



Mercedes-Benz

COMAND

Operator's Manual

Welcome to COMAND!

Please make yourself familiar with your COMAND control unit and read the instructions in this manual before operating the COMAND system. This will help you derive a greater benefit from the system. Please also follow the instructions and warnings contained in this manual. Ignoring them could result in damage to the vehicle or personal injury to you or others.

Depending on model, version and configuration, your COMAND system equipment may differ. Therefore, you may find explanations for optional equipment not installed in your vehicle. If you have any questions about the operation of any equipment, your authorized Mercedes-Benz Center will be glad to demonstrate the proper procedures.

We continuously strive to improve our product and ask for your understanding that we reserve the right to make changes in design and equipment. Therefore, information, illustrations and descriptions in this manual might differ from the equipment installed in your vehicle. As such, the information, illustrations and descriptions contained in this manual may not be reasonably relied upon in making any claims with respect to the actual performance of the product.

These operating instructions form an integral part of the vehicle and should therefore always be kept inside the vehicle and passed on to the new owner if the vehicle is sold.

We extend our best wishes for many miles of safe, pleasurable driving.

Mercedes-Benz USA, LLC

A Daimler Company

Introduction.....	15
At a Glance.....	19
System Settings.....	37
Navigation.....	47
Telephone.....	95
Audio.....	117
Video.....	153
Rear Seat Entertainment.....	163
Voice Control.....	183
Tele Aid.....	213

1, 2, 3 ...

911 emergency call system..... 100, 214**A****Accepting incoming calls**..... 27, 107**Active partitions in USB devices**..... 150**Address book**

adding destinations to..... 93

creating new entries..... 110

deleting entries from..... 103, 112

dialing numbers from..... 114

downloading contents..... 115

editing entries..... 113

General information..... 109

Home address..... 90

navigating to destinations in..... 114

Opening..... 109

saving call list entries in..... 105

searching..... 111

voice control with

..... 114, 195, 206, 210

see My address (destination)

Address of destination (See also**Destinations)**

entering with voice commands..... 191

home address..... 69

stopover destinations..... 71

Alphabetical track selection..... 150**Alternative Route function**..... 85**Announcement phase (driving****maneuvers)**..... 81**Announcements, navigation**

see Navigation announcements

Announcements, traffic (real-time)... 90**Answering incoming calls**..... 27, 107**Audio**..... 118, 172

announcements..... 84

CD, DVD, and MP3..... 130

loudness..... 32

media interface..... 145

phone volume..... 99

read-out..... 32

rear seat entertainment system..... 169

sound settings..... 32

steering wheel operation..... 25

surround sound..... 33

turning off..... 32

voice control..... 184

wireless headsets..... 167

see Muting audio

see Navigation announcements

see Read-aloud announcements

see Volume

Audio Aux (auxiliary)

main system..... 151

voice commands for..... 203

Audio DVD

Pause function..... 138

Audio DVD discs

Notes about..... 131

Audio format

audio playback..... 141

DVD video..... 160

rear seat entertainment system..... 174

Audio menu..... 25, 118**Authorizing Bluetooth devices**..... 44, 97**Automatic (display)**

main display..... 40

rear seat entertainment system..... 170

Automatic picture switch-off..... 154**Auxiliary (Aux)**

operation main audio..... 151

Auxiliary (Aux) operation

main video..... 161

rear seat entertainment system

..... 166, 169, 180

voice commands for..... 203

voice control with..... 209

Avoid settings for route guidance..... 57**B****Backward track skip**..... 139**Balance (sound), setting**..... 33**Bass setting**

main system..... 32

rear seat entertainment system..... 169

Batteries for rear seat**entertainment**..... 167**Bird's eye view**..... 55**Bit rates for digital audio**..... 131**Blocked areas for route guidance**..... 57**Blocking routes**..... 85

- Bluetooth®**..... 43
 - activating phone..... 97
 - Device de-authorizing..... 45
 - Displaying details..... 44
 - downloading address book content..... 115
 - External authorization..... 45, 98
 - List of devices..... 43
 - making calls..... 96
 - Switching On/Off..... 43
 - Brightness setting**
 - DVD video..... 158
 - main function display..... 40
 - rear seat entertainment system 171, 177, 181
 - Browsing lists**
 - see Predictive speller
 - see Searching
- C**
- Calculating routes**
 - see Route guidance
 - Calling**..... 107
 - Calling (See also Telephone)**
 - dialing with keypad..... 107
 - emergency calls..... 100, 214
 - history of calls..... 104
 - redialing..... 27, 108
 - using address book entries..... 114
 - using phone book entries 27, 101, 108
 - voice control with..... 187, 197
 - see Call lists
 - Call lists**..... 104
 - calling number in..... 108
 - deleting..... 106
 - saving entries in address book..... 105
 - Selecting..... 104
 - Call waiting function**..... 109
 - Camera, rear view**..... 42
 - Camera angle, DVD video**..... 160, 179
 - Canceling entry into COMAND**..... 30
 - Categories**
 - iPods, MP3 players, and USB devices..... 148
 - points of interest (POIs)..... 74
 - satellite radio..... 127, 200
 - stopover destinations..... 71
 - CD/DVD discs**
 - Loading..... 132
 - Notes about..... 132
 - CD/DVD drive, rear seat entertainment**..... 166
 - multiuser operation and..... 169
 - CD audio, main vehicle**..... 130
 - ejecting discs..... 134
 - fast forward and reverse..... 139
 - Gracenote® Media Database..... 140
 - handling and care of discs..... 132
 - loading discs..... 132
 - starting playback..... 136
 - stopping or pausing playback..... 138
 - voice control with..... 202, 208
 - CD audio, rear seat entertainment**..... 166, 169
 - CD mode**
 - Selecting a track..... 139
 - Channel selection (satellite radio)**..... 25
 - voice commands for..... 201
 - Chapter selection (DVD)**
 - main video..... 158
 - rear seat entertainment system..... 177
 - Character entry**..... 29
 - City center, selecting as destination**..... 66, 192
 - City of destination, selecting**..... 62
 - Color video settings**
 - main video..... 158
 - rear seat entertainment system 177, 181
 - COMAND**
 - Phone book..... 101
 - COMAND, about**..... 20
 - basic functions..... 31
 - operation of..... 28
 - resetting to factory settings..... 45
 - switching on/off..... 31
 - Commands for voice control**..... 203
 - for address book..... 196, 206
 - for CD, DVD, MP3..... 202, 208
 - for navigation..... 190, 205
 - for phone operation..... 187, 204

- for radio and satellite radio..... 199, 207
 - general commands..... 203
 - Compass display**..... 61
 - Contacts**
 - see Address book
 - Contrast setting**
 - main video..... 158
 - rear seat entertainment system
..... 177, 181
 - Control System**..... 20
 - Copying music files into Music Register**..... 142
 - Copyright, audio**..... 131
 - Crosshair position in map**..... 54
 - saving in Last Destinations..... 94
 - Current location of vehicle**
 - see Vehicle location (current)
 - Current street, displaying**..... 59
 - Customer Assistance Center, calling**..... 215
- D**
- Data for navigation**
 - see Updating map software
 - Date/time format**..... 39
 - Daylight Savings Time**..... 39
 - Day mode (display)**
 - main display..... 40
 - rear seat entertainment system..... 170
 - Deregistering Bluetooth devices**..... 45
 - Destination**
 - input from map..... 70
 - Destination input**..... 61
 - Entering a city..... 62
 - Entering a house number..... 66
 - from destination memory..... 69
 - from Last Destinations..... 70
 - Selecting a state/province..... 62
 - speed restriction on..... 52, 70
 - Stopover..... 71
 - Via address..... 61
 - Destination memory (See also Last Destinations)**..... 69, 90
 - adding stopover destination..... 71
 - choosing destination from..... 69
 - home address in..... 90
 - saving destinations to..... 92, 194
 - voice control for..... 194
 - Destination reached message**..... 83
 - Destinations**
 - adding to address book..... 93
 - displaying information about..... 86
 - distance to, displaying..... 59
 - guidance to..... 80
 - moving map to..... 55
 - saving to destination memory
..... 92, 194
 - Search & Send service..... 215
 - selecting point of interest..... 73
 - stopover destinations..... 71
 - voice control with..... 191
 - see Route guidance
 - Detour function**..... 85
 - Dialed calls, list of**..... 104
 - Dialing telephone**
 - see Calling
 - Dialog**
 - see Voice control
 - Disc handling**..... 48, 132, 154
 - Disk drive for rear seat entertainment system**..... 166
 - multiuser operation and..... 169
 - Display, main**..... 22
 - automatic DVD picture switch-off... 154
 - brightness setting..... 40
 - menus..... 25, 28
 - rear view camera..... 42
 - settings for..... 40
 - switching on/off..... 39
 - with voice command..... 186
 - Display, map**
 - see Map display
 - Display screens, rear seat entertainment**..... 165
 - hiding or showing menus..... 176
 - multiuser operation..... 169
 - selecting for headset..... 167
 - selecting for remote..... 166
 - Distance to destination, displaying**... 59
 - District, selecting as destination**..... 66
 - with voice commands..... 192
 - Downloading address book content**. 115
 - Driving-direction map orientation**..... 55

- Driving maneuvers**..... 80
 - DRM (Digital Rights Management)**... 145
 - DTMF tone transmission**..... 108
 - DVD audio, main vehicle**..... 130
 - ejecting discs..... 134
 - fast forward and reverse..... 139
 - handling and care of discs..... 48, 132
 - loading discs..... 132
 - setting audio format..... 141
 - starting playback..... 136
 - stopping or pausing playback..... 138
 - voice control with..... 202, 209
 - DVD audio, rear seat entertainment**..... 166, 169
 - DVD changer**
 - Loading..... 49
 - DVD menu operation**..... 158, 178
 - DVD mode**
 - Selecting a track..... 139
 - DVD video**..... 154
 - control menu, displaying/hiding.... 156
 - handling and care of discs..... 154
 - operating DVD menu..... 158, 178
 - rear seat entertainment system..... 175
 - voice control with..... 203, 209
 - DVD Video**
 - Automatic picture switch-off..... 154
 - DVD menu..... 158
 - Fast forward/rewind..... 157
 - Functional restrictions..... 155
 - interactive content..... 160
 - Menu system..... 157
 - Notes on media..... 154
 - picture settings..... 158
 - Safety notes..... 154
 - Selecting film/track..... 158
 - Selecting media..... 157
 - Stop function..... 157
 - Submenu overview..... 156
 - Switching to..... 156
- E**
- Ejecting discs, rear seat entertainment system**..... 172
 - Ejecting discs and memory cards**
 - main audio system..... 134
 - Emergency phone calls**..... 100, 214
 - Ending active phone calls**..... 109
 - Ending calls**..... 27
 - External audio or video devices**
 - main system..... 145, 151
 - rear seat entertainment system..... 180
 - voice control with..... 203
- F**
- Fader (sound), setting**..... 33
 - Fast forward**
 - audio playback..... 139, 148
 - rear seat entertainment system
 - 173, 176
 - video playback..... 157
 - Film selection, DVD**..... 158, 177
 - Folders**
 - iPods, MP3 players, and USB devices..... 148
 - MP3 mode, selecting..... 140
 - Music Register..... 143, 144
 - rear seat MP3 operation..... 173
 - Formats, audio**..... 131
 - Forward track skip**..... 139
 - Full-screen map**..... 54
- G**
- Geo-coordinates, displaying**..... 59
 - Global voice control commands**..... 185
 - Google Maps®**..... 215
 - GPS reception**..... 51
 - displaying geo-coordinates..... 59
 - Gracenote®**
 - Media database..... 140
 - GSM network coverage**..... 96
- H**
- Hands-free microphone, switching on/off**..... 108
 - Hanging up (phone calls)**..... 109
 - Hard disk drive**..... 51
 - voice control with..... 209
 - HD Radio™**..... 122
 - Headsets, rear seat entertainment**
 - 167, 168
 - Help with voice control, general**..... 212
 - Highway information, displaying**..... 60

- Highway junctions, selecting as destination**..... 67
- Home address in destination memory**..... 69, 90
 - deleting..... 93
 - setting or changing..... 90
- House numbers, entering for destination**..... 66, 193

I

- Incident (traffic notification)**..... 87
- Incoming calls**
 - answering..... 27, 107
 - rejecting..... 27, 107
- Individualization of voice control**..... 41
- Information calls**..... 215
- Initiating phone calls**
 - see Calling
- Input of navigation destination**..... 61
 - speed restriction on..... 52, 70
- Inserting disk, rear seat entertainment**..... 171
- Installing map data**..... 49
- Interactive content on DVDs**..... 160, 179
- Interrupting audio playback**..... 138
- Interrupting video playback**..... 157
- iPod devices**..... 145
 - connecting to..... 145
 - playback options..... 148
 - playlists and folders..... 148
 - selecting tracks..... 147

K

- Keypad, entering characters with**..... 29

L

- Lane recommendations**..... 82
- Language settings**..... 40
 - DVD video..... 160, 179
 - for predictive speller..... 106
 - rear seat entertainment system..... 170
- Last Destinations** 94
 - adding stopover destination..... 71
 - adding to memory..... 92
 - choosing destination from..... 70
 - deleting destination from..... 94

- saving current vehicle position
 - 54, 94
 - voice control for..... 194
- Lever for voice control**..... 185
- Listing address book contents**..... 197
- Loading CDs and DVDs**
 - main system..... 132
 - rear seat entertainment system..... 171
- Loading SD memory cards**..... 134
- Local voice control commands**..... 185

Location of vehicle, current

see Vehicle location (current)

LOGIC7® Surround Sound system..... 33**Loudness**

see Volume

M

- Magazine compartments, DVD changer**..... 132
- Main function display**
 - see Display, main
- Main function menus**
 - list of..... 22
 - navigation mode, switching to..... 53
 - opening..... 28
- Main menu, overview of**..... 23
- Maneuver phase (driving maneuvers)**..... 81
- Map display**
 - blocked areas for route guidance..... 57
 - general information, at bottom edge..... 59
 - hiding crosshairs..... 55
 - selecting points of interest (POIs)..... 56
- Map Display**..... 55
- Map display (See also Navigation)**..... 55
 - destination information..... 86
 - driving maneuver preparation..... 80
 - entering destination on..... 70
 - entering POI from..... 78
 - setting scale..... 54
 - traffic lane recommendations..... 82
 - traffic notifications in..... 87
 - updating map software..... 48
- Measurement units, navigation**..... 52
- Media interface**..... 145
 - Connecting devices..... 146

- Data formats..... 145
 - Selecting category/playlist/folder. 148
 - Selecting files..... 147
 - Switching to..... 146
 - Memory cards**
 - ejecting..... 135
 - loading..... 134
 - starting playback..... 136
 - voice control with..... 203, 209
 - Memory information, Music**
 - Registry**..... 144
 - Menus, COMAND**
 - how to operate..... 28
 - language settings..... 40
 - list of..... 23
 - Menus, steering wheel**..... 25
 - Messages**
 - during voice command..... 186
 - for driving maneuvers..... 80
 - for traffic line recommendations..... 82
 - language for..... 40
 - real-time traffic reports..... 89
 - see Language settings
 - Missed calls, list of**..... 104
 - Missed navigation**
 - announcements, requesting**..... 84
 - Mobile telephone**
 - see Telephone
 - MP3 mode**
 - Selecting a track..... 139
 - MP3 mode, main vehicle**..... 130
 - fast forward and reverse..... 139
 - Music Register..... 142
 - selecting folders..... 140
 - starting playback..... 136
 - stopping or pausing playback..... 138
 - voice control with..... 202, 208
 - MP3 operation, rear seat**
 - entertainment**..... 172
 - general operation..... 172
 - MP3 players**..... 145
 - playback options..... 148
 - playlists and folders..... 148
 - selecting active partition..... 150
 - selecting tracks..... 147
 - MP3 storage medium**..... 130
 - Multifunction steering wheel**..... 24
 - voice control button..... 185
 - Multisession CDs**..... 130
 - Music register**
 - Deleting..... 144
 - Folder functions..... 144
 - Switching on..... 142
 - Music Register**..... 142
 - Muting audio**
 - main system..... 32
 - navigation announcements..... 32, 84
 - rear seat entertainment system..... 166
 - My address (destination)**..... 69, 90
 - deleting from destination memory.... 93
 - setting or changing..... 90
- N
- Names**
 - for MP3 files and folders..... 130
 - for saved destinations..... 92
 - Music Register folders..... 144
 - searching for POIs by..... 73
 - Navigation**
 - Basic settings..... 55
 - Displaying/hiding menu system..... 54
 - Entering a destination..... 61
 - General information..... 50
 - Last destinations..... 94
 - Map display..... 55
 - Menu Overview..... 52
 - POI input..... 73
 - Route guidance..... 80
 - Scrolling the map..... 54
 - Setting map scale..... 54
 - Navigation (See also Route**
 - guidance)**..... 48
 - destination input..... 61
 - destination memory..... 90
 - language setting..... 40
 - operational readiness..... 50
 - POI input..... 73
 - steering wheel operation..... 26
 - switching to navigation mode..... 53
 - to address book destinations..... 114
 - traffic messages..... 87
 - updating map software..... 48
 - voice control with..... 189, 205

Navigation announcements

- 81, 84, 184
- during active phone calls..... 84
- switching on/off..... 32, 84
- volume of..... 32

NAVI menu..... 26, 52

Near destination, entering POI..... 73

Network coverage for phone calls..... 96

Night mode (display)

- main display..... 40

Normal track sequence..... 141, 145, 150

- rear seat entertainment system..... 175

Northward map orientation..... 55

Number keypad

- entering characters with..... 29

Numbers, entering with voice

command..... 186

Numbers for audio tracks..... 148

O

Off-map routes..... 83

Off-road routes..... 58, 83

Operating safety..... 17

Orientation of map..... 55

Outgoing calls

- see Calling

P

Partitions in USB devices..... 150

Passcodes for Bluetooth phones..... 98

Pausing playback

- main audio..... 138
- main video..... 158
- rear seat entertainment system
..... 174, 176

Personal POI symbols..... 56

Phone

- Call lists..... 104
- Submenu..... 100
- Switching to phone mode..... 100
- see Telephone

Phone book..... 101

- adding entries..... 102
- Adding phone number to an entry. . 103
- Call to an entry..... 102
- Creating new entry..... 102

deleting from..... 103

dialing from..... 27, 102, 108

editing entries..... 103

Selecting entry..... 101

voice control with..... 189

Phone calls

emergency..... 100, 214

lists of..... 104

making..... 107

see Calling

Phone menu..... 100

Phone number search for POIs..... 73

Picture format

main video..... 158

rear seat entertainment system
..... 178, 181

Picture settings for video

main system..... 158

rear seat entertainment system
..... 177, 181

Playback options

iPods, MP3 players, and USB

devices..... 150

Music Register..... 145

rear seat entertainment system..... 175

track sequence..... 141

Playing audio

fast forward and reverse..... 139, 148

for rear seat entertainment..... 169

for rear seat entertainment

system..... 171

headsets..... 167

iPods and MP3 players..... 145

Music Register..... 142

muting..... 32

options for playback..... 141

selecting track..... 139

see Muting audio

see Selecting audio track

POI input

Choosing a category..... 74

Local area of destination..... 73

Vicinity of location..... 73

Vicinity of specific location..... 73

Points of interest (POIs)

adding stopover destination..... 71

selecting as destination..... 73

selecting which are displayed..... 56

- stopover destinations..... 71
 - voice control for..... 193
 - ZAGAT® Rating Service..... 77
 - Possible lane, defined**..... 82
 - Predictive speller**..... 29
 - city list..... 62
 - destination memory list..... 69
 - for points of interest (POIs)..... 74, 77
 - house number list..... 66
 - settings for address book entry
..... 106
 - street junction list..... 67
 - street list..... 65
 - zip code list..... 64
 - Preparation phase (driving maneuvers)**..... 80
 - Province of destination, selecting**
..... 62, 191
- R**
- Radio**
 - HD Radio™..... 122
 - selecting stations..... 200
 - voice control with..... 199, 207, 212
 - Radio (See also Satellite radio)**..... 119
 - Random track playback**... 141, 145, 150
 - rear seat entertainment system..... 175
 - Read-aloud announcements**
 - navigation..... 84
 - settings for..... 41
 - see Navigation announcements
 - Read CD Database function**..... 140
 - Real-time traffic notifications**..... 87
 - Rear audio option**..... 118
 - Rear seat entertainment system**..... 164
 - audio operation..... 171
 - Aux operation..... 180
 - basic functions..... 169
 - system settings..... 170
 - video operation..... 175
 - Rear view camera, switching on/off**..... 42
 - Received calls, list of**..... 104
 - Receive volume (phone)**..... 99
 - Recommended lane, defined**..... 82
 - Redialing telephone**..... 27, 108
 - voice control for..... 189
 - Registering mobile phones**..... 97
 - Rejecting incoming calls**..... 27, 107
 - Remote control, rear seat entertainment**..... 165
 - batteries for..... 168
 - Removing discs and memory cards**..... 134
 - Rewind (reverse)**
 - main audio playback..... 139, 148
 - rear seat entertainment system..... 173
 - video playback..... 157, 176
 - Roadside assistance**..... 214
 - Route browser**..... 86
 - Route calculation**..... 68
 - Alternative Route function..... 85
 - Detour function (blocking routes).... 85
 - history of, saving..... 94
 - points of interest (POIs)..... 77, 78
 - with home address..... 91
 - see Last Destinations
 - Route guidance**..... 57, 80
 - after vehicle transport..... 51
 - blocked areas..... 57
 - canceling or resuming..... 85
 - Detour function..... 85
 - detours and alternative routes..... 85
 - Driving maneuver..... 80
 - driving maneuvers..... 80
 - navigation announcements
..... 32, 81, 84, 184
 - off-map routes..... 83
 - off-road routes..... 58, 83
 - Route browser..... 86
 - saving calculations for..... 94
 - stopover destinations..... 71
 - traffic lane recommendations..... 82
 - traffic messages..... 87
 - voice control for..... 194
 - with home address..... 91
 - see Last Destinations
- S**
- Satellite radio**..... 125
 - category selection..... 127, 200
 - selecting channels..... 26, 201
 - voice control with..... 199, 208, 212
 - Saving music files in Music Register**..... 142

- Saving route calculations**
 - see Last Destinations
 - Scale of navigation map, setting**..... 54
 - Scene selection**
 - main system..... 158
 - rear seat entertainment system..... 177
 - Scrolling navigation map**..... 54
 - SD memory card**
 - ejecting..... 135
 - SD memory cards**
 - ejecting..... 135
 - loading..... 134
 - starting playback..... 136
 - Search & Send**..... 215
 - Search & Send service**..... 215
 - Searching (See also Predictive speller)**
 - address book..... 198
 - audio tracks..... 139
 - for Bluetooth devices..... 43
 - for mobile phones..... 97
 - phone book..... 27
 - points of interest (POIs)..... 74
 - see Track selection (audio)
 - Selecting audio track**
 - CD, DVD, or MP3..... 139
 - copying into Music Register..... 143
 - iPods and MP3 players..... 147, 150
 - normal and random options..... 141
 - rear seat entertainment system..... 173
 - steering wheel operation..... 26
 - voice commands for..... 203
 - Selecting from lists**..... 30
 - Settings for COMAND system**..... 38
 - resetting to factory settings..... 45
 - Skipping to tracks**
 - see Track selection (audio)
 - Sound**
 - see Audio
 - Speed restriction on destination input**..... 52, 70
 - Speed restriction on video display**... 154
 - Speller**..... 29
 - city list..... 62
 - destination memory list..... 69
 - for points of interest (POIs)..... 74, 77
 - house number list..... 66
 - street junction list..... 67
 - street list..... 65
 - zip code list..... 64
 - Spelling with voice command**..... 186
 - Standard POI symbols**..... 56
 - Standard Time**..... 39
 - State of destination, selecting**... 62, 191
 - Station selection (radio)**
 - voice commands for..... 200
 - Steering wheel**..... 24, 185
 - Stopover destinations**..... 71
 - deleting..... 73
 - Stopping playback**
 - main audio..... 138
 - main video..... 157
 - rear seat entertainment system
 - 174, 176
 - Storage media handling**..... 48, 132, 154
 - Street junctions, selecting as destination**..... 67
 - Street of destination, selecting**
 - 65, 192
 - Subtitles for DVD video**..... 160, 179
 - Surround sound**..... 33
 - Symbols in this book**..... 17
 - System language**..... 40
 - for predictive speller..... 106
 - System Settings menu**..... 38
 - reset to factory settings..... 45
- T
- Tele Aid**..... 214
 - Telephone**
 - Activating mobile phone..... 97
 - Bluetooth interface..... 97
 - Functional restrictions..... 97
 - General information..... 96
 - Operating options..... 96
 - Prerequisites..... 97
 - Setting transmit and receive volume..... 99
 - Telephone (See also Calling)**
 - activating..... 97
 - address book..... 109
 - call lists..... 104
 - call waiting function..... 109
 - incoming calls..... 27, 107
 - loudness of calls..... 32

making calls.....	107
navigation announcements during calls.....	84
phone book.....	101
safety and general information.....	96
steering wheel operation.....	26
Tele Aid.....	214
voice control with.....	187, 204

Telephone book

see Phone book

Telephone calls

emergency.....	100, 214
lists of.....	104
making.....	107
see Calling	

Tel menu	26
-----------------------	----

Terminating phone calls	109
--------------------------------------	-----

Time of arrival, displaying	59
--	----

Time settings	39
----------------------------	----

Time zone, setting	39
---------------------------------	----

Town, selecting as destination	191
---	-----

Track names	130
--------------------------	-----

Track selection (audio)

CD, DVD, or MP3.....	139
copying into Music Register.....	143
iPods and MP3 players.....	147, 150
normal and random options.....	141
rear seat entertainment system.....	173
steering wheel operation.....	26
voice commands for.....	203

Track selection (video)	158, 159, 177
--------------------------------------	---------------

voice commands for.....	203
-------------------------	-----

Traffic lane recommendations	82
---	----

Traffic messages	87
-------------------------------	----

Training for voice control	41
---	----

Transmit volume (phone)	99
--------------------------------------	----

Treble setting

main system.....	32
rear seat entertainment system.....	169

Troubleshooting

voice control.....	210
--------------------	-----

U

UCI connection	145
-----------------------------	-----

Units of measurement, navigation	52
---	----

Updating Gracenote® Media

Database	141
-----------------------	-----

Updating map software	48
------------------------------------	----

USB devices

connecting to.....	146
playback options.....	150
playlists and folders.....	148
selecting active partition.....	150
selecting tracks.....	147, 150

V

Vehicle location (current)

compass display.....	61
displaying.....	59
GPS reception.....	51
moving map to.....	55
saving in Last Destinations.....	54, 94

Video	154
--------------------	-----

control menu, displaying/hiding....	156
handling and care of discs.....	154
interactive content.....	160
operating DVD menu.....	158, 178
picture settings.....	158
rear seat entertainment system.....	175
voice control with.....	209

Video Aux (auxiliary)

main system.....	161
rear seat entertainment system.....	166

Voice control	184
----------------------------	-----

creating voice tags.....	196
general operation.....	184
language settings.....	40
training for voice recognition.....	41
with address book.....	114, 195, 210
with DVD changer.....	202
with external equipment (Aux).....	203
with navigation.....	189
with phone.....	187
with radio and satellite radio. .	199, 212

Voice Control

Canceling the dialog.....	186
command list.....	203
Help function.....	212
Interrupting the dialog.....	186
Operating safety.....	184
settings.....	41
Starting the dialog.....	186
Switching help screen on or/off.....	41
troubleshooting.....	210

Voice mail, voice control for	189
Voice tags, creating	196
Volume (loudness)	
COMAND.....	32
external audio sources.....	151, 161
mobile phones.....	99
muting COMAND.....	32
navigation announcements.....	32, 84
phone calls.....	32
voice command.....	186
wireless headsets.....	167

W

Wireless headsets, rear seat entertainment	167
basic operation.....	169
batteries for.....	168
muting audio playback.....	167
WMA files in Music Register	142

Y

Yahoo Local Maps [®]	215
--	-----

Z

ZAGAT [®] Rating Service.....	77
Zip code of destination, selecting	64

Where to find it	16
Symbols	17
Operating Safety	17

Where to find it

This operating guide has been designed to help you use your COMAND control unit in all situations. Each chapter has its own color code in order to make it easier to find information. Since not all models have the same standard equipment, your COMAND system equipment may deviate from some descriptions and illustrations.

At a Glance

Here you will find an overview of the components of COMAND. Then you will find examples illustrating how to operate COMAND and information on the basic functions. If you are operating a COMAND for the first time or have rented the vehicle, you should first read this chapter.

System Settings

Here you will find all the important information regarding the system settings of the COMAND.

Navigation

Here you will find detailed information regarding the following topics:

- Setting options for the map display and the route calculation
- Destination input
- POI input
- Route guidance
- Destination memory

Telephone

The telephone functions are described here. You will also find information on the address book.

Audio

Here you will find all information regarding the audio function and its Radio, HD Radio, SatRadio, CD-audio/DVD audio/MP3, Music Register, Media Interface and Audio Aux modes.

Video

Here you will find all information regarding the video system.

Rear Seat Entertainment (RSE)

In this chapter the Rear Seat Entertainment is explained.

Voice Control

Here you will find information about operating several COMAND functions via Voice Control.

Tele Aid

Here you will find information on how to use Tele Aid and the Search & Send function.

Indexes


Content and keyword indexes are intended to help you find information quickly.


Symbols


You will find the following symbols in these operating instructions:


Warning!


Warning notices draw your attention to hazards that may endanger your health or life, or the health or life of others.

 Highlights hazards that may result in damage to your COMAND.

 Helpful hints or further information you may find useful.

 This symbol points to instructions for you to follow. A number of these symbols appearing in succession indicates a multiple-step procedure.

 The continuation symbol marks an interrupted procedure which will be continued on the next page.

 (page 11) This symbol tells you where to look for further information on this subject.

Display Messages, menu items or soft key names appearing in the COMAND color display are printed in the style shown here.

Operating Safety

Warning

Any alterations of electronic components or software can cause malfunctions.

Radio, satellite radio, amplifier, DVD changer, navigation module, telephone and Voice Control systems are interconnected.

Therefore, if one of the components is not operational, or has not been removed/

replaced properly, the function of other components could be impaired.

Such conditions might seriously impair the operating safety of your vehicle.

We recommend to have any service work on electronic components carried out by an authorized Mercedes-Benz Center.

Warning

In order to avoid distraction which could lead to an accident, the driver should enter system settings while the vehicle is at a standstill, and operate the system only when permitted by road, weather and traffic conditions.

Bear in mind that at a speed of just 30 mph (approximately 50 km/h), your car covers a distance of 44 feet (approximately 14 m) every second.

COMAND supplies you with information to help you select your route more easily and guide you conveniently and safely to your destination. For safety reasons, we encourage the driver to stop the vehicle in a safe place before answering or placing a call, or consulting the COMAND screen to read navigational maps, instructions, or downloaded information.

Warning

While the navigation system provides directional assistance, the driver must remain focused on safe driving behavior, especially attention to traffic and street signs, and should utilize the system's audio cues while driving.

The navigation system does not supply any information on stop signs, yield signs, traffic regulations or traffic safety rules. Their observance always remains in the driver's personal responsibility. DVD maps do not cover all areas nor all routes within an area.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Warning

Change or modification not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

- !** Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Warning

This equipment complies with FCC radiation exposure limits set forth for uncontrolled equipment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65.

This equipment has very low levels of RF energy that is deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated with at least 8 inches (20 cm) and more between the radiator and person's body (excluding extremities: hands, wrists feet and legs.)

Declaration of Conformity Regarding the Distribution of Telecommunications Equipment

Daimler AG declares herewith that this device conforms to the basic requirements and the other relevant regulations of Directive 1999/5/EC (RTTE Directive).

Intended Purpose

Please bear the following information in mind when using the COMAND:

- The safety instructions in this guide
 - Road Traffic Regulations
- i** Tampering with electronic components or systems (e.g. radio, DVD changer) and their software may result in malfunctioning. Systems which have not been changed may be affected due to the connectivity of the electronics. Malfunctions of the electronics can seriously endanger the operational safety of your vehicle.

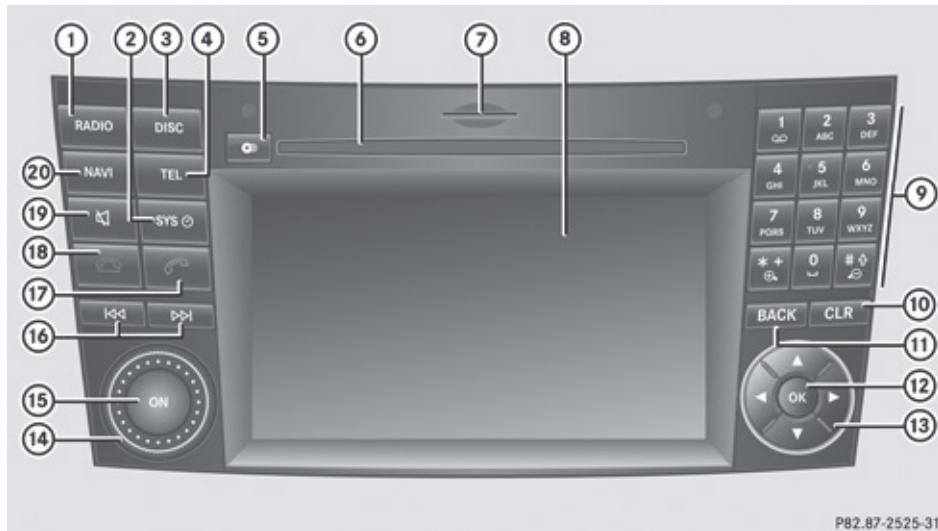
- i** Always have all work or modifications to electronic components carried out by a qualified specialist workshop with the necessary expertise and tools for any work required. Daimler AG recommends a Mercedes-Benz service center for this purpose. Especially for safety-related operations and operations on safety-related systems, servicing by a qualified specialist workshop is essential.

Function Restrictions When Driving the Vehicle

For safety reasons, some COMAND functions are restricted or not available when the vehicle is moving. This can be recognized, for example, from the fact that certain menu items cannot be selected or the COMAND displays a corresponding message.

COMAND Control System	20
Multifunction Steering Wheel	24
Operating COMAND	28
Basic Functions of COMAND	31








COMAND Control System









PB2.87-2525-31

	Function	Page
①	RADIO Switch to radio mode Switch wavebands	119 120
②	SYS Switch to system menu	38
③	DISC Switch to CD audio/DVD audio and MP3 operation Switch to video DVD mode	136
④	TEL Switch to phone main menu or address book	100
⑤	Load/Eject button	132, 134
⑥	Disc slot Loading CDs/DVDs Ejecting CDs/DVDs Update the map software	132 134 49

	Function	Page
⑦	SD memory card slot Loading SD memory card Ejecting SD memory card	134 135
⑧	COMAND display	
⑨	Number keypad Select stations via the station preset Store stations manually Enter the Bluetooth passkey Enter the phone number Send DTMF tones *+ # Set map scale (enlarge) # # Set map scale (reduce)	121 121 97 107 108 54 54

	Function	Page
⑩	 Press briefly: Delete individual characters Press and hold: Erase an entire entry	
⑪	 Press briefly: Leave the menu and switch to the next menu level up Press and hold: Switch to the basic display of the current operating mode	
⑫	 Press briefly: Confirm a selection Store the setting Hide or show the menu system Press and hold: Accepts a list entry	32 54
⑬	 /  /  /  Select a station Select a track Select menu items or list entries Exit menus or lists Scroll the map	120 139 54

	Function	Page
⑭	Set the volume	32
⑮	Switch COMAND on or off	31
⑯	 /  Select stations Select the next/previous track Fast rewind/forward	120 139 139
⑰	 Accept a call Redial	107 108
⑱	 Reject a call End an active call	107 109
⑲	 Switch the sound on and off Switch off navigation announcements	32 32
⑳	 Switch to navigation mode	53

Vehicle Equipment

i This Operator's manual describes all features, standard or optional, potentially available for your vehicle at the time of purchase. Please be aware that your vehicle might not be equipped with all features described in this manual.

Function Overview

With COMAND you can operate the following main functions:

- the navigation system
- the audio function with the radio, HD Radio™, SatRadio, disc (CD audio, DVD audio or MP3 mode), SD memory card (MP3 mode), Music Register and Audio Aux modes

- the telephone and the address book function
- DVD video
- systems settings

You can call up the main functions:

- using the hard keys **NAVI**, **RADIO**, **TEL**, **DISC** or **SYS**.
- using the main function line in the COMAND display

COMAND Display

The COMAND display shows the function currently selected and its associated menus. The COMAND display is divided into several areas.

The radio display is shown in the example.



Example: Audio main function display

- ① Status line
- ② Main function line
- ③ Main area
- ④ Submenu line

Status line ① displays the time and the current telephone status.

With the main function line ② you can select the main function. The selection is made using the **▶** and **◀** buttons.

In the example, the audio main function is set to radio mode and the main area ③ is active.

- i** The arrangement of the menus can vary, depending on the equipment. Normally, the

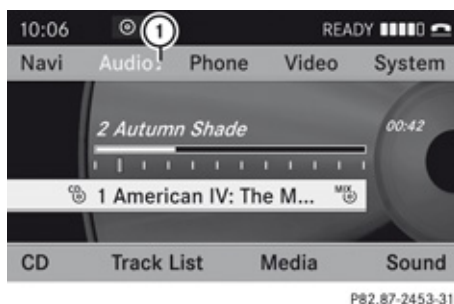
menus for the full equipment version are shown in this guide.

Menu Overview

Having selected a main function, you will find the submenu line at the bottom edge of the COMAND display.

If one of the main functions such as Navigation, Audio, Video or Phone is currently selected, additional menus are available from the main function line (▶ page 23).

This is indicated by a small triangle behind the main function label.



- ① Triangle indicating an additional menu

Main Function Menu Items

Navi	Audio	Phone	Video
Map Display	FM/AM Radio	Telephone	DVD Video
Mode	SatRadio	Address book	Video Aux
Block Area	Disc (CD audio , DVD audio, MP3 mode, Media Interface)		
Save Off-road Route	Memory card (MP3 mode)		
Information On Map	Music Register		
<input checked="" type="checkbox"/> Highway information	Media Interface		
	Aux		

Multifunction Steering Wheel

Warning!

A driver's attention to the road and traffic conditions must always be his/her primary focus when driving.

For your safety and the safety of others, selecting features through the multifunction steering wheel should only be done by the driver when traffic and road conditions permit it to be done safely.

Bear in mind that at a speed of just 30 mph (approximately 50 km/h), your vehicle is covering a distance of 44 feet (approximately 14 m) every second.



	Function
①	Multifunction display
②	Selecting the submenu or setting the volume: Press button up/to increase down/to decrease
③	Telephone: Press button to take a call, to dial, to redial to end a call, to reject an incoming call



	Function
④	Menu systems: Press button for next menu for previous menu
⑤	Press button briefly Within Audio/DVD menu to select previous or next track, scene or stored station. Within Telephone menu to switch to the phone book and select a name or number. Press and hold Button Selecting a menu Within Audio/DVD menu to select previous or next track with quick search or to select previous or next station in station list or wave band. Within Telephone menu to start the quick search in the phone book.



Depending on the selected menu, pressing the buttons on the multifunction steering wheel will alter what appears in the multifunction display.

The information available in the multifunction display is arranged in menus, each containing a number of functions or submenus.

The individual functions are found within the relevant menu (Radio or CD operations under AUDIO, for example). These functions serve to call up relevant information.

It is helpful to think of the menus, and the functions within each menu, as being arranged in a circular pattern.

If you press button  or  repeatedly, you will pass through each menu one after the other.

If you press button  or  repeatedly, you will pass through each function display, one after the other, in the current menu.

The number of menus available in the system depends on which optional equipment is installed in your vehicle.

The menus are described on the following pages.

Multifunction Display Menus

Menus	Functions and Submenus
Audio (▷ page 25)	<ul style="list-style-type: none"> • Selecting radio stations • Selecting satellite radio stations • Operating the DVD changer/Music register/Memory card/Media interface
Navi (▷ page 26)	Display <ul style="list-style-type: none"> • Route guidance instructions • Current street name and direction of travel
Tel (▷ page 26)	<ul style="list-style-type: none"> • Answering a call • Ending and rejecting a call • Selecting a phone book entry • Redialing

i The headings used in the menus table are designed to facilitate navigation within the system and are not necessarily identical to those shown in the control system displays. The first function displayed in each menu will automatically show you which part of the system you are in.







AUDIO Menu

The functions in the AUDIO menu operate the audio equipment which you currently have turned on.

If no audio equipment is currently turned on, the message AUDIO OFF appears in the multifunction display.

The following functions are available:







Selecting Radio Stations

- ▶ From COMAND select FM/AM Radio in the Audio menu.
- ▶ Press button  or  repeatedly until you see the currently tuned station in the multifunction display.
- ▶ **Select next or previous stored station:** Press button  or  briefly to select a stored station.
- ▶ **Select next or previous station in the station list:** Press and hold  or  to select a station.

- You can only store new stations using the COMAND controls.







Selecting Satellite Radio Stations

The satellite radio is treated as a radio application.

- ▶ From COMAND select SatRadio in the Audio menu.
- ▶ Press button  or  repeatedly until you see the currently tuned station in the multifunction display.
- ▶ **Select next or previous stored channel:** Press button  or  briefly to select a stored channel.
- ▶ **Select next or previous channel in the channel list:** Press and hold  or  to select a channel.

Operating DVD Changer, Music Register, Memory Card, Media Interface



Selecting a track or scene

- ▶ From COMAND select a source from the Audio menu.
- ▶ Press button  or  repeatedly until the audio source currently being played appears in the multifunction display.
- ▶ **Selecting previous or next track:** Press button  or  briefly.
- ▶ **Selecting a track from the track list (quick search):** Press and hold  or .

- Track selection may depend on selected settings in COMAND or the connected device.

NAVI Menu

The NAV menu contains the functions needed to operate your navigation system.

- ▶ Press button  or  repeatedly until you see the message NAV in the multifunction display.

The message shown in the multifunction display depends on the status of the navigation system:

- with COMAND switched off, the message NAV OFF appears in the multifunction display.
- with COMAND switched on but route guidance not activated, the direction of travel and, if applicable, the name of the street currently traveled on appear in the multifunction display.
- with COMAND switched on and route guidance activated, the direction of travel and maneuver instructions appear in the multifunction display.



Tel Menu

Warning

A driver's attention to the road must always be his/her primary focus when driving. For your safety and the safety of others, we recommend that you pull over to a safe location and stop before placing or taking a telephone call. If you choose to use the mobile phone while driving, please use the handsfree device and only use the mobile phone when weather, road, and traffic conditions permit. Some jurisdictions prohibit the driver from using a cellular mobile phone while driving a vehicle.

Bear in mind that at a speed of just 30 mph (approximately 50 km/h), your vehicle is covering a distance of 44 feet (approximately 14 m) every second.

You can use the functions in the Tel menu to operate your mobile phone, provided it is connected to a hands-free system and switched on.

- ▶ Switch on the mobile phone and COMAND.
- ▶ Press button  or  on the steering wheel repeatedly until the TEL menu appears in the multifunction display.

Which message appears in the multifunction display depends on your mobile phone's authorization and on/off status:

- If the mobile phone has not yet been authorized, the message in the multifunction display is: BLUETOOTH READY.
- If the mobile phone is switched on and authorized, the message in the multifunction display is: READY.

Answering a Call

When your mobile phone is ready to receive calls, you can answer a call at any time. In the multifunction display you will see a corresponding message or, if available, the caller ID (name and number):

- ▶ Press button .





You have answered the call.

Ending a Call or Rejecting an Incoming Call



- ▶ Press button .

Dialing a Number from the Phone Book

If your mobile phone is ready to receive calls, you may select and dial a number from the phone book at any time.


- ▶ Press button  or  repeatedly until the TEL menu appears in the multifunction display.
- ▶ Press button  or  repeatedly until the desired name or number appears in the multifunction display.

- ▶ **To scroll through the list of names or numbers using the quick search mode:**



Press and hold button  or  for longer than one second.

The system scrolls rapidly through the list of names or numbers until you release the button.

The stored names are displayed in ascending or descending alphabetical order.

- ▶ **To cancel the quick search mode:** Press button .

- i** If no contacts have been downloaded from the mobile phone, No entries

appears in the multifunction display when  or  is pressed.

- ▶ Press button .







The system dials the selected phone number.

If the connection is successful and this feature is supported by your network provider, the name of the party you are calling (if stored in your phone book) will appear in the multifunction display.

If no connection is made, the control system stores the dialed number in the Calls dialed memory.

Redialing

The control system stores the most recently dialed phone numbers. This eliminates the need to search through your entire phone book.

- ▶ Press button  or  repeatedly until the TEL menu appears in the multifunction display.
You will see the Ready message.
- ▶ Press button .
- ▶ In the multifunction display you see the first number in the Calls dialed memory.
- ▶ Press button  or  repeatedly until the desired name appears in the multifunction display.
- ▶ Press button .
- ▶ The control system dials the selected phone number.

Operating COMAND

Opening Menu of a Main Function

Example: Audio Menu

Within the Audio Function



P82.86-9951-31

- ① Main function line
- ② Audio menu
- ③ The symbol • indicates current operating mode.

▶ To switch to main function line ①:

Press .

▶ To select audio main function:

Press or .

▶ To confirm selection: Press .

You will see the main display for the selected audio mode.

▶ To switch back to the main function line ①:

Press and .

The Audio menu appears.

Selecting Menu Item

Example 1: Radio, Station Memory



P82.86-9952-31

- ① Selection bar

Selecting Menu Item

- ▶ Press or .

The selection bar moves up and down within the list.

Confirming Menu Item

- ▶ Press .

Exiting the Menu Without Selecting

- ▶ Press or against the list direction.

Example 2: Navigation, Enter Destination Menu



P82.86-9953-31

Enter Destination menu

- ① Menu with upper and lower menu bar
- ② Selector bar

Selecting Menu Item

- ▶ Press or .
- The selector bar moves horizontally.

Switching Menu Bar

- ▶ Press or .

Confirming Menu Item

- ▶ Press .

Character Entry

The example shows a list of cities during destination entry in the navigation.



P82.86-9955-31

- ① Predictive speller with number and character line

- i** In the predictive speller ① you can only select the characters that are currently available. The set of characters that is available depends on those already entered and the data for the digital map.

When entering characters, the list entry at the top always displays an entry that best matches the characters already entered. COMAND automatically adds matching letters to those already entered by the user.

Entering Characters

Using the Speller

- ▶ **To select characters:** Press or .
- ▶ Press or to switch between the lines in the speller.
- ▶ **To confirm character selection:** Press .

A possible option:

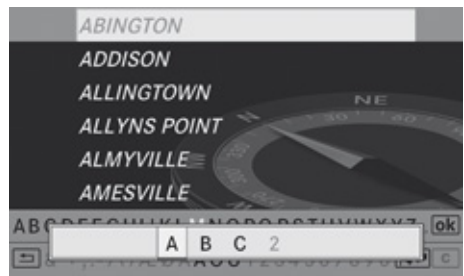
- ▶ **To switch predictive speller language (character set):** Select .

With Number Keypad

Alternatively, you can enter characters using the number keypad (direct input).

Example:

- ▶ Press one of the number keys, e.g. , once or repeatedly in succession. After you have pressed it the first time, the character display appears at the lower edge of the display. The first available letter is highlighted.



P82.87-2454-31

You see which characters you can enter with that key. Each time you press the key, the next character is highlighted.

For example, key :

- Press once = A
- Press twice = B
- Press three times = C

Wait until the character display disappears.

Deleting an Entry

- ▶ **To delete individual characters:** Select **CLR** at the bottom right of the speller and press **OK**.

or

- ▶ Press the **CLR** button.

- ▶ **To delete an entire entry:** Select **CLR** and press and hold **OK** until the entire entry is deleted.

or

- ▶ Hold the **CLR** button down until the entire entry is deleted.

Canceling an Entry

- ▶ Select **↵** at the bottom left in the speller and press **OK**.

or

- ▶ Press the **BACK** button.

COMAND goes one step back in the selection procedure.

If you press and hold the **BACK** button, COMAND shows the basic display of the current operating mode (e.g. radio display).

Accepting the First List Entry

- ▶ Press and hold **OK** until the Enter Destination menu appears. Here you will find the accepted list entry.

or

If COMAND can match the characters entered definitively to one town, the Enter Destination menu appears automatically with the selected list entry.

Switching to the List Without Predictive Speller

If other entries for a town exist, or the name exists more than once in the system, then **OK** is highlighted in the speller.

- ▶ Press **OK**.

You can switch to the list at any point while entering characters.

- ▶ Press **▲** repeatedly until the list appears without the speller.

or

- ▶ Select **OK** and press **OK**.

COMAND will complete your entry if the name is unambiguous. In this case it is not necessary to switch to the list, the Enter Destination menu will appear.

Selecting a list entry



P82.87-2455-31

Town list in navigation mode

- ▶ **To select a town:** Press **▲** or **▼**.
- ▶ **To confirm selection:** Press **OK**.

Operating Example

Switching to Radio Mode and Calling up the Station List

Initial situation:

You would like to switch, for example, from the phone function to radio mode and request the presets list from there.

- i** In this guide, the path to a menu item is shown as an action in a special typeface. Audio → Audio → FM/AM Radio → Radio → Presets.

- i** Depending on the initial situation, this sequence of actions may be shorter.

If radio mode was active last, it is sufficient to select Audio → Radio → Presets.

The individual steps for the above example are described below.

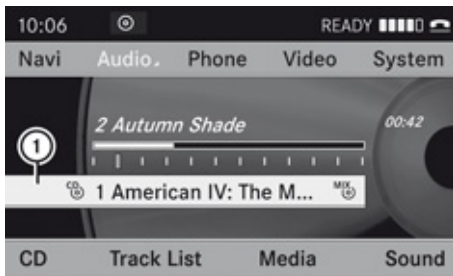
Switching to the Current Audio Mode

i You can also call up the current audio mode with the buttons **[RADIO]** or **[DISC]**.

► **To move to the main function line:**
Press **[▲]**.

► **To select the audio main function:**
Press **[▶]** or **[◀]**.

► **To confirm your selection:** Press **[OK]**.
The main display of the previous audio operating mode, e.g. CD audio, appears. The selection bar is located in the Main area.



P82.87-2456-31

① Selection bar

Switching to Radio Mode

► **To select Audio again:** Press **[▲]**.

► **To confirm selection:** Press **[OK]**.
The Audio menu appears.



P82.86-9960-31

► **To select FM/AM Radio:** Press **[▲]**.

► **To confirm selection:** Press **[OK]**.
The radio main display appears.



Tuning to a Station Manually

► Press **[▼]** to highlight the lower menu bar.

► Press **[▶]** or **[◀]** to select FM, AM or WB.

► Tune to a station by pressing **[▶]** or **[◀]**.

The red line (tuning indicator) moves right or left and stops when a receivable station is found.

Basic Functions of COMAND

i The COMAND components can be found on page (▷ page 20). Operating examples can be found on (▷ page 28).


i For many operating functions you can also use the buttons on the multifunction steering wheel, e.g. for volume setting the **[+]**, **[-]** buttons, (▷ page 24).


Switching COMAND On/Off

► Press the **[ON]** button.

A warning message appears. COMAND opens the last active menu.

Mute


- ▶ **To switch on/off:** Press the  button. The sound from the active audio or video source is switched on or muted.


i When the sound is muted, you will see the  icon in the status bar.


If you change the audio or video source or change the volume, the sound is automatically switched on again.

i Announcements from the navigation system can still be heard with the sound switched off.

Switching Navigation Announcements On/Off

- ▶ Press  during the announcement.



The navigation announcements are switched on again if you start a new route guidance or if COMAND is switched off and on with the  button.

i The navigation announcements can also be switched back on by selecting the softkey  in the navigation menu.

Setting the Volume

- ▶ **To set:** Turn the  rotary/push button.

or

- ▶ Press the  or  button on the multi-function steering wheel. The volume of the selected audio or video source changes.



Volume of Navigation Announcements

You can set the volume for navigation announcements independently of the volume for the active audio or video source.

During a navigation announcement:

- ▶ Turn the  rotary/push button.

or

- ▶ Press the  or  button on the multi-function steering wheel.



Setting Volume for Phone Calls

You can adjust the volume for hands-free mode during a telephone call.

During a telephone call:

- ▶ Turn the  rotary/push button.

or

- ▶ Press the  or  button on the multi-function steering wheel.

Sound Settings

You can select different sound settings for each audio and video source. The sound menu can be opened from the submenu of the desired operating mode.

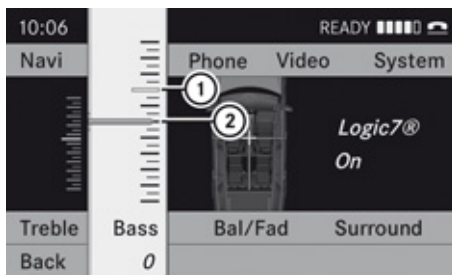
Examples:

- Audio → FM/AM Radio → Sound
- Audio → Disc → Sound

Setting Bass and Treble

- ▶ Select Sound → Treble or Bass.







The previously selected setting is indicated by an empty bar.



P82.86-9963-31

Setting treble and bass

- ① Last selected setting
- ② Current setting

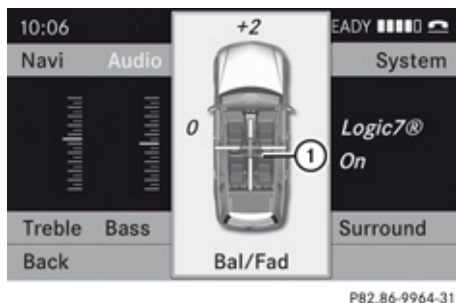
- ▶ **To change the setting:** Press  or  until the desired treble and bass levels are set.
- ▶ **To save setting:** Press . The setting is stored and the menu is exited.
- ▶ **To exit the menu without changes:** Press the   or  button.

Setting Balance and Fader

The balance determines whether the sound intensity is higher on the driver's side or on the front passenger's side.

The fader determines whether the sound intensity is higher in the front or in the rear of the vehicle.







- ▶ Select Sound → Bal/Fad (balance/fader).



P82.86-9964-31

Setting Balance and Fader (display image may differ depending on model)

- ① Current setting

- ▶ **To change setting:** Press , ,  or  until the balance and fader are set as desired.
- ▶ **To save setting:** Press the  button. The setting is stored and the menu is exited.
- ▶ **To exit menu without changes:** Press the  button.

Surround Sound

Your vehicle is equipped with the harman/kardon LOGIC7[®] Surround Sound system. You can select between LOGIC7[®]off and LOGIC7[®]on.

harman/kardon LOGIC7[®] Surround Sound is available for the following operating modes:

- Radio (FM only)
- HD Radio
- SatRadio
- CD Audio
- DVD Audio (MLP, DTS, PCM and Dolby Digital audio formats)
- MP3 (including SD memory card)
- AUX
- DVD Video (PCM, DTS and Dolby Digital audio formats)

i As some DVDs contain both stereo and multi-channel audio formats, it may be necessary to set the audio format (> page 141).

i The LOGIC7[®] on function of the harman/kardon LOGIC7[®] Surround Sound system allows playback of discrete 5.1 and stereo recordings with an optimum surround sound experience for each passenger. It enables optimum playback of music and films on CD or audio and video DVDs with high-resolution surround formats, such as MLP, DTS or Dolby Digital. For ideal sound perception from all seats, LOGIC7[®] distributes the 5.1 surround information over the 12-channel architecture. This results in sound characteristics like those intended by the sound engineer when the original was recorded.

harman/kardon LOGIC7[®] converts each two-channel stereo sound source into multi-channel surround sound. LOGIC7[®] reads the surround information stored during the original recording and

distributes it over the 12 channels. No effects are created during the process, anything that was always on the recording is just made audible again. In addition, harman/kardon LOGIC7® moves the perceived sound source away from the loudspeakers and thereby generates a natural 360° sound experience for every passenger.

i If you select LOGIC7® off, playback of all recognized formats is as it is on the medium. Due to the design of the passenger compartment, an optimum audio experience cannot be guaranteed for all passengers.

i Discs which support the audio formats mentioned have the following logos:

Dolby Digital



DTS



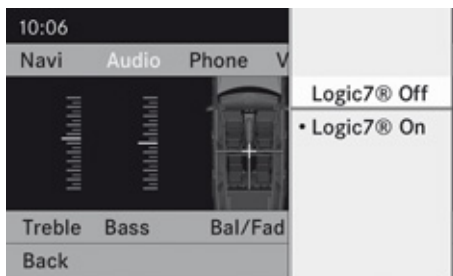
MLP



Setting surround sound

You can select LOGIC7® on or LOGIC7® off in surround sound mode.

▶ Select Sound → Surround.



P82.86-9965-31

Surround sound setting (display image may differ depending on model)

▶ **To select the setting:** Press or .

▶ **To save the setting:** Press . The setting is stored and you exit the menu.

▶ **To exit the menu without changes:** Press the , or button.

i Please note the following:

- For the optimum audio experience for all passengers when LOGIC7® is switched on, the balance and fade should be set to the center of the passenger compartment.
- You will achieve the best sound results by playing high-quality audio and video DVDs.
- MP3 tracks should have a bit rate of at least 128 kbit/s.
- Surround-sound playback does not work for mono signal sources, such as the AM waveband in radio mode.
- If the radio reception is poor, e.g. in a tunnel, you should switch off LOGIC7® because it may otherwise switch automatically between stereo and mono

and therefore distort the sound temporarily.

- On some stereo recordings, the sound characteristics may differ from conventional stereo playback.

System Menu Overview	38
Switching the Display On/Off	39
Time	39
Language Setting	40
Display Settings	40
Read-Out	41
Voice Control	41
Rear View Camera	42
Bluetooth	43
Reset	45

System Menu Overview

Vehicle Equipment

- i** This Operator's manual describes all features, standard or optional, potentially available for your vehicle at the time of purchase. Please be aware that your vehicle might not be equipped with all features described in this manual.

Opening System Menu

- ▶ Press the **[sys]** function button.
- or
- ▶ Select System in the main function line. The system menu appears.



P82.87-2457-31

- ① Settings menu
- ② Switching off the display

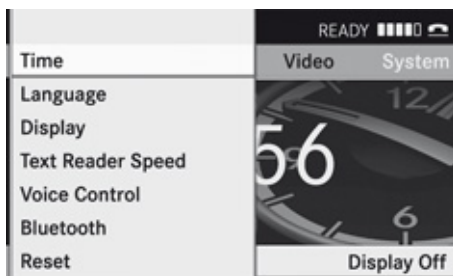
Settings

- Time (▷ page 39)
- Language (▷ page 40)
- Display (▷ page 40)
- Text reader speed (▷ page 41)
- Voice Control (▷ page 41)
- Rear View Camera (▷ page 42)
- Bluetooth®
- Reset (▷ page 45)

- i** Use this function to delete your personal data, e.g. before selling your vehicle.

Display Off

- (▷ page 39)



P82.87-2458-31

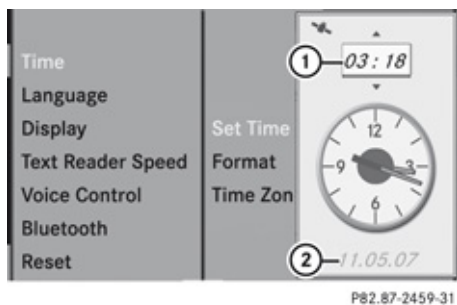
Switching the Display On/Off

- ▶ **To switch the display off:** Select System → Display Off.
The display is switched off.
 - ▶ **To switch on the display:** Press the **OK** button, the **BACK** button or one of the **◀**, **▶**, **▼** or **▲** buttons.
- or
- ▶ Press the **ON** button.
The system menu appears.
- i** You can also press one of the function buttons, e.g. the **DISC** button. This turns on the display and switches to the corresponding function.

Time

Setting the Time

- i** The correct time must be set for the following navigation system functions to operate correctly:
- Calculation of expected time of arrival
 - Time stamps for calls received and calls dialed
- ▶ Select System → Settings → Time → Set Time.



- ① Sets the time
② Current date

- ▶ **To set value:** Press **▼** or **▲**.

- ▶ **To save setting:** Press **OK**.

i The increment for setting the minutes depends on the situation. It is 30 minutes if the vehicle is equipped with a navigation system and if GPS is being received. It is one minute if GPS reception is not available.

i If you change the time in 30 minute steps, previously selected settings for time zone and switching between summer time and standard time are lost. (▶ page 39).

Setting the Date/Time Format

- ▶ Select System → Settings → Time → Format.
The format list appears. The dots • in front of the list entries indicate the current setting.
- i** The abbreviations mean:
Date format: DD - Day, MM - Month, YY/YYYY - Year
Time format: HH - Hour, MM - Minute for either 24-hour clock or AM/PM format
- ▶ **To change format setting:** Press **▼** or **▲**.
- ▶ **To confirm selection:** Press **OK**.
- ▶ **To save setting and quit menu:** Press **◀** or **▶**.

Setting the Time Zone and Switching Between Daylight Saving Time and Standard Time

- i** The correct time zone and daylight saving/standard time must be set for the following navigation system functions to operate correctly:
- Calculation of expected time of arrival
 - Time stamps for calls received and calls dialed

- ▶ **To set the time zone:** Select System → Settings → Time → Time Zone. A time zone list appears. The ● dot indicates the current setting.
- ▶ Press or to select the appropriate time zone.
- ▶ **To switch between Daylight Saving and Standard Time:** Select Daylight Saving Time (Summer) or Standard Time (Winter). The ● dot indicates the current setting.
- ▶ **To save setting and exit menu:** Press or .

Language Setting

This function allows you to determine the language for the menu displays and the navigation messages. The language selection affects the input options in the editing and smart speller.

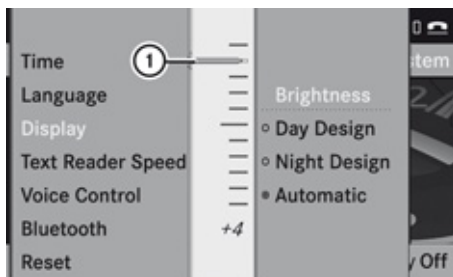
- ▶ Select System → Settings → Language. The language list appears. The ● dot indicates the current setting.
- ▶ **To change setting:** Press or to select the desired language.
- ▶ **To confirm the language selection:** Press . COMAND loads the selected language and sets it.

i If you change the system language, the language for Voice Control will be also be changed. If the selected language is not supported by the Voice Control system, “English” will be selected.

Display Settings

Adjusting Brightness

- ▶ Select System → Settings → Display → Brightness.



P82.87-2460-31

① Brightness bar

- ▶ **To adjust brightness:** Press or .
- The brightness bar moves up or down.
- ▶ **To confirm selection:** Press or press .
- or
- ▶ Press the button.

Setting the Display Design

- ▶ Select System → Settings → Display.
- ▶ Select Day mode, Night mode or Automatic. The ● dot indicates the current setting.

i In the Automatic setting, COMAND evaluates the automatic vehicle light sensor and automatically switches over the display design.

Read-Out

Setting reading Speed

- ▶ Select System → Settings → Text Reader Speed.
The list of possible settings appears. The
 - dot indicates the current setting.
- ▶ Select the desired speed.
- ▶ **To confirm your selection:** Press **OK**.

Voice Control

Switching the Help Screen On or Off

- ▶ Select System → Settings → Voice Control.
- ▶ Select Help Window.
You have switched the help window on or off .
- i** In addition to the audible instructions, the help screen displays other information during the individualization process and the later voice control mode.

Individualization Function

You can use the individualization function option to adapt the Voice control system to your own voice and therefore improve voice recognition. This will affect the ability of the system to recognize the voices of other users, and for this reason it can be switched off (▷ page 42).

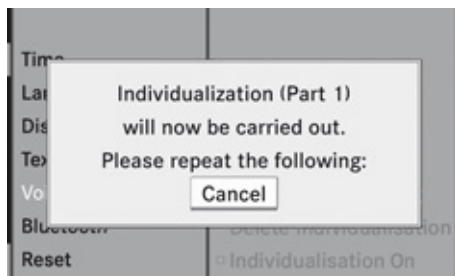
The individualization function comprises two parts and lasts around five minutes. During the process you will practice a few number sequences and voice commands.

Starting New Individualization Process

- i** You can only start the individualization function when the vehicle is stationary. First switch off all interfering units/functions. After starting, the system will

take you through the training by means of audible instructions.

- ▶ Select System → Settings → Voice Control → Start New Individualization.
You see and hear a prompt asking whether you would like further information.
- ▶ Select Yes or No.
If you select No, the first part of individualization begins. You hear a prompt asking whether you would like to train the system in numbers or in voice commands. If you select Yes, an information screen will appear and you will hear information about the sequence of the individualization process. The first part of the individualization then starts automatically.
or
- ▶ **To close the display:** Press **OK**.
You hear a prompt asking whether you would like to train the system in numbers or in voice commands.

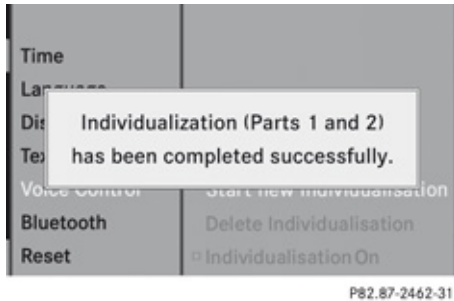


P82.87-2461-31

Once the first part is over, you will be prompted to confirm that you wish to start the second part.

- ▶ Select Yes or No.
If you select No, individualization will be canceled. The data from the first part is saved automatically.
If you select Yes, the second part of the individualization will start.
The individualization is ended once the second part has been completed. A

corresponding message is displayed. The data from the second part is saved automatically.



P82.87-2462-31

Canceling the First or Second Part of Individualization

- ▶ Select Cancel.
You will be prompted to confirm that you really wish to cancel.
- ▶ Select Yes or No.
If you select Yes, individualization will be canceled. The data from the canceled part will be lost.
If you select No, the canceled part of the individualization will restart.

Deleting Existing Individualization Data

- ▶ Select System → Settings → Voice Control → Delete Individualization.
You will be prompted to confirm that you really wish to delete it.
- ▶ Select Yes or No.
The individualization data will be deleted or retained on the basis of the selection. A corresponding message is displayed.

Switching Individualization On and Off

- ▶ Select System → Settings → Voice Control → Individualization On.
This switches the individualization on or off .

Rear View Camera

COMAND shows the camera picture on the display when

- the function is switched on in the System Settings menu and
- the vehicle is shifted into reverse gear

As soon as you shift out of reverse gear, the previous display is shown.

Switching On/Off the Display of the Rear View Camera

- ▶ Switch to System Menu



P82.87-2464-31

System settings menu with Rear View Camera option

- ▶ Select Settings → Rear View Camera.
- ▶ Select Activation by R gear.
Depending on the previous state the function is switched on or off .

Bluetooth

General Information About Bluetooth®

- i** Bluetooth-capable devices must correspond to a particular profile to be connected to COMAND. Every Bluetooth device has a Bluetooth-specific name.

Bluetooth® technology is the standard for short-range wireless data transmission of up to approximately 30 feet. Bluetooth® can be used to exchange vCards, for example.

Bluetooth® is a registered trademark of the Bluetooth Special Interest Group (SIG) Inc.



Switching Bluetooth® On or Off

- ▶ Select System → Settings → Bluetooth → Activate Bluetooth. Bluetooth is switched on or off .

Connecting Bluetooth Devices

- i** To connect a Bluetooth device, the Bluetooth function must be switched on in COMAND and on the particular device. The Bluetooth device must also be “visible” to COMAND in order for COMAND to find and display it. For the setting procedures, please see the operating instructions for the Bluetooth device.

It is possible to establish a Bluetooth connection between COMAND and the following types of device:

- Mobile phone

- i** Bluetooth-enabled mobile phones must correspond to particular profiles to be connected to COMAND.

The volume of telephone conversations can change after the phone has been connected.

- Portable personal computer

You can connect up to ten devices to COMAND.

The connection process includes searching for the device and its subsequent authorization.

Opening the Bluetooth Device List and Searching for a Device

- i** You must first switch on Bluetooth to be able to call up the list of Bluetooth devices (> page 43).

- ▶ **To open the list:** Select System → Settings → Bluetooth → Bluetooth Device List.

- ▶ **To start the search:** Select Update. COMAND starts the search for devices within reception range. The device list appears after a short time.

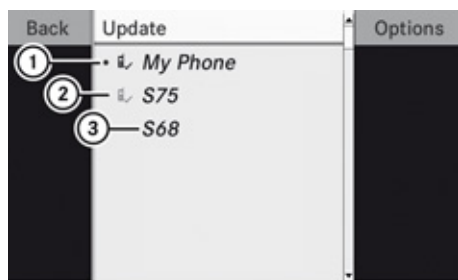
- i** If you open the device list again, it may not display all devices as you may have removed one from the car for a while, for example. In this case, start a new search to update the device list.

- ▶ **To cancel search:** Select Cancel.

The device list can contain the following devices:

- All (available) devices found, regardless of whether they have been authorized or not.
- All authorized devices, regardless of whether they have been found (are available) or not.

The device list may show the following icons immediately after manual updating:



P82.86-9972-31

- ① Currently connected (black icon) and authorized device (here a mobile phone icon)
- ② Device not within range but previously authorized (grey icon appears in grey)
- ③ Newly detected device within range but not yet authorized (no icon)

Phone icons indicate if a phone is found (black) or not (grey).

The check marks indicate if a phone has been authorized (black) or not (grey).

- i** If the device list already contains ten authorized devices, you will have to withdraw the authorization for (de-authorize) one of the authorized devices (> page 45). You will then have to switch this device off and start the search again. Otherwise the new device you are looking for will not appear in the list.
- i** If you reopen the device list at a later time, it will contain all previously authorized devices.

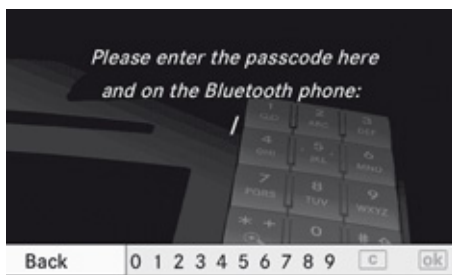
Displaying Details About a Bluetooth Device

- ▶ Open the Bluetooth device list (> page 43).
- ▶ Select the desired device.

- ▶ Select Options → Details. The detailed display for this device appears.
- ▶ **To close detailed view:** Press or .

Authorizing a Bluetooth Device

- ▶ Open the Bluetooth device list (> page 43).
- ▶ Select Update.
- ▶ Select the unauthorized device (no check mark yet).
- i** If the authorization of a device, which had been authorized in the past, has been withdrawn and it is no longer found in the search, the device list no longer includes this device. Devices that have been authorized in the past but not found in the search are either not switched on or are not in the vehicle.
- ▶ Select Options → Authorize. The input menu for the passcode appears.



P82.87-2463-31

- ▶ **To enter passcode in COMAND:** Select digits one after another.
- i** The passcode is any number with between one and sixteen digits that you can select yourself. You must enter the same number on COMAND and on the device to be authorized. Please also refer to the instructions in the Bluetooth device manual.

- ▶ **To cancel entry:** Select Back.
- ▶ **To confirm entry:** Select .
- ▶ Enter the same passcode on the Bluetooth device (▷ operating manual for the relevant device).
The device is authorized.

External Authorization

If COMAND cannot find your mobile phone, this may be due to special security settings on your mobile phone. In this case, you can check whether, conversely, your mobile phone can find COMAND.

COMAND's Bluetooth device name is "MB Bluetooth".

- ▶ Select System → Settings
→ Bluetooth → Bluetooth Device List → Options → External Authorization.
- ▶ Start Bluetooth search procedure on the mobile phone (▷ mobile phone operating guide).
- ▶ Select COMAND ("MB Bluetooth") from the device list on your mobile phone.
- ▶ When prompted to do so, enter the passcode on the mobile phone and on COMAND.

De-authorizing a Bluetooth Device

- ▶ Open the Bluetooth device list (▷ page 43).
- ▶ Select the authorized device.
- ▶ Select Options → De-authorize.
You will be asked whether the device should really be de-authorized.
- ▶ Select Yes or No.
If you select Yes, the authorization of the device is withdrawn.

Reset

- i** You can fully reset COMAND to the factory settings. This process deletes all personal data, among other things, (e.g. station memory, address book entries, entries in the destination memory and in the last destinations of the navigation system). It is recommended that you perform a reset before the vehicle is handed over or sold, for example.
- ▶ Select System → Settings → Reset.
You will be prompted to confirm that you wish to perform the reset.
- ▶ Select Yes or No.
If you select Yes, you will again be prompted to confirm that you wish to perform the reset.
- ▶ Select Yes or No.
If you select Yes, COMAND is reset and restarted.

Introduction	48
Destination Input	61
POI Input	73
Route Guidance	80
Traffic Messages	87
Destination Memory	90
Last Destinations	94

Introduction

Vehicle Equipment

- i** This Operator's Manual describes all features, standard or optional, potentially available for your vehicle at the time of purchase. Please be aware that your vehicle might not be equipped with all features described in this manual.

Safety Instructions

Warning

For safety reasons, only enter a destination when the vehicle is stationary. When the vehicle is in motion, a passenger should enter the destination. Study manual and select route before driving.

Bear in mind that at a speed of just 30 mph (approximately 50 km/h), your vehicle is covering a distance of 44 feet (approximately 14 m) every second.

COMAND calculates the route to the destination without taking account of the following:

- Traffic lights
- Stop and right-of-way-signs
- Lane merging
- Parking or stopping prohibited areas
- Other road and traffic rules and regulations
- Narrow bridges

Warning

COMAND may give incorrect navigation commands if the data in the digital map does not correspond with the actual road/traffic situation. Digital maps do not cover all areas nor all routes within an area. For example, if the traffic routing has been changed or the direction of a one-way road has been reversed.

For this reason, you must always observe applicable road and traffic rules and

regulations during your journey. Road and traffic rules and regulations always have priority over the navigation commands generated by the system.

Warning

Navigation announcements are intended to direct you while driving without diverting your attention from the road and driving.

Please always use this feature instead of consulting the map display for directions. Consulting the symbols or map display for directions may cause you to divert your attention from driving and increase your risk of an accident.

Updating the Map Software

The digital data for the map software will become obsolete, just like conventional road maps. Optimum route guidance by the navigation system is only achieved with up-to-date map software. Information on new map software versions is available from an authorized Mercedes-Benz Center.

You can have the map software updated there by means of a DVD or perform the update process yourself.

Notes on DVD Discs

- Only touch the discs at the edges.
- Handle the discs with care in order to prevent reading errors.
- Avoid scratching, leaving fingerprints and dust on the discs.
- Use a commercially available cleaning cloth to clean discs. Always wipe in a straight line from the inside outwards, never in a circular motion.
- After use, put the discs back into the box.
- Protect the discs from heat and direct sunlight.

Update Sequence

The sequence includes the following stages:

- Loading DVD into the DVD changer
- Update process

i The update process may take between 60 and 150 minutes, depending on the size of the map software.

If possible, perform the update when the vehicle is stationary. The DVD read speed is faster when the vehicle is stationary than when the vehicle is moving and the update therefore takes less time. If you perform the update with the engine off and the vehicle battery is no longer powerful enough, COMAND may shut off automatically during the process to protect the battery. In this case, restart the update with the engine running.

You can interrupt the update process and continue it at later time. If you cancel the update process, the navigation system is not ready for operation.

Warning

Never leave the engine running in an enclosed space. The exhaust gases contain carbon monoxide. Inhaling exhaust gases constitutes a health hazard and could lead to loss of consciousness or even death.

Loading DVDs into DVD Changer

The 6-disc DVD changer is integrated with COMAND.



- ① Load/Eject button
- ② Disc slot

▶ Press the Load button ①.

A disc icon indicates which magazine compartments are currently loaded.

▶ **To select an empty magazine**

compartment: Press  or .

▶ **To start loading:** Press .

The message Please Insert Disc <x> will then be displayed.

▶ Insert the DVD into the slot with the printed side upwards.

The DVD changer pulls in the DVD. The message Loading Disc <x>... will be displayed.

i If the magazine is full, you will first need to eject a disc (▷ page 134).

Update Process

The update process starts once the DVD has been loaded.

COMAND checks whether the map software on the DVD matches the vehicle's navigation system and system software.

Map Software Is not Suitable for the Navigation System or the System Software

A message is displayed stating that the navigation update DVD with the new map data is not suitable for the system or the system software.

COMAND ejects the DVD.

▶ Remove the DVD from the slot ①.

▶ Have the system software updated by an authorized Mercedes-Benz Center.

i It will only be possible to update the map software once the system software has been updated.

Map Software Matches the Navigation System and the Current System Software

COMAND checks whether the DVD's map data has already been installed.

Map Data Is Already Installed

The version release and a corresponding message will be given on the display.

- ▶ **To confirm message:** Press **OK**.
COMAND ejects the DVD.

Map Data Is not yet Installed

The version release and a query as to whether the update should be carried out will be given on the display.

- ▶ Select Yes or No.
If No is selected, COMAND ejects the DVD automatically and the map data is not updated.
- ▶ Remove the DVD from the slot.
If Yes is selected, the map data is updated.

Updating the Map Data

While the update is in progress, a corresponding message and a progress bar are displayed. The progress bar fills from left to right over the course of the update. The navigation system is not functional until the update is complete.

You cannot eject the DVD during the update. If you switch COMAND off during the update, this will interrupt the update and the update will resume at the point of interruption when the system is restarted.

While updating, COMAND may prompt you to change the DVD. A corresponding message is then displayed.

- ▶ Press the Eject button **EJECT**.
COMAND ejects the DVD.
- ▶ Remove the DVD from the slot.
- ▶ Insert the DVD requested by COMAND.
If the update has been completed successfully, a corresponding message is displayed.
- ▶ **To confirm message:** Press **OK**.
COMAND ejects the DVD.
- ▶ Remove the DVD from the slot.
The update is complete.

If the update has not been completed successfully, a message is displayed

indicating that the map update is not possible.

- ▶ **To confirm message:** Press **OK**.
COMAND ejects the DVD.
- ▶ Remove the DVD from the slot.

An unsuccessful update may be caused by one of the following:

- DVD dirty or scratched.
 - ▶ Clean the DVD.
Please refer to the “Notes on DVD discs” section (▷ page 48).
 - ▶ Restart the update.
- Overheating as a result of excessively high temperatures in the passenger compartment.
 - ▶ Wait until the passenger compartment has cooled down.
 - ▶ Restart the update.
- The memory medium (hard drive) integrated into COMAND has a physical defect.
 - ▶ Contact an authorized Mercedes-Benz Center.

General Information

Operational Readiness of the Navigation System after the System Software Update

Sometimes the installed map software is no longer compatible following a system software update by an authorized Mercedes-Benz Center. In this case, the navigation system is not operational.

- ▶ **To update map software:** Proceed as described in the “Update Process” section (▷ page 49). Use map software compatible with the system software.

i Please note that in this case the update must run through right to the end. If you cancel beforehand, the navigation system will still not be ready for operation.

After start-up or initial start-up, the navigation system must perform a position finding operation. As a result, you may have to drive for some time until precise route guidance takes place.

GPS Reception

The correct functioning of the navigation system is also dependent on the GPS reception. In certain situations, the GPS reception may be impaired, distorted or even impossible, e.g. in tunnels, multi-storey car parks or due to snow on the GPS antenna. If there is snow on the GPS antenna, you should remove it. The GPS antenna is at the rear on the vehicle's roof.

Route Guidance after Vehicles Transport

After vehicle transport (e.g. by ferry, car train or by towing) COMAND must determine the vehicle location again.

Position finding takes place automatically when the vehicle is driven off again, even if COMAND is switched off. The actual length of time may vary from case to case.

While the vehicle is determining its position, route guidance is subject to the following restrictions:

- Navigation announcements, route guidance displays and displayed street names do not match the actual location.
 - COMAND does not issue any navigation announcements.
 - The message *Off Mapped Road* and a direction arrow are displayed instead of the route guidance displays. The arrow indicates the direction of the destination.
- i** Direction arrow accuracy is also dependent on correct vehicle position and/or direction.

Once the position finding operation has been completed, route guidance takes place again

via navigation announcements and route guidance displays.

Interrupting Journey during Route Guidance

- i** An interruption in the journey means parking the vehicle and switching off COMAND.
The continuation of the journey means switching COMAND on again and continuing to drive.

If interrupt the journey during route guidance and continue it later, the following applies:

- If you continue the journey within 2 hours, COMAND automatically continues route guidance.
- If you continue the journey after 2 hours, route guidance is cancelled. You will have to continue the cancelled route guidance again manually .

Hard Disk Drive

COMAND has an integrated hard drive on which the map software is stored.

If an area of the hard drive has a fault, COMAND can no longer access the map data in that area for the route calculation, for example.

The message *Navigation Unavailable* will then be displayed.

- To delete message:** Switch COMAND off and back on again.
- i** After switching on/off, the navigation system will remain functional until it has to access the faulty area of the hard drive again. The message will be displayed again. Contact a Mercedes-Benz Service Center.

Measurement Units

The measurement units displayed in navigation mode are identical to those set in the instrument cluster.

Input Restriction

There is an input restriction for vehicles for certain countries.

The restriction is active for vehicle speeds above approx. 3 mph. The restriction is deactivated as soon as the speed falls below approx. 2 mph.

Certain entries cannot be made when the restriction is active, e.g. a city or road entry.

This is indicated by the fact that certain menu items cannot be selected.

Menu Overview

Navi

Selecting map display

Setting route calculation mode

Setting Block Area


Save Off-road Route

Selecting information on map

Switching highway information on/off

Switching Audio Fadeout on/off

Navi Submenus

Guide	Traffic	Route (with active route guidance)	Position	 (with active route guidance)	Destination
Selecting POI in depicted map segment, if available	Displaying Traffic Messages	Opening detour function Having alternative route calculated Opening destination information Opening route browser	Save vehicle location or crosshairs position i The crosshairs position can be saved if the crosshairs are displayed on the map, e.g. . Display vehicle position map Display destination position map	Repeating current navigation announcement	Cancel route guidance Entering destination <ul style="list-style-type: none"> • via address • from memory • from “Last destinations” memory • as POI • via map • as stopover destination Saving destination

Switching to Navigation Mode

- Press the function button .

or

- Select Navi in the main function menu. This displays the map with the menu system either displayed or hidden.

- i** If the message Please insert the map DVD to activate Navigation. appears instead of the map display, see (▷ page 48).



Map without activated route guidance and with menu system displayed

- ① Menu system, status line
- ② Menu system, with main functions

- ③ Current vehicle location
- ④ Menu system, navigation submenu



Map without activated route guidance and with menu system hidden

- ① Current vehicle location
- ② Set map orientation (▷ page 55)
- ③ Set map scale (▷ page 54)

Displaying/Hiding Menu System

▶ **To hide:** Press or and when the menu item Full screen is displayed press .

The menu system is hidden. This displays the map in full screen mode.

▶ **To display:** In full screen map mode press .

or

▶ Press the function button .

Setting Map Scale

▶ **To set the map scale:** Press or .

The map scale ③ is displayed.



- ① Scale
- ② Pointer indicating the currently set map scale
- ③ Currently set map scale as number

Saving Current Vehicle Location as Destination in the Last Destinations

▶ **To display menu system if applicable:** Press .

▶ **To save:** Select Position → Save Vehicle Position.

COMAND saves the current vehicle location as destination in the last destinations memory (▷ page 94).

A window appears containing a corresponding message.

▶ **To exit menu:** Press , or the button.

Scrolling the Map

i You can only scroll the map when the menu system is hidden (map in full-screen mode).

▶ Hide menu system if applicable (▷ page 54).

▶ Press , , or .

Crosshairs will appear on the map.



P82.87-2468-31

- ① Current vehicle location
- ② Crosshairs
- ③ Information on crosshairs position
- ④ Set map scale

i The display item ③ may for example be a road if corresponding data is available in the digital map and Current Street is activated. Or it displays the geo-coordinate position of the crosshairs if Geo-coordinates display is activated (▷ page 60).

Saving Crosshairs Position as Destination in the last Destinations

- ▶ **To display menu system if applicable:** Press **OK**.
- ▶ **To save:** Select Position → Save Crosshair Position. COMAND saves the crosshairs position as a destination in the last destinations memory (▷ page 94). A window appears containing a corresponding message.

Hiding Crosshairs

- ▶ Press the **BACK** button. The crosshairs disappear and the map is set to the vehicle location.
- or
- ▶ Set the map to the vehicle location, see description below.

Setting Map to Vehicle or Destination Location

i If you have moved the map, you can quickly move the map to the vehicle or destination location using this function. It is only possible to set it to the destination location when route guidance is active.

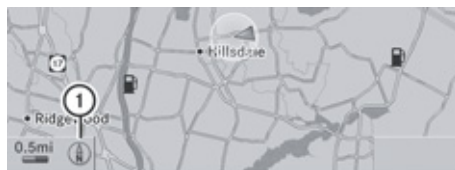
- ▶ **To display menu system if applicable:** Press **OK**.
 - ▶ **To set map to vehicle location:** Select Position → Vehicle Position Map. This hides the crosshairs.
- or
- ▶ Press the **BACK** button if the crosshairs are displayed. This hides the crosshairs.
 - ▶ **To set the destination location:** Select Position → Destination Position Map. The crosshairs position is then set to the destination.

Basic Settings

You can perform the settings listed below with route guidance inactive or active.




Map Display

Map Orientation



P82.87-2528-31

- ① Currently set map orientation
- The following displays are possible:

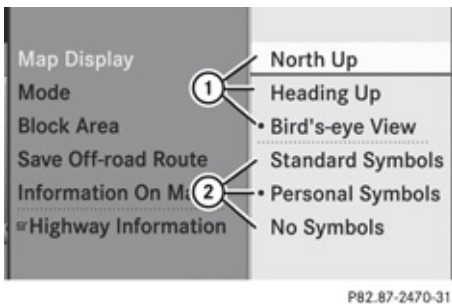
-  = orientation to north (the map display is oriented to the north, north is always at the top)
-  = Driving direction (the map display is oriented in the direction of travel, the direction of travel is always at the top, the orange tip of the symbol points northwards)
-  = Bird's-eye view (the map display is oriented in the direction of travel, the map projection reproduces the curvature of the earth's surface, the orange tip the symbol points northwards)





Example of map from bird's-eye view

- ① Current crosshairs location
- ② Currently set map orientation

- ▶ **To set map orientation:** Display menu system if applicable (▷ page 55).
- ▶ Select Navi → Map Display.
A dot • indicates the current setting.



- ① Options for map orientation
- ② Options for POI symbols (▷ page 56).

- ▶ Select North Up or Heading Up or Bird's-eye View.
- ▶ **To exit menu:** Press  or .
- ▶ Hide menu systems if applicable (▷ page 54).
The map orientation changes accordingly.

Setting POI Symbols

You can select which POIs are to be displayed as symbols on the map. Points of interests include, for example, gas station, hotels, cinemas and restaurants.

The following settings are available:

- Standard Symbols
Displays the factory-set symbols
- Personal Symbols
You can choose the symbols yourself.
- ▶ **To set:** Display menu system if applicable (▷ page 54).
▶ Select Navi → Map Display.
▶ Select Standard Symbols or Personal Symbols or No Symbols.
If you have selected Personal Symbols, the list of POIs will be displayed.
- ▶ **To switch symbol display on/off:**
Select the corresponding POI.
Depending on the previous status, the corresponding symbol displays will be switched on or off . You may also activate the symbol displays for several POIs.
- No Symbols

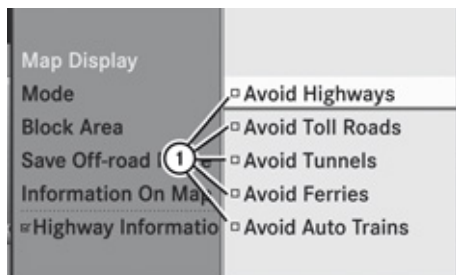
- **i** The list indicates all symbols for all countries that are contained in the digital map. However, not all POIs are available in all countries. As a result, certain POI symbols may not be shown on the map even though the symbol displays is switched on.

- ▶ **To exit menu:** Press or .
- ▶ Hide menu system if applicable (▷ page 54).

Route Mode

This function allows you to set the following options for route guidance:

- Avoid Highways
- Avoid Toll Roads
- Avoid Tunnels
- Avoid Ferries
- Avoid AutoTrains



P82.87-2471-31

- ① Sets route options

Setting Route Options

- ▶ **To set:** Display menu system is applicable (▷ page 54).
- ▶ Select Navi → Mode.
- ▶ **To switch option on/off:** Select required option.
Depending on the previous status, the option will be switched on or off .
You may activate several options.

i The calculated route may include ferry connections, for example, even if the operation Avoid Ferries has been activated.

i If you change the route type setting when route guidance is active, COMAND calculates a new route.

Block Area

You can define an area within the map display that is not to be used by the system in calculating a route, if possible.

i The calculated route may include a blocked area if the destination is within a blocked area or if the destination can only be reached using roads that lead through a blocked area. Highways cannot be blocked.

▶ **To set, change or delete:** Display menu system if applicable (▷ page 54).

▶ Select Navi → Block Area.

If no areas were previously set, the map display appears ready to select an area.

If areas were previously set, the blocked area list appears.

▶ **To move the map:** Press , , or .

▶ **To set the map scale:** Press or .

The map scale is displayed.

▶ **To enlarge the map:** Press .

▶ **To reduce the map:** Press .

▶ **To set the blocked area:** Press .



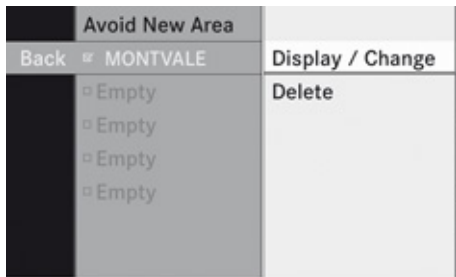
P82.87-2472-31

The blocked area appears in red.

▶ Press or to change the size of the blocked area.

▶ Press .

The area is added to the blocked area list.



P82.86-9983-31

A checked entry indicates an active blocked area.

- i** You can block several areas for the route calculation and activate or de-activate them by setting or removing the check mark.

Displaying and Changing an Existing Block Area

- ▶ **To select the area you want to display or change:** Press or .
- ▶ Select Display/Change.
The map display appears with the block area marked red.
- ▶ Press or until the desired size of the block area is set.
- ▶ Press , , or to shift the block area to the desired region.
- ▶ **To confirm the area and exit map display:** Press .
- ▶ Hide menu system if applicable (▷ page 54).

Defining a New Block Area

- ▶ Select Avoid New Area
The map display appears with a default new block area in red.
- ▶ Press or until the desired size of the new block area is set.
- ▶ Press , , or to shift the new block area to the desired region.

- ▶ **To confirm the area and exit map display:** Press .

- ▶ Hide menu system if applicable (▷ page 54).

Deleting a Block Area

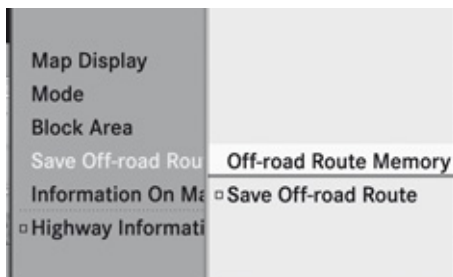
- ▶ **To select the area you want to delete:**
Press or .
- ▶ Select Options → Delete.
You will be prompted to confirm that you wish to delete the block area.
- ▶ Select Yes or No.
If you select Yes COMAND deletes the entry. A message will be displayed.

Saving an Off-road Route

If this function is switched on, an Off-road route is recorded and stored.

Switching the Function On/Off

- ▶ Show the menu system, if necessary (▷ page 54).
- ▶ Select Navi → Save Off-road Route.
- ▶ Select Save Off-road Route in the submenu.
Depending on the previous state, switch the option on or off .



P82.87-2473-31

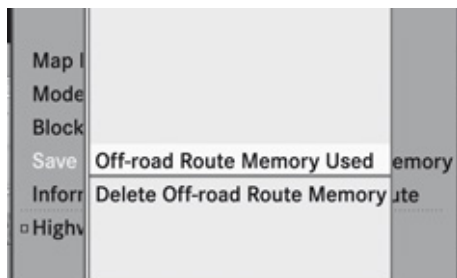
Displaying Memory Usage

- i** When the memory is 90% full, you see a corresponding message. When the memory is full, the function is no longer available and a message appears.

► **To confirm the message:** Press **OK**.

i In order to be able to continue using the “Save off-road route” function, you should delete the route memory afterwards.

- Show the menu system, if necessary (▷ page 54).
- Select Navi → Save Off-road Route → Off-road Route Memory.



P82.87-2474-31

A bar shows the memory usage as a percentage.

i When the memory is completely full, you cannot select the Route memory menu item.

Deleting the Route Memory

- Show the menu system, if necessary (▷ page 54).
- Select Navi → Save Off-road Route → Delete Off-road Route Memory.

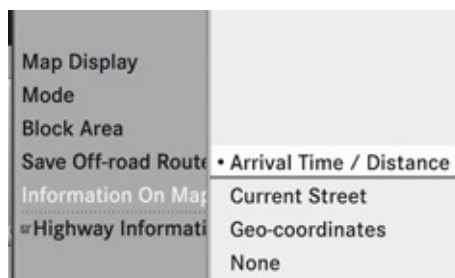
A query appears asking whether the memory should be deleted.

- Select Yes or No.
If you select Yes, the memory is deleted.

Information on Map

You can have map information displayed at the bottom edge of the screen during route guidance.

- **To set:** Display menu system if applicable (▷ page 54).
- Select Navi → Information On Map.

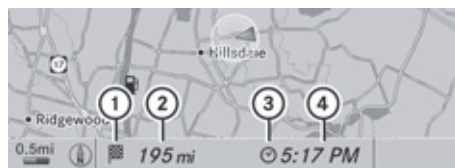


P82.87-2475-31

A dot • indicates the current setting.

- Select Arrival Time/Distance or Current Street or Geo-coordinates or None.
- **To exit menu:** Press **◀** or **▶**.
- Hide menu system if applicable (▷ page 54).

Time of Arrival/Distance to Destination



P82.87-2529-31

Map with display activated for time of arrival/distance

- ① Symbol for destination
- ② Distance to the destination
- ③ Symbol for estimated time of arrival
- ④ Estimated time of arrival

i This display can only be seen during route guidance. In the Move Map function you will see other data depending on the crosshairs position, for example a street name if the digital map supports this data.

Current Street

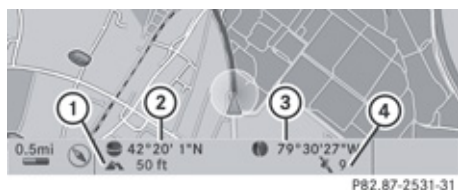


P82.87-2530-31

Map with road display activated

- ① Road name or road number, e.g. for highways

Geo-Coordinates Display



P82.87-2531-31

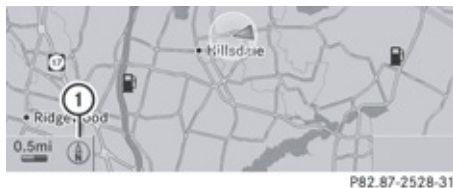
Map with geo-coordinates display activated

- ① Current height above sea level (rounded off to 50 m)
- ② Coordinates display of the current vehicle location (latitude)
- ③ Coordinates display of the current vehicle location (longitude)
- ④ Number of GPS satellites currently being used.

i Adequate GPS reception must be available for all displays. The altitude display ① may differ from reality because the navigation system calculates it using the GPS signals.

i In the Move Map function the display ① and ④ are not displayed. The geo-coordinate position of crosshairs is displayed.

“None” Menu Option



P82.87-2528-31

Map with display switched off

- ① Currently set map orientation

i In the Move Map function you will see other data depending on crosshairs position, for example a road name if the digital map supports this data.

Highway Information

When driving on highways, you can have the next gas stations, service areas, etc. as well as the distance to them displayed in the right-hand half of the screen.

- ▶ **To set:** Display menu system if applicable (▷ page 54).
- ▶ Select Navi → Highway Information. Depending on the previous status, the function will be switched off or on .



P82.86-9989-31

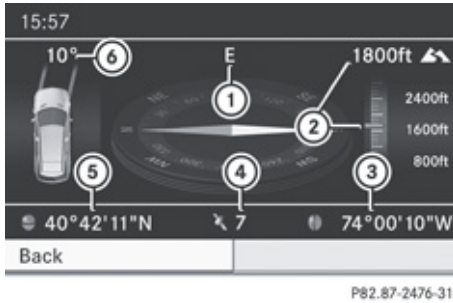
Example display: Function on

- ① Information type: Rest area
- ② Name of rest area
- ③ Distance from the current vehicle location

Compass Function

You can display a compass representation of the current vehicle position and direction.

▶ Select Position → Compass



- ① Current vehicle direction
- ② Current height above sea level (rounded to 100 ft)
- ③ Current vehicle position: longitude
- ④ Number of GPS satellites in use
- ⑤ Current vehicle position: latitude
- ⑥ Current steering angle of front wheels

i In order to display the height ② the reception of at least four GPS satellites is necessary.

▶ **To exit the menu:** Select Back

or

▶ press the **BACK** button

▶

Destination Input

Introduction to Destination Input

⚠ Warning!

For safety reasons, only enter a new destination when the vehicle is stationary.

i It is possible to enter a destination regardless of whether route guidance is active or inactive.

The following destination input options are available:

- Entering a destination via the address (▷ page 61)
- Entering a destination from the destination memory (▷ page 69)
- Entering a destination from the last destinations (▷ page 70)
- Entering a POI (▷ page 73)
- Entering a destination via the map (▷ page 70)
- Entering a stopover destination (▷ page 71)
- Entering a destination via “Search & Send” (▷ page 215)

Entering a Destination via the Address

i In some countries it is not possible to enter addresses at vehicle speeds above approx. 3 mph. The function becomes available again as soon as the speed falls below approx. 2 mph.

i Set the system language .

The following options are available for entering a destination via an address:

- Entering state/province, city/zip code and street
- Entering state/province, city and city center
- Entering state/province, city/zip code and street and house number
- Entering state/province, city/zip code and street and junction

Route calculation can then be started (▷ page 68).

Opening Enter Destination Menu

- ▶ If necessary switch to navigation mode and display menu system (▷ page 54).
- ▶ Select Destination → Address Entry. The enter destination menu appears.



Enter Destination menu

Menu Items in Enter Destination Menu

Some menu items are not available or not yet available, depending on the letters entered for the address or the data for the digital map.

Example:

After the state/province has been selected the menu items No., Center, Intersection, Save and Start are not available. Or the ZIP menu item is not available if the digital map does not contain any zip codes.

Selecting a State/Province

- ① You can only select those states/provinces that are stored in the digital map.

- ▶ Select State/Prov in the Enter Destination menu. A menu appears where you can choose one of the following lists:
 - Last States/Provinces
 - States (U.S.A.) or
 - Provinces (Canada).

▶ **To select a list:** Press or .

- ▶ Press . The selected state/province list appears.

- ▶ **To selected a state/province:** Press

or .

- ▶ Press . The Enter Destination menu appears again. The selected state/province has been entered automatically.

Entering a City

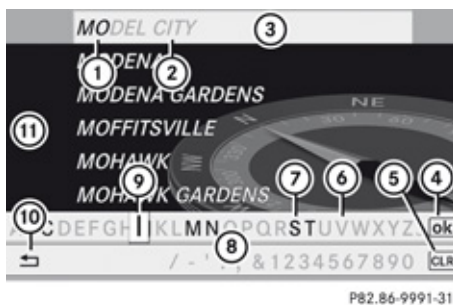
- ① You can only enter those cities that are stored in the digital map. Any zip code that has already been entered is deleted when a city is entered.

- ▶ In the Enter Destination menu, select City.

The city list is displayed with or without predictive speller. The display of the predictive speller depends on how many cities are available for the selected state/province.

City List with Predictive Speller

If this list is given in the display, the predictive speller is activated automatically.



- ① Characters entered by the user
- ② Characters automatically added by the system
- ③ List entry that best matches the characters already entered
- ④ Switches to the list without speller
- ⑤ Press and hold deletes complete entry, press briefly deletes last character
- ⑥ Currently unavailable characters
- ⑦ Currently available characters



- ⑧ Predictive Speller
- ⑨ Currently selected character
- ⑩ Cancels an entry
- ⑪ List



i In the predictive speller ⑧ you can only select characters ⑦ that are currently available. The characters that are available depends on those already entered and the data for the digital map.

When entering characters, the list entry ③ always displays a city that best matches the characters already entered.

COMAND automatically adds matching letters ② to those characters ① already entered by the user.

Entering Characters


▶ **To select characters:** Press  or .

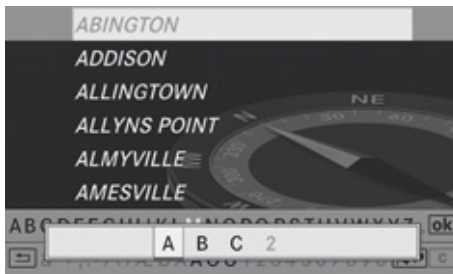
▶ Press  or  to switch between the lines in the speller.

▶ **To confirm character selection:**
Press .

Alternatively, you can enter characters using the number keypad (direct input).


Example:

▶ Press one of the number keys, e.g. , once or repeatedly in succession. After you have pressed it the first time, the character display appears at the lower edge of the display. The first letter available is highlighted.



P82.87-2454-31



You see which characters you can enter with that key. Each time you press the key, the next character is highlighted.

For example, key :

- Press once = A
- Press twice = B
- Press three times = C



Wait until the character display disappears.

Deleting an Entry


▶ **To delete individual characters:** Select  at the bottom right of the speller and press .

or



▶ Press the  button.

▶ **To delete an entire entry:** Select  and press and hold  until the entire entry has been deleted.

or

▶ Press and hold the  button until the entire entry has been deleted.

Canceling an Entry


▶ Select  at the bottom left of the speller and press .

or

▶ Press the  button.

The Enter Destination menu appears.


Accepting First List Entry

▶ Press and hold  until the Enter Destination menu appears. Here you will find the accepted list entry.

or

▶ If COMAND can match the characters entered definitively to one city. The Enter Destination menu appears automatically with the selected list entry.

Switching to the City List without Predictive Speller

If other entries for a city exist, or the name exists more than once in the system, then  is highlighted in the speller.

- ▶ Press **OK**.

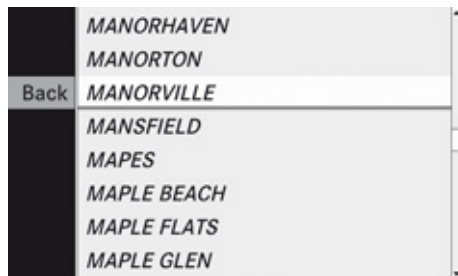
You can switch to the list at any point while entering characters.

- ▶ Press **▲** repeatedly until the list appears without the speller.

or

- ▶ Select **OK** and press **OK**.

City List without Predictive Speller



- ▶ **To select a city:** Press **▲** or **▼**.

- ▶ **To cancel selection:** Select Back and press **OK**.

or

- ▶ Press the **BACK** button.

- ▶ **To confirm selection:** Press **OK**.

The Enter Destination menu appears again in the display.

COMAND has accepted the selected city and entered it automatically in the Enter Destination menu.

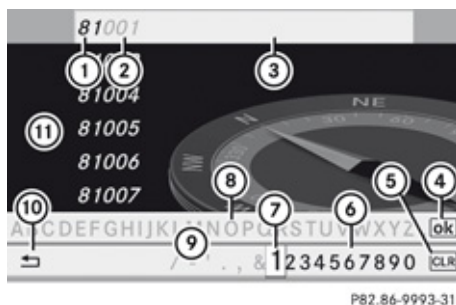
Entering a Zip Code

- i** You can only enter those zip codes that are stored in the digital map. For some countries it is not possible to enter any zip code.

- ▶ In the Enter Destination menu select ZIP. The zip code list is displayed with or without predictive speller (▶ page 62). The display of the predictive speller depends on how many zip codes are available for the selected state/province.

Zip Code List with Predictive Speller

If this list is given in the display, the predictive speller **9** is activated automatically.



- Numbers entered by the user
- Numbers automatically added by the system
- List entry that best matches the characters already entered
- Switches to list without speller
- Press and hold deletes complete entry, press briefly deletes last character
- Currently available digits
- Currently selected digit
- Currently unavailable digit
- Predictive Speller
- Cancels entry
- List

- i** In the predictive speller **9** you can only select digits that are currently available. The characters that are available depends on those already entered and the data for the digital map.

When entering a digit, the list entry **3** always displays a zip code that best matches the characters already entered. COMAND automatically adds digits **2** to those digits **1** already entered by the user.

For the steps of

- Entering characters
- Deleting an entry

- Canceling an entry
- Switching to the list without predictive speller


proceed as described under “City List with Predictive Speller” (▷ page 62).

or



If COMAND can match the characters entered definitively to one city, the Enter Destination menu appears automatically with the selected list entry.

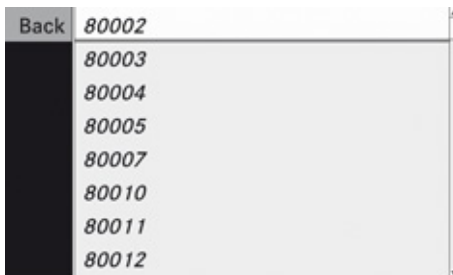
Switching to the Zip Code List without Predictive Speller

You can switch to the the list at any point while entering characters.

- ▶ Press  repeatedly until the list appears without the speller.




or

- ▶ Select  and press .



P82.86-9994-31

ZIP Code List without Predictive Speller

- ▶ **To select a zip code:** Press  or .
- ▶ **To cancel selection:** Select Back and press .

or

- ▶ Press the  button.

- ▶ **To confirm selection:** Press .

If COMAND can assign the zip code to a unique address, the Enter Destination menu is displayed again. The address data has been entered automatically. Now you can start the route calculation (▷ page 68).

If COMAND is unable to assign the zip to a unique address, the Enter Destination menu is also displayed again. The zip code has been entered automatically. To further limit the choice, you can now enter the street. When entering the street, only those streets within the area of the entered zip code are available.

Entering a Street

- ① Any city center that has already been entered is deleted when a street is entered. You can only enter those streets that are stored in the digital map.

- ▶ In the Enter Destination menu select Street.

The street list is displayed with or without predictive speller. The display of the predictive speller depends on how many streets are available for the selected city, state or province.

Street List with Predictive Speller

If this list is given in the display, the predictive speller ② is activated automatically.



P82.86-9995-31

- ① List entry that best matches the characters already entered
- ② Predictive speller

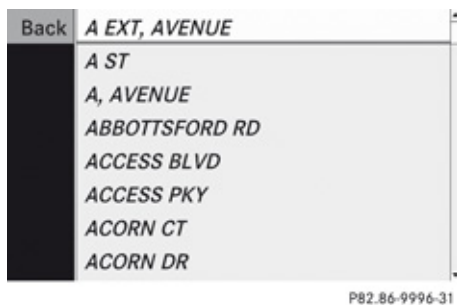
- ① In the predictive speller ② you can only select characters that are currently available. The characters that are available depends on those already entered and the data for the digital map.

For the steps of

- Entering characters
- Deleting an entry
- Accepting first list entry
- Canceling an entry
- Switching to the list without predictive speller

proceed as described under “City list with predictive speller” (▷ page 62).

Street List Without Predictive Speller



► **To select a street:** Press or .

► **To cancel selection:** Select Back and press .

or

► Press the button.

► **To confirm selection:** Press .

The Enter Destination menu appears again. COMAND has accepted the selected street and entered it automatically in the Enter Destination menu.

Now you can start the route calculation (▷ page 68).

Entering a City Center

i You can only enter those city centers that are stored in the digital map.

- In the Enter Destination menu select Center.
The city center list is displayed.



P82.86-9997-31

► **To select a city center:** Press or .

► **To cancel selection:** Select Back and press .

or

► Press the button.

► **To confirm selection:** Press .

After the confirmation, the Enter Destination menu appears again. COMAND has accepted the selected city center and entered it automatically in the Enter Destination menu.

Now you can start the route calculation (▷ page 68).

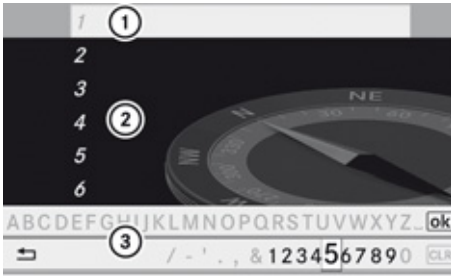
Entering a House Number

i It's not possible to enter house numbers until street has been entered. You can only enter house numbers that are stored in the digital map. The digital map does not contain all house numbers for all streets.

- In the Enter Destination menu select No. . .
The house number list is displayed with or without predictive speller. The display of the predictive speller depends on how many house numbers are available for the selected street.

House Number List with Predictive Speller

If this list is displayed, the predictive speller is activated automatically.



PB2.86-9998-31

- ① List entry that best matches the characters already entered
- ② List
- ③ Predictive speller

i In the predictive speller ③ you can only select digits that are currently available. The set of characters that is available depends on those already entered and the data for the digital map.

For the steps of

- Entering digits
- Deleting an entry
- Accepting first list entry
- Canceling an entry
- Switching to the list without predictive speller

proceed as described under “City list with predictive speller” (▷ page 62).

House Number List Without Predictive Speller



PB2.86-9999-31

► **To select a house number:** Press or .

► **To cancel selection:** Select Back and press .

or

► Press the button.

► **To confirm selection:** Press .

After the confirmation, the Enter Destination menu appears again. COMAND has accepted the selected house number and entered it automatically in the Enter Destination menu.

Now you can start the route calculation (▷ page 68).

Entering a Junction

i A junction can be entered once you have entered a street (▷ page 65). You can only enter those junctions that are stored in the digital map.

- In the Enter Destination menu select Intersection. The junction list is displayed with or without predictive speller. The display of the predictive speller depends on how many junctions are available for the selected street.

Junction List with Predictive Speller

If this list is displayed, the predictive speller ③ is activated automatically.



- ① List entry that best matches the characters already entered
- ② List
- ③ Predictive speller

i In the predictive speller ③ you can only select characters that are currently available. The set of characters that is available depends on those already entered and the data for the digital map.

For the steps of

- Entering characters
- Deleting an entry
- Accepting first list entry
- Canceling an entry
- Switching to the list without predictive speller

proceed as described under “City list with predictive speller” (▷ page 62).

Junction List Without Predictive Speller



► **To select a junction:** Press or .

► **To cancel selection:** Select Back and press .

or

► Press the button.

► **To confirm selection:** Press .

After the confirmation, the Enter Destination menu appears again. COMAND has accepted the selected junction and entered it automatically in the Enter Destination menu.

Now you can start the route calculation (▷ page 68).

Starting Route Calculation

i Route calculation can only be started once all the necessary address data has been entered.

► In the Enter Destination menu select Start.



① Destination

② Starts route calculation and then starts route guidance

If route guidance is not active yet, the route calculation is started.

If route guidance is already active, you will be prompted to confirm that route guidance should be ended.

- ▶ Select Yes or No.

If you select Yes COMAND cancels route guidance and starts the route calculation to the newly entered destination.

If you select No COMAND resumes the active route guidance.

During the route calculation, an arrow points towards the destination, and underneath the message Calculating Route . . . , for example, is displayed.

Route guidance begins after the route has been calculated (▶ page 80).

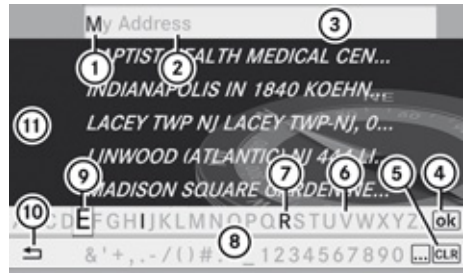
- i** Route calculation takes some time. The length of time depends on, e.g. distance to the destination. COMAND calculates the route using the digital map data. The calculated route may deviate from the actual road situation, e.g. as a result of road works or incomplete map data. Please refer to the information on the digital map (▶ page 59).

Entering a Destination from the Destination Memory

- ▶ If necessary switch to navigation mode and display menu system (▶ page 54).
- ▶ Select Destination → From Memory. If there are more than 8 entries in the destination memory, the destination memory list with predictive speller is displayed, otherwise the destination memory list is displayed without predictive speller (▶ page 70).
- i** There is always an entry in the destination memory with the name MyAddress. You can assign your home address, for example, to this entry and select it for route guidance (▶ page 90). This entry is at the top of the list in the destination memory.

Destination Memory List with Predictive Speller

If this list is given in the display, the predictive speller ④ is activated automatically.



- ① Character entered by the user
- ② Characters added by the system
- ③ List entry that best matches the characters already entered
- ④ Switches to list without speller
- ⑤ Press and hold deletes complete entry, press briefly deletes last character
- ⑥ Currently unavailable characters
- ⑦ Currently available characters
- ⑧ Predictive speller
- ⑨ Currently selected character
- ⑩ Cancels an entry
- ⑪ Destination memory list

- i** In the predictive speller ⑧ you can only select characters that are currently available. The set of characters that is available depends on those already entered and the content of the destination memory.

When entering characters, the list entry ③ always displays a city that best matches the characters already entered. COMAND automatically adds matching letters ③ to those characters ② already entered by the user.

For the steps of

- Entering characters
- Deleting an entry

- Accepting first list entry
- Canceling an entry
- Switching to the list without predictive speller

proceed as described under “City list with predictive speller” (▷ page 62).

Switching to the Destination Memory List Without Predictive Speller

If there are several entries in the destination that have similar spellings, is highlighted.

- ▶ Press .

You can switch to the list at any point while entering characters.

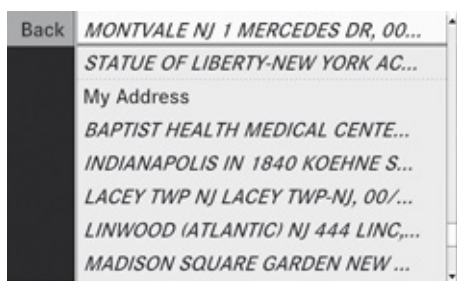
- ▶ Press repeatedly until the list appears without the speller.

or

- ▶ Select and press .

If COMAND can match the characters entered definitively to one entry, the list appears automatically without the predictive speller.

Destination Memory List without Predictive Speller



P82.87-2107-31

- ▶ **To select a destination:** Press or .

- ▶ **To cancel selection:** Select Back and press .

or

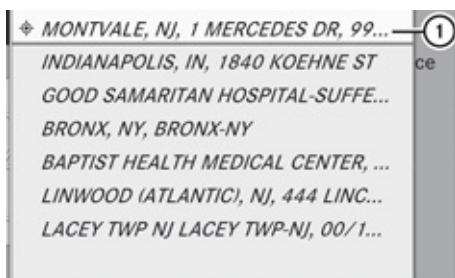
- ▶ Press the button.

- ▶ **To confirm selection:** Press .

- ▶ **To start route calculation:** Select Start.

Entering Destination from the Last Destinations

- ▶ If necessary switch to navigation mode and display menu system (▷ page 54).
- ▶ Select Destination → From Last Destinations.



P82.87-2108-31

- ① Last destination

- ▶ **To select a destination:** Press or .

- ▶ **To confirm selection:** Press .

- ▶ **To start route calculation:** Select Start.

- ① For more information on the “Last Destinations” memory go to (▷ page 94).

Entering Destination via the Map

- ① In some countries, entering destinations via the map is not possible at vehicle speeds above approx. 3 mph. The function becomes available again as soon as the speed falls below approx. 2 mph. Using the destination entry via the map, you can also enter a destination that lies within the digital map but whose address data is not included in the digital map.

Opening the Map

- ▶ If at least a city has been entered, select Map in the Enter Destination menu (▷ page 62).

or

- ▶ If necessary, display the menu system in the map display .
- ▶ Select Destination → Using Map. In both cases, the map together with crosshairs appears.

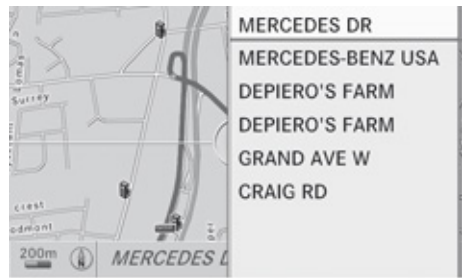


P82.87-2468-31

- ① Current vehicle location
 - ② Crosshairs
 - ③ Information on crosshairs position
 - ④ Set map scale
- i** The display ③ depends on the settings selected in “Information On Map” (▷ page 59). It may display the current road if corresponding data is available in the digital map. Or it displays the geo-coordinates position of the crosshairs if Geo-coordinates display is activated and if there is adequate GPS reception.

Moving the Map and Selecting a Destination

- ▶ **To move the map:** Press , , or .
- ▶ **To set the map scale:** Press or .
The map scale is displayed.
- ▶ **To select a destination:** Press once or repeatedly until you get a list of destinations if available.



P82.87-2109-31

- ▶ **To select a destination:** Press or .
- ▶ Press .
If the destination is within the digital map, COMAND tries to find the destination on the map.
If the destination can be found, the Enter Destination menu is displayed with the address of the destination. Otherwise you will see the entry Destination From Map.
- ▶ **To start route calculation:** Select Start.

Entering Stopover Destination

- i** When route guidance is activate, you can enter a stopover destination. Stopover destinations may be predefined destinations in the following categories suggested by COMAND for you to select:

- ATM/Cash
- Hospital
- Gas Station
- Parking Lot
- Restaurant

However, you can also enter destinations other than those that have been predefined. Select the menu item **Other** for this purpose.

You can influence the route guidance to the main destination in a specific way using the stopover function. Once the stopover destination has been reached, COMAND automatically recalculates the route to the main destination.

Entering Predefined Destinations

- ▶ If necessary switch to navigation mode and display menu system .
- ▶ Select **Destination** → **Stopover**.

No Stopover Destination available yet

- ▶ Select a category.

A Stopover Destination exists

- ▶ **To change:** Select **Change Stopover**.
- ▶ Select a category.
- ▶ Select another stopover destination.

Selecting a Predefined Category

COMAND first searches for destinations along the route within the selected category. COMAND then searches for destinations in the vicinity of the vehicle's location.

If COMAND is unable to find any destination, a message to that effect will be displayed.

- ▶ Select **OK**.
- ▶ If necessary, select another category. If COMAND finds destinations, a list is displayed in the right-hand part of the screen. Here you will find the stopover destinations in the selected category,

sorted by distance from the current vehicle location.

The list shows

- **Name**
- Information on the location of the stopover destination in relation to the direction of travel and the
- Current distance to the stopover destination.

▶ **To choose a destination:** Press or .

▶ **To select a destination:** Press .

The **Enter Destination** menu appears and displays the address of the destination.

▶ **To cancel a selection:** Select **Back**.

▶ **To start route calculation:** Select **Start**.

Entering Another Destination as Stopover Destination

▶ If necessary, switch to navigation mode and display menu system (▷ page 54).

▶ Select **Destination** → **Stopover**.

▶ **To enter:** Select **OTHER**.

Choose from:

- **Address Entry**
- **From Memory**
- **From Last Destination**
- **From POIs**

▶ Select a menu item.

The rest of the destination entry will vary depending on the selection made:

For the **Address Entry** option see: **Entering a destination via address** (▷ page 61).

For the **From Memory** option see: **Entering a destination from the destination memory** (▷ page 69).

For the **From Last Destination** option see: **Entering a destination from the last destinations** (▷ page 70).

For the **From POIs** option see:

Entering a POI (▷ page 73).

- ▶ **To start route calculation:** Select Start.

Deleting Stopover Destination

An existing stopover destination can be deleted.

- ▶ Switch to navigation mode if necessary.
- ▶ Select Destination → Stopover → Delete Stopover.
COMAND deletes the stopover destination and recalculates the route to the main destination.

POI Input

Entering a POI in Local Area of Destination

- i** It is only possible to enter a POI in the local area of the destination when route guidance is active.
- ▶ In the map display with the menu system displayed, select Destination → From POIs → Near Destination.
- ▶ Continue by selecting the POI category (▷ page 74).

Entering a POI in the Vicinity of the Location

- ▶ In the map display with the menu system displayed, select Destination → From POIs → Current Position.
- ▶ Continue by selecting the POI category (▷ page 74).

Entering a POI in the Vicinity of a Specific Location

Option 1

- ▶ In the map display with the menu system displayed, select Destination → From POIs → Other City.
- ▶ If necessary proceed as described under “Selecting a State/Province” (▷ page 62).
- ▶ **To enter a city:** Select City.
The city input menu appears.
- ▶ Proceed as described in the “Entering a City” section
- ▶ After entering the city, continue by selecting the POI category (▷ page 74).

Option 2

- ▶ Enter an address in the Enter Destination menu .
- ▶ Select POI.
- ▶ Continue by selecting the POI category (▷ page 74).

Entering POIs via Name Search

- i** This function gives you access to all POIs that are available in the digital map.
- ▶ In the map display with the menu system displayed (▷ page 54), select Destination → From POIs → Search By Name.
This displays a list of all POIs in the digital map and the predictive speller.
- ▶ Continue as described in the “POI List with Predictive Speller” section (▷ page 77).

Entering a POI via Phone Number Search

- i** This function gives you access to all POIs in the digital map stored with a phone number.

- ▶ In the map display with the menu system displayed (▷ page 54), select **Destination** → **From POIs** → **Search By Phone Number**. This displays a list of all POIs in the digital map sorted by phone number and the predictive speller.
- ▶ Continue as described in the “POI List with Predictive Speller” section (▷ page 77).

Choosing a POI Category

The categories and POIs available depend on the area for which you wish to enter set for the POI.

- POI in local area of destination: Alphabetically sorted categories and POIs sorted by distance in the vicinity of the destination location are available.
- POI in the vicinity of the location: Alphabetically sorted categories and POIs sorted by distance in the vicinity of the vehicle location are available.
- POI in a particular city: If you have only entered the country and the city, alphabetically sorted categories and alphabetically sorted POIs within the city limits are available. If you have entered more than the country and the city, alphabetically sorted categories and POIs sorted by distance in the vicinity of the address entered are available.
- POI via name search: An alphabetically sorted list of all POIs is available.
- POIs via phone number: A numerically sorted list is available.

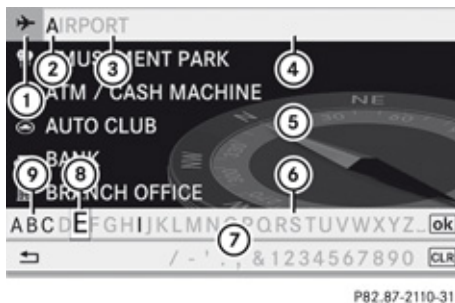
Selecting a Category

Depending on the number of available categories, the main category list is displayed

either with or without predictive speller (▷ page 75).

Main Category List with Predictive Speller

If this list is given in the display, the predictive speller ⑦ is activated automatically.








- ① Symbol for main category
- ② Characters entered by the user
- ③ Characters automatically added by the system
- ④ List entry that best matches the characters already entered
- ⑤ Main category list
- ⑥ Currently unavailable characters
- ⑦ Predictive speller
- ⑧ Currently selected character
- ⑨ Currently available characters







i In the predictive speller ⑦, you can only select characters that are currently available. The set of characters that is available depends on those already entered and the data for the digital map.

When entering characters, the list entry ④ always displays a category that best matches the characters already entered. COMMAND automatically adds matching letters ③ to those characters ② already entered by the user.



Entering characters

- ▶ **To select characters:** Press  or .
- ▶ **To switch between the lines:** Press  or .
- ▶ **To confirm character selection:**
Press .


Deleting an Entry

- ▶ **To delete individual characters:** Select  in the bottom line and press .
- or
- ▶ Press the  button.
 - ▶ **To delete an entire entry:** Select  in the bottom line and press  until the entire entry is deleted.
- or
- ▶ Press and hold the  button until the entire entry has been deleted.

Canceling an Entry




- ▶ Select Back in the bottom line and press .
- or
- ▶ Press the  button.
The previous menu appears.

Accepting First List Entry

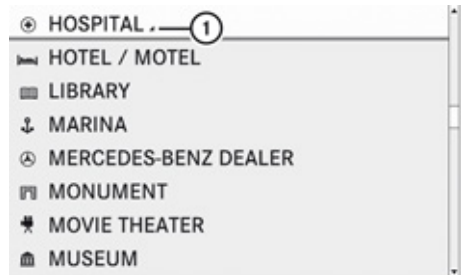
- ▶ Press and hold  until the list appears without speller.
- or
- if COMAND can match the characters entered to one entry, the list appears automatically without the speller.

Switching to the Main Category List Without Predictive Speller

You can switch to the list at any point while entering characters.

- ▶ SPress  repeatedly until the list appears without the speller.
- or
- ▶ Select  and press .





Main Category List Without Predictive Speller



P82.87-2111-31

Example: Main category list for POIs in the vicinity of the location

- ① Selected main category

- ▶ **To select a main category:** Press  or .
- ▶ **To cancel selection:** Press the  button.
- ▶ **To confirm selection:** Press .



P82.87-2112-31

- ① Calls up all entries in the RESTAURANT main category
- ② Calls up all entries in the BREWPPUB subcategory
- ③ Predictive speller


i In the predictive speller ③ you can only select characters that are currently available. The characters that are available depends on those already entered and the data for the digital map.

For the steps of


- Entering characters
- Deleting an entry
- Accepting first list entry
- Canceling an entry
- Switching to the list without predictive speller

proceed as described under “Main category list with predictive speller” (▷ page 74).

With the POI list displayed:

► **To select a subcategory:** Press  or .

► **To cancel selection:** Press the  button.

► **To confirm selection:** Press .
After selecting a subcategory you will see the list of POIs. This contains the available POIs for the subcategory that are located in the search radius.

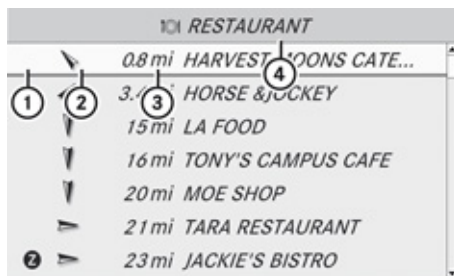
i If ALL TYPES is selected in the list, the POI list contains all the POIs in all subcategories of the RESTAURANT main category that are located in the search radius. The list item OTHER at the end of the list contains all the POIs not assigned to any subcategory in the RESTAURANT main category that are located in the search radius.

The selected main category contains no subcategories:

Selecting it immediately opens the POI list. The POI list then contains the available POIs for the main category that are located in the search radius.

POI list

As an example, the illustration below shows the POI list for the main category of RESTAURANT, subcategory BREWPUB, in the vicinity of the location.



P82.87-2113-31

- ① Direction of destination
- ② Air-line distance to the destination
- ③ Point of interest
- ④ Selected category or subcategory

i Depending on the POI category selected, COMAND uses different reference points when determining the distance to the destination:

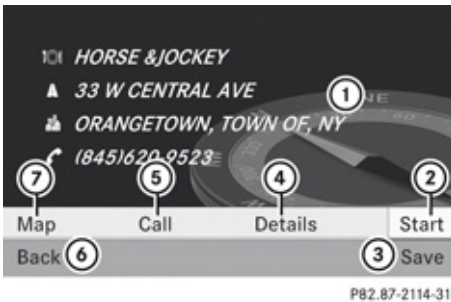
- In the vicinity of the location:
The distance to the POI from the current vehicle location.
- Local area of destination:
The distance to the POI from the destination entered.
- Other area:
The distance to the POI in the selected city from the current vehicle location.

Selecting a POI

► Select the desired POI.

The full address of the selected POI is displayed.

i If the selected POI has a telephone book entry, you can make a call to the POI.



P82.87-2114-31

- ① POI with address
- ② Starts route calculation
- ③ Saves POI as destination
- ④ Shows details of the address
- ⑤ Initiates a call, if available
- ⑥ Cancels selection
- ⑦ Displays the map

► **To cancel selection:** Press the **BACK** button.

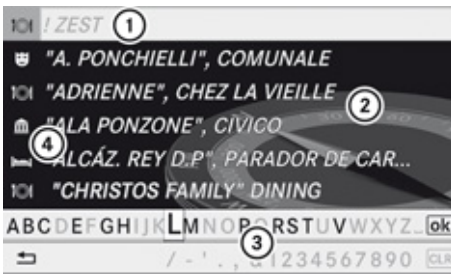
or

► Select **Back**
The POI list appears.

► **To start route calculation:** Select **Start**.

POI list with predictive speller

If you have selected **Entering a POI via a Name Search** (▷ page 73), the list of all available POIs in the digital map is displayed.



P82.87-2116-31

- ① First list entry after opening the list
- ② POI list
- ③ Predictive speller
- ④ Category symbols

i In the predictive speller ③ you can only select characters that are currently available. The set of characters that is available depends on those already entered and the data for the digital map.

For the steps of

- Entering characters
- Deleting an entry
- Accepting first list entry
- Canceling an entry

proceed as described under “Main category list with predictive speller” (▷ page 74).

Selecting a POI

To accept first list entry:

► Press and hold **OK** until the list appears without speller.

or

If **COMAND** can match the characters entered definitively to one entry, the address entry appears automatically (▷ page 76).

You can display the full address of a POI at any point while entering characters.

► Press **▲** repeatedly until the list appears without the speller.

or

► Select **ok** and press **OK**.

The full address of the POI is displayed.

► **To cancel selection:** Press the **BACK** button.

or

► Select **Back**.

The POI list appears.

► To start route calculation: Select **Start**.

ZAGAT® Rating Service

Entries with the **Z** symbol contain additional ZAGAT information. ZAGAT is a service that evaluates restaurants, for example, in different categories like food, decor, service etc., supplies the average price level (cost) and a general description.



P82.87-2118-31

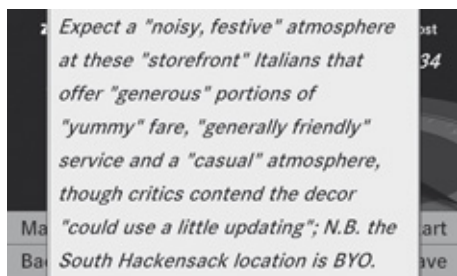
After you have selected the entry with the Z symbol the next display includes the Zagat ratings.



P82.87-2119-31

- ① ZAGAT Ratings
- ② Display details

► **To see description:** Select Details.



P82.87-2120-31

ZAGAT example description

Entering a POI via the Map

① If the crosshairs are visible on the map, you can enter POIs in the vicinity of the crosshairs. If the crosshairs are not visible, you can enter POIs in the vicinity of the current vehicle location.

► In the map display with the menu system displayed (► page 54) select Guide. POIs are available:

Depending on the map scale selected, POI symbols are displayed on the map. The scale starting at which symbols are displayed on the map varies from symbol to symbol.

You can select which symbols COMAND should display (► page 56). The POI nearest to the center of the screen is selected automatically.

No POIs available:

A corresponding message is displayed.

① This message is also displayed if the menu item No Symbols under Map Display has been selected (► page 56).

► **To confirm message:** Press **OK**.



P82.87-2121-31

- ① Information about the highlighted POI
- ② Highlighted POI

- ▶ **To select a POI:** Select Next or Previous.
- ▶ **To start route calculation:** Select Start, see also (▷ page 68).
You will be asked whether the POI should be adopted as the destination.
- ▶ Select Yes or No.
Route calculation starts if Yes is selected; a new POI can be chosen if No is selected.

Route Guidance

General Notes

Warning

COMAND calculates the route to the destination without taking into account the following, for example:

- Traffic lights
- Stop and right-of-way signs
- Lane merging
- Parking or stopping prohibited areas
- Other road and traffic rules and regulations
- Narrow bridges

COMAND may give incorrect navigation commands if the data in the digital map does not correspond with the actual road/ traffic situation. For example, if the traffic routing has been changed or the direction of a one-way road has been reversed.

For this reason, you must always observe applicable road and traffic rules and regulations during your journey. Road and traffic rules and regulations always have priority over the navigation commands generated by the system.

COMAND guides you to the destination by means of driving recommendations in the form of navigation announcements or route guidance displays.

- i** The route guidance displays only appear if the display has been switched to navigation mode.

If, for some reason, you do not follow the navigation announcements or if you leave the calculated route, COMAND automatically calculates a new route to the destination.

If the map data contains corresponding information during route guidance, COMAND tries to avoid roads with limited passability, e.g. roads that are blocked for through-traffic and are for residents only.

Time restrictions of roads (e.g. blocked on Sundays and public holidays) are only taken

into account for route guidance if the digital map contains corresponding information during the blocked time periods.

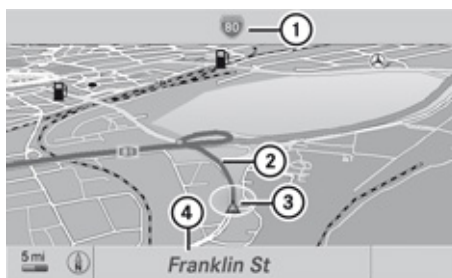
Driving Maneuver

Driving maneuvers are given in three phases:

- Preparation phase
- Announcement phase
- Maneuver phase

Preparation Phase

COMAND prepares you for the next driving maneuver. Based on the example display shown below, the announcement is made using Prepare to turn right. The display is not split and displays the map over the entire width.



- ① Point at which the driving maneuver takes place (light-blue dot)
- ② Next road to be taken
- ③ Current vehicle location, the tip of the triangle points in the vehicle's direction of travel
- ④ Road currently being driven down

- i** Depending on the basic setting selection in "Information on map" you will see in **④**
- Information on "Arrival time/distance"
 - Road currently being driven down
 - Geo-coordinate display.

If you have selected the None menu item, the display is hidden.

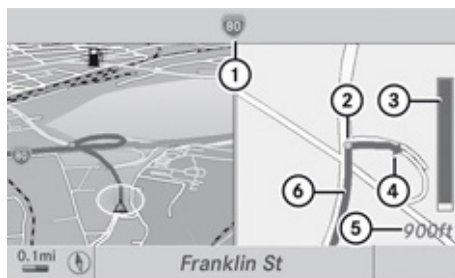
Announcement Phase

COMAND announces the imminent driving maneuver. Based on the example display shown below, the announcement is made 900 ft. ahead of the driving maneuver using Please turn right in 900 ft. and follow the 'road name'.

- i** The announced distance to the maneuver depends on the class of road and its speed limit.

The display is now split into two sectors. In the left half, you see the normal map view. The right side shows an enlarged section of the area around the junction (Crossing Zoom) or a 3D image of the road's course with the route indicating the next maneuver.

The example illustrated below shows the junction zoom in the right-hand half.



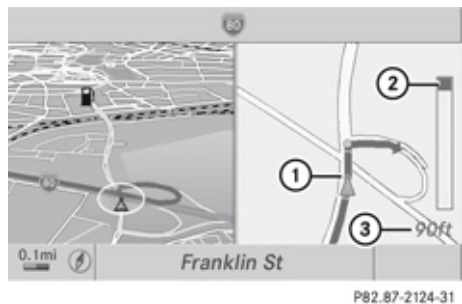
- ① Next road to be taken
- ② Point at which the driving maneuver takes place (light-blue dot, shown in the left-hand and the right-hand display)
- ③ Visual distance indicator to the driving maneuver
- ④ Driving maneuver (turn right here)

- ⑤ Distance information to the driving maneuver
- ⑥ Route (highlighted in blue, shown in the left-hand and right-hand display)

- i** The solid part of the visual distance indicator **③** reduces from bottom to top as the announced driving maneuver gets closer.

Maneuver Phase

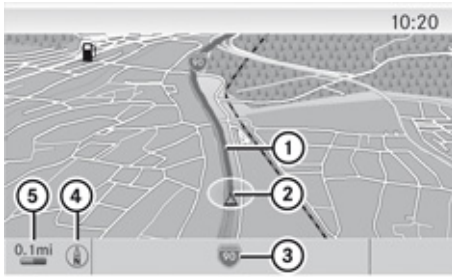
COMAND announces the imminent change of driving maneuver. Based on the example display below, the announcement is made 90 ft. ahead of the driving maneuver using Now turn right. The display is split into two halves, as in the announcement phase.





- ① Current vehicle location, tip of the triangle points in the vehicle's direction of travel
- ② Visual distance indicator to the next driving maneuver
- ③ Distance information to the driving maneuver

Once the driving maneuver is complete, COMAND will automatically switch back to full-screen display.

Example Display without Driving Maneuver



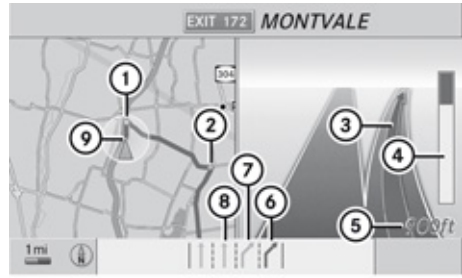
- ① Route (highlighted in blue)
- ② Current vehicle location
- ③ Road currently being driven down
- ④ Set map orientation, for explanation and setting see
- ⑤ Set map scale, for explanation and setting see

i The map may display other symbols, e.g. the destination  or the stopover destination  (if a stopover destination has been entered).

Traffic Lane Recommendations

On multi-lane roads, COMAND may display traffic lane recommendations for imminent driving maneuvers. For this there must be corresponding data available on the digital map.

With respect to the next two driving maneuvers, COMAND displays the traffic lane recommendations ⑥, ⑦ and ⑧.



- ① Point of the next driving maneuver
- ② Point of the second driving maneuver.
- ③ Next driving maneuver, exit on right here
- ④ Visual distance indicator to the next driving maneuver
- ⑤ Distance information to the next driving maneuver
- ⑥ Recommended lane
- ⑦ Possible lane
- ⑧ Lane not recommended
- ⑨ Current vehicle location, tip of the triangle points in the vehicle's direction of travel

Explanation of the Traffic Lane Recommendations

- Recommended lane ⑥:
From this lane it is possible to carry out the next two driving maneuvers without changing lanes.
- Possible lane ⑦:
From this lane it is only possible to carry out the next driving maneuver without changing lanes.
- Lane not recommended ⑧:
From this lane it is not possible to carry out the next driving maneuver without changing lanes.

Depiction of the Traffic Lane Recommendations

The color depiction of the traffic lane recommendations differs depending on

whether the display is set to day or night design.

Lane	Day design	Night design
Recommended lane ⑥	Dark blue	Light blue
Possible lane ⑦	Light blue	Dark blue
Lane not recommended ⑧	Grey	Grey

Destination or Destination Region Reached

Once you have reached your destination, a checkered flag is displayed and route guidance is ended automatically.

For certain special destinations (airports or highway intersections), you will see the Area of dest. reached message in addition to the checkered flag.

Off-road and Off-map

Warning

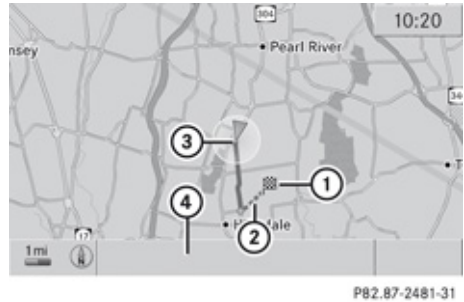
The COMAND navigation system may direct you to off-road routes that your vehicle may not be capable of traversing through without damaging your tires, wheels or vehicle. It is the driver's sole responsibility to determine the suitability of the route. Off-road routes may be of varying conditions and their appropriateness for use may be affected by various factors such as time of day, time of year and immediate weather conditions that cannot be judged or taken into consideration by the COMAND system.

Route Guidance to an Off-road Destination

COMAND can also guide you to destinations that are within the area covered by the digital

map, but are not themselves included on the map. Such destinations are off-road destinations, which you can enter, for example, by entering the destination via the map.

In this case, COMAND guides you on roads known to the system for as long as possible using navigation announcements and route guidance displays.



- ① Off-road destination
- ② Off-road route segment (dashed line)
- ③ Current vehicle location, tip of the triangle points in the vehicle's direction of travel
- ④ Off-road, no road name available

Just before reaching the last known point on the map, the message You will enter an area with unreliable map data in xx miles is announced.

When the vehicle is entering the area that is not covered by the digital map, the screen is split. On the right half of the screen an arrow appears that points to the off-road destination ① and the system announces: Please follow the arrow on the display. When the vehicle comes close to the destination the message Destination region reached is given.

Route Guidance from an Off-road Location to a Destination

If the vehicle location is within the area covered by the digital map, but the map itself does not contain any information on the location, the vehicle is in an off-road position.

COMAND can guide you from such a position to a destination.

At the start of route guidance you will see the message *Off Mapped Road*, an arrow and the distance to the destination. The arrow indicates the direction of the actual destination.

The blue marking for the route on the map starts from the nearest road known to the system.

As soon as the vehicle is travelling again on a road known to the system, route guidance continues in the usual manner.

Route Guidance from an Off-map Location to a Destination

If the vehicle location is outside the area covered by the digital map, then the vehicle is in an off-map position. COMAND can guide you from such a position to a destination.

At the start of route guidance you will see the message *Off Map*, an arrow and the distance to the destination. The arrow indicates the direction of the actual destination.

The blue marking for the route on the map starts from the nearest road known to the system.

As soon as the vehicle is travelling again on a road known to the system, route guidance continues in the usual manner.

Off-road During Route Guidance

The actual path of the road may deviate from the data in the digital map due to road works.

In cases like this, the system is temporarily not able to locate the vehicle location on the digital map; the vehicle is thus in an off-road position.

The display then shows the message *Off Mapped Road*, an arrow and the distance to the destination. The arrow indicates the direction of the actual destination.


As soon as the vehicle location is found again, route guidance continues in the usual manner.

Navigation Announcements

Warning

Navigation announcements are intended to direct you while driving without diverting your attention from the road and driving.


Please always use this feature instead of consulting the map display for directions. Consulting the symbols or map display for directions may cause you to divert your attention from driving and increase your risk of an accident.


-  During an active telephone call, the navigation announcements are suppressed.

If you have missed an announcement, you can call up the current announcement at any time.

- ▶ **To request current announcement:** select *Navi* → .

or


- ▶ In map view with the menu system displayed, select .

- ▶ **To switch off navigation announcements:** During the announcement, press and hold the  button.

You will briefly see the message: *The driving instructions have been muted.*

- ▶ **To switch navigation announcements back on manually:** Select *Navi* → .

or

- ▶ Select  in map view with the menu system displayed.

or


- ▶ Start a new route calculation .

or

- ▶ If COMAND is switched on again or the engine is restarted.

- ▶ **To set the volume of the announcements:** Set the volume during the automatic announcement .

or

- ▶ Call up an announcement manually using Navi →  and adjust the volume.

Canceling Route Guidance

- ▶ In the map display with the menu system displayed select Destination → Cancel Route Guidance.

Resuming Route Guidance

- ▶ Select Destination → Continue Route Guidance in map view with the menu system displayed. COMAND calculates the route.

Detour Function

- ▶ **i** The Detour function blocks a route segment ahead. You can set the length of the block. COMAND calculates a detour route if possible.
- ▶ Select Route → Detour in map view with the menu system displayed .
- ▶ **To set the length of block:** Select Longer or Shorter repeatedly until the required length is set. The blocked segment is highlighted in red/white on the map. Shown at the top of the display is the length of the blocked segment and the route segment to which the block goes.
- ▶ **To cancel the function:** Select Back.

- ▶ **To start route calculation:** Select Start, see also .

- ▶ **To change a block:** Select Navi → Route → Detour → Change.

- ▶ **i** If a block already exists, the message Detour Already Set is displayed. You can then change or delete this.

- ▶ Then set length of block.

- ▶ **To delete block:** Select Navi → Route → Detour → Delete.

- ▶ **i** If a block already exists, the message Detour Already Set is displayed. You can then change or delete this.

Alternative Route

- ▶ **i** You can have other routes calculated for the original route guidance using the Alternative Route function.

- ▶ In the map display with the menu system displayed select Route → Alternative Route.

The display is split into two halves. On the left is the map, which displays one or more alternative routes between the start and the destination. The current route is highlighted in dark blue, other alternative routes are light blue.

The right side of the display shows information on the active alternative route, e.g. length of the segment and the estimated time of arrival.

- ▶ **To select next or previous alternative route:** Select Next or Previous. The selected route is now highlighted in dark blue.
- ▶ **To return to the original route guidance:** Select Back.
- ▶ **To start route guidance with the selected alternative route guidance:** Select Start.

Route Browser

i The route browser provides an overview of the route. You can move along the route segment by segment using the route browser and view information and details about the route segments.



► In the map display with the menu system displayed, select Route → Route Browser.

The route browser is in the display.

The top of the display shows information on the highlighted route segment, e.g. the road and the segment of the road to be driven.

The highlighted route segment is identified on the map by its white color and red edge.

► **To display next or previous route segment:** Select Next or Previous.

► **To enlarge or reduce the map display:** Select  or .

► **To close route browser:** Select Back.

Displaying Destination Information



► In the map display with the menu system shown, select Route → Destination Information.

The destination information is given in the display.



P82.87-2127-31

Example display with main destination and stopover destination

- ① Distance/estimated time of arrival/estimated journey time to the stopover destination
- ② Stopover destination 
- ③ State and City
- ④ Main destination 
- ⑤ Distance/estimated time of arrival/estimated journey time to the main destination

i When calculating the estimated time of arrival, COMAND uses the time set on the COMAND as its basis. For this reason, the time on COMAND must be set correctly. The calculation of the estimated time of arrival does not specifically take into consideration whether it is summer time or standard time at the destination. It is not taken into consideration whether or not the destination is in a different time zone. The distance to the destination, the estimated time of arrival and the estimated remaining journey time ①, ⑤ are not displayed until the route calculation is complete.

► **To close the destination information:**

Press  or .

or

► Press the  button.

Traffic Messages

i Optional satellite radio equipment and a subscription to a satellite radio service provider are required for the satellite radio reception referred to here. You can find more information on SatRadio in chapter “Satellite Radio” (> page 125).

COMAND can receive and incorporate traffic messages via satellite radio into the navigation system. Traffic report messages and map symbols can then be viewed in the COMAND display.

Real-Time Traffic Notifications in the Map

COMAND can display certain traffic events in the map. The notifications are shown in the map scale range from 0.05 mi to 20 mi.





► Press or until the required map scale is set.



- ① Marker symbols for the affected route section
- ② Symbol for event on the route
- ③ Current vehicle position and direction of travel
- ④ Marker symbols for the extension of the affected route section
- ⑤ Map scale

Real-Time Traffic Notification Symbols

Symbol	Description	Traffic Notifications in Map Display	Traffic Report Lists	Traffic Report Message
	Warning (red)	(Not possible)	Appears with warning entry type	Appears with warning entry type
	Incident (yellow)	(Not possible)	Appears with incident entry type	Appears with incident entry type
	Traffic jam on route (stop and go)	Appears at the beginning of traffic congestion from the driver's point of view if route guidance is active and route goes through congested area. Yellow car symbols could appear in combination with this symbol.	Appears with traffic jam on route (stop and go) entry type	Appears with traffic jam on route (stop and go) entry type

Symbol	Description	Traffic Notifications in Map Display	Traffic Report Lists	Traffic Report Message
	Traffic jam on route	Appears at the beginning of traffic congestion from the driver's point of view if route guidance is active and route goes through congested area. Red car symbols could appear in combination with this symbol.	Appears with Traffic jam on route entry type	Appears with Traffic jam on route entry type
	Blocked section on route	Appears at the beginning of a blocked area from the driver's point of view if route guidance is active and route goes through blocked area. XX XX symbols could appear in combination with this symbol.	Appears with Blocked section entry type	Appears with Blocked section entry type
	Traffic jam (stop and go) (yellow car)	Traffic congestion, average speed 25 – 45 mph. Could appear repeatedly to indicate length of traffic congestion.	(Not possible)	(Not possible)
	Traffic jam (red car)	Traffic congestion, average speed 5 – 20 mph. Could appear repeatedly to indicate length of traffic congestion.	(Not possible)	(Not possible)
XXXX	Blocked section	Road impassable. Could appear repeatedly to indicate length of blocked area	(Not possible)	(Not possible)

Displaying Real-Time Traffic Reports

- ▶ If necessary, switch to navigation mode and show the menu system (▷ page 54).
- ▶ Select Traffic.

COMAND searches for SatRadio channels sending traffic messages. You will see a dialogue box displaying the message No Traffic Messages.

This either means:

- Messages were not yet received
 - there are no messages available
- ▶ **To cancel the search:** Select Cancel.
 - ▶ **To close the message:** Select OK

If there are traffic reports, you will see a list. The content of the list varies depending on whether route guidance is active or not.

List When Route Guidance is not Active

The list shows all the roads, areas or regions for which messages are available.



P82.87-2483-31

- ① Icon for warning message
- ② Country designation
- ③ Road concerned

❗ A traffic message may also concern an area or region rather than a road, e.g. impaired visibility due to fog.

► **To read a traffic report:** Select a road, an area or region.



► **To display all messages:** Select Display All Messages.

You will see a list of all roads, areas or regions for which reports are available, including those that do not affect the route.



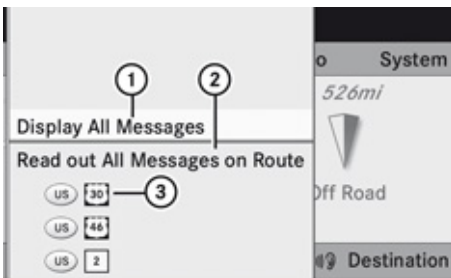
P82.87-2488-31

► **To display a traffic message:** Select a road, area or region from the list.

► **To close the list:** Press the  or  button once or repeatedly.

List When Route Guidance is Active

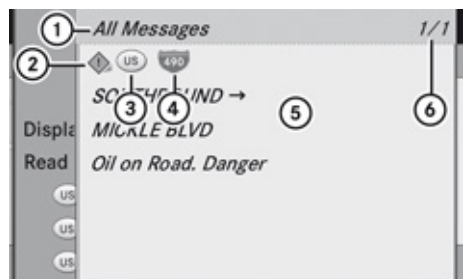
The list first shows roads, areas or regions on the route for which there are traffic reports.



P82.87-2487-31





- ① To display all traffic messages (including those not concerning the route)
- ② To have traffic reports read aloud, see the read-aloud function (► page 90)
- ③ Affected roads, areas or regions (only available when there are traffic messages for the route)

Example of a Traffic Message



P82.87-2489-31

- ① Depending on your selection: Messages on the Route or All Messages
- ② Icon for message type, e.g. warning message
- ③ Country designation
- ④ Road, area or region for which there is a message
- ⑤ Text of message
- ⑥ Message 1 of 1 for the road affected

- ▶ **To scroll within the message or to the next message:** SPress  or .
- ▶ **To return to the message list:** Press  or .

Read-aloud Function

The read-aloud function is only available when route guidance is active. It can read out traffic reports relating to the route. You can set the language (▷ page 40) and the read-aloud speed (▷ page 41).

- ▶ If necessary, switch to navigation mode and show the menu system (▷ page 54).
- ▶ Select Traffic → Read aloud All Messages on Route.

COMAND reads out the messages in sequence.

- i** The Messages on the Route menu item has no function if there are no messages relating to the route.

- ▶ **To cancel read-out of current message:** Select Cancel Read-aloud Function.


or

- ▶ Press the  button.

COMAND reads the current message aloud and then ends the read-aloud function.

Destination Memory

Home Address


- i** The destination memory always contains an entry named My address which is at the top of the list. You may wish to assign your home address to this entry, for example. If the My address ( icon) entry already contains data that can be used for navigation, you can select it for route guidance.

Assigning Home Address for First Time or Changing



- ▶ If necessary, switch to navigation mode and display the menu system (▷ page 54).
- ▶ Select Destination → From Memory. If there are more than 8 entries in the destination memory, the destination memory list with predictive speller is displayed, otherwise the destination memory list is displayed without predictive speller (▷ page 69).
If the list appears without the input characters, the entry My address is highlighted automatically.



Switching to the Destination Memory List Without Predictive Speller

- ▶ Press  repeatedly until the smart speller disappears.
The entry My Address is highlighted automatically unless you have entered a character using the predictive speller.

If characters have been entered using the predictive speller:

- ▶ Press  in the list until the My Address entry is highlighted.
- or
- ▶ **To assign an address for the first time:** Press and hold  until the speller disappears.
The entry My Address is highlighted automatically in the list.

- ▶ **To exit the menu:** Select Back.
Subsequent operation depends on whether you enter the address or wish to use an address book entry that can be used for navigation as My address.

Entering or Changing Your Address

- ▶ If necessary, change to the destination list without speller.
- ▶ **To enter the address for the first time:**
Press **OK** and select New Entry.
- ▶ **To change the address:** Select Options → New Entry.
In both cases, the address input menu appears.
- ▶ Enter the address. Proceed in the same way as you would enter a destination as described in the "Entering a destination by address" section (▷ page 61).
- ▶ Select Save after you have entered the address.
COMAND then stores the entry. You will see a message and then the address menu with the selected address. Start is highlighted automatically.

Using an Address Book Entry as Home Address


- ▶ If necessary, change to the destination list without speller (▷ page 90).
- ▶ **To assign an address for the first time:**
Press **OK** and select Assign Address Book Entry.
- ▶ Select Home or Work.
- ▶ **To change home address:** Select Options → Assign to Address Book Entry.
- ▶ Select Home or Work.
- ▶ In both cases you will see either a list or, with more than 8 address book entries, the search menu with smart speller.
- ▶ Select the desired address book entry.
Proceed as described in the "Searching for

an address book entry" section (▷ page 111).

- ▶ **i** Information on how to link address book entries with navigation data can be found in "Assigning a destination to an address book entry" (▷ page 93).

- ▶ **To confirm your selection:** Press **OK**.
An address is assigned for the first time: COMAND then stores the entry. You will see a message and then the address menu with the selected address. Start is highlighted automatically.
The address is changed:
A prompt appears, asking if you really wish to overwrite My Address.
- ▶ Select Yes or No.
If you select Yes, COMAND overwrites the destination. You will see a message and then the address menu with the selected address. Start is highlighted automatically.
If you select No, the list will reappear.

Selecting Home Address for Route Guidance

- ▶ **i** If the My Address ( icon) entry already contains data that can be used for navigation, you can select it for route guidance. If not, then first assign a destination to this entry (▷ page 90).
- ▶ If necessary, switch to navigation mode and display the menu system (▷ page 54).
- ▶ Select Destination → From Memory.
If more than 8 entries are listed in the destination memory, the destination list appears with input characters, otherwise the destination list appears without the smart speller.

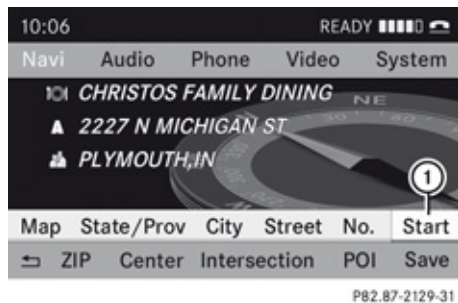
► Destination memory with smart speller:

Press repeatedly until the list appears without the smart speller.

or

► Select at the bottom right in the smart speller.

► Destination memory list without input characters: Press



① Start route calculation to your address

You will see the address entry menu with the address data for your own address. Start is highlighted automatically.

Starting Route Calculation

► Press .

Once the route has been calculated, route guidance begins (▷ page 80).

Storing a Destination in the Destination Memory

i This function also stores the destination in the address book. COMAND creates an address book entry that contains the complete, navigable address data. You can then select this entry in the address book and start route guidance to the address from there.

After the Address Has Been Entered

► Select Save after you have entered the address in the address input menu. You can now select storage options.

During Route Guidance

► If necessary, show the menu system (▷ page 54).

► Select Destination → Save Destination. You can now select storage options.

Accepting from the Last Destinations

► Show the menu system, if necessary (▷ page 54).

► Select Destination → From Last Destinations. The list of previous destinations appears.

► **To select a destination:** Press or .

► **To confirm the destination:** Press . The address of the destination is displayed.

► Select Save.

or

► Select a destination and then select Options → Save. In both cases, you can then select memory options.

Selecting Memory Options

Saving Destination Without Name

► Select Save Without Name. COMAND stores the destination in the destination memory and uses the address as the destination name.

or

► Select Save as My Address. COMAND stores the destination in the destination memory as My Address.

If the selected address book entry already contains address data that can be used for navigation (📍 icon), a prompt will appear asking whether you wish to overwrite the existing data.

- ▶ Select Yes or No.
After selecting Yes, the Saving Procedure Successful message appears; selecting No cancels the procedure.

Saving Destination With Name

- ▶ Select Save With Name.
- ▶ Select the category desired, e.g. Home.
The input menu containing data fields and input characters appears.



- ① Selected data field with cursor
- ② Predictive speller

- ▶ **To enter data:** Continue with the step "Changing Data Field" in the "Creating a New Address Book Entry" section (▷ page 110).
COMAND stores the destination under the name entered.

Assigning Destination to an Address Book Entry

- ❗ This function assigns the complete, navigable address data to an existing address book entry. You can then select this entry in the address book and start route guidance to the address from there.
- ▶ Select Assign to Address Book Entry.

- ▶ Select the desired category, e.g. Home.
In both cases you will see either a list or, with more than 8 address book entries, the search menu with smart speller.
- ▶ Select the desired address book entry.
Proceed as described in the "Searching for an Address Book Entry" section (▷ page 111).
COMAND stores the data if the address book entry selected does not yet contain navigable address data.
If the selected address book entry already contains address data that support navigation, you will be prompted to confirm that you wish to overwrite the existing data.
- ▶ Select Yes or No.
If you select Yes, COMAND saves the data.

Deleting Destination Home Address Entry from the Destination Memory

- ▶ If necessary, switch to navigation mode and display the menu system (▷ page 54).
- ▶ Select Destination → From Memory.
If more than 8 entries are listed in the destination memory, the destination list appears with input characters, otherwise the destination list appears without predictive speller.
- ▶ Select the destination you are looking for.
Proceed as described in the "Entering a Destination from the Destination Memory" section (▷ page 69).
- ▶ Select Options → Delete.
A prompt appears asking whether you wish to delete the destination.
- ▶ Select Yes or No.
If you select Yes, COMAND deletes the destination. You see a corresponding message.
- ❗ If the address data, which support navigation, for the destination to be deleted has also been assigned to an address book

entry, COMAND deletes this data there, too. If the corresponding address book entry does not contain any other data, e.g. phone numbers, COMAND deletes the entire address book entry.

Last Destinations

- i** COMAND automatically saves the last destinations used for the last route calculation. If the memory is full, COMAND deletes the oldest destination. You can also save a destination from the last destinations to the destination memory. Here it is saved permanently.

Saving a Destination Permanently in the Destination Memory

- ▶ Proceed as described in the “Accepting from the Last Destinations” section (▷ page 92).

Saving the Vehicle Position in the List of Last Destinations

- ▶ If necessary, switch to navigation mode and display the menu system (▷ page 54).
- ▶ Select Position → Save Vehicle Position.
COMAND saves the current vehicle position as a destination in the list of last destinations.

Saving the Crosshair Position in the List of Last Destinations

- i** A crosshair appears on the map if you have moved the map manually. You can store the crosshair position as a destination in the list of last destinations.

- ▶ **If necessary, display the menu system:**
Press **OK**.

- ▶ Select Position → Save Crosshair Position.

Or, if route guidance is active:

- ▶ **If necessary, display the menu system:**
Press **OK**.

- ▶ Position → Destination Position Map
You will see the map with a crosshair at the destination.

- ▶ **To display the menu system:** Press **OK**.

- ▶ Select Position → Save Crosshair Position.
COMAND saves the crosshair position as a destination in the list of last destinations.

Deleting One of the Last Destinations

- ▶ If necessary, switch to navigation mode and display the menu system (▷ page 54).
- ▶ Select Destination → From Last Destinations.
The list of last destinations appears.
- ▶ Select the desired destination.
- ▶ Select Options → Delete.
A query appears.
- ▶ Select Yes or No.
If you select Yes, COMAND deletes the destination. You see a corresponding message.

Safety Precautions	96
General Information	96
Activating the Mobile Phone	97
Submenu Overview	100
COMAND Phone Book	101
Call Lists	104
Making Calls	107
Address Book	109

Safety Precautions

Warning

Some jurisdictions prohibit the driver from using a cellular telephone while driving. Whether or not prohibited by law, for safety reasons, the driver should not use the cellular telephone while the vehicle is in motion. Stop the vehicle in a safe location before placing or answering a call.

If you nonetheless choose to use the mobile phone while driving, please use the handsfree feature and be sure to pay attention to the traffic situation at all times. Use the mobile phone only when road, weather and traffic conditions permit. Otherwise, you may not be able to observe traffic conditions and could endanger yourself and others.


Bear in mind that at a speed of just 30 mph (approximately 50 km/h), your vehicle is covering a distance of 44 feet (approximately 14 m) every second.

Warning

You and others may damage your health due to excessive electromagnetic radiation. By using an external antenna, the possible health risks of electromagnetic fields, which are under discussion among the scientific community, should be largely prevented.

General Information

Vehicle Equipment

-  This Operator's Manual describes all features, standard or optional, potentially available for your vehicle at the time of purchase. Please be aware that your vehicle might not be equipped with all features described in this manual.

Making Calls via Bluetooth® Interface

The telephone function via the Bluetooth® interface is available in conjunction with a Bluetooth-enabled mobile phone.

With a suitable mobile phone, you can use COMAND's hands-free feature to download electronic business cards (vCards) via the Bluetooth® interface. Further information on suitable mobile phones and connecting Bluetooth-enabled mobile phones to COMAND is available via the Internet at www.mbusa-mobile.com.

Interruptions to the Connection While Driving

Interruptions to the connection may occur if

- there is inadequate GSM network coverage in certain regions
- you are switching from one GSM transmitting/receiving station (GSM cell) to another and there is no voice channel available in this cell
- you are using a SIM card that is not compatible with the available network
- when using a mobile phone with "Twincard", the mobile phone is simultaneously logged into the network with the second SIM card.

Operating Options

If the mobile phone is connected with COMAND via the Bluetooth® interface, you can operate the phone using the following devices:

- Keypad on the COMAND control unit
- Multifunction steering wheel
- Voice Control

The explanations in this section assume that the mobile phone is connected to COMAND

via the Bluetooth® interface. Exceptions are explicitly described.

Functional Restrictions

Under the following circumstances, the phone may not yet be useable:

- If it is not yet logged into a network. The phone will try independently to log into a network. If no network is available, you will not be able to make “911” emergency calls. If you try to make an outgoing call, the message No Service appears briefly.

Activating the Mobile Phone

Mobile Phone With Bluetooth® Interface

Prerequisites for the Mobile Phone

For making calls using COMAND via the Bluetooth interface, you will need a Bluetooth-enabled mobile phone.

- ❗ Not all mobile phones available on the market are comparably suitable. Further information on suitable mobile phones and connecting Bluetooth-enabled mobile phones to COMAND is available via the Internet at www.mbusa-mobile.com.

Activating Bluetooth®

Before you begin activation of your mobile phone connection via the Bluetooth interface please ensure it is compatible with Bluetooth handsfree profile 1.0 (▷ mobile phone operating guide):

- ▶ Switch on the mobile phone and enter the PIN, if applicable (▷ mobile phone operating guide).
- ▶ Activate Bluetooth connection on the mobile phone (▷ mobile phone operating guide).

- ❗ On certain mobile phones, not only do you have to activate the Bluetooth function but the device must also be made “visible” for other devices.

Each Bluetooth device has a Bluetooth device name. It is recommended to give the device a personal name, by which you can clearly recognize your mobile phone.

- ❗ If the Bluetooth function on the COMAND is switched off, the message Bluetooth not activated in system settings appears.

- ▶ Activate Bluetooth connection on COMAND .

Registering a Mobile Phone (Authorizing)

When you use your mobile phone in conjunction with COMAND for the first time, you must register (authorize) it.

It is possible to register several mobile phones. The connection is always established to the mobile phone that was activated last. When you authorize a new mobile phone, it is activated automatically. You can switch between the authorized mobile phones (▷ page 99).

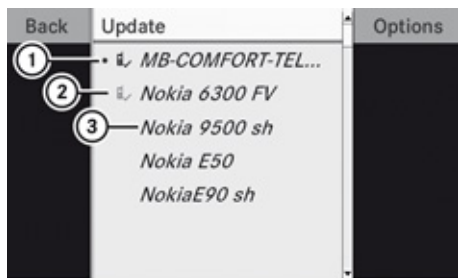
Searching for a Mobile Phone

- ▶ In the phone submenu select Phone → Phone List → Update.
COMAND searches for suitable Bluetooth phones within range and enters them in the phone list.

- ❗ The duration of the search procedure depends on the number and type of Bluetooth phones. The search may take a few minutes.

When first entering the device list and before running an update, the black dot ● indicates the active phone (found and authorized).

After running an update:



P82.87-2131-31

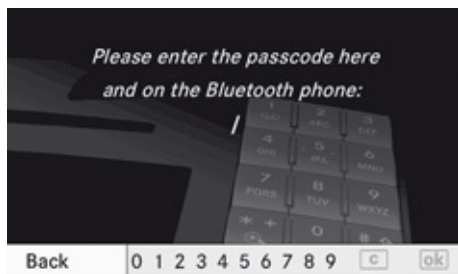
- ① The check marks ✓ indicate if a phone has been authorized (black) or not (grey)
- ② Device not within range but previously authorized (☐, appears in grey)
- ③ Phone icons indicate if a phone is found (black) or not (grey)

i If the device list already contains ten authorized devices, you must de-authorize one of the authorized devices (▷ page 99). You will then have to switch this device off and start the search again. Otherwise the new device you are looking for will not appear in the list.

▶ **To start search again:** Select Update

Entering Passcode

- ▶ Select the as yet unauthorized device (no check mark yet) from the list.
 - ▶ Select Options → Authorize
- or
- ▶ Press **OK**.
 - ▶ The input menu for the passcode appears.



P82.87-2463-31

i The passcode is any number chosen by you between one and sixteen digits in length. We recommend to use at least four digits because this improves the quality of the encryption during connection. The passcode can differ during each authorization for each device. You must enter the same number on COMAND and on the device to be authorized. Please also refer to the instructions in the mobile phone operating guide.

▶ **To enter from COMAND:** Select the digits in the menu bar one after the other.

▶ **To correct entry:** Select **CLR**.

▶ **To cancel entry:** Select Back.

▶ **To confirm entry:** Select **ok**.

If a Bluetooth connection is established successfully, you will be prompted to enter a code on the mobile phone (▷ mobile phone operating guide).

- ▶ Enter the same passcode on the mobile phone as you did on COMAND. The device is authorized. You can now make calls via COMAND's hands-free device using the authorized mobile phone.

External Authorization








If COMAND cannot find your mobile phone, this may be due to special security settings on your mobile phone. In this case, you can check whether, conversely, your mobile phone can find COMAND.

COMAND's Bluetooth device name is "MB Bluetooth".

- ▶ In the phone submenu select Phone → Phone List → Update → Options → External Authorization.
- ▶ Start the Bluetooth search on the mobile phone (▷ mobile phone operator's guide).

- ▶ Select COMAND (“MB Bluetooth”) on the mobile phone.
- ▶ When prompted to do so, enter the passcode on the mobile phone and on COMAND.

Displaying Details on a Mobile Phone

- ▶ In the phone submenu select Phone → Phone List.
 - ▶ Select the mobile phone from the list.
 - ▶ Select Options → Details.
The details screen for the device is displayed.
 - ▶ **To close the details screen:** Press , , ,  or .
- or
- ▶ Press the  or the  button.


Deregistering (De-Authorizing) a Mobile Phone

- ▶ In the phone submenu select Phone → Phone List.
 - ▶ Select the authorized mobile phone.
 - ▶ Select Options → De-Authorize.
You will be asked whether the device should really be de-authorized.
 - ▶ Select Yes or No.
If you select Yes, the authorization of the device is withdrawn.
- i** If the authorization of a device, which had been authorized in the past, has been withdrawn and it is no longer found in the search, the device list no longer includes this device.

Activating Another Mobile Phone

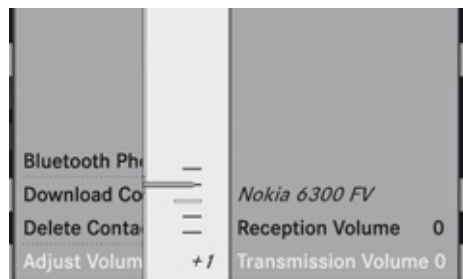
If you have authorized several mobile phones, you can switch between the individual mobile phones.

When you authorize a new mobile phone, it is activated automatically. Only one mobile phone is active at a time.




- ▶ Select Phone → Phone List.
 - ▶ Select the mobile phone from the list.
 - ▶ Press .
- The selected mobile phone is activated if the selected mobile is within reception range and its Bluetooth function is switched on. Any previously activated phone is deactivated.

Setting Transmit and Receive Volume

- i** These settings should normally not be changed as the factory settings are matched to most mobile phones.
- i** Changes may result in significant impairments to the transmission quality. These settings may not be changed during an active phone call.
- ▶ In the phone submenu select Phone → Adjust Volume.
 - ▶ Select Reception Volume or Transmission Volume.
- i** Reception volume and Transmission only appear for authorized devices.



P82.87-2132-31

- ▶ **To set the volume:** Press  or .
- The red bar moves up or down.
- ▶ **To confirm selection:** Press .

“911” Emergency Call

Warning


The 911 emergency call system is a public service. Using it without due cause is a criminal offense.

The following conditions must be met for a “911” emergency call:

- Phone switched on
- Mobile phone network available
- Valid SIM card in the phone (not required on all mobile phone networks)
- Mobile phone connected with COMAND via Bluetooth®

If you are unable to make an emergency call, you will have to initiate rescue measures yourself.

The “911” emergency number is a public service. Any abuse is punishable by law.




- ▶ Enter the digits on the COMAND control unit (▷ page 107).
- ▶ Press the  button. The phone establishes the connection.
- ▶ Wait until the emergency call center answers, then describe the emergency.

Submenu Overview

Name	Phone	Call lists or Mic On/Off
Displays the COMAND phone book	Phone list	Displays or deletes call lists
	Download Contacts	Switches hands-free microphone on/off (during a call)
	Delete Contacts	
	Adjusts the Volume	


Phone Main Menu

Switching to Phone Mode


- ▶ Press the function button  on the COMAND control unit.
-  If you press the  button with the phone main menu already open, the call list “Calls Dialed” appears (▷ page 104).

or

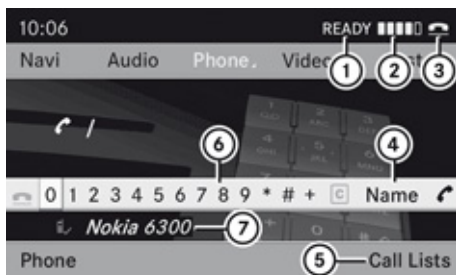
From another Main Function

- ▶ Select Phone → Phone → Phone.
-  If phone mode was active last, you only need to select “Phone”.

Within the Phone Function

- ▶ Select Phone → Phone.
- or
- ▶ In the phone mode press the  button repeatedly until the phone main menu appears.

Phone Menu



P82.87-2491-31

- ① Phone service status
- ② Signal strength (if provided by phone)
- ③ Call status
- ④ Displays COMAND phone book
- ⑤ Displays call list selection
- ⑥ Speller with characters for entering phone numbers
- ⑦ Device name of the connected mobile phone

COMAND Phone Book

The COMAND phone book is an extract of entries from the address book. All the COMAND address book entries having at least one phone number can be found in the COMAND phone book.

- i** For many operating functions you can also use the buttons on the multifunction steering wheel, e.g. the , , , , , or buttons, for selecting a menu, scrolling through lists or initiating or ending a call (▷ page 24).

Opening COMAND Phone Book

- ▶ Open the phone main menu (▷ page 100).
- ▶ Select Name.
The COMAND phone book is displayed.



P82.87-2492-31

- ① Address book entry
- ② Calls up options
- ③ Search speller
- ④ Closes phone book
- ⑤ symbol for voice tag

Address book entries may have the symbol ⑤. An additional voice tag is saved with these entries.

If an address book entry has the symbol then this has more than one phone number. You can select these subentries (▷ page 101).

- ▶ **To close phone book:** In the search speller select the symbol .

or

- ▶ Press .

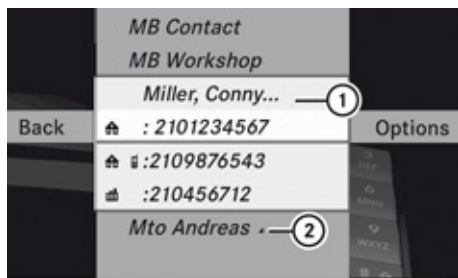
Selecting an Entry

Selecting via List

- ▶ Press or until the desired entry is highlighted.
- ▶ **To confirm selection:** Press .

Selecting Subentries

- ▶ Select a phone book entry with the icon and press .
- The subentries appear. The icon changes to .



P82.87-2493-31

- ① Expanded phone book entry
 ② Phone book entry with subentries

- ▶ Press or and select the desired sub-entry.

Displaying Details on an Entry

COMAND can also fully display an abbreviated entry.

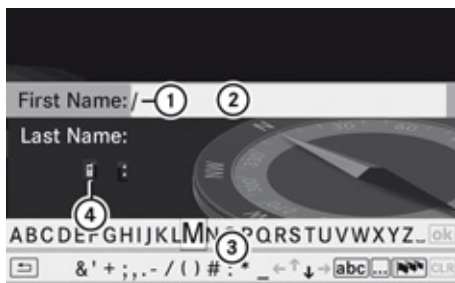
- ▶ Select entry.
 ▶ Select Options → Details.
 The details screen appears.
- ▶ **To close details screen:** Press or repeatedly until the entry is highlighted again.
- or
- ▶ Press the button.

Initiating Call to an Entry

- ▶ Select entry (▷ page 101).
 ▶ Press .
- or
- ▶ Press the button on the COMAND control unit.

Creating a New Entry

- ① When a new entry is added through the COMAND phone book, it is saved to the address book.
- ▶ Select Options → New Entry in the COMAND phone book.
- ▶ Select a number category, e.g. Home.
- ▶ Select a telephone category, e.g. Mobile Phone.
- ▶ Select Save.
 The input menu with data fields appears.



P82.87-2494-31

- ① Cursor
 ② Data field
 ③ Predictive speller
 ④ Selected phone category

Switching Data Field

- ▶ Press repeatedly until the smart speller disappears.
- ▶ Then press or to select desired field and press .
- or
- ▶ Select or in the speller.
 The input menu displays the data field selected.

Entering Data into a Field

- ▶ Select all the characters one after the other in the predictive speller ③.

i The predictive speller provides the characters corresponding to the selected data field.

- ▶ **To switch predictive speller to upper or lower case characters:** Select **[ABC]** or **[abc]**.
- ▶ **To switch predictive speller character set:** Select **[...]**.
Every time this is selected it switches the character set.
- ▶ **To change the predictive speller language:** Select **[🌐]**.
- ▶ Press **[▲]** or **[▼]** until the desired language is highlighted and then press **[OK]**.
- ▶ **To move the cursor in the data field:** Select **[←]** or **[→]**.

Deleting an Entry

- ▶ **To delete individual characters:** Select **[CLR]** and briefly press **[OK]**.
- or
- ▶ Press the **[CLR]** button.
The character to the left of the cursor is deleted.
 - ▶ **To delete an entire entry:** Select **[CLR]** and press **[OK]** until the entire entry has been deleted.
- or
- ▶ Press the **[CLR]** button and hold it until the entire entry is deleted.

Cancelling an Entry

- ▶ Select **[↩]**.
- If one of the data fields contains data, a prompt will appear asking whether you wish to store the entry.
- ▶ Select Yes or No.
The entry will either be stored or not, depending on your selection.

Saving an Entry

- ▶ Select **[OK]**.
A corresponding message is displayed.

Deleting Entry

The deletion rules vary according to the entry selected:

- Phone book entry selected:
The entry is deleted in the COMAND phone book and the address book if the address book entry only contains phone numbers.
 - Entire address book entry selected:
The entry is deleted in the COMAND phone book and additionally also in the address book if the address book entry only contains phone numbers.
 - Subentry of an address book entry selected:
The subentry is deleted in the COMAND phone book and in the address book.
- ▶ **To delete:** Select entry (▷ page 101).
 - ▶ Select Options → Delete.
You will be prompted to confirm that you really want to delete the entry.
 - ▶ Select Yes or No.
Yes option: The entry is deleted according to the above rules.

Adding Phone Number to a Phone Book Entry

- ▶ Select the address book entry.
- ▶ Select Options → Add Phone No..
- ▶ Select a number category, e.g. Home.
- ▶ Select a phone category, e.g. Mobile Phone.
- ▶ Select Save.

If five numbers are saved for the entry in the selected number category, a prompt will appear asking whether you wish to overwrite one of the existing numbers.

- ▶ Select Yes or No.
If you select Yes, a selection list will appear containing the five existing numbers.
 - ▶ Select the number to be overwritten.
The input menu with the data field for entering the new telephone number appears.
 - ▶ **To enter digits:** Select the required digits in sequence from the predictive speller or use the number keypad.
 - ▶ **To move the cursor in the data field:** Select or .
 - ▶ **To delete individual digits:** Select and briefly press the button.
- or
- ▶ Press the .
- The digit to the left of the cursor is deleted.
- ▶ **To delete an entire entry:** Select and press until the entire entry has been deleted.
- or
- ▶ Press and hold down the button until the entire entry is deleted.
 - ▶ **To save entry:** Select .

Call Lists

COMAND displays calls received (including missed calls) and made during phone mode in their own lists.

- i** The particular menu item can only be selected if calls have already been received or made from COMAND.

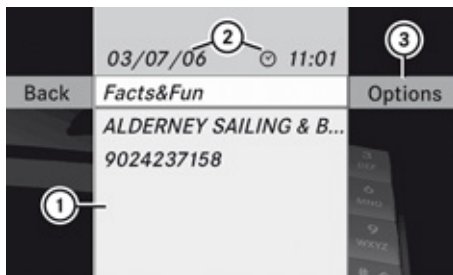
The display of missed calls in the COMAND display is not possible with all mobile phones.

- i** The instrument cluster control system displays a list of the last dialed calls.
- i** For many operating functions you can also use the buttons on the multifunction

steering wheel, e.g. the , , , , , or buttons, for selecting a menu, scrolling through lists or initiating or ending a call (▷ page 24).

Calling up the List

- ▶ In the phone main menu select Call Lists.
A menu appears.
 - ▶ Select Calls Received or Calls Dialed.
The appropriate list list appears.
- or
- ▶ When the basic telephone menu is displayed, press the button on COMAND or on the multi-function steering wheel.
A list of the last dialed calls appears.






List of incoming calls

- ① List of calls received
- ② Date/time of the highlighted entry
- ③ List entry options menu

- ▶ **To select a list entry:** Press or .
 - ▶ **To close list:** Select Back.
- or
- ▶ Press the button.

Displaying Details on a List Entry

COMAND can also fully display an abbreviated list entry.

- ▶ Select the list entry.
 - ▶ Select Options → Details.
The details screen appears.
 - ▶ **Back to the list:** Press  or  until the list is highlighted.
- or
- ▶ Press the  button.




Saving Unsaved List Entry





Unsaved list entries are displayed with the phone number.

Saved list entries are displayed with the name. They are either saved in the address book or in the COMAND phone book.

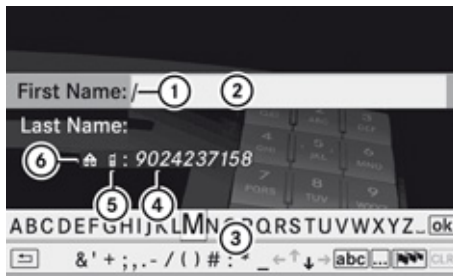
Saving in the Address Book as a New Entry

- ▶ Select the list entry.
 - ▶ Select Options → Save → New Entry.
- i** Save has no function if the selected list entry is already stored in the address book.
- ▶ Select a number category, e.g. Home.
 - ▶ Select a telephone category, e.g. Mobile Phone.

Number category	Display (phone and address book)
Not classified	
Home	
Work	

Phone category	Display (phone and address book)
Not classified	
Mobile	
Car	
Pager	

- ▶ Select Save.
An input menu with data fields will appear. The data field for the phone number is completed automatically. The data field for the last name is also completed if the entry to be saved contains a name.



P82.87-2496-31

- ① Cursor
- ② Data field
- ③ Speller
- ④ Data field for phone number is completed automatically
- ⑤ Phone category
- ⑥ Number category

- ▶ **To switch data fields:** Press  until the last name is highlighted.

- ▶ Then press .

or

- ▶ Select  or  and press .

The selected data field is highlighted.

- ▶ **To enter data into a field:** Select all the characters one after the other in the speller .

i The speller offers the characters that correspond to the selected data field.

▶ **To switch predictive speller to upper or lower case characters:** Select **[abc]** or **[ABC]**.

▶ **To switch predictive speller character set:** Select **[...]**.
Every time this is selected it switches the character set (digits, lower case letters).

▶ **To change the predictive speller language:** Select **[...]**.

▶ Press **[▲]** or **[▼]** until the desired language is highlighted and then press **[OK]**.

▶ **To move the cursor in the data field:** Select **[←]** or **[→]**.

▶ **To delete individual characters:** Select **[CLR]** and briefly press **[OK]**.

or

▶ Press the **[CLR]** button.
The character to the left of the cursor is deleted.

▶ **To delete an entire entry:** Select **[CLR]** and press **[OK]** until the entire entry has been deleted.

or

▶ Press the **[CLR]** button and hold it until the entry is deleted.

▶ **To save entry:** Select **[OK]**.

A corresponding message is displayed.

▶ **To cancel entry:** Select Back.

If one of the data fields contains data, a prompt will appear asking whether you wish to save the entry.

▶ Select Yes or No.
The entry will either be stored or not, depending on your selection.

Adding a Phone Number from the Call List to an Existing Address Book Entry

- ▶ Select the list entry.
- ▶ Select Options → Save → Add Phone No.

i Save has no function if the selected list entry is already stored.

▶ Select a number category, e.g. Home.

▶ Select a phone category, e.g. Mobile Phone.

▶ Select Save.

The search menu for address book entries appears.

▶ Search for the desired entry.

i Please see the “Searching for an Address Book Entry” section (▶ page 111) for a detailed description on searching for an address book entry.

▶ Press **[OK]** after completing the search.

If there are fewer than five numbers saved for the required entry in the selected number category, COMAND saves the data.

If five numbers are saved for the entry you are searching for, a prompt will appear asking whether you wish to overwrite one of the existing numbers.

▶ Select Yes or No.

If you select Yes, a selection list with the five existing numbers is displayed.

▶ Select the number to be overwritten.
COMAND overwrites the selected number with the new data.

Deleting Call Lists

i The saved call lists are retained in COMAND even if you use the COMAND with another mobile phone. For this reason you should delete any call lists before handing over or selling the vehicle.

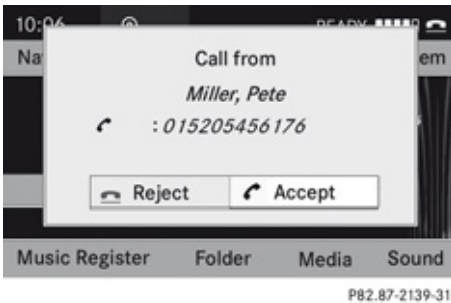
- ▶ Select Call Lists → Delete Call Lists from the basic telephone menu. A query appears asking if all call lists are to be deleted.
- ▶ Select Yes or No. The call lists will either be deleted or not, depending on your selection.



Making Calls

Incoming Call

Rejecting or Accepting Calls

Incoming calls are indicated by a dialog window.



- ▶ **To reject:** Select Reject.
- or
- ▶ Press the  button on the COMAND control panel or on the multifunction steering wheel.
 - ▶ **To accept:** Select Accept.
- or
- ▶ Press the  button on the COMAND control panel or on the multifunction steering wheel.


After accepting the call, you will conduct the conversation over the hands-free system. The call volume can be adjusted (▷ page 32). Please see the “Functions during a Single Call” section for other functions (▷ page 108).

- i** You can also accept a call as described above when COMAND is showing a display







of a different main application. The display switches to the telephone display after you accept the call. After the call is finished, you see the display of the previous main application again.


Initiating an Outgoing Call

Entering Phone Number via the COMAND Control Unit


- ▶ Open the phone main menu (▷ page 100).
- ▶ Enter all the digits on the numeric keypad one after the other.
- ▶ **To delete individual digits:** Press briefly the CLR button on the COMAND control unit.
- ▶ **To delete an entire phone number:** Press and hold the CLR button until the number is deleted.
- ▶ **To place a call:** Press the  button on the COMAND control panel or on the multifunction steering wheel.

Entering Phone Number via Phone Main Menu


- ▶ Open the phone main menu (▷ page 100).
 - ▶ **To enter digits:** Select all the digits one after the other in the speller.
 - ▶ **To delete individual digits:** Select  and briefly press the  button.
- or
- ▶ Press the  button.
 - ▶ **To delete an entire phone number:** Select  and press  until the phone number has been deleted.
- or
- ▶ Press and hold down the  button until the entire entry is deleted.

- ▶ **To connect a call:** Select  at the bottom right-hand side of the speller.


or

- ▶ Press the  button on the COMAND control panel or on the multifunction steering wheel.




Redialing

- ▶ Open the phone main menu .
- ▶ Select  at the bottom right-hand side of the speller.

or

- ▶ Press the  button on the COMAND control unit when the phone main menu is displayed.


The dialed calls list appears. The call dialed last will be at the top of the list.

- ▶ **To select a call:** Press  or .
- ▶ **To initiate call:** Press .

Initiating a Call to a Call List Entry or COMAND Phone Book Entry

- ▶ Open the call list and select an entry (▷ page 104).

or

- ▶ Open the COMAND phone book and select an entry (▷ page 101).
- ▶ **To initiate call:** Press .

Functions During a Single Call





P82.87-2497-31

Phone mode with a single call

- ① Other party
- ② Symbol for active phone connection
- ③ Switches the hands-free microphone off or on
- ④ Sends DTMF tones (not possible with all mobile phones)
- ⑤ Device name of the connected mobile phone
- ⑥ Terminates call



Switching Hands-Free Microphone On or Off

- ▶ Open the phone main menu .
- ▶ **To switch off:** Select Mic Off. If the microphone is switched off, the  icon appears in the main area.
- ▶ **To switch on:** Select Mic On. The  symbol disappears.

DTMF Tone Transmission

- i** This function is not possible with all mobile phones.


Answering machines or other devices can be controlled by DTMF tones, e.g. for remote query functions.

- ▶ **To send individual characters:** During a call select the required characters using the  or  button.


or

- ▶ Press the corresponding button on the COMAND control unit keypad. Every character selected will be transmitted immediately.
- ▶ **Transmitting phone book entry as a sequence of characters:** Select Name.
- ▶ Select the desired phone book entry. The entry is transmitted immediately as a sequence of characters.
- ▶ **To switch back to the call display:** Select Back.

Ending an Active Call

- ▶ If necessary, open the phone main menu .
- ▶ **To terminate call:** Select .

or

- ▶ Press the  button on the COMAND control panel or on the multifunction steering wheel.

Call Waiting

- i** The call waiting function must be supported and activated by the phone provider.

If you are conducting a single call and you receive another, the second call number is entered into the received calls list and a signal tone will sound.

Address Book

Warning!

Please devote your attention first and foremost to the traffic situation you are in. Before your journey, please familiarize yourself with the address book functions.

Only use the COMAND when road and traffic conditions permit you to do so. Otherwise you could be involved in an accident in which you or others could be injured.

General Information

The entries of the address book can be used for making phone calls and navigation destination entries.

- i** You should delete your personal data before selling your vehicle, using the Reset function (▶ page 45).

Opening the Address Book

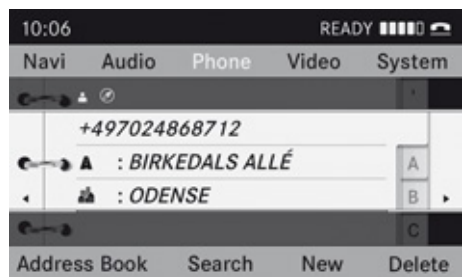
From Another Main Function

- ▶ Select Phone → Phone → Address Book.



- i** If the address book was last open in the telephone function, you only need to select Phone.

Within the Phone Function

- ▶ Select Phone → Address Book.
The address book main display appears.



P82.87-2141-31



Address book with address book entry  and navigable data 

- i** An address book entry may contain up to five phone numbers and both a private and business address.

Submenu Overview for Address Book

Address Book	Search
Downloading contacts (from mobile phone, from memory card or business cards)	Searching for an address book entry
Deleting contacts	
New	Delete
Creating a new address book entry	Deleting an address book entry

Selecting Entry in the Address Book

- ▶ Press  or  if the display/selection window is active.

Creating a New Address Book Entry







- i** You can create address data directly in the address book. If you save phone numbers in the COMAND phone book, these are saved in the address book. When you save a navigation destination, COMAND creates an address book entry containing the complete address data that support navigation.
- ▶ Open the address book (▶ page 109) and select New.
The input menu containing data fields and the speller appears.







Input menu with data fields

- ① Selected data field with cursor
- ② Speller

Switching Data Field

- ▶ Press  repeatedly until the predictive speller is hidden.
 - ▶ Then press  or  and press .
- or
- ▶ Select  or  in the speller.
The input menu indicates the selected data field.

Entering Data into a Field

- ▶ Select all the characters one after the other in the predictive speller ②.
- i** The predictive speller provides the characters corresponding to the selected data field.
- ▶ **To switch predictive speller to upper or lower case characters:** Select  or .
- ▶ **To switch predictive speller character set:** Select .
Every time this is selected it switches the character set.
- ▶ **To change the predictive speller language:** Select .

- ▶ Press **▲** or **▼** until the desired language is highlighted and then press **OK**.
- ▶ **To move the cursor in the data field:** Select **←** or **→**.

Deleting

- ▶ **To delete an individual characters:** Select **CLR** and briefly press **OK**.
- or
- ▶ Press the **CLR** button.
The character to the left of the cursor is deleted.
 - ▶ **To delete an entire entry:** Select **CLR** and press **OK** until the entire entry has been deleted.
- or
- ▶ Press the **CLR** button and hold it until the entire entry is deleted.

Canceling an Entry

- ▶ Select **↔**.
If one of the data fields contains new data, a prompt will appear asking whether you wish to store the entry.
- ▶ Select Yes or No.
The entry will either be stored or not, depending on your selection.

Saving an Entry

- ▶ Select **OK**.
The address book displays the entry.

Searching for an Address Book Entry

- ▶ Open the address book (▷ page 109) and select Search.
If there are more than eight entries, the search menu with the smart speller appears.



Search menu with search speller

- ① **Person icon** symbol for address book entry
- ② **Magnifying glass icon** symbol for complete address data from the navigation
- ③ **Person with phone icon** symbol for phone book entry from the mobile phone
- ④ **Person with speech bubble icon** symbol for voice tag
- ⑤ **Search speller**

Entries without symbols or with the symbols ① and ③ are just address book entries. A voice tag has additionally been saved for entries with the symbol ③. Entries with the symbol ② contain complete address data from the navigation system, which support navigation and are covered by the digital map data. You can quickly start route guidance to this kind of entry (▷ page 114).

Switching from the Search Speller to the List

- ▶ Press the **▲** button or **OK** button and hold it until the speller is hidden.
- or
- ▶ Select **OK**.


Switching from the List to the Search Speller

- ▶ Select Back from the list.
- or
- ▶ Press the **BACK** button.

Searching

Searching via Search Speller



- ▶ Switch from the list to the search speller if necessary.

- ▶ **To change the search speller language:** Select .

- ▶ **To switch search speller character set:** Select .

Depending on the previous setting, you will change to letters with special characters or to numbers with special characters.



- ▶ **To enter characters:** Select the characters for the required entry one after another.

- ▶ **To delete individual characters:** Select  and briefly press .


or

- ▶ Press the  button.

Each time you enter or delete a character, the closest match will be displayed at the top of the list.


- ▶ **To delete an entire entry:** Select  and press  until the entire entry has been deleted.

or

- ▶ Press the  button and hold it until the entire entry is deleted.

- ▶ **To end search:** Switch from the search speller to the list.



The top list entry is highlighted automatically.

- ▶ **Back to the address book:** If necessary, switch from the list to the smart speller and select  in the smart speller.

or

- ▶ Press the  button.

Searching via the List

- ▶ If necessary, switch from the smart speller to the list (▷ page 111).
- ▶ Press  or  until the desired entry is highlighted in the list.

Deleting Entry

- ▶ Search for the required entry (▷ page 111).

- ▶ Select Options → Delete.

or

- ▶ Select Delete from the address book (▷ page 109).

A deletion prompt appears.

- ▶ Select Yes or No.

The entry will be deleted or retained on the basis of the selection.

- ▶ **i** Deleting an entry in the phone book on the mobile phone deletes the entry in the address book.

Displaying Details About an Address Book Entry

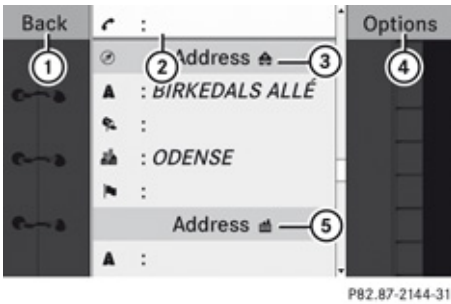
- ▶ Switch from the smart speller to the list (▷ page 111).

or

- ▶ Select an address book entry from the address book (▷ page 110).

- ▶ Press .

The detailed display appears.



Details screen for private data

- ① Back to the previous menu
- ② Selected data field
- ③ 🏠 symbol private data
- ④ Calls up options
- ⑤ 📠 symbol for business data

Selecting Another Data Field

- ▶ Press or .

Displaying Abbreviated Content in Full

- ▶ Select Options → Details.
The complete display appears.
- ▶ **To close complete display:** Press
or or .
- or
- ▶ Press the button.

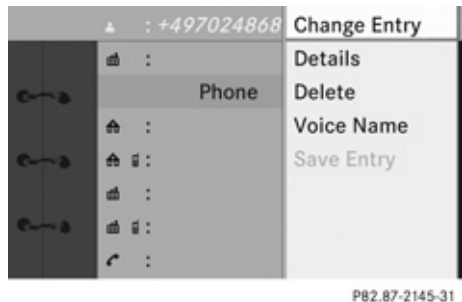
Closing Details Screen

- ▶ Select Back.
- or
- ▶ Press the button.

Changing Entry

Changing an Address Book Entry

- ▶ Search for the address book entry (▷ page 111).
- ▶ Select Options → Change Entry.
- or
- ▶ Display details about an address book entry.
- ▶ Select Options → Change Entry.
The input menu with data fields appears.



- ▶ Continue from the step "Switching Data Field" in the "Creating a New Address Book Entry" section (▷ page 110).

Changing Category of a Phone Number Data Field

- ▶ Display the details for an entry and highlight the phone number data field (▷ page 112).
- ▶ Select Options → Change Category.
- ▶ Select a number category, e.g. Home.
- ▶ Select a telephone category, e.g. Mobile Phone.
- ▶ Select Preferred, where applicable.
Depending on the previous state, switch the option on or off . The phone number is displayed as the first number in

the phone book and can be dialed immediately.

- ▶ Select Save.
The new category is saved.

Initiating a Phone Call to an Entry

i The mobile phone must be connected via the Bluetooth® interface.

- ▶ Display the details for an entry and highlight the phone number data field (▷ page 112).
- ▶ Press **OK**.
The phone initiates the call. The display switches to the phone mode display.

or

- ▶ Select Options → Call.
The phone initiates the call.

Starting Navigation to an Entry

i You can use this function as soon as you have saved a destination in the destination memory (▷ page 90). COMAND then also saves the destination in the address book with the complete address data that support navigation.

- ▶ Search for an address book entry with the **📍** symbol (▷ page 111).
- ▶ Display the details about an entry and highlight the address data field (▷ page 112).
- ▶ Press **OK**.

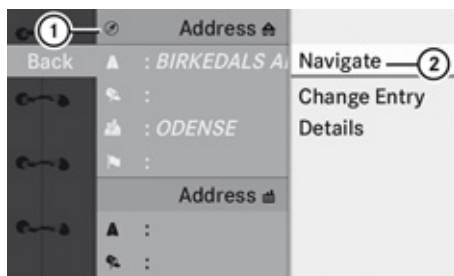
i Pressing **OK** only works if the address data field contains complete navigable data. This is indicated by the **📍** symbol.

or

- ▶ Select Options → Navigate.

i Navigate can only be selected when the address data field contains complete

navigable data. This is indicated by the **📍** symbol.



P82.87-2146-31

- ① Address that supports navigation
- ② Opens Enter Destination menu

The Enter Destination menu appears, the selector bar is located at the menu item Start (▷ page 68).

Voice Tags

i Voice tags can be entered via Voice Control System.

Adding or Changing Voice Tag

i You can add one voice tag per address book entry.

- ▶ Search for an address book entry without or with a voice tag (**🗣️** icon) (▷ page 111).
- ▶ Select Options → Voice Name → Add or Change.
The process continues by voice commands. The Voice Control System guides you through the dialogs (▷ page 195).

Deleting Voice Tag

- ▶ Search for the address book entry with a voice entry (▷ page 111).
- ▶ Select Options → Voice Name → Delete.
A deletion prompt appears.
- ▶ Select Yes or No.
COMAND deletes the voice entry depending on your selection.

Listening to Voice Tag

- ▶ Search for the address book entry with a voice entry (▷ page 111).
- ▶ Select Options → Voice Name → Listen.
You will hear the voice tag.

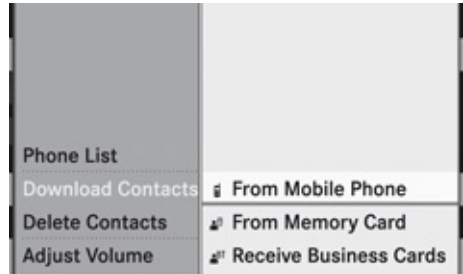
Downloading Contacts

You can download contacts into the address book from an external Bluetooth device or memory card.

- ▶ **i** Bluetooth® devices must be inside the vehicle, switched on, activated, authorized and capable of sending contacts and/or vCards via Bluetooth®.

Downloading Data

- ▶ Start communication at the external device (▷ operator's guide of the external device).
- or
- ▶ Insert memory card.
 - ▶ Select Address Book → Download Contacts on COMAND.
A selection menu appears.



P82.87-2147-31





- ▶ Select From Mobile Phone or From Memory Card or Receive Business Cards.
- ▶ Press **OK**.
The download begins.

Deleting Data

- ▶ When the address book is displayed, select Address Book → Delete Contacts.

Audio Menu	118
Radio	119
HD Radio™	122
Satellite Radio	125
CD Audio/DVD Audio/MP3	130
Music Register	142
Media Interface	145
Audio Aux	151


Audio Menu

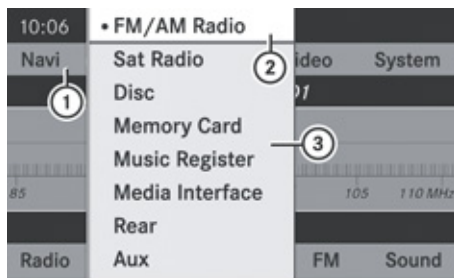
- i** Information on the COMAND control system and how to operate it can be found on (▷ page 20).
- i** For many operating functions you can also use the buttons on the multifunction steering wheel, e.g. the , ,  or  buttons, for selecting a channel or a menu or scrolling through lists (▷ page 24).

Vehicle Equipment

- i** This Operator's Manual describes all features, standard or optional, potentially available for your vehicle at the time of purchase. Please be aware that your vehicle might not be equipped with all features described in this manual.

Calling up the Audio Menu

- ▶ Select **Audio**
The audio mode last active is switched on.
- or
- ▶ Press the  function button.
Radio mode is switched on
- ▶ Select **Audio**
The audio menu appears.
- i** If radio mode was active last, you only need to select **Audio**.



P82.87-2944-31

Display with Audio menu

- ① Main function line
- ② Current audio mode
- ③ Audio menu

You can switch to the various audio modes in the audio menu:

- FM / AM radio mode (▷ page 119)
- SatRadio mode (▷ page 125)
- CD-/DVD audio/MP3 mode (▷ page 130)
- Memory Card (▷ page 134)
- Music Register (▷ page 142)
- Media Interface (▷ page 145)
- Aux mode (▷ page 151)

Rear Playback Mode

Rear playback mode channels the audio source from the Rear Seat Entertainment System to COMAND for playback through the vehicle speakers.

- ▶ **Switching on Rear playback mode:**
Select **Rear** from the Audio menu

Radio

Switching to the Radio

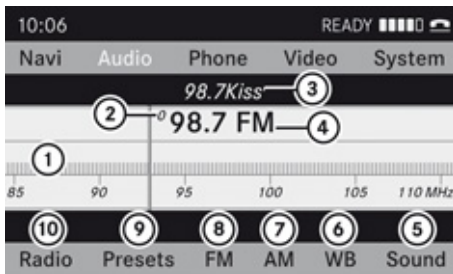
From the COMAND Control Unit

- ▶ Press the **RADIO** function button.
- or
- ▶ Select Audio → Audio → FM/AM Radio in the display.
- i** Press the button repeatedly to switch wavebands in the sequence FM, AM, WB (Weather band) (▷ page 120) and SatRadio mode (▷ page 125). Pressing again will switch back to FM radio mode.

- ③ Name of selected station
- ④ Frequency of selected station
- ⑤ Sound settings
- ⑥ WB (Weather band)
- ⑦ AM radio
- ⑧ FM radio
- ⑨ Stored station list
- ⑩ Radio functions

Within the Audio Function

- ▶ Select Audio → FM/AM Radio.
The radio display appears. The last selected station in the last selected waveband is heard.



P82.87-2149-31

Radio display

- ① Main area with tuning dial
- ② Memory preset number

Submenu Overview

Radio (FM and AM only)	Presets (FM and AM only)	Channel (WB only)	Sound
Enter Frequency	Autostore	List of receivable channels	Treble
<input checked="" type="checkbox"/> Station information (only FM)	List of stored stations		Bass
			Balance/Fader
			Surround sound

Switching Wavebands

You can switch the radio between the FM, AM, and WB wavebands.

- ▶ Select FM, AM or WB in the radio display. The last selected station in the selected waveband is heard.

i In the WB waveband, COMAND displays the channel name instead of the station names and/or frequency.

or

- ▶ Press the **RADIO** function button on the control unit repeatedly until the desired band is selected.

i Press the button repeatedly to switch waveband in the sequence of FM, AM, WB and SatRadio mode. Pressing again will switch back to FM radio mode.

Tuning to a Station

You can tune to a station via station search or by manual frequency input.

Tuning to a Station via Station Search

- ▶ Press **▶** or **◀** when the main area is highlighted.

or

- ▶ Press **◀◀** or **▶▶** on the COMAND control unit.

The search proceeds upwards or downwards and stops at the next receivable station.

Tuning to a Station via Manual Frequency Input

- ▶ Select Radio → Enter Frequency in the radio display. An input menu appears.

or

- ▶ Press ***#** on the control unit.

- ▶ **To enter a frequency:** Press number buttons on the control unit.

i You can only select numbers that are currently permissible.

COMAND will tune to the frequency entered.

i If in the FM or AM wavebands you enter a frequency outside the frequency sub-range, COMAND will select the next frequency down.

Tuning to a Station via the Station Memory

- ▶ Select Presets in the radio display.
- or
- ▶ Press **OK** when the main area is highlighted. The station memory appears. The dot • in front of a preset indicates that the currently tuned station is stored there.
- ▶ **To select a station:** Press **▲** or **▼**.
- ▶ **To tune to a station:** Press **OK**.
- or
- ▶ Press a number key, e.g. **4**, on the control unit.

Wavebands	Frequency
AM (MF)	530 - 1700 kHz
FM (VHF)	87.7 - 107.9 MHz
WB (Weather Band)	Weather channels

Storing Stations

There are 10 presets available for FM, AM and SatRadio wavebands.

Storing Stations Manually

- ▶ Press **OK** when the main area is highlighted.
- or
- ▶ Select Presets in the radio display. In both cases, the station memory will appear. The dot • in front of a preset station indicates the station the radio is currently tuned to.



Station memory

- ▶ To store a station to a selected preset: Press and hold **OK** until a signal tone sounds.
- or
- ▶ Press and hold a number key, e.g. **4**, until a signal tone sounds. The station is stored.

Storing via Autostore





i The function automatically assigns receivable stations to the presets, sorted according to reception quality. The stations which were stored in the station memory manually are overwritten.

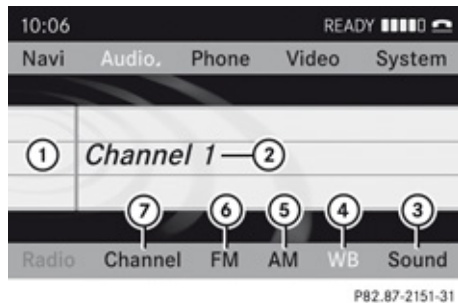
- ▶ Press **OK** when the main area is active.
- ▶ Select Autostore.
- or
- ▶ Select Presets → Autostore in the radio display. COMAND searches for receivable stations. A corresponding message is displayed. The available stations are automatically stored under the presets.

Canceling Autostore Procedure

- ▶ Select **Cancel**.

Switching to Weather Band

- ▶ Press  to highlight the submenu.
- ▶ **To select the weather band:** Press  or  until WB is highlighted.
- ▶ Press .





- ① Main area with tuning dial
- ② Currently received channel
- ③ Sound settings
- ④ Weather band
- ⑤ AM radio
- ⑥ FM radio
- ⑦ Channel list





Searching a Channel

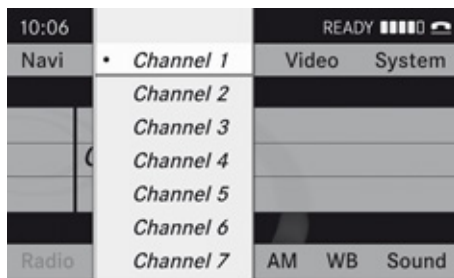
- ▶ Press  or  when the main area is highlighted.

or




- ▶ Press  or  on the control unit. The search proceeds upwards or downwards and stops at the next receivable channel.

Selecting a Channel from Channel list

- ▶ Press  to highlight the submenu.
 - ▶ **To call up the channel list:** Press  or  until Channel 1 is highlighted.
 - ▶ Press .
- The channel list appears.



P82.87-2152-31

- ▶ **To select a channel:** Press  or .
- ▶ **To tune to the selected channel:** Press .

or

- ▶ Press a number key, e.g. **4**, on the control unit at any time.

HD Radio™

Important Notes

In chapter "HD Radio™, you will find detailed information about

- the special features of HD Radio that distinguish it from analog AM and FM radio
- selecting an HD Radio station
- displaying program information.

i Optional HD Radio® equipment is required for the HD Radio operation described here. A special subscription, however, is not necessary.

i HD Radio features include

- digital broadcasts in the same waveband as analog AM/FM; the analog AM/FM stations remain at their current place on the dial
- the ability to broadcast multiple program streams over a single FM/AM frequency (e. g. HD 1, HD 2, etc.)
- static-free, clear reception

- FM stations offer CD quality sound, AM stations sound like analog FM stations
- a variety of data services, including textbased information – artist name, song title, etc. – shown on the display.

More information on HD Radio you will find at <http://www.hdradio.com>.

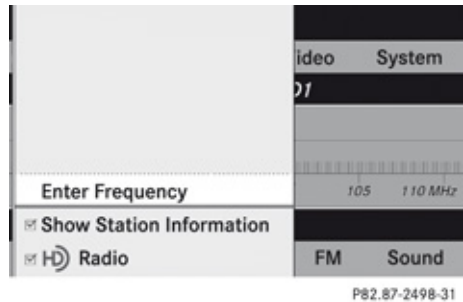
- i** Note that subprograms and program info shown in illustrations are dependent on program content delivered by the radio stations. Program content is subject to change. Therefore, subprograms and program info shown in illustrations and descriptions contained in this manual may differ from the subprograms and program info delivered by the radio station.

Switching to HD Radio

- i** Since HD Radio stations are embedded in the AM/FM waveband, HD Radio operation is very similar to analog AM/FM radio operation. In this chapter only the functions that differ from the normal FM radio functions are described separately.

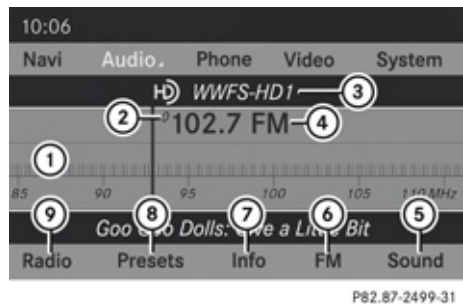
Analog AM/FM radio operation is described in chapter “Radio” (▷ page 119).

You will only hear HD Radio programs if the HD Radio function is activated in the radio submenu.



- Select Radio → HD Radio in the radio display.
If the checkbox is checked, HD Radio is activated.

HD Radio® Display



- ① Main area with station or frequency
- ② Memory preset number
- ③ Name of selected station with HD symbol and program number
- ④ Station frequency
- ⑤ Sound settings
- ⑥ FM, AM or WB radio
- ⑦ Program info
- ⑧ Stored station list
- ⑨ Radio functions

Submenu Overview

Radio (FM and AM only)	Presets (FM and AM only)	Channel (WB only)	Info	FM	Sound
Enter Frequency	Autostore	List of receivable channels	Program Information	FM	Treble
<input checked="" type="checkbox"/> Show Station Information	List of stored stations			AM	Bass
<input checked="" type="checkbox"/> HD Radio				WB	Balance/Fader
					Surround sound

Switching Wavebands

You can switch the radio between the FM, AM, and WB wavebands.

- ▶ Select FM (or AM, WB) → FM, AM or WB in the radio display.

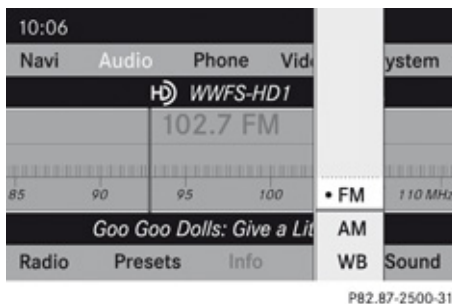
The last selected station in the selected waveband is heard.

- i** In the WB waveband, COMAND displays the Channel name instead of the station names and/or frequency.

or

- ▶ Press the **RADIO** function button repeatedly until the desired band is selected.

- i** Press the button repeatedly to switch waveband in the sequence of FM, AM, WB and SatRadio mode (▷ page 125). Pressing again will switch back to FM radio mode.



Tuning to a Station

You can tune to a station via station search or by manual frequency input.

Tuning to a Station

You can tune to an HD Radio station in the same way as you would tune to a normal FM Radio station (▷ page 120).

Storing Stations

Please refer to “Storing Stations” in the Radio section (▷ page 121).

Displaying Program Info

- ▶ Select **Info** in the radio display. Information on the program currently tuned to is displayed. The content and scope of the information depends on the HD Radio station.

Switching to Weather Band

- ▶ Select **FM (or AM) → WB** in the HD Radio display.
- ▶ Press **OK**.

For searching and selecting stations please refer to (▷ page 122).

Satellite Radio

Important Notes

In this chapter, you will find detailed information regarding

- selecting a channel and a program category
- memory functions
- sound adjustments

If you have not done so already, please familiarize yourself with these functions by reading chapter “At a glance”.

- i** Optional satellite radio equipment and a subscription to satellite radio service provider are required for the satellite radio operation described here.
- i** Note that categories and channels shown in illustrations are dependent on programming content delivered by the service provider. Programming content is subject to change. Therefore, channel and categories shown in illustrations and

descriptions contained in this manual may differ from the channels and categories delivered by the service provider.

Satellite radio service may be unavailable or interrupted from time to time for a variety of reasons, such as environmental or topographic conditions and other things we can't control. Service might also not be available in certain places (e.g., in tunnels, parking garages, or within or next to buildings) or near other technologies.

- i** SIRIUS XM Radio provides over 130 channels of digital-quality radio, including 100% commercial-free music, sports, news and entertainment.

SIRIUS XM Radio uses a fleet of high-power satellites to broadcast 24 hours per day, coast-to-coast, in the contiguous U.S.

This diverse, satellite-delivered programming is available for a monthly subscription fee. For more information, call the SIRIUS XM Service Center (▷ page 129) or contact www.sirius.com (USA) or www.siriuscanada.com (Canada).

Subscribing

Subscribing to Satellite Radio

To switch to satellite radio operation:

- ▶ **From another main function:** Select **Audio → Audio → SatRadio**.
- i** If radio mode was active last, you only need to select **Audio**.
- ▶ **Within the audio function:** Select **Audio → SatRadio**.
The Satellite radio main menu will appear and displays the Weather channel. You cannot select any other station.
- ▶ Select **SatRadio** (from the submenu) → **Service**.
The Service information display will appear.



Service information display

- ① Phone number of the provider, (SIRIUS XM) or Call Service Provider
- ② SIRIUS ID of your satellite receiver

► Contact satellite radio service provider at the telephone number displayed in the screen.

i It is also possible to activate the satellite service online. To do so please visit SIRIUS XM Radio's website at www.sirius.com (USA) or www.siriuscanada.com (Canada).

After the connection is made:





► Follow the instructions given by the operator.

The activation process may take up to 10 minutes. If it is successful, you will see the display with the message *No Service* (► page 126) followed by the Satellite radio main menu (► page 126).

i If a subscription is not included with system purchase, credit card information is required to activate your account.

If a satellite receiver is not installed or not properly installed, the message *Device Unavailable* will appear.

Satellite Radio Operation

i For many operating functions you can also use the buttons on the multifunction steering wheel, e.g. the , ,  or  buttons, for selecting a channel or a menu or scrolling through lists (► page 24).

Switching on

See "Subscribing to Satellite Radio" for important subscription information (► page 125).

To switch to satellite radio operation:

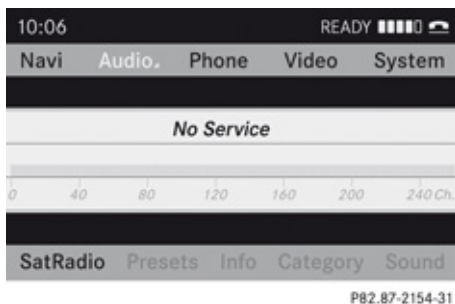
► **From another main function:** Select Audio → Audio → SatRadio.

i If radio mode was active last, you only need to select Audio.

► **Within the audio function:** Select Audio → SatRadio.

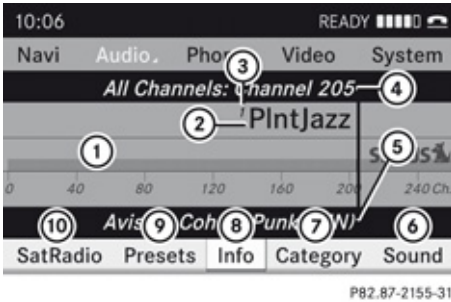
i No Satellite receiver:

The message *No Satellite Radio* will appear in a window.



The message *No Service* will appear at start up or when the signal is not available.

After the COMAND acquires the signal, the Satellite radio display will appear. The station last tuned to will begin to play.



Satellite radio main menu

- ① SatRadio main display
- ② Channel name
- ③ Memory preset number
- ④ Selected category/channel number
- ⑤ Channel info (short)
- ⑥ Sound settings
- ⑦ Category list
- ⑧ Channel info (detailed)
- ⑨ Preset channel list
- ⑩ SatRadio menu

- i** You can display ⑤ in full:
- Channel information (▷ page 129)

Changing the Category

Satellite radio stations are split up into categories. You can select between various categories such as News/Talk, Sports and Country, if available. The category list is sorted alphabetically.

Selecting a Category

- ▶ **To call up the category list:** Press or until Category is highlighted in the submenu.
 - ▶ Press .
- The category list appears.

- ▶ **To select a category:** Press or .

- ▶ **To set the selected category:** Press .
- The selected category will appear in the display. The channel last tuned to in the new category will begin to play.
- At the beginning of the category list the category All Channels will appear. This category is sorted numerically (by channel numbers) and allows you to scroll through all available channels.

Selecting a Channel

You can use the following functions:

- Channel search
- Channel selection via direct entry (▷ page 128)
- Selecting a channel from the SatRadio channel list (▷ page 128)
- Selection from the preset menu (▷ page 129)

Channel Search

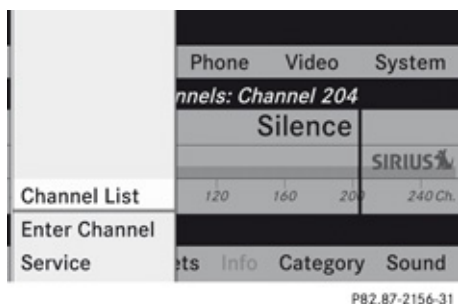
- ▶ Press or if the SatRadio main display is highlighted.

or

- ▶ Press or on the control unit.
- The search proceeds upwards or downwards and stops at the next channel in the selected category.

SatRadio Menu

- ▶ On the submenu bar press or until SatRadio is highlighted.
- ▶ Press .



The SatRadio menu appears.

Entering a Channel Number Directly

- ▶ Select SatRadio → Enter Channel in the SatRadio menu.
An input dialog appears.

or

- ▶ Press on the control unit.
- ▶ **To enter a channel:** Press corresponding number buttons on the control unit. COMAND will tune to the channel entered.

i You can only select numbers that are currently permissible.

Selecting a Channel from the SatRadio Channel List

- ▶ Select SatRadio → Channel List in the SatRadio menu.
The channel list appears.
- ▶ **To select a channel:** Press or .
- ▶ **To tune to the selected channel:** Press .

Memory Functions

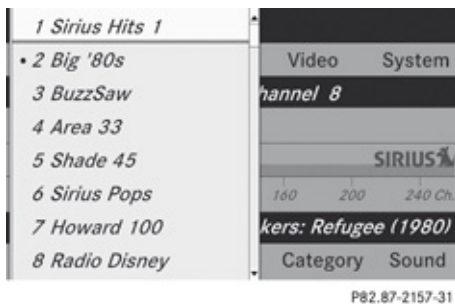
i There are 10 presets available.

You can use the following functions:

- Saving channels manually
- Selecting a channel from the Satellite preset memory

Storing Channels Manually

- ▶ Press if the main area is highlighted.
- or
- ▶ Select Presets on the SatRadio submenu bar.
In both cases, the channel memory will appear. The dot • in front of a preset indicates that the currently tuned channel is stored there.



Station Memory

- ▶ **To select a preset:** Press or .
- ▶ **To store a channel to a selected preset:** Press and hold until a signal tone sounds.

or

- ▶ Press and hold a number key, e.g. **4**, until a signal tone sounds.
The channel is stored.

Storing via Autostore

i The function automatically assigns receivable channels to the presets. The channels which were stored in the channel memory manually will be overwritten in this process.

- ▶ Press when the main area is active.
- ▶ Select Autostore.

or

- ▶ Select Presets → Autostore from the SatRadio submenu.
COMAND searches for receivable channels. A corresponding message is

displayed. The available channels are automatically stored under the presets.

Canceling storage procedure

- ▶ Select Cancel.

Selecting a Channel from the Memory List

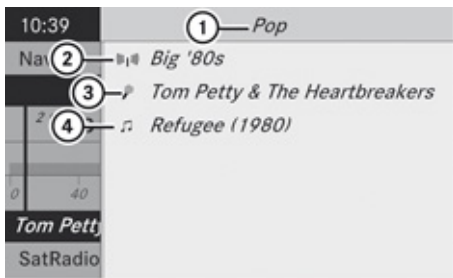
- ▶ **To call up the channel list:** In the submenu press or until Presets is highlighted. The presets list appears.
- ▶ **To select a channel:** Press or .
- ▶ **To tune to the selected channel:** Press .

or

- ▶ Press a number key, e.g. **4** on the control unit.

Displaying Information

- ▶ In the submenu press or until Info is highlighted.
- ▶ Press . Information about the current program appears.



P82.87-2158-31

- ① Category
- ② Channel
- ③ Artist
- ④ Song title

You will see (if available)

- the full name
- additional information

- ▶ **To switch back to the SatRadio main display:** Press or .

Displaying Service Information

You can call the provider service center for questions or releases whenever you need.

- ▶ Select SatRadio → Service in the SatRadio submenu. The service information appears.



P82.87-2501-31

- ① Phone number of the provider, (SIRIUS XM) or Call Service Provider
- ② SIRIUS ID of your satellite receiver

- ▶ **To switch back to the SatRadio main display:** Press or .

Channel List Updates

While receiving a new channel list the message Updating Channels will appear. The channel last tuned to will be muted until the update is completed. You cannot operate the satellite radio.

After completion of the update, the Satellite radio main menu will appear. The channel last tuned to will begin to play.

Sound Settings

Refer to chapter “At a glance” on how to adjust sound settings.

- Volume (page 32)
- Balance and fader control (page 32)

- Bass and treble control (▷ page 32)
- Surround sound (▷ page 33)

CD Audio/DVD Audio/MP3

Safety Instructions

Warning

COMAND is classified as a Class 1 laser product. You must not open the casing. There is a risk of exposure to invisible laser radiation if you open the casing, or if the casing is faulty or damaged.

COMAND does not contain any parts that you are able to maintain yourself. For safety reasons, all maintenance work must be exclusively carried out by qualified technicians.

Warning

Only carry out the following when the vehicle is stationary:

- Inserting a disc
- Ejecting a disc

There is a risk of accident by being distracted from road and traffic conditions if you load a CD/DVD while the vehicle is in motion.

Notes on MP3 Mode

Permissible Storage Media

- CD-R and CD-RW
- DVD+R and DVD+RW
- DVD-R and DVD-RW
- SD memory card

Permissible File Systems

- ISO9660/Joliet for CD storage media
- UDF for DVDs
- FAT16 for SD card with storage medium

Multisession CDs

On multisession CDs, the content of the first session determines how COMAND handles the CD.

If the first session, for example, contains data in audio CD format and the second session contains MP3 tracks, COMAND handles the CD as a conventional audio CD. This means that the MP3 tracks cannot be accessed.

Similarly, if the first session contains MP3 tracks and the second session contains data in audio CD format, COMAND handles the CD as an MP3 CD. Only the MP3 tracks can be accessed.

File Structure of Storage Medium

When creating an MP3 storage medium, you can organize MP3 tracks into folders. A folder can also contain additional folders. A storage medium may have a maximum of 255 folders in total. A maximum of 255 tracks and 255 folders are permissible per folder. A maximum of 1200 tracks in total are permissible per storage medium.

Track Names and Folder Names

When creating an MP3 storage medium, you can assign names to the MP3 tracks and to the folders.

COMAND uses these names in MP3 mode for the corresponding display. Empty folders or folders containing data other than MP3 tracks will not be displayed by COMAND.

If MP3 files are stored in the root directory itself, the root directory also counts as a folder. COMAND will then display the root directory name as a folder name.

Please note the following when assigning track names:

- Track names must contain at least one character.
- Track names must have the extension “mp3”.
- A period must appear between the track name and the extension.

i COMAND does not support ID3 tags.

Permissible Formats

COMAND supports the following formats:

- MPEG1 audio layer 3 format
- i** In everyday speech, this format designation has been replaced by the designation “MP3”.
- Microsoft Windows® Media Audio V2, V7, V8 und V9 (WMA).

Notes on Copyright

The music tracks that you can create for playback in MP3 mode are generally copyright-protected under applicable international and national laws.

In many countries, the reproduction of copyrighted material is not permitted even if only for personal use without the express prior consent of the copyright holder.

Please check the current copyright laws for your country and comply with them.

These restrictions do not apply, for example, to your own compositions and recordings or for recordings for which authorization has been obtained from the copyright holder.

Notes about Audio DVD Discs

COMAND can playback commercially available, prerecorded audio DVDs that bear the following label. You will usually find the label on the DVD booklet, the inlay or the DVD itself.



i Audio DVDs differ from recordable DVD-R and DVD-RW discs.

Data on audio DVDs are stored either in uncompressed format or in lossless compressed format. The sound quality on audio DVDs is therefore better than on recordable DVDs that contain MP3 data because the MP3 format uses a lossy type of compression. You cannot delete data from or record additional data to commercially available, prerecorded audio DVDs. Please note the following information about CDs/DVDs and pay special attention to the notes on copied and/or selfwritten CDs/DVDs.

Permissible Bit and Scan Rates

- Fixed and variable bit rates from 32 kbps to 320 kbps
- Scan rates from 8 kHz to 48 kHz

i Only use MP3 tracks with a bit rate of 128 kbps or higher and with a scan rate of 44.1 kHz or higher. Lower rates may result in impaired sound quality. This is particularly true if the surround sound function has been activated.

WMA (Windows® Media Audio) format of the following type:

- fixed bit rates from 5 kBit/s up to 384 kBit/s
- sampling rates from 8 kHz to 48 kHz.

COMAND does not support WMA files of the following type:

- DRM (Digital Rights Management) encrypted files

i If other music files are stored in these audio formats on a storage medium, in

In addition to MP3 files, the loading process may take longer before the first track is played.

Notes about CD/DVD Discs

i Discs with copy protection do not comply with the CD audio standard and in some cases cannot be played by COMAND. When playing copied discs, problems may occur with the playback.

A wide variety of discs, disc writing software and writers are available. Due to this variety we cannot guarantee that the system will be able to play discs that you have written/copied yourself.

There may be playback problems with userburned CDs with a storage capacity of more than 700 MB. These CDs do not meet current valid standards.

i When playing a DVD audio, it may be the case with numerous albums that the last track does not contain any music and COMAND switches to the next track. This is due to the production method and does not imply a fault with the unit.

! Do not attach stickers or labels of any kind to discs. They may come loose and damage COMAND.

COMAND has been designed for discs meeting the requirements of standard EN 60908. Therefore, only discs with a maximum thickness of 1.3 mm can be used.

If a thicker disc is inserted, e.g. one which stores data on both sides, (DVD on one side, audio data on the other side), this cannot be ejected and COMAND will be damaged.

Do not use 8 cm diameter discs, not even with an adapter. Only use round discs with a diameter of 12 cm.

i COMAND can play audio CDs with the highresolution surround format.

Notes on the Care of CD/DVD Discs

- Only touch the discs at the edges.
- Handle discs with care in order to prevent malfunctions during playback.
- Avoid scratching, leaving fingerprints and dust on the discs.
- Clean the discs occasionally with a commercially available cleaning cloth. Always wipe in a straight line from the inside outwards, never in a circular motion.
- The discs must only be labelled using pens specially designed for this purpose.
- After use, put the discs back into the box.
- Protect the discs from heat and direct sunlight.

Loading CDs and DVDs

Warning

Only insert a CD or DVD when the vehicle is stationary. There is a risk of accident by being distracted from road and traffic conditions if you load a CD/DVD while the vehicle is in motion.

Bear in mind that at a speed of just 30 mph (appr. 50 km/h), your vehicle is covering a distance of 44 feet (appr. 14 m) every second.

i If the CD/DVD is printed on one side, this side must face upwards when loaded. If neither side is printed, the side to be played must face downwards.

The system may not be able to play copy-protected CDs/DVDs.

Loading the DVD Changer

The DVD changer is a magazine with six built-in compartments.

Loading an Individual Magazine Compartment

- ▶ Press the Load button .

A menu indicates which magazine compartments are currently loaded. The highlighted or currently playing compartment is indicated by a red number.



P82.87-2159-31

Magazine Menu

- ▶ **To select magazine compartment:**

Press  or .

- ▶ **To start loading:** Press .


The DVD changer will switch to the selected magazine compartment. The message Please Wait... will be displayed.

Then message Please Insert Disc <x> will be displayed.

- i** Only insert a CD after COMAND has prompted you to do so with this message. Only insert one CD per magazine compartment.



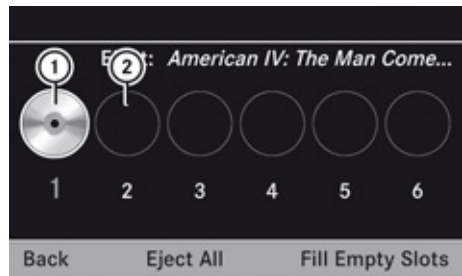
P82.87-2160-31

- ▶ Insert a disc into the slot  with the printed side upwards. The DVD changer pulls in the disc and places it in the selected magazine compartment. The message Loading Disc <x> will be displayed.

- i** The loading process may take a while, depending on the type of disc. If you do not insert a disc, the display will switch back to the magazine menu after approximately 20 seconds.

The DVD changer plays the disc if


- it has been inserted correctly
- it is a permissible disc.



P82.87-2161-31

Magazine menu, one disc loaded

- ① Magazine compartment occupied, ejecting possible
- ② Empty magazine compartment

- ▶ **To exit menu:** Press the Load button again.
- or
- ▶ Select Back
- or
- ▶ Press the  button

Filling Empty Magazine Compartments

- ▶ Press the Load  button.

The magazine menu appears. The currently playing compartment is indicated by a red number or, if the magazine is empty, compartment 1 is marked.

- ▶ Select Fill Empty Slots. The message Please insert disc <x> will be displayed.

i Only insert a CD after COMAND has prompted you to do so with this message. Only insert one CD per magazine compartment.

- ▶ Insert a disc into the slot with the printed side facing upwards. You see the *Please wait...* message. Once the disc is loaded, the DVD changer switches to the next empty compartment. You see these messages: *Please wait* and then *Please insert disc <x>*.
- ▶ Repeat the step until all compartments are loaded. The DVD changer plays the last disc you loaded if it has been inserted correctly and if it is a permissible type. If loading is not completed, COMAND plays the first disc inserted.

▶ **To end loading procedure:** Press the Load  button again.

or

▶ Select Back.

or

▶ Press the  button.

Loading SD Memory Card

i COMAND does not support the SD card format "SD-HC 2.0 Standard". Memory cards with over 2 GB of storage capacity are not supported. Not all SD memory cards and storage media are designed for the temperatures which may be reached in the vehicle.

Due to the wide range of SD memory cards available on the market, playback cannot be guaranteed for all brands of SD memory card.

- ▶ Push the SD memory card into the slot. The end with the contact must point towards the slot. COMAND loads the memory card and displays the message *Reading Memory*

Card. If no MP3 tracks can be found, a message will be displayed.

Ejecting CDs and DVDs

Warning

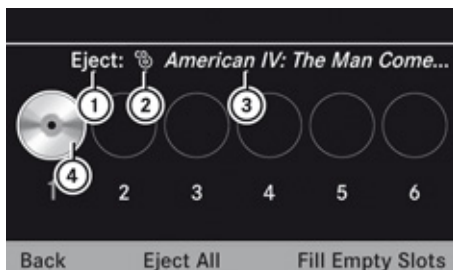
Only eject a disc when the vehicle is stationary. You may otherwise be distracted from the traffic conditions and could cause an accident.

- i** If you eject a disc while another is being played, the DVD changer interrupts playback. Playback will continue once the disc has been ejected completely.

Ejecting One Disc



▶ Press Eject button .

The magazine menu appears. The magazine compartment containing the current disc is highlighted.



P82.87-2162-31

- ① Magazine compartment occupied, ejecting possible
- ② Disc type
- ③ Disc name (only if stored on disc)
- ④ Current disc

▶ **To select occupied magazine compartment:** Press  or .

▶ Press .

The *Ejecting disc <x>...* message appears. Then you see the following message:

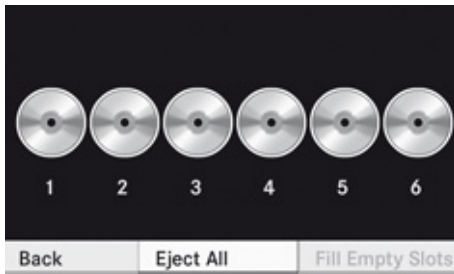


P82.87-2163-31

- ▶ Remove the disc from the slot.
If you do not remove the disc from the slot, the DVD changer will automatically pull it back in after a short while and begin playback.

Ejecting All Discs

- ▶ Press the Eject  button.
The magazine menu appears.







P82.87-2164-31

- ▶ Select Eject All.
The DVD changer ejects the first disc found. The message Ejecting disc <x> . . . is displayed.
- ▶ Remove the disc from the slot when you see the message prompting you to do this. The DVD changer switches to the next occupied magazine compartment and ejects the disc.
- ▶ Repeat the last step until the magazine is empty.

Ejecting SD Memory Card

- ▶ Push the SD memory card inwards.
The SD memory card is ejected.
- ▶ Remove the memory card from the slot.

Menu Overview

CD or DVD-A or MP3	Only with DVD-A: 	Track list or Folder	Media	Sound
Normal track sequence	 Pause playback	Display track list (CD audio/DVD audio mode only)	Media selection via media list <ul style="list-style-type: none"> • CD/DVD Changer • Memory Card • Music Register • Media Interface • Aux 	Treble
Random tracks	 Stop playback	Folder list (MP3 mode only)		Bass
Random folder (MP3 mode only)	 Restart or continue playback			Balance/Fader
Switches the CD database reading function on/off (CD mode only)				Surround sound

Switching to Audio CD, Audio DVD or MP3 Mode

- ▶ Insert a CD/DVD (▷ page 132) or an SD memory card (▷ page 134). COMAND loads the medium inserted and begins playback.

or

- ▶ Press the  function button.

- i** Pressing the function button switches directly to the disc mode selected last (CD audio, DVD audio, MP3-CD or DVD video). COMAND then accesses all discs in the

DVD changer, the memory card, Media Interface or the Music Register.

- ▶ If necessary, select CD/DVD audio/ MP3 media (▷ page 138).

or

- ▶ **When playing a video DVD:** Open the media list as described in "Selecting DVD media" (▷ page 138).
- ▶ Select an audio storage medium. This switches to the required disc mode.

From Another Main Function

- ▶ Select Audio → Audio → Disc or Memory Card or Music Register in the audio menu display.

i If the desired mode is also the last active mode, you only need to select Audio.

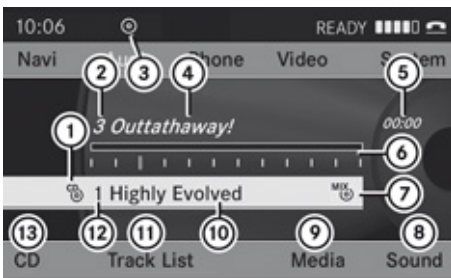
Within the Audio Function

- ▶ Select Audio → Disc or Memory card in the audio menu display.

i Disc accesses audio discs in the DVD changer, Memory Card selects the slot for the SD memory card, Music Register selects the Music Register, Media Interface selects an external device..

- ▶ Select CD/audio DVD/MP3 as required (▷ page 138).
The desired disc mode is activated.

Example of CD Audio Mode Display



- 1 Disc type
- 2 Track number
- 3 CD or DVD inserted
- 4 Track name (only if stored on the disc as CD text)
- 5 Elapsed track time
- 6 Visual track and time display
- 7 Current playback option
- 8 Sound settings
- 9 Media selection

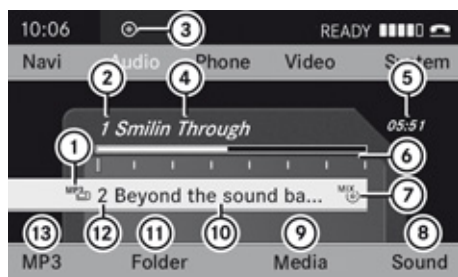
- 10 Disc name (only if stored on the disc as CD text)
- 11 Calls up track list
- 12 Storage medium position in the media list
- 13 Playback options

Example of DVD Audio Display



- 1 Disc type
- 2 Track number
- 3 CD or DVD inserted
- 4 Track name (if available)
- 5 Elapsed track time
- 6 Visual time and track display
- 7 Current playback option
- 8 Sound settings
- 9 Media selection
- 10 Disc name (if available)
- 11 Call up track list
- 12 Stop function
- 13 Pause function
- 14 Storage medium position in the media list
- 15 Playback options

Example display in MP3 mode



P82.87-2167-31

- ① Disc type MP3 or (memory card)
- ② Track number
- ③ CD or DVD inserted
- ④ Track name
- ⑤ Elapsed track time
- ⑥ Visual time and track display
- ⑦ Current playback option
- ⑧ Sound settings
- ⑨ Media selection
- ⑩ Current folder
- ⑪ Calls up folder list
- ⑫ Storage medium position in the media list
- ⑬ Playback options

i An example of a media list display can be found on (> page 138).

Stop Function

- i** This function is only available in DVD audio mode.
- ▶ Switch to audio DVD mode.
- ▶ **To interrupt playback:** Select . The display changes to .
- ▶ **To resume playback:** Select . Playback continues from the point where it was interrupted.

▶ **To stop playback:** Select again when playback is interrupted.

or

▶ Select twice in quick succession during playback. Option selector remains at .

▶ **To restart playback:** Select . Playback starts from the beginning of the DVD.

Pause Function

In CD Audio, DVD Audio and MP3 Mode

- ▶ **To pause playback:** Briefly press . appears at the top left of the status bar.
- ▶ **To continue playback:** Briefly press again. disappears.

Only in audio DVD mode

- ▶ **To pause playback:** Switch to audio DVD mode.
- ▶ Select .
- The display changes to .
- ▶ **To resume playback:** Switch to audio DVD mode.
- ▶ Select .
- The display changes to .

Selecting CD/audio DVD/MP3 Media

- ▶ **In CD audio, DVD audio and MP3 mode:** Select Media.
- or
- ▶ **In CD audio and DVD audio mode only:** Press OK when the main area is highlighted. The media list appears. The dot indicates the medium currently playing.



Media List

The media list shows the discs currently available:

- In the DVD changer (magazine compartments 1 to 6)

The following storage media can be read:

CD audio, MP3 MP3-CD or MP3-DVD, DVD-A DVD audio and DVD-V DVD video

- i** If a storage medium is not readable, an entry appears next to the magazine compartment or a message is displayed when the memory card is selected.

- SD memory card at position 7
- Music Register at position 8

▶ **To select a disc:** Press or .

▶ Press .

- i** If you select a video DVD , then this switches the unit to video mode .

Selecting a Track

- i** For many operating functions you can also use the buttons on the multifunction steering wheel, e.g. the , , or buttons, for selecting a track, a menu or scrolling through lists (\triangleright page 24).

Selection via Track Skip

▶ **To skip forwards or backwards to a track:** Press or when the main area is highlighted.

or

▶ Press the or button.

- i** “Forward track skip” skips to the next track. “Backward track skip” skips to the beginning of the current track, if the track has been playing for more than 8 seconds. If the track has been playing for less than 8 seconds, it will skip to the beginning of the previous track. If the playback option Random Tracks is switched on, the track sequence is random.

Selecting via Track List

▶ **In CD audio and DVD audio mode:** Select Track List.

or

▶ **In MP3 mode:** Press when the main area window is highlighted. The track list appears. The dot indicates the current track.

▶ **To select a track:** Press or .

▶ Press .

- i** In MP3 mode, the list shows all the tracks in alphabetical order.

Fast Forward/Reverse

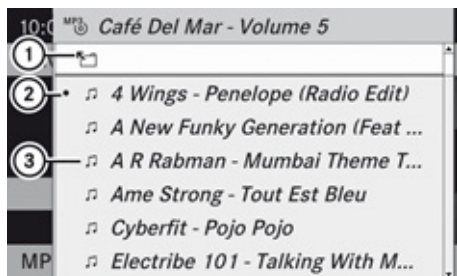
▶ **When the main area is highlighted:** Press and hold or until the desired position is reached when the main area is highlighted.

or

▶ Press and hold the or button until the desired position has been reached.


Selecting Folders

- ❗ This function is only available in MP3 mode.
- ▶ Switch to MP3 mode (▶ page 136).
- ▶ Select Folder.
- or
- ▶ Press **OK** when the main area is highlighted. The folder list appears.



P82.87-2169-31





- ① Back folder symbol
- ② Current track
- ③ Track symbol
- ④ Current folder name

- ▶ **To switch to the next folder up:** Select the  symbol. The display changes to the next folder up (back folder).



P82.87-2170-31

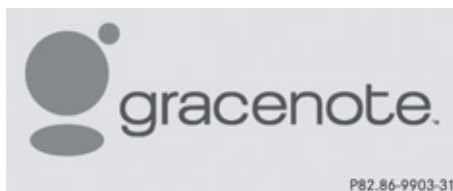
- ① Disc name (if stored on disc)
- ② Current folder
- ③ Folder symbol

- ▶ **To select a folder:** Press  or .
- ▶ Press **OK**. The tracks of the folder appear.
- ▶ **To select a track:** Press  or .
- ▶ Press **OK**. The track is played and the corresponding folder is now the active folder.

Gracenote® Media Database

- ❗ This function is only available in audio CD mode.

CD information including album title, artist name, and track name is obtained from the Gracenote® Media Database. A version of the Gracenote® Media Database is stored on the COMAND's hard drive. Access to this database is indicated by the Gracenote logo being displayed in the lower right of some audio displays.



P82.86-9903-31

Many audio CDs contain CD text. COMAND uses the information contained in this text for displaying the name of the artist, album and track.

If the audio CD does not contain any CD text, COMAND can recognize unknown audio tracks in CD audio mode with the aid of the Gracenote Media Database. For this to happen, the corresponding information must be stored in the Gracenote Media Database and the "Read CD Database" function must be switched on.

If this is the case, COMAND provides the corresponding data, such as name of artist, album and track, in the corresponding displays and lists.

If COMAND accesses the Gracenote Media Database while reading an audio CD, the following information is displayed:



Switching "Read CD Database" Function On and Off

- ▶ Switch to audio CD mode (▷ page 136).
- ▶ Select CD → Read CD Database.
The function is switched on or off depending on the previous state.

Updating the Gracenote® Media Database

As new music CD releases occur it is necessary to update the Gracenote Media Database. Optimum Gracenote® music recognition function is only achieved when the most up-to-date database is available in your vehicle.

You can have the music recognition software updated at an Authorized Mercedes-Benz center by means of a DVD or perform the update process yourself.

- i** The Gracenote® Media Database is updated at the same time as the map software (▷ page 48).

Setting Audio Format

It is only possible to set the audio format in DVD audio mode. The number of available audio formats depends on the DVD. The content of an audio DVD is called the "album", which can be divided into a maximum of nine groups. A group may contain, for example, music of different sound qualities (stereo and multi-channel formats) or bonus tracks. Each group can include up to 99 tracks. If a DVD audio only comprises one audio format, the "Group" menu item(s) cannot be selected.

- ▶ Switch to DVD audio mode (▷ page 136).
- ▶ Select DVD-A → Group.
The list of available audio formats appears. The dot • indicates the format currently selected.
- ▶ **To change setting:** Press or .
- ▶ Press .
- ▶ **To exit menu:** Press or .

Playback Options

The following options are available:

- Normal Track Sequence
You will hear the tracks in the normal order (e.g. track 1, 2, 3, etc.).
- Random Tracks
You will hear the tracks in random order (e.g. track 3, 8, 5, etc.).
- Random Folder (MP3 mode only)
You hear the tracks in the currently active folder and any subfolders in random order.
- ▶ **To select an option:** Switch to CD audio, DVD audio or MP3 mode (▷ page 136).
- ▶ Select CD or DVD-A or MP3.
The option list appears. A dot • indicates the option selected.
- ▶ Select an option.
The option is activated. For all options except Normal Track Sequence, you will see a corresponding display in the main area.

i The Normal Track Sequence option is automatically selected when you change the medium which is currently being played or when you select another medium. An activated option remains active after COMAND is switched on or off.

Music Register

You can store MP3 and WMA files in the Music Register. The memory capacity is 4 GB.

! Keep your original music files in a safe place. A fault with the COMAND may cause the music files stored in the Music Register to be lost. Mercedes-Benz USA, LLC is not liable for any loss of data.

Switching to the Music Register

From Another Main Function

► Select Audio → Audio → Music Register in the Audio menu display.

i If Music Register was the last mode, you only need to select Audio.

Within the Audio Function

► Select Audio → Music Register. Music Register is loaded. The Music Register display appears.

No music files available:

A message will be displayed.

► First copy music files to the Music Register (▷ page 142).

Music files available:

You will hear the first track of the first folder found or playback will start from the point listened to last.



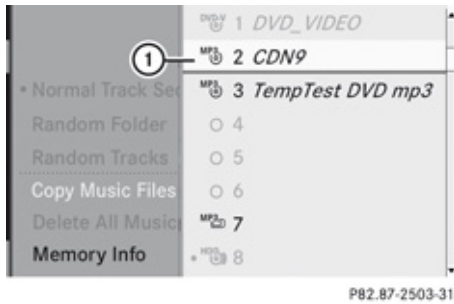
F82.87-2172-31

- ① Storage media type – Music Register ^{HDD}
- ② Track number
- ③ CD or DVD inserted
- ④ Track name
- ⑤ Elapsed track time
- ⑥ Visual time and track display
- ⑦ Current playback option
- ⑧ Sound settings
- ⑨ Media selection
- ⑩ Current folder
- ⑪ Folder functions
- ⑫ Storage medium position in the media list
- ⑬ Calls up Music Register menu

Copying Music Files into the Music Register

i CD information, including album, title, artist name and track name is obtained from the Gracenote® Media Database (▷ page 140).

- ▶ In the Music Register submenu select Copy Music Files.
The Media List menu appears on the submenu.



P82.87-2503-31

- ▶ **To select medium:** Press or until desired medium is selected.
 - ▶ Press .
- If the medium contains files that can be copied, a track list appears.

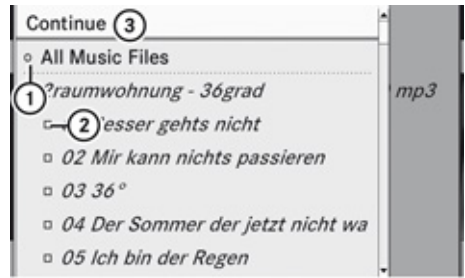
Selecting Files to Be Copied

Selecting All Files

- ▶ Switch the check box next to All Music Files on.
The check boxes of All Music Files and of all files in the list are checked.

Selecting Individual Files

- ▶ Select individual files to be copied by switching the check mark next to each file entry on or off.



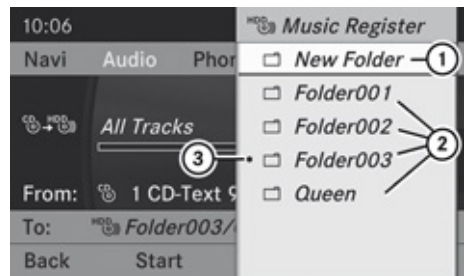
P82.87-2504-31

- ① Copy all files (default)
- ② Option for selecting individual files
- ③ Confirm selection

i If you do not select individual files before recording, all files on the CD will be recorded.

Selecting a Destination Folder

- ▶ Press or until Destination Folder is highlighted.
- ▶ Press .



P82.87-2505-31

Selection list

- ① Create new folder (default)
- ② Existing folders
- ③ Currently active folder

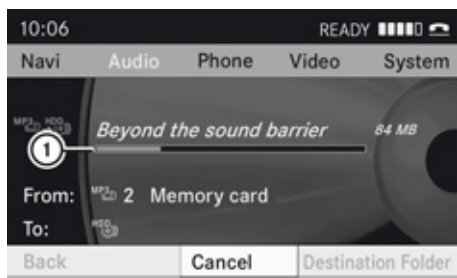
- ▶ **To select folder:** Press or .
- ▶ Press .

i If you do not select a destination folder before recording, a new folder will be created.

Start the Copying

- ▶ Press or until Start is highlighted.
 - ▶ Press .
- In the display information about source, destination and progress of the recording is shown.

The Disc menu re-appears automatically after a successful copying.



P82.87-2506-31

- ▶ **To stop the copying:** Press or until Cancel is highlighted..
 - ▶ Press .
- The Disc menu re-appears.

Deleting all Music Files

This function deletes all music files from Music Register.

- ▶ Select Music Register → Delete All Music Files.
- A prompt appears. No is highlighted.
- ▶ **Do not delete:** Press the button.
- The Music Register display appears.
- ▶ **To delete:** Select Yes.
- A corresponding message appears.

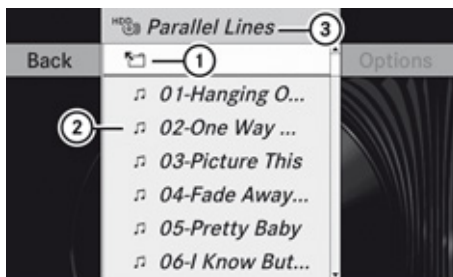
Calling up Memory Space Info

- ▶ Select Music Register → Memory Info. A window appears containing information on:
 - Memory capacity
 - Available memory
 - Occupied memory
 - Content (folders, files)

Folder Functions

You can view the content of Music Register, change folder or track names and delete individual folders or tracks.

- ▶ Select Folder in the submenu.
- or
- ▶ Press when the main area is highlighted.



P82.87-2176-31

- ① Back folder symbol
- ② Music file symbol
- ③ Current folder

- ▶ **To switch to the next folder up:** Select the symbol.
- The display changes to the next folder up.

Changing Folder/File Name

- ▶ Select Folder.
- ▶ **To select a folder/file:** Press or .
- ▶ Select Options → Change.

- ▶ Enter a name for the folder/track in the input line.
- ▶ **To save changes:** Select .

Deleting Folders/Track

- ▶ Select Folder.
 - ▶ **To select a folder/track:** Press or .
 - ▶ Select Options → Delete.
A query appears. No is highlighted.
 - ▶ **Do not delete:** Press the button.
 - ▶ **To delete:** Select Yes and press .
- A message appears.

Playback Options

The following options are available:

- Normal Track Sequence
You will hear the tracks in the normal sequence (e.g. track 1, 2, 3 etc.).
 - Random Tracks:
You hear the tracks in random order.
 - Random Folder
The tracks of the currently active folder and any subfolders are heard in random order.
 - ▶ **To select an option:** Switch to Music Register (▷ page 142).
 - ▶ Select Music Register in the submenu.
The option list appears. A • dot indicates the activated option.
 - ▶ Select an option.
The option is activated. A corresponding display will appear in the main area for all options except Normal Track Sequence.
- i** The option Normal Track Sequence is automatically activated if you change the medium which is currently being played or if you select another medium. An activated option remains active after COMAND is switched on or off.

Media Interface

Important Notes

Connection Options

Via the UCI connection (Universal Consumer Interface) you can connect the following media to COMAND:

- iPods
- MP3 player
- USB devices

Supported iPod Versions

The following iPod versions are fully supported:

- iPod Mini
- iPod nano
- iPod nano 4G
- iPod nano 5G

Supported USB Devices

The following USB devices are supported:

- USB sticks (flash memory)
- USB hard drives (1-inch, 1.8-inch and 2.5-inch drives) with a starting/continuous current rating of maximum 800 mA (otherwise a separate power supply will be necessary)

- i** The Media Interface supports USB storage media of "USB Device Subclass 6". You can obtain information about the "USB Device Subclass 6" from the manufacturer.

Supported Data Formats (USB devices)

The following data types are supported:

- MP3: CBR, VBR (up to 320 kbit/s)
- WMA: CBR, VBR (up to 320 kbit/s)

In order to display the metadata during playback, ID3 tags (version 1.x, 2.3, 2.4) and WMA tags in ASCII and UTF 16 coding are supported.

Notes on USB Devices

- In order to keep the initialisation time short, do not store data other than music files on the USB device.
- Up to eight directory levels with up to 1,000 tracks are supported.
- Do not use a USB extension cable or adapter. These may impair functionality.
- Playlists are searched for in the background on the USB device and, if available, are offered beside folders in a separate category.

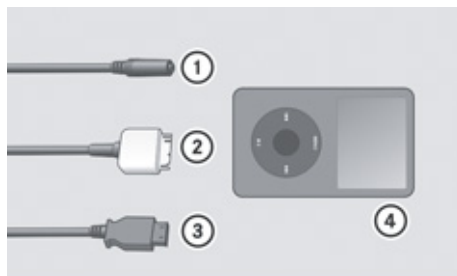
i Files protected with DRM (Digital Rights Management) are not supported by the Media Interface.

Connecting External Devices

You will find the connection sockets in the glove compartment.

Never connect more than one device at a time. Please consult a Mercedes-Benz Service Center for further information.

i Do not leave external devices in the vehicle, as functionality cannot be guaranteed above certain temperatures (such as inside a vehicle in direct sunlight). Mercedes-Benz does not take responsibility for any damage to external devices.



P82.60-6736-31

- ① Connection socket for 1/8 inch jack plug, for MP3 players, for example.
- ② iPod plug for connecting an iPod

- ③ USB socket for connecting a USB device
- ④ Example device: iPod

► Connect the external device using appropriate connection ①, ② or ③. Never connect more than one device at a time. You will otherwise not be able to play back from the external device. COMAND activates the device.

If you remove a device, the No Device Connected message appears.

i The connected iPod or USB device should not be operated with a remote control (such as a Bluetooth remote control) while it is being operated with Media Interface, as this could cause unforeseen technical difficulties.

i The initialisation period may be extended if you connect an iPod or USB device which has a fully discharged battery.

i Error messages appear while the device is being activated if:

- you have connected two devices at the same time
- COMAND does not support the device connected
- the device connected consumes too much power
- the Media Interface connection is defective

If necessary, consult a Mercedes-Benz Service Center.

Switching to Media Interface

From Another Main Function

► Select Audio → Audio → Media Interface in the audio menu display.

i If you previously selected operation with Media Interface, you need only select Audio.

or

- ▶ Press the **DISC** function button.
Switch on the previous disc operating mode.

i If you previously selected operation with Media Interface, it will now be switched on.

- ▶ Press number key **0**.
This will automatically select the audio device connected.

or

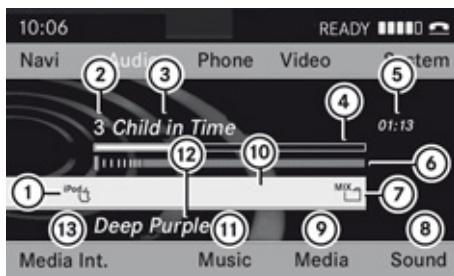
- ▶ Select Media.
The media list appears. The **•** dot indicates the current medium being played.

- ▶ Press **▲** or **▼** until position 0 is highlighted in the media list.

i If no device is connected, you will see the entry Media Interface instead of a device name.

If COMAND does not support the device connected or if two devices have been connected, the Not available entry appears.

- ▶ Press **OK**.
COMAND activates the connected device. You will see a corresponding message. The basic display then appears.



P82.87-2507-31

Example display: iPod operation

- 1 Device type
- 2 Track number
- 3 Track name
- 4 Visual elapsed track time
- 5 Numeric elapsed track time (also in format 00:00:00 for audiobooks)

- 6 Visual track display
- 7 Current playback option
- 8 Sound settings
- 9 Media list
- 10 Album name, if available
- 11 Categories, playlists and/or folders
- 12 Artist, if available
- 13 Playback options

i If the device connected does not contain any playable tracks, a corresponding message appears.

Within the Audio Function

- ▶ Connect an external device (▷ page 146).
COMAND activates the device. The basic display appears.

or

- ▶ Press number key **0**.

or

- ▶ Select Audio → Media Interface.

i You can tell which type of device **1** has been connected by the corresponding icons for iPod, MP3 player or USB mass storage device.

Selecting Music Files

i COMAND displays the data stored on the iPod, MP3 player or USB mass storage device in the storage structure used in the medium in question.

Selecting by Skipping to a Track

- ▶ **To skip forwards or backwards to a track:** Press **▶** or **◀**.


or


- ▶ Press the **▶▶** or **◀◀** button.

i Skipping forwards skips to the next track. Skipping backwards skips to the beginning of the current track if the track has been playing for more than 8 seconds. If the

track has been playing for less than 8 seconds, it skips to the start of the previous track. If you have selected a playback option other than Normal Track Sequence, the track sequence is random.


Selecting by Manual Track Number Entry

► **To make an entry:** Press the  button. An input menu appears. The number of possible input places depends on the number of tracks stored.



► **To enter a track number:** Press a number key, such as . The number is entered in the first position in the input line.

i If an invalid number is entered, COMAND will ignore it and it will not be displayed.



► Enter more numbers if desired.

► **To confirm your entry:** Press the  button. The selected track is played.

Fast forward/rewind

► When the main area is highlighted, press and hold  or  until the desired position has been reached.

or

► Press and hold the  or  button until the desired position has been reached.

Selecting a Category/Playlist/Folder

iPods and MP3 Players

You can select tracks for iPod and MP3 players with categories and folders.

Depending on the connected device, the categories may include:

- Current track list
- Playlists (e.g. All, My top 25 or Music videos)
- Artists
- Albums
- Podcasts
- Audiobooks
- Genres
- Composers

i Some playback categories contain the All entry. Further entries of this type can follow depending on the hierarchy level. After selecting a title at the track level, the entire content of the category selected will be played.

USB Devices

For USB mass storage devices, you can select folders and also playlists (if available). COMAND can also display the album name and artist ("metadata") during playback, if this information was previously entered into the system.

Playlists are shown in the display with a particular icon. When you open the playlist, the corresponding tracks are opened and playback begins. Now Random Categories is available as a playback option instead of Random Folder.

For USB mass storage devices, you can determine whether metadata from the tags in the coded music data should be displayed or whether the file name and directory should be displayed during playback.

► Select Media Interface → Display Metadata.

Selecting a Category and Opening a Folder

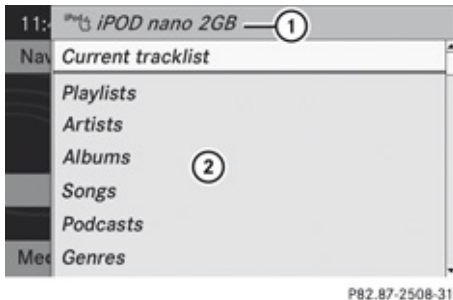
► **To open a category list/folder:** Press **OK** when the main area is highlighted.

or

► Select **Music**.

You will see the available categories or the folder content (e.g. other folders). The category selected or the folder name is in the status bar of the display.

i The **Music** menu item is not available until the device has been activated.



P82.87-2508-31

① Device name and device icon

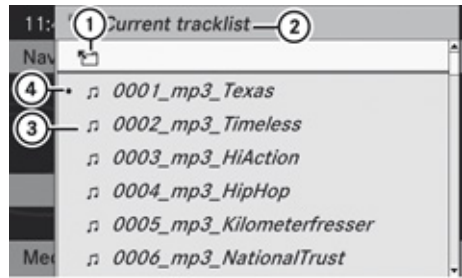
② Selectable categories

► **To select a category/folder:** Press **▲** or **▼** and confirm with **OK**.

You will see the content of the selected category or selected folder.

i You may see the **Please wait...** message beforehand.

► If necessary, repeat this operating step until the tracks in the desired folder appear.



P82.87-2509-31

① Symbol for back folder

② Current category

③ Track icon

④ Current track

► **To select a track:** Press **▲** or **▼** and confirm with **OK**.

The track is played.

or

► Select an album or folder and confirm this by holding down **OK**.

You see the **Please wait...** message. The track list then appears.

► **To select a track:** Press **▲** or **▼** and confirm with **OK**.

After that, the first track of the album/folder is played.

► **To switch to the next folder up:** Select the **⏪** icon.

i The **⏪** icon is always listed right at the top of the folder in question.

Playing the Content of a Category or Folder


► Select a category or folder.

► Press **OK** for longer than two seconds.


The content of the category or folder selected is played in accordance with the playback option (► page 150) selected.

Alphabetical Track Selection

iPods and MP3 Players

- i** This function is available for categories which are arranged in alphabetical order. This function is not available for playlists, for example.
 - ▶ Select a category, e.g. artists. The available artists appear.
 - ▶ Press the corresponding number key once or repeatedly to select the initial letter of the desired artist. For example, to select an artist whose name begins with C, press the number key  three times. You see the available letters at the bottom edge of the display. After a message, the first entry in the list which matches the letter entered is highlighted.
 - i** If there is no entry which matches the letter which has been entered, the last entry in the list which matches a previous letter is highlighted.

USB Devices

- i** This function is available for directories which are arranged in alphabetical order. This function is not available for playlists.
 - ▶ Press the number key in question once or repeatedly in a directory to select the initial letter of the desired artist. For example, to select an artist whose name begins with C, press the number key  three times. You see the available letters at the bottom edge of the display. If the directory only contains folders, COMAND searches for folders. The first entry in the list that matches the letter is highlighted. If this does not happen, COMAND searches for tracks. After a message, the first entry

in the list which matches the letter entered is highlighted.

Selecting the Active Partition (USB Devices Only)

You can select this function for USB devices when the storage device is partitioned. Up to four partitions (primary or logical and FAT-formatted) are supported.

- i** The Windows formatting program supports FAT partitions with either FAT16 or FAT32.
 - ▶ Select Media Interface → Active partition.

Playback Options

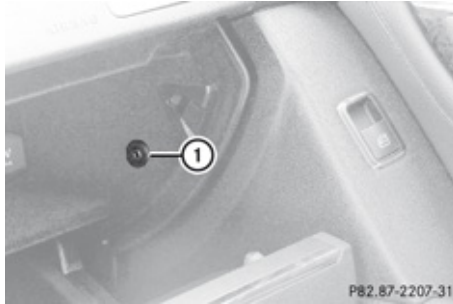
The following options are available to you:

- **Normal Track Sequence:** You hear the tracks in their normal order (numerical or alphabetical).
- **Random Tracks:** You hear all tracks in random order.
- **Random Categories or Random Folder** (in the case of USB devices when Folder has been selected): You hear the tracks in the current active category or folder and any subfolders in random order.
 - ▶ **To select an option:** Select Media Interface in the basic display. The option list appears. A • dot indicates the option selected.
 - ▶ Select an option.

Audio Aux

An external audio source (Aux) can be connected to COMAND via the 1/8 inch jack

① located inside the glovebox.



P82.87-2207-31

Switching to Audio Aux Mode

From Another Main Function

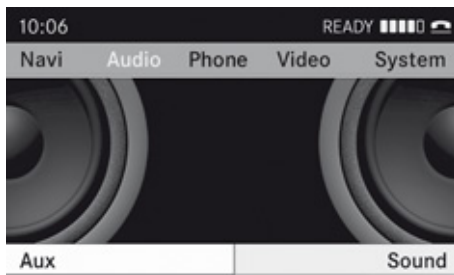
► Select Audio → Audio → Aux in the audio menu display.

❗ If the last mode was audio AUX mode, you only need to select Audio.

Within the Audio Function

► Select Audio → Aux.

The Audio Aux menu appears. The medium in the external audio source is heard, provided it is connected and switched to playback.



P82.87-2177-31

❗ Please see the corresponding operating instructions for how to operate the external audio source.

You can set the following in audio Aux mode:

- Volume (▷ page 32)
- Balance and fader (▷ page 33)
- Treble and bass (▷ page 32)
- Surround sound (▷ page 33)

⚠ Warning

Due to the different volumes of the external audio sources, system messages (e.g. navigation announcements) may be much louder. You may need to disable these system messages or adjust the volume of these messages manually.

❗ The volume of external audio sources is extremely variable. It is possible that a device connected as an external audio source will sound quieter or louder in the vehicle or that the usual maximum volume cannot be achieved. On certain devices the volume can be set separately. In this case, start at a moderate volume and increase it slowly. In this way, you can determine whether the system is capable of playback without distortion, even at high volume.

General Information	154
Submenu Overview	156
DVD Video	156
Video Aux	161

General Information

Safety Instructions

Warning

COMAND is classified as a Class 1 laser product. You must not open the casing. There is a risk of exposure to invisible laser radiation if you open the casing, or if the casing is faulty or damaged.

COMAND does not contain any parts that you are able to maintain yourself. For safety reasons, all maintenance work must be exclusively carried out by qualified technicians.


Warning

Only carry out the following when the vehicle is stationary:

- Inserting a disc
- Ejecting a disc

There is a risk of accident by being distracted from road and traffic conditions if you load a CD/DVD while the vehicle is in motion.

Vehicle Equipment

-  This Operator's manual describes all features, standard or optional, potentially available for your vehicle at the time of purchase. Please be aware that your vehicle might not be equipped with all features described in this manual.


Automatic Picture Switch-off


If the vehicle is traveling faster than approximately 3 MPH, the picture will switch off automatically in DVD video mode.


The following message appears in the display: In order not to distract you from the traffic situation, the picture is faded out while the vehicle is in motion.

As soon as the vehicle speed drops below approximately 3 MPH, the picture switches back on again.

Notes on Storage Media

-  When playing copied discs, problems may occur with the playback. A wide variety of disc-writing software and writers are available. Due to this variety we cannot guarantee that the system will be able to play discs that you have written/copied yourself.

-  Do not affix stickers or labels to the discs, as they could peel off and damage COMAND. Stickers can cause the disc to bend, which can result in read errors and disc recognition problems.

-  COMAND is designed to hold discs which comply with the EN 60908 standard. You can therefore only use discs with a maximum thickness of 1.3 mm. If you insert thicker discs, e.g. those that contain data on both sides (DVD on one side and audio data on the other), they cannot be ejected and can damage COMAND. Do not use discs with a diameter of 8 cm, even with an adapter. Only use round discs with a diameter of 12 cm.

Notes on the Care of Discs

- Only hold discs by the edge.
- Handle discs with care in order to prevent malfunctions during playback.
- Avoid scratching, leaving fingerprints and dust on the discs.
- Clean the discs occasionally with a commercially available cleaning cloth. Always wipe in a straight line from the inside outwards, never in a circular motion.

- The discs must only be labelled using pens specially designed for this purpose.
- After use, replace the discs into the sleeve.
- Protect the discs from heat and direct sunlight.

DVD Playback Conditions

Some DVDs may not comply with the NTSC or PAL TV playback standards. Sound, picture and other playback problems may occur when you play such DVDs.

As standard, COMAND can play video DVDs which meet the following criteria:

- Region code 1 or region code 0 (no region code)
- **i** With a video DVD having another region code, a corresponding message will be displayed.
- PAL or NTSC TV standard


Information on this can usually be found either on the DVD itself or on the DVD sleeve.

- **i** The factory setting for COMAND is region code 1. An authorized Mercedes-Benz Center can change this setting. This will

enable you to play video DVDs with other region codes, provided that they have been made to the PAL or NTSC TV standard.

Functional Restrictions

It may be the case that some functions or actions may not be possible at certain times, or may not be possible in general, depending on the DVD.

When you activate such functions or actions, this is indicated by the  in the display.

Loading a DVD

- ▶ Proceed as described in the "Loading CDs and DVDs" section (▷ page 132).

Ejecting a DVD

- ▶ Proceed as described in the "Ejecting CDs and DVDs" section (▷ page 134).

Submenu Overview

DVD-Video	⏸▶	■	Media	Sound
DVD functions	⏸ Pauses playback	■ Stops playback	Medium selection	Treble
Brightness	▶ Resumes playback			Bass
Contrast	▶ Restarts playback			Balance/Fader
Color				Surround sound
16:9 Optimized				
4:3				
Widescreen				

DVD Video

Switching to DVD Video

From the Control Panel

- ▶ Load DVD video (▷ page 132).
COMAND loads the medium inserted and starts playing it.

or

- ▶ **From another main function:** Press the **DISC** function button.
The function button takes you directly to the last active disc mode (audio CD, audio DVD, MP3 CD, media interface or video DVD). COMAND accesses all discs in the DVD changer.

If you previously selected video DVD mode, it will now be switched on.

If you have another disc mode activated:

- ▶ Select **Media**.
The media list appears.
- ▶ Select a video DVD (▷ page 157).

Displaying/Hiding Control Menu

- ▶ **To display:** Press **▲** or **▼**.
 - ▶ **To hide:** Press **▲** or **▼**.
- or
- ▶ Wait approximately eight seconds.



P82.87-2178-31

Control menu displayed

- ① Disc type
- ② Current track
- ③ Current scene
- ④ Elapsed track time
- ⑤ Displays menu system

Displaying/Hiding Menu System

▶ **To show:** Press **OK**.

or

▶ When the control menu is shown, select Menu.

▶ **To hide:** Press **▲** and select Full screen.



P82.87-2179-31

Menu system displayed

- ① Video DVD Video menu
- ② Pause function
- ③ Stop function
- ④ Media selection
- ⑤ Sound settings

Fast Forward or Rewind

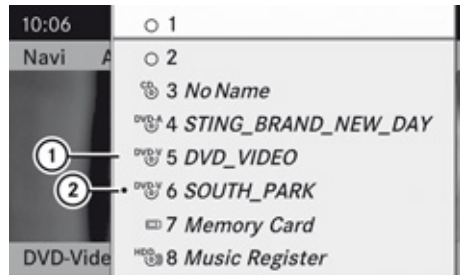
▶ Press **▶▶** or **◀◀** until the desired position is reached.

or

▶ Press and hold **◀◀** or **▶▶** in the control panel until the desired position has been reached.
You see the control menu.

Selecting DVD Media

- ▶ In DVD video mode, if necessary display the menu system (▷ page 157).
- ▶ Select Media.
The media list appears. The ● dot indicates the current medium being played.



P82.87-2180-31

Media list

- ① Symbol for DVD video
- ② Video DVD currently playing

▶ **To select video** **DVD**: Press **▲** or **▼**.

▶ Press **OK**.
COMAND switches the medium.

i If you select a CD-/DVD-audio or MP3 medium, the system switches to the corresponding audio mode (▷ page 138).

Stop Function

▶ In video DVD mode, display the menu system if necessary (▷ page 157).

▶ **To interrupt playback:** Select **■**.
The display **■** changes to **▶**.

▶ **To resume playback:** Select **▶**.
Playback continues from the point where it was interrupted. The menu system is hidden.

▶ **To stop playback:** Select **■** again while playback is interrupted.

or

▶ Select **■** twice in quick succession during playback.
Selection is at **▶**.

▶ **To restart playback:** Select **▶**.
Playback restarts from the beginning. The menu system is hidden.

Pause Function

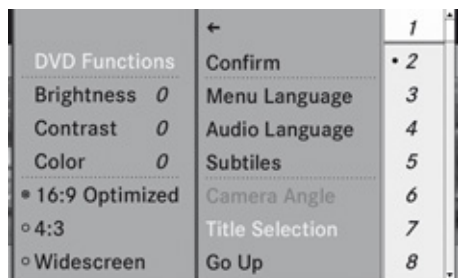
- ▶ In video DVD mode, display the menu system if necessary (▷ page 157).
- ▶ **To pause playback:** Select **||**.
The display **||** changes to **▶**.
- ▶ **To resume playback:** Select **▶**.
The menu system is hidden.

Selecting a Scene/Chapter

- ▶ **To skip forwards or backwards:**
Press **▶** or **◀**.
or
- ▶ Press the **◀◀** or **▶▶** button on the control panel.
The control menu (▷ page 156) appears for approximately 8 seconds.

Selecting a Film/Track

- i** This function is only available if the DVD is divided into several films/tracks.
- ▶ Display the menu system if necessary (▷ page 157).
- ▶ Select DVD-V → DVD Functions.
A menu appears.



P82.87-2181-31

DVD function menu

- ▶ Press **▶** or **◀** until Title Selection is selected.
- ▶ **To open selection list:** Press **OK**.
- ▶ Select a film/track.

Picture Settings

Adjusting the Brightness, Contrast or Color

- ▶ Display the menu system if necessary (▷ page 157).
- ▶ Select DVD-V → Brightness, Contrast or Color.
- ▶ **To change the setting:** Press **▲** or **▼** until the desired setting is reached.
- ▶ **To save the setting:** Press **OK**.

Changing the Picture Format

- ▶ Display the menu system if necessary (▷ page 157).
- ▶ Select DVD-V.
The DVD-V menu appears. The filled-in option button in front of one of these menu items: 16:9 Optimized, 4:3 or Widescreen indicates the format currently selected.
- ▶ **To change the format:** Press **▲** or **▼** until the desired format is selected.
- ▶ **To save the setting:** Press **OK**.

DVD Menu

- i** The DVD menu is the menu stored on the DVD itself. It is structured in various ways according to the individual DVD and permits certain actions and settings.

Opening the DVD Menu

- ▶ In DVD video mode, if necessary display the menu system (▷ page 157).
- ▶ Select DVD-V → DVD Functions → Menu.
The DVD menu appears.

Selecting Menu Items in the DVD Menu

- ▶ Press , , or .
 - ▶ **To confirm your selection:** Press .
The selection menu appears.
- i** Menu items which cannot be selected are greyed out.

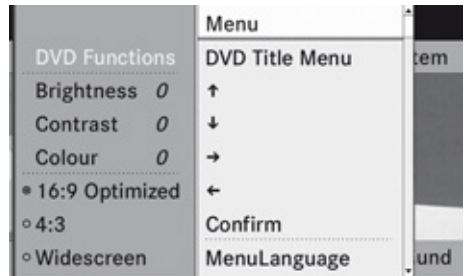


- ▶ **To confirm selection:** Select Select.
COMMAND will perform the action or displays a submenu represented by the menu item selected in the DVD menu. If necessary select from further options in the same way.
COMMAND then switches back to the DVD menu.

- i** Depending on the DVD, it is possible the menu item Play either has no function or no function in certain parts of the DVD menu. This is indicated by the symbol on the display.

or

- ▶ In DVD video mode, if necessary display the control menu (▷ page 157).
- ▶ Select Menu → DVD Video → DVD Functions
- ▶ Select a directional arrow to navigate the DVD menu.



DVD menu


Stopping Film or Skipping to the Beginning or End of a Scene

- ▶ Select any menu item from the DVD menu.
The selection menu appears.
- ▶ **To stop a film:** Select Stop from the menu.
- ▶ **To skip to the end of a scene:** Select from the menu.
- ▶ **To skip to the beginning of a scene:** Select from the menu.


- i** Depending on the DVD, the and menu items may not function at all or may not function at certain points in the DVD menu. You will see the symbol in the display as an indicator.

Moving up one Level in the DVD Menu

- ▶ Press the button.
or
- ▶ Select the corresponding menu item in the DVD menu.
or
- ▶ Select any menu item from the DVD menu.
- ▶ Select Go Up from the selection menu.




- i** Depending on the DVD, the Play menu item may not function at all or may not function at certain points in the DVD menu. You will see the  symbol in the display as an indicator.

Back to the Movie




- ▶ Press the  button repeatedly until you see the film.
or
- ▶ Select the corresponding menu item in the DVD menu.
- ▶ Select the Back (to movie) menu item from the selection menu.

- i** Depending on the DVD, the Back (to movie) menu item may not function in general or may not function at certain points in the DVD menu.

Setting the Language and Audio Format

- i** This function is not available on all DVDs. Where available, you can set the DVD menu language and the audio language or audio format. The number of possible settings is dependent on the DVD content. It is possible that the settings may also be accessed in the DVD menu (▷ page 158).
- ▶ Display the menu system if necessary (▷ page 157).
 - ▶ Select DVD-V → DVD Functions.
 - ▶ Select Menu Language or Audio Language.
Both of these will bring up a selection menu after a few seconds. The **•** dot in front of an entry indicates the currently selected language.
 - ▶ **To change the setting:** Press  or  until the desired setting is reached.
 - ▶ **To save the setting:** Press .





Subtitles and Camera Angle

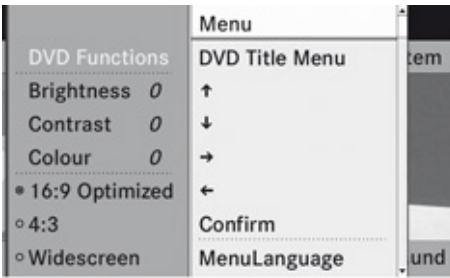
- i** These functions are not available on all DVDs. The number of subtitle languages and camera angles available depends on the content of the DVD. It is possible that the settings may also be accessed in the DVD menu (▷ page 158).
- ▶ Display the menu system if necessary (▷ page 157).
 - ▶ Select DVD-V → DVD Functions.
 - ▶ Select Subtitles or Camera Angle.
Both of these will bring up a selection menu. The **•** dot in front of an entry indicates the current setting.
 - ▶ **To change the setting:** Press  or  until the desired setting is reached.
 - ▶ **To save the setting:** Press .

Interactive Content

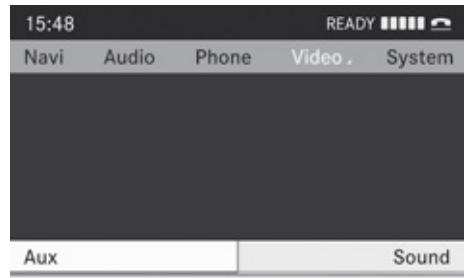
DVDs may have interactive content (e.g. a video game).

In a video game, for example, you can control the play by selecting or triggering actions. The type and number of actions is dependent on the DVD.

- ▶ **To select an action:** Press  or .
 - ▶ **To trigger an action:** Press .
A menu appears and the first entry, Select, is highlighted.
 - ▶ Press .
- or
- ▶ In DVD video mode, if necessary display the control menu (▷ page 157).
 - ▶ Select Menu → DVD-Video → DVD Functions.
 - ▶ Select a directional arrow to select or trigger an action.



P82.87-2183-31



P82.87-2184-31

The way you can control the actions depends on the DVD.

Video Aux

Aux Connectors

An external video source (Video AUX) can be connected to COMAND via the Media Interface (▷ page 146) 1/8 inch jack located inside the glovebox.

Switching to Video Aux

From Another Main Function

▶ Select Video → Video → Video Aux

- ❶ If Video Aux mode was active last, you only need to select Video.

Within the Video Function

▶ Select Video → Video Aux

The Video Aux menu appears. The medium in the external video source is played, provided it is connected and switched to playback.

- ❷ Please refer to the relevant operating guide for operation of the external video source.

Video Aux Settings

The following settings can be made in Video Aux mode:

- Volume (▷ page 32)
- Balance and fader (▷ page 33)
- Treble and bass (▷ page 32)
- Surround sound (▷ page 33)
- Picture (▷ page 158)

Warning

Due to the different volumes of the external audio sources, system messages (e.g. navigation announcements) may be much louder. You may need to disable these system messages or adjust the volume of these messages manually.

- ❸ The volume of external audio sources is extremely variable. It is possible that a device connected as an external audio source will sound quieter or louder in the vehicle or that the usual maximum volume cannot be achieved. On certain devices the volume can be set separately. In this case, start at a moderate volume and increase it slowly. In this way, you can determine whether the system is capable of playback without distortion, even at high volume.

General Information	164
Basic Functions	169
System Settings	170
CD/DVD Audio and MP3 Operation .	171
DVD Video Operation	175
Aux Operation	180

General Information

Vehicle Equipment

- i** This Operator's manual describes all features, standard or optional, potentially available for your vehicle at the time of purchase. Please be aware that your vehicle might not be equipped with all features described in this manual.

Overview

This chapter describes the RSE (Rear Seat Entertainment) system:

- Basic functions (▷ page 169)
- System settings (▷ page 170)
- CD/DVD audio and MP3 operation
- DVD Video operation (▷ page 175)
- AUX operation (▷ page 180)

Safety Instructions

Warning

The RSE CD/DVD player is a Class 1 laser product. There is a danger of invisible laser radiation when you open or damage the cover.

Do not remove the cover. The RSE CD/DVD player does not contain any parts which can be serviced by the user. For safety reasons, have any necessary service work performed by qualified personnel.

Warning

The driver should not wear a Rear Seat Entertainment headset while operating the

vehicle under any circumstances. The use of a headset while driving the vehicle could drastically impair the ability to react to audible traffic conditions (e.g. emergency sirens from police/fire/ambulance, another car's horn, etc.).

Warning

When not in use, headsets or external video sources should be stored in a safe location (e.g. one of the vehicle's storage compartments) so that they are not loose within the passenger compartment during braking, vehicle maneuvers or a traffic accident. Objects moving within the passenger compartment could cause serious personal injury to vehicle occupants.

Warning

Due to a potential choking hazard, wired headset usage by children should only occur with adult supervision.

Rear Seat Entertainment Components

The rear-seat entertainment system consists of:

- two display screens behind the head rests of front-seats
- a remote control
- a CD/DVD drive
- Aux connectors on the drive and display screens for connecting external devices
- two wireless headsets

Display Screens



P82.87-2510-31

- ① Connector for wired headset
- ② Aux connectors
- ③ Display
- ④ Infra-red sensors

Remote Control



P82.87-2052-31

- ① Switching the display screen on or off
- ② Switching on/off the key illumination
- ③ Selecting the display screen (left/right)
- ④ Selecting menu item or menu (arrows)
- ⑤ Confirming selection (OK)
- ⑥ Muting the playback

- ⑦ Setting the Volume (wired headset)
- ⑧ Skipping tracks forward/backward
- ⑨ Selecting a title directly
- ⑩ Leaving a menu

Selecting the Active Display Screen for the Remote Control

With the remote control you can select which of the two display screens is responsive to the remote control.

- ▶ **Selecting the left/right display screen:**
Rotate the wheel ③ until **L** or **R** appears in the small window.

Switching On/Off the Display Screen

- ❗ If the ignition key is in position 0 or 1 (▷ vehicle operating guide) or the key is not inserted, the display screens are switched off automatically after 30 minutes. Before switching off a corresponding message appears.

You can switch on the screen(s) again but be aware it will continue to discharge the vehicle battery.

- ▶ Point the remote control to the active screen and press the button On/Off ① on the remote control.
The display screen is switched on or off.
- ❗ Switching on with the remote control is only possible if the ignition is on.

Muting the Audio Playback (Only Wired Headset)

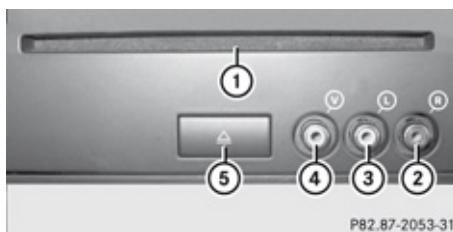
- ▶ Press the button ⑥ on the remote control.
Depending on the previous state the sound is switched on or off.

Selecting a Menu Item and Confirming the Selection

- ▶ **Selecting the menu item:** Press the arrow buttons ④ on the remote control.
- ▶ **Confirming the selection:** Press the OK button ⑤.

CD/DVD Drive and Aux Connectors

The CD/DVD drive is located in central position behind the front seats.



- ① CD/DVD slot
- ② Aux, right (R) connector for audio signal
- ③ Aux, left (L) connector for audio signal
- ④ Aux, connector for video signal (V)
- ⑤ CD/DVD eject button

The Aux connectors shown here represent the source Disk Drive Aux. The same connectors are available at the display screens. These represent the Aux source Display Aux (▷ page 180).

Wireless Headsets



P82.87-2054-31

- ① Setting the volume
- ② Selecting the display screen
- ③ Battery compartment
- ④ Switching headset on/off
- ⑤ State Indicator LED

- ▶ Adapt the fit of the headset by pulling the headset clamp as indicated by the arrows in the figure above.

Switching ON/Off the Wireless Headset

- ▶ Press button ④.
Depending on the previous state the headset is switched on or off. In order to preserve battery charge, the headset is switched off if there is no IR signal reception for appr. 3 minutes.

Setting the Wireless Headset Volume

- ▶ Turn the Thumb wheel ① to set the desired volume.

- i** If you have connected a wired headset to a display screen, you can set the volume with the button ① of the remote control (▷ page 165).

Selecting the Display Screen for the Headset

- ▶ Rotate the wheel ③ until **L** or **R** appears in the small window.

State Indicator LED

The color of the LED indicates:

- if the headset is switch on or off
- the battery condition

Color	State
Green	Headset is switched on and the batteries are full.
Dark	Headset is switched off or the batteries are empty or not inserted.
Red	Headset is switched on and the batteries are almost empty.

Connecting Additional Headsets

You can connect wired headsets to both of the display screens. The socket is suitable for headsets with 1/8" stereo jacks and 32 Ohm impedance (▷ page 165).

Replacing the Batteries

You need batteries for the remote control and the wireless headset.

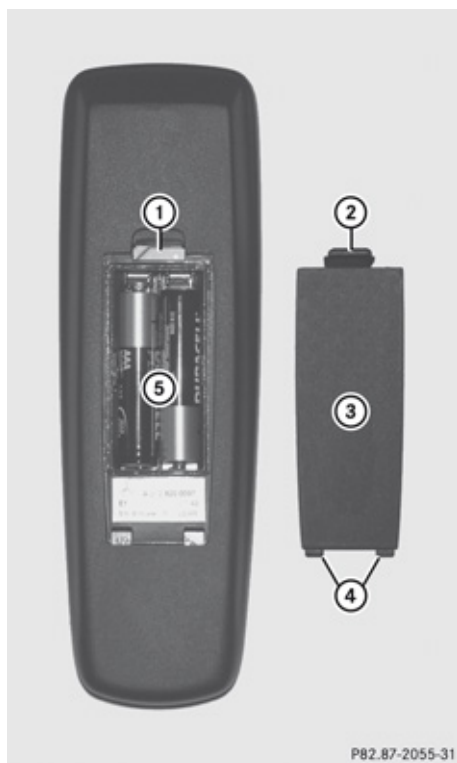
Warning

Keep batteries out of the reach of children. Immediately seek medical help if a child swallows a battery. Batteries are not to be short-circuited, dismantled or thrown into fire.

Environmental Note

Batteries contain materials that can harm the environment if disposed of improperly. Recycling of batteries is the preferred method of disposal. Many states require sellers of batteries to accept old batteries for recycling.

Remote Control Batteries



The remote control contains two batteries of size AAA, 1.5 V.

- ▶ Remove the cover of the battery compartment ③ on the back of the remote control by pressing down the snap-fit hook ②.
- ▶ Take out the empty batteries ⑤.
- ▶ Insert the new batteries. Mind the polarity marks on the batteries.
Battery on the left:
The plus terminal (+) must face upwards.

- Battery on the right:
The plus terminal (+) must face downwards.
- ▶ Put the cover with the engagement hooks ④ first onto the battery compartment and let the snap-fit hook ② snap in.

Wireless Headset Batteries

The battery compartment cover is located on the left headphone.



- ① Battery compartment cover

The wireless headset contains two batteries of size AAA, 1.5 V.

- ▶ Open battery compartment cover ① by folding it up. When doing so, hold the left headphone as shown in the illustration to prevent the inserted batteries from falling out.
- ▶ Take out the empty batteries.
- ▶ Insert the new batteries. Mind the polarity marks on the batteries.
Battery on the left:
The plus terminal (+) must face upwards.
Battery on the right:
The plus terminal (+) must face downwards.
- ▶ Close the battery compartment.
The state indicator LED lights green when you switch on the headset and the batteries were inserted correctly.

Basic Functions

The following operating modes are available for the rear-seat entertainment system:

- CD/DVD audio and MP3 mode (▷ page 171)
- DVD Video operation (▷ page 175)
- AUX mode (▷ page 180)

In Aux mode you can play external video sources that are connected either to the display screens or to the CD/DVD drive. In addition you can play the active audio or video source of COMAND (▷ page 180).

With the system settings menu you can set display design and language for each screen separately (▷ page 170).

Headset Operation

You can use the provided wireless headset and/or two wired headsets connected to the display screens (▷ page 167).

- ▶ Switch on the wireless headset (▷ page 167).
- ▶ Set the volume of the headset (▷ page 167).
- ▶ Select the display screen for the headset (▷ page 167).

Main Loudspeaker Operation

- i** This function is available in connection with COMAND.

The sound of a medium which is played in the RSE disc drive can also be heard over the vehicle loudspeakers. For this, at least on one of the display screens the operating mode Disc has to be active.

- ▶ **Switching to Audio menu:** Select Audio → Audio in COMAND.
- ▶ Select Rear.

The volume control of the headsets has no impact on the volume of the loudspeakers.

Setting Treble and Bass

- ▶ Switch to the menu of the respective operating mode
 - CD Audio (▷ page 172)
 - DVD Audio (▷ page 172)
 - MP3 (▷ page 172)
 - DVD Video (▷ page 175)
 - Aux (▷ page 180).
- ▶ Select Treble or Bass.
A setting scale appears.
- ▶ **To change the value:** Press Δ or ∇ button on the remote control.
- ▶ **To confirm the setting:** Press the **OK** button on the remote control.

Multiuser Operation

The two display screens can be operated almost entirely independent from each other. For some menus, however, there can arise conflicts if the two display screens are used simultaneously.

Simultaneous Use of the Rear-Compartment Disk Drive

If on both display screens the disc drive is used, the selection of certain settings on one screen will have an impact on the other screen as well.

The following functions affect both screens:

- Changing the playback options
- Selecting a track (from track list or folder)
- Using the Play, Stop or Pause function.
- Using the fast forward/rewind function
- Switching to DVD menu and navigating through it

- Setting language, subtitle and camera angle
- Calling up interactive DVD content

The following functions affect only one screen:

- Changing Audio, Video or screen settings
- Switching between full screen and menu system.

Switching Operating Modes


When you leave an operation mode, e.g. CD audio, its current settings are stored. If you call up this operation mode later, there are two possibilities:

- The operation mode settings have been changed on the other display screen.
- The operation mode settings have not been changed.

In the first case the operation mode settings will be as they are on the other display screen.

In the second case the settings remain as they were before you left the operation mode.

Functional Restrictions in DVD Video Mode

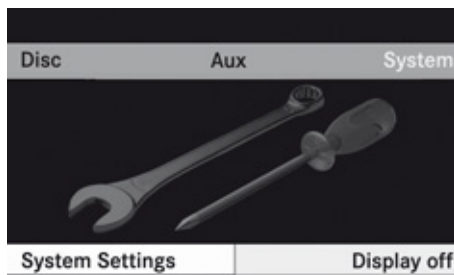
Some functions may temporarily or permanently not be available. If you use such functions, you will see the symbol .

System Settings

All system settings can be set for each display screen independently.


Calling up the System Menu

- ▶ Select **System** in the main function line. The system menu appears on the selected display screen.





P82.87-2511-31

Selecting the Display Language

- ▶ Select **System Settings** → **Language**. The list of languages appears. A **•** dot indicates the current setting.
- ▶ **To change the setting:** Select another language with the button Δ or ∇ on the remote control.
- ▶ Press the  button. The rear-seat entertainment system activates the selected language.

Switching the Display Design

- ▶ Select **System settings**.
- ▶ Select **Day Mode**, **Night Mode** or **Automatic**. The  icon indicates the current setting.
- ▶ Use the Δ or ∇ button to select a setting.
 - **Day Mode**
The display remains set to day design.
 - **Night Mode**
The display remains set to night design.
 - **Automatic**
The display automatically switches depending on the instrument cluster lighting.
- ▶ Press the  button on the remote control.

Adjusting the Brightness

- ▶ Select **System settings** → **Brightness**.
A scale appears.
- ▶ **To set the brightness:** Press the Δ or ∇ button.
The brightness bar moves up or down. The image dims or brightens according to the bar position on the scale.
- ▶ **To confirm the setting:** Press the OK button on the remote control.

Switching the Display Screen On/ Off

Switching Off the Display

- ▶ Select **Display off** from the system menu.

Switching On the Display

- ▶ Press the OK button on the remote control.

CD/DVD Audio and MP3 Operation

Safety Instructions

Warning

The RSE CD/DVD player is a Class 1 laser product. There is a danger of invisible laser radiation when you open or damage the cover. Do not remove the cover. The RSE CD/DVD player does not contain any parts which can be serviced by the user. For safety reasons, have any necessary service work performed by qualified personnel.

Notes on CDs/DVDs

Please refer to the chapter "Audio" for general information about CD/DVD disks and on the MP3 format (▶ page 132) and (▶ page 130).

Inserting a Disk

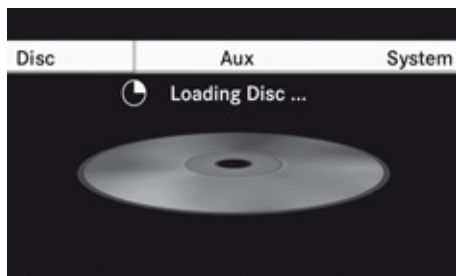
- i** The CD/DVD drive is located in central position behind the front seats.



- ① CD/DVD slot
- ② Eject button

The drive takes one medium at a time. If there is already a medium loaded, you must first eject it.

- ▶ Insert a disk into the slot with the printed side upwards.
If the medium has no printed side, the side you want to play has to face downwards.
The drive pulls the disk in.




The CD/DVD drive plays the disk


- if it has been inserted properly and
- after you have switched to disk operation (▶ page 172).

The data of a MP3 disk must be first loaded from the drive. This takes some time depending on the number of folders and files.

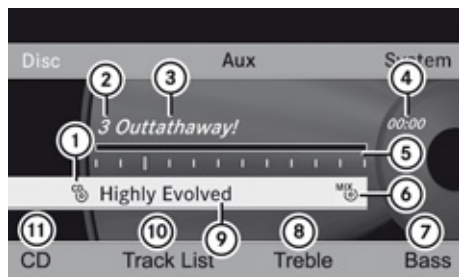
Ejecting a Disk

- ▶ Press Eject button . The drive ejects the disk.
- ▶ Take the disk out of the slot. If you do not take the disk out of the slot, the drive will pull it in again automatically after a short while.


Switching to CD Audio DVD Audio or MP3 Operation

- ▶ Insert a disk (▶ page 171).
- ▶ Select Disc with the  button on the remote control. The corresponding mode is activated. The rear-seat entertainment system plays the disk.

Example Display of CD Audio Operation

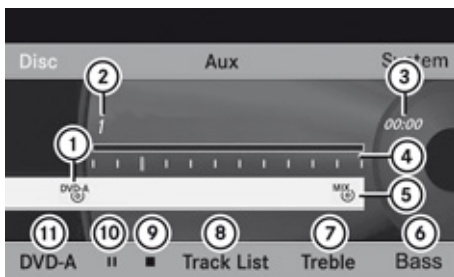


P82.87-2513-31


- ① Disc type 
- ② Track number
- ③ Track name (only if stored on the disk as CD text)
- ④ Elapsed track time
- ⑤ Visual time and track display
- ⑥ Current playback settings (no icon for "Normal track sequence")
- ⑦ Bass setting
- ⑧ Treble setting
- ⑨ Disk name (only if stored on the disk as CD text)

- ⑩ Track list
- ⑪ Playback options

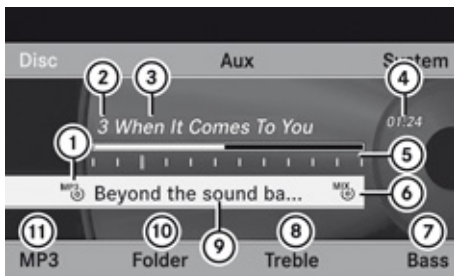
Example Display of DVD Audio Operation




P82.87-2514-31

- ① Disc type 
- ② Track number
- ③ Elapsed track time
- ④ Visual time and track display
- ⑤ Current playback option (no icon for "Normal track sequence")
- ⑥ Bass setting
- ⑦ Treble setting
- ⑧ Track list
- ⑨ Stop function
- ⑩ Pause function
- ⑪ Playback options

Example Display of MP3 Operation



P82.87-2515-31

- ① Disc type 
- ② Track number
- ③ Track name

- ④ Elapsed track time
- ⑤ Visual time and track display
- ⑥ Current playback option (no icon for "Normal track sequence")
- ⑦ Bass setting
- ⑧ Treble setting
- ⑨ Current folder or medium name
- ⑩ Folder list
- ⑪ Playback options

- i** For MP3 titles with variable bitrate the display of the elapsed track time may not be correct.

Selecting a Track

Selecting by Skipping to a Track

▶ **To skip forwards or back to a track:**

Press ◀ or ▶ on the remote control.

or

- ▶ Press [◀◀] or [▶▶] button on the remote control.

'Forward track skip' skips to the next track.

'Backward track skip' skips to the beginning of the current track, if the track has been playing for more than 8 seconds. If the track has been playing for less than 8 seconds, it will skip to the beginning of the previous track.

Selecting via Track List

- ▶ **In CD audio/DVD audio mode:** Select Track list.

or

- ▶ **In MP3 mode:** Press the [OK] button when the main area is highlighted.

The track list appears. The ● dot indicates the current track.

- ▶ **To select a track:** Press ▲ or ▼ on the remote control.
- ▶ Press [OK] on the remote control.

Selecting a Track by Directly Entering its Number

- ▶ Press button [✳].

The track entry display appears.

Example: track 2

- ▶ Press the number button 2.

Example: track 12

- ▶ Press the corresponding number keys in rapid succession.

- i** It is not possible to enter numbers that exceed the number of tracks on the CD or in the currently active folder.

- ▶ Wait for approximately 3 seconds after making an entry.

You will hear the entered track. The corresponding basic menu then reappears.

Fast Forward/Rewind

- ▶ **Main area is active:** Press and hold the ◀ or ▶ button on the remote control until you have reached the desired position.

or

- ▶ Press and hold the [◀◀] or [▶▶] on the remote control until you have reached the desired position.

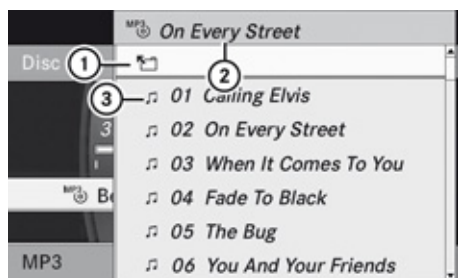
Selecting a Folder

- i** This function is only available in MP3 mode.

- ▶ Select Folder in MP3 mode.

or

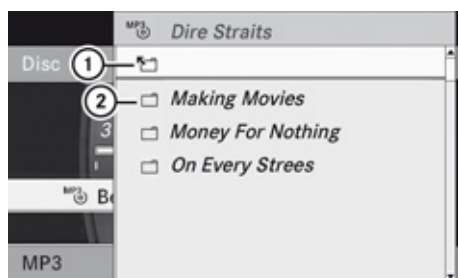
- ▶ Press the [OK] button when the main area is highlighted. The content of the folder is displayed.



P82.87-2516-31

- ① Back folder symbol
- ② Current folder name
- ③ Track icon

- ▶ **To switch to the next folder up:** Select icon .
The display shows the next folder up.



P82.87-2517-31

- ① Back folder symbol
- ② Folder symbol

- ▶ **To select a folder:** Select the desired folder.
You will see the tracks in the folder.
- ▶ **To select a track:** Press Δ or ∇ on the remote control.
- ▶ Press \odot on the remote control..
The track is played and the corresponding folder is now the active folder.

Pause function

- ❗ This function is only available in audio DVD mode.
- ▶ **To pause playback:** Select .
The display changes to .
- ▶ **To resume playback:** Select .
The display changes to .

Stop function

- ❗ This function is only available in audio DVD mode.
- ▶ **To interrupt playback:** Select .
The playback stops and jumps to the beginning of the DVD.
- ▶ **To resume playback:** Select .
The playback continues from the position where it was stopped.

Setting the Audio Format

It is only possible to set the audio format in DVD audio mode. The number of available audio formats is dependent on the DVD. The content of an audio DVD is called the 'album', which can be divided into a maximum of nine groups. A group may contain, for example, music of different sound qualities (stereo and multi-channel formats) or bonus tracks. Each group can include up to 99 tracks. If a DVD audio only comprises one audio format, the "Group" menu item(s) cannot be selected.

- ▶ Select DVD-A \rightarrow Group.
The list of available audio formats appears. The \bullet dot indicates the format currently selected.
- ▶ **To change a setting:** Press Δ or ∇ on the remote control.

- ▶ Press **OK** on the remote control.
- ▶ **To exit the menu:** Press **◀** or **▶** on the remote control.

Playback options

The following options are available:

- **Normal Track Sequence**
You will hear the tracks in the normal sequence (e.g. track 1, 2, 3 etc.).
 - **Random Tracks:**
You will hear the tracks in random order (e.g. track 3, 8, 5 etc.).
 - **Random Folder (MP3 mode only)**
The tracks in the currently active folder and any subfolders are heard in random order.
 - ▶ **To select an option:** Switch to CD or DVD-A or MP3 mode (▶ page 172).
 - ▶ **Select CD or DVD-A or MP3.**
The option list appears. A **•** dot indicates the option currently selected.
 - ▶ **Select an option.**
The option is switched on. All options except Normal Track Sequence will be indicated in the main area.
- i** If you change the disk, the Normal Track Sequence option is activated automatically. If an option is selected, it remains selected after the rear-seat entertainment system is switched on or off.

Switching Track Information On/Off (MP3 Mode Only)

If this function is switched on, folder and track names are displayed.

If this function is switched off, disk and file name are displayed.

- ▶ **Select Display Track Information.**
The function is switched on or off depending on the previous status.


DVD Video Operation

Please refer to the chapter "Audio" for general information about CD/DVD disks (▶ page 132) and on the MP3 format (▶ page 130).

For Safety Instructions refer to section "CD/DVD Audio and MP3 Operation".

For special notes on DVDs and DVD playback conditions refer to chapter "Video" (▶ page 156).

Functional Restrictions

Depending on the DVD, it is possible that certain functions or actions described in this section will be temporarily blocked or may not function at all. As soon as you try to activate these functions or actions, you will see icon  in the display.

Loading and Ejecting DVDs

- ▶ Proceed as described in the "Audio CD/DVD and MP3 mode" section.

Switching to DVD mode

- ▶ **Load a DVD Video disk.**
The rear-seat entertainment system loads the inserted disk.

The DVD is played according to the playback options:

Either the film is started automatically or the DVD menu appears that is stored on the disk. In the latter case you must start the film manually.

- ▶ **Select Disc** using the remote control. DVD mode is activated.

The video DVD meets the playback

criteria: Either the film is started automatically or the DVD menu appears

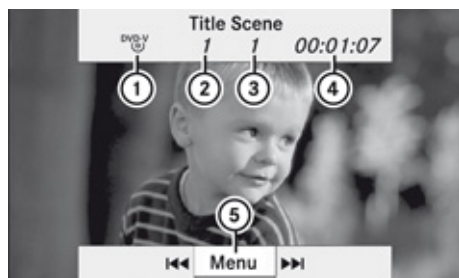
that is stored on the disk. In the latter case you must start the film manually.

- ▶ To do so, select the corresponding menu item in the DVD menu (▷ page 178).

i If Disc operation was selected last, the disk is played automatically after loading.

Hiding or Showing the Control Menu

- ▶ **To display:** Press Δ or ∇ on the remote control.
 - ▶ **To hide:** Press Δ or ∇ on the remote control.
- or
- ▶ Wait for approximately 8 seconds.



P82.87-2518-31

Control menu

- ① Disc type
- ② Current track
- ③ Current scene
- ④ Elapsed track time
- ⑤ Displays menu system

Displaying/Hiding Menu System

- ▶ **To display:** Press the OK button.
- or
- ▶ When the control menu is shown, select Menu.



P82.87-2519-31

Menu system

- ① DVD-Video menu
- ② Pause function
- ③ Stop function
- ④ Treble setting
- ⑤ Bass setting

- ▶ **To hide:** Press Δ on the remote control and select Full Screen.

Fast Forward/Rewind

- ▶ Press and hold the \lll or \ggg button until the desired position has been reached.
- You see the control menu.

Stop Function

- ▶ Display the menu system if necessary (▷ page 176).
- ▶ **To interrupt playback:** Select \blacksquare . The playback stops.
- ▶ **To resume playback:** Select \blacktriangleright .

Pause Function

- ▶ Display the menu system if necessary (▷ page 176).
- ▶ **To pause playback:** Select $\|\|$. The display $\|\|$ changes to \blacktriangleright .

- ▶ **To resume playback:** Select ▶. The menu system is hidden.

Selecting a Scene/Chapter

If the film is subdivided into scenes or chapters, you can select the scenes or chapters step by step while the film is running. Some DVDs do not allow this in certain sections (e.g. in the introduction).

- ▶ **To skip forwards or back:** Press ◀ or ▶ on the remote control.

or

- ▶ Press the ◀◀ or ▶▶ button. The control menu (▷ page 176) appears for approximately 8 seconds.

Selecting a Scene/Chapter Directly

Example: scene/chapter 5

- ▶ Press the ✖ button while the movie is running.
- ▶ Press the corresponding number key, such as 5.

or

- ▶ Display the menu system if necessary (▷ page 176).
- ▶ Select DVD-V → DVD Functions.
- ▶ Select Scene selection in the menu.
- ▶ Use the ◀ or ▶ button to select number 5.

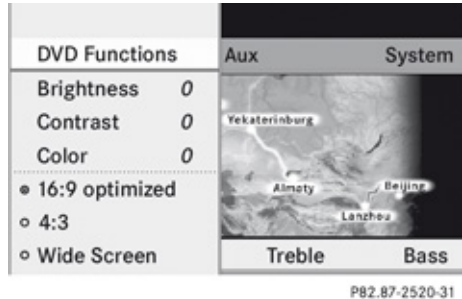
In both cases playback will begin after a short while with scene/chapter 5.

- ❗ Scene/chapter selection may also be possible from the DVD menu stored on the DVD itself.

Selecting a Film/Track

If the DVD contains several films, these can be selected directly. Film selection is possible both while the DVD is stopped and while it is playing.

- ▶ Display the menu system if necessary (▷ page 176).
- ▶ Select DVD-V → DVD Functions.



- ▶ Select Title Selection in the menu.
- ▶ **To call up the selection list:** Press the Ⓞ button.
- ▶ Select a film/track.

Selecting a Film/Track Directly

Example: selecting film 2

- ▶ Press number button 2. After a short while, film 2 begins.
- ❗ Film selection may also be possible from the DVD menu on the DVD itself.

Picture Settings

Adjusting the Brightness, Contrast or Color

- ▶ Display the menu system if necessary (▷ page 176).
- ▶ Select DVD-V → Brightness or Contrast or Colour.

- ▶ **To change setting:** Press Δ or ∇ until the desired setting has been attained.
- ▶ **To store a setting:** Press the OK button.

Switching Picture Format

- ▶ Display the menu system if necessary (\triangleright page 176).
- ▶ Select DVD-V.
The DVD-V menu appears. The CD icon in front of one of these menu items: 16:9 optimized, 4:3 or Wide Screen indicates the currently selected format.
- ▶ **To switch formats:** Press Δ or ∇ until the desired format is selected.
- ▶ **To save setting:** Press OK .

DVD Menu

The DVD menu is the menu stored on the DVD itself. It is structured in various ways according to the individual DVD and permits certain actions and settings.

- i** For multilingual DVDs, you can switch between languages in the DVD menu, for example.

Opening the DVD Menu

- ▶ Display the menu system if necessary (\triangleright page 176).
- ▶ Select DVD-V \rightarrow DVD Functions \rightarrow Menu.
The DVD menu appears.

Selecting Menu Items from the DVD Menu

- ▶ Press Δ , ∇ , \triangleleft or \triangleright on the remote control.
- ▶ **To confirm your selection:** Press OK .
The selection menu appears.
- i** Menu items which cannot be selected are grayed out.





DVD menu

- ▶ Confirm Select.
COMAND will perform the action or displays a submenu represented by the menu item selected in the DVD menu. If necessary select from further options in the same way.
- ▶ Make a selection from the further options, if necessary.
The rear-seat entertainment system then switches back to the DVD menu.
- i** Depending on the DVD, the Play menu item may not function at all or may not function at certain points in the DVD menu. You will see the CD icon in the display as an indicator.



Stopping Film or Skipping to the Beginning/End of a Scene

- ▶ Select any menu item from the DVD menu. The selection menu appears.
- ▶ **To stop a film:** Select Stop from the menu.
- ▶ **To skip to the end of a scene:** Select $\triangleright\triangleright$ from the menu.
- ▶ **To skip to the beginning of a scene:** Select $\triangleleft\triangleleft$ from the menu.
- i** Depending on the DVD, the $\triangleleft\triangleleft$ and $\triangleright\triangleright$ menu items may not function at all or may not function at certain points in the DVD menu. You will see the CD icon in the display as an indicator.

Switching to the Next DVD Menu up



- ▶ Press  on the remote control.
 - or
 - ▶ Select the corresponding menu item in the DVD menu.
 - or
 - ▶ Select any menu item from the DVD menu.
 - ▶ Select Go up from the menu.
- i** Depending on the DVD, the Play menu item may not function at all or may not function at certain points in the DVD menu. You will see the  icon in the display as an indicator.

Back to Movie



- ▶ Press  on the remote control repeatedly until you see the film.
 - or
 - ▶ Select the corresponding menu item in the DVD menu.
 - or
 - ▶ Select any menu item from the DVD menu.
 - ▶ Select the Back (To the Movie) menu item from the selection menu.
- i** Depending on the DVD, the Back (To the Movie) menu item may not function in general or may not function at certain points in the DVD menu. You will see the  icon in the display as an indicator.

Setting Language

- i** This function is not available on all DVDs. If it is available, you can set the audio language or the audio format. The number of settings is determined by the DVD content. It is possible that the settings may also be accessed in the DVD menu (\triangleright page 178).

- ▶ Display the menu system if necessary (\triangleright page 176).
- ▶ Select DVD-V \rightarrow DVD Functions.
- ▶ Select Audio Language.
A selection menu appears after a short while. The  dot in front of an entry indicates the currently selected language.
- ▶ **To change a setting:** Press Δ or ∇ until the desired setting has been reached.
- ▶ **To save setting:** Press the .
- ▶ **To exit the menu without changes:** Press \triangleleft or \triangleright .

Subtitles and Camera Angle

- i** These functions are not available on all DVDs. The number of subtitle languages and camera angles available depends on the content of the DVD. It is possible that the settings may also be accessed in the DVD menu.
- ▶ Display the menu system if necessary (\triangleright page 176).
 - ▶ Select DVD-V \rightarrow DVD functions.
 - ▶ Select Subtitles or Camera angle.
Both of these will call up a selection menu after a few seconds. The  dot in front of an entry indicates the current setting.
 - ▶ **To change a setting:** Press Δ or ∇ until the desired setting has been attained.
 - ▶ **To save setting:** Press .
 - ▶ **To exit the menu without changes:** Press \triangleleft or \triangleright .

Interactive Content

DVDs can also contain interactive content (e.g. a video game). In a video game, you may be able to influence events by selecting and triggering actions. The type and number of actions depend on the DVD.

- ▶ **To select an action:** Press Δ , ∇ , \triangleleft or \triangleright on the remote control.
- ▶ **To trigger an action:** Press $\textcircled{\text{OK}}$ on the remote control.
A menu appears and the first entry, Select, is highlighted.
- ▶ Press $\textcircled{\text{OK}}$ on the remote control.

Aux Operation

- i** You can connect two external video sources to the display screens (Display Aux) and additionally one video source to the DVD drive (Drive Aux).

For further information on external video sources please refer to the operating guide of the device.

Connecting an Aux Source

Drive Aux

The Aux connectors of the drive are beside the Eject button on the front panel of the DVD drive .

Display Aux

The display Aux jacks are located on the side of the screen .

Connecting an Audio or Video Source

- ▶ Insert the audio jacks for the left and the right signal into the respective connectors labeled **L** and **R**.
- ▶ Insert the video jack (yellow) into the connector with the **V** label.

Switching to Aux Mode

Disk Drive Aux

- ▶ Select Aux.
The Aux menu appears.



Aux menu

- ▶ Select Source → Drive Aux.
The video source is played if it is connected to the drive and in playback mode. If there is no video picture available, an Audio menu appears.
- i** For operating the external video source please refer to the operator's guide of the device.

Display Aux

- ▶ Select the display screen to which the external source is connected.
- ▶ Select Aux.
- ▶ Select Source → Display Aux.
The video source is played if it is connected to the screen and in playback mode. If there is no video picture available, an Audio menu appears.

Selecting an Active COMAND Source

- ▶ Select Aux.
- ▶ Select Source → COMANDAudio or COMANDVideo.

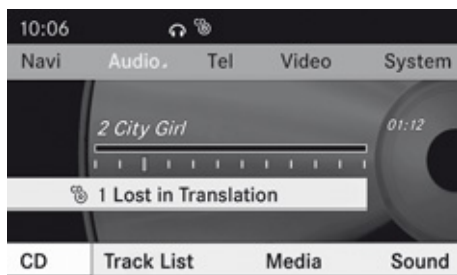
COMAND Audio: The Audio mode to which COMAND is set is also played by the RSE system.

COMAND Video: COMAND sends the video picture to the RSE system.


Operation with Active Source from COMAND

Audio or Video that is active in COMAND can also be played back via the RSE system.

- ▶ Switch to the desired Audio mode or display the menu system in Video mode on COMAND.
- ▶ Select the menu item on the left below, e.g. CD if COMAND is in CD mode.
- ▶ Select Active Source for the Rear.

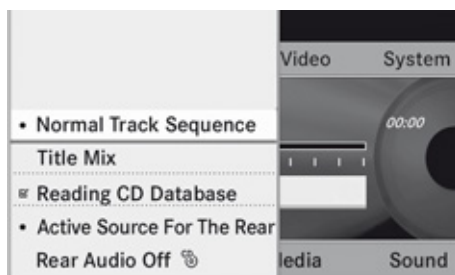


P82.87-2523-31

In the status line you will see the headset symbol and the symbol  indicating the active mode.

If you change the mode in COMAND, the new mode is also played back via the RSE system. The display changes accordingly.


- ▶ **To switch off the function in COMAND:** Switch to the desired audio mode in COMAND or call up the menu system when in video mode.
- ▶ Select the menu item on the left below, e.g. CD if CD mode is selected.





P82.87-2524-31

- ▶ Select Rear Audio Off.

Setting the Brightness/Contrast/Color

- ▶ In the AUX menu, select Display Aux or Drive Aux.
- ▶ Select Brightness, Contrast or Color. A setting scale appears.
- ▶ **To adjust setting:** Press Δ or ∇ .
- ▶ **To confirm setting:** Press .

Changing the Picture Format

- ▶ In the AUX menu, select Display Aux or Drive Aux. The  icon in front of one of these menu items: 16:9 optimized, 4:3 or Wide Screen indicates the currently selected format.
- ▶ **To switch formats:** Press Δ or ∇ until the desired format is selected.
- ▶ **To save setting:** Press .

Overview	184
Phone	187
Navigation	189
Address Book	195
Radio and Satellite Radio	199
DVD Changer	202
External Equipment (Aux)	203
Command List	203
Troubleshooting	210

Overview

Operating Safety

Warning!

Please devote your attention first and foremost to the traffic situation you are in. While the system permits hands-free phone operation, attention to traffic may be diverted not only by physical operation of a phone, but also by the distraction of a phone conversation while driving. As such, for safety reasons, we encourage the driver to stop the vehicle in a safe place before answering or placing a phone call.

For safety reasons, you should only select a destination when the vehicle is stationary.

While the navigation system provides directional assistance, the driver must remain focused on safe driving behavior, especially attention to traffic and street signs, and should utilize the system's audio cues while driving.

The navigation system does not supply any information on stop signs, yield signs, traffic regulations or traffic safety rules. Their observance always remains in the driver's personal responsibility. DVD maps do not cover all areas nor all routes within an area.

Traffic regulations always have priority over any route recommendations given.

Bear in mind that at a speed of just 30 mph (approximately 50 km/h), your vehicle is covering a distance of 44 feet (approximately 14 m) every second.

Warning


Navigation announcements are intended to direct you while driving without diverting your attention from the road and driving.

Please always use this feature instead of consulting the map display for directions. Consulting the symbols or map display for directions may cause you to divert your attention from driving and increase your risk of an accident.

Warning!




Please do not use the Voice Control System in an emergency, as the tone of your voice may change in a stressful situation. This could cause a delay in completing your phone call in a timely manner. This could distract you in an emergency situation and cause you to be involved in an accident.

Vehicle Equipment

-  This Operator's manual describes all features, standard or optional, potentially available for your vehicle at the time of purchase. Please be aware that your vehicle might not be equipped with all features described in this manual.

Symbols Only Used in this Chapter

The following symbols indicate:

-  that you have to say something
-  that there is a voice output from the voice control
-  that the system shows information on the display.

Usage

You can use the voice control system to operate the following systems depending on the equipment in your vehicle:

- Phone
- Navigation
- Address book
- Audio (radio, satellite radio, DVD changer, memory card, music register)

Say the commands without pausing between individual words. If you enter a command that does not exist or is incorrect, the voice control system asks you for a new command with "Please repeat" or "Please repeat your

entry!”. The voice control confirms important commands to you and gives you instructions in the event of incorrect entries.

Command Types

Voice control distinguishes between the following types of command:

- **Global commands:**
These are commands which can be called up at any time (e.g. help or phone commands).
- **Local commands:**
These are commands which are only available for the active application (e.g. “Enter destination” during navigation).

Active Application

The local commands refer to the application currently shown on the display and to the audio source you are currently listening to.

For example, if you are listening to the radio while the navigation application is active on the display, you can operate both applications using voice control.






To operate a different function using voice control, you must first switch to that application using the corresponding command.

Operating Voice Control

Vehicles with Voice Control Buttons on the Multi-Function Steering Wheel



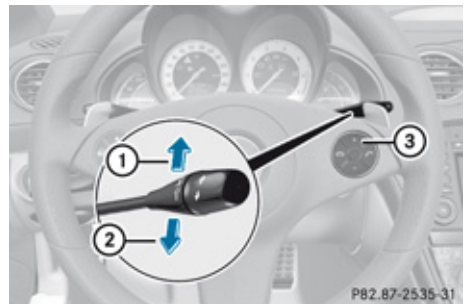
Example display: M-Class

- ①  Activates voice control
- ②  Cancels voice control
- ③  Decreases the volume
 Increases the volume
 Mute



- ❗ You can cancel the dialog with voice control at any time.

Voice control is operational around half a minute after COMAND is switched on.


Vehicles with Lever for Voice Control



Example display: SL-Class

- ① Cancels voice control
- ② Activates voice control
- ③  Decreases the volume
 Increases the volume

Starting the Dialog


- ▶ Switch on the ignition (see the vehicle Owner's Manual).
- ▶ **Vehicles with Voice Control buttons on the Multi-function Steering Wheel:** Press the  button.

or


- ▶ **Vehicles with Lever for Voice Control:** Pull the lever toward you
An acoustic signal confirms that the dialog has been started.
- ▶ Give a command.

Interrupting the Dialog

If a list appears on the display, you can use the “Pause” command to interrupt the dialog. You can then select an entry using the COMAND control panel.

To resume the dialog with voice control, press the  button on the multifunction steering wheel.

Canceling the Dialog

- ▶ **Vehicles with Voice Control buttons on the Multi-function Steering Wheel:** Press the  button.

or

- ▶ **Vehicles with Lever for Voice Control:** Push the lever away from you.
An acoustic signal confirms that the dialog has been started.

or



- ▶ Say the command “Cancel” (except when creating and storing voice tags, navigation entries or during individualization).

or

- ▶ Press any button on COMAND.

Adjusting the Volume

- ▶ Start the dialog.
- ▶ Give a command, e.g. “Help”.

- ▶ Press the  or  button.
The volume increases or decreases during voice output.

or

- ▶ Set the volume for the voice output on the volume control for COMAND.

Display Messages

The audible help function can be supplemented by visual help on the display (▷ page 41). If the help function is switched on, the most important commands that are currently possible appear in the display when you start the dialog.

In the address book and navigation system, a selection list is shown in the display if voice control requires additional information from you.



- ① Display

Entering Numbers

- Digits from “zero” to “nine” are permitted.
- Say the phone number in groups of three to five digits.

Spell

- The letters of the alphabet and the numbers 0 to 9 are permitted.
- Say the letters in groups of five to seven letters.
- Say each individual letter clearly.

- i** Using individualization, you can fine-tune voice control to your own voice and thus improve voice recognition. The process of individualization is described in chapter “System Settings” (▷ page 41).
- i** If you use individualization, it may impair recognition of other users. Switch off individualization if it makes recognition of other users worse.

Phone

Warning

Some jurisdictions prohibit the driver from using a cellular telephone while driving. Whether or not prohibited by law, for safety reasons, the driver should not use the cellular telephone while the vehicle is in motion. Stop the vehicle in a safe location before placing or answering a call.

If you nonetheless choose to use the mobile phone while driving, please use the handsfree feature and be sure to pay attention to the traffic situation at all times. Use the mobile phone only when road, weather and traffic conditions permit. Otherwise, you may not be able to observe traffic conditions and could endanger yourself and others.

Bear in mind that at a speed of just 30 mph (approximately 50 km/h), your vehicle is covering a distance of 44 feet (approximately 14 m) every second.

Operation

You can use voice control to:

- place a call by using your voice to input a phone number
- store names and numbers in the address book
- dial a number from the address book
- listen to the phone book

- retrieve and manage your voice mail and recorded announcement services
- redial

Voice control recognizes whether:

- your phone is switched on
- your phone is connected via Bluetooth®
- the car phone is registered with the relevant mobile phone network
- it is possible to dial

If it is not possible to dial, voice control issues a message to this effect.

- i** You can still operate your phone using the keypad.

Commands

“Phone”

Use the “Phone” command to select the phone application. Use this command if you wish the digits entered to be shown on the display.

“Help Phone”

Voice control has an extensive help function. Using the “Help Phone” command, you can have all the essential commands for the phone read out (▷ page 204).

“Dial number”

You can use the “Dial number” command to dial a phone number.









The digits 0 to 9 and the word “Plus” are permitted.


“Plus” replaces the international dialing code, e.g. “00”.

Say the phone number in the form of a continuous string of digits or as blocks of digits, e.g. three to five digits.

Voice control repeats the digits it recognizes after each block of digits (with a pause of about half a second between each block of digits) and waits for you to continue speaking.

Example of dialog:











-  Dial number
-  Please say the number
-  Zero one three zero
-  Zero one three three
-  Five zero zero five
-  Five zero zero five
-  Okay
-  Dialing number.


i You can also dial the specified number if you press the  button on the multi-function steering wheel instead of the concluding command “Okay”.

“Confirm”

While you are entering a number, you can use the “Confirm” command to have all the spoken digits repeated by voice control. Voice control will then prompt you to continue with the entry.

Example of dialog:

-  Dial number
-  Please say the number
-  Zero one three zero
-  Zero one three zero
-  Confirm
-  Zero one three zero. Please continue
-  Five zero zero five
-  Five zero zero five
-  Okay
-  Dialing number.













i You can also dial the specified number if you press the  button on the multi-function steering wheel instead of the concluding command “Okay”.

“Correction”

While you are entering a number, you can use the “Correction” command to correct the block of digits last spoken. When you input this command, voice control deletes the last block of digits and repeats the digits input up

to this point. Voice control will then prompt you to continue with the entry.















Example of dialog:

-  Dial number
-  Please say the number
-  Zero one three zero
-  Zero one three zero
-  Five zero zero five
-  Five zero zero five
-  Correction
-  Zero one three zero. Please continue
-  Five zero zero five
-  Five zero zero five
-  Okay
-  Dialing number.

“Delete”

While you are entering a number, you can use the “Delete” command to delete all the digits which have been entered. After you have input this command, voice control prompts you to enter additional digits or commands.

Example of dialog:

-  Dial number
-  Please say the number
-  Zero one three zero
-  Zero one three zero
-  Five zero zero five
-  Five zero zero five
-  Delete
-  Number deleted, please say the number again:
-  Zero three seven three
-  Zero three seven three
-  Three nine one
-  Three nine one
-  Okay
-  Dialing number.

“Save Name” (Address Book)

(▷ page 196)

“Dial Name” (Address Book)

(▷ page 197)

“Delete Name” (Address Book)

(▷ page 197)


“Find Name” (Address Book)

(▷ page 197)


“List Phone Book” and Dialing a Phone Number

You can use the “List phone book” command to listen to all entries in the phone book in which a phone number is also stored and, if required, select an entry.

Example of dialog:


 List phone book

The system reads out all the address book entries with phone numbers. If there is more than one phone number for an entry, voice control queries this.

 Do you want to make a work call or a home call?

 Home call

To cancel the dialog:

▶ **Vehicles with Voice Control buttons on the Multi-function Steering Wheel:** Press the  button.

▶ **Vehicles with Lever for Voice Control:** Push the Voice Control lever away from you.
You have canceled the dialog. The system confirms by responding “Cancel”.


“Redial”

You can use the “Redial” command to redial the number most recently called.

Managing Announcement Services or Voice Mail

You can also use voice control to manage your voice mail or recorded announcement services.

While a phone call is in progress:

▶ **Vehicles with Voice Control buttons on the Multi-function Steering Wheel:** Press the  button while a phone call is in progress.

or

▶ **Vehicles with Lever for Voice Control:** Pull the Voice Control lever toward you. An acoustic signal confirms that the system is activated.

▶ Say the required digits (“zero” to “nine”).

or

▶ Say the required words “Star” or “Hash”.

▶ Say the concluding command “Okay”.
The system dials the number entered.

Navigation

Warning!

For safety reasons, you should only select a destination when the vehicle is stationary. While the navigation system provides directional assistance, the driver must remain focused on safe driving behavior, especially attention to traffic and street signs, and should utilize the system’s audio cues while driving.

The navigation system does not supply any information on stop signs, yield signs, traffic regulations or traffic safety rules. Their observance always remains in the driver’s personal responsibility. DVD maps do not cover all areas nor all routes within an area. Traffic regulations always have priority over any route recommendations given. Bear in mind that at a speed of just 30 mph (approximately 50 km/h), your vehicle is

covering a distance of 44 feet (approximately 14 m) every second.

During route guidance, you will not receive information on:

- traffic lights
- stop and yield signs
- parking or stopping zones
- one-way streets
- narrow bridges, or
- other traffic regulation data.

You should therefore always strictly observe traffic regulations while driving. Drive carefully and always obey traffic laws and road signs, even if they contradict navigation system instructions.

Warning

Navigation announcements are intended to direct you while driving without diverting your attention from the road and driving.

Please always use this feature instead of consulting the map display for directions. Consulting the symbols or map display for directions may cause you to divert your attention from driving and increase your risk of an accident.

Warning!

Please do not use the Voice Control System in an emergency, as the tone of your voice may change in a stressful situation. This could cause a delay in completing your phone call in a timely manner. This could distract you in an emergency situation and cause you to be involved in an accident.


Operation

You can use voice control to:

- enter a state
- enter a province
- enter a city
- enter a district (center)

- enter a street
- enter a house number
- enter an entire address
- enter a zip code
- find address
- enter a point of interest
- select one of your previous destinations
- call up route information
- store a destination
- display the map
- enlarge/reduce the size of the map
- listen to the destination memory
- start and stop route guidance
- switch the guidance instructions on and off


To select the navigation application:

- ▶ **Vehicles with Voice Control buttons on the Multi-function Steering Wheel:** Press the  button.

or

- ▶ **Vehicles with Lever for Voice Control:** Pull the Voice Control lever toward you.

- ▶ Give the “Navigation” command.

- ▶ **Vehicles with Voice Control buttons on the Multi-function Steering Wheel:** Press the  button.

or

- ▶ **Vehicles with Lever for Voice Control:** Pull the Voice Control lever toward you.

- ▶ Give one of the navigation commands explained below.

Commands

You cannot start the route guidance until all the necessary address data has been entered.

“Help Navigation”/“Help”

Using the “Help navigation” command, you can have all the essential commands for the navigation system read out.

Entering an Address







- i** If voice control fails to recognize your entry, it is advisable to spell the name of the town and street. Spell names of towns and streets when abroad.

The system guides you completely through the dialog to route guidance. As soon as a valid address is entered (at least the town), you can use the “Start route guidance” command to start the route guidance.

“Enter state”/“Enter province”

You can use the “Enter state”/“Enter province” command to change the state or province setting of the navigation system.

Example of dialog:

























-  Enter state
-  Please enter the name of the state.
-  The system shows a numbered list of possible state names on the display. If there is only one entry on the list, voice control asks if it is correct.
-  Please select a line number.
-  Line number 1 ...
-  Line number 1 accepted.

“Enter Destination”

You can use the “Enter destination” command to enter a complete address.

The system guides you through the whole dialog. As soon as a valid address is entered (at least the town), you can use the “Start route guidance” command to start the route guidance.

Example of dialog:

-  Enter destination
-  Do you want to enter street first or town first?
-  Town
-  Please say the name of the town
-  Albany
-  Loading list of towns
-  The system shows a numbered list of possible city names on the display. If there is only one entry on the list, voice control asks if it is correct.
-  Please select a line number.
-  Line number 1 ...
-  Line number 1 accepted.
-  Would you like to enter a street?
-  Yes
-  Please say the name of the street
-  Park Avenue
-  Loading list of streets
-  The system shows a numbered list of possible street names on the display. If there is only one entry on the list, voice control asks if it is correct.
-  Please select a line number.
-  Line number 1 ...
-  Line number 1 accepted.
-  Would you like to enter a house number?
-  No
-  Would you like to start route guidance?
-  Yes
-  Starting route guidance

The system stores the selected destination and starts route guidance.

If you give one of the following commands, the system guides you through the dialog to route guidance.









“Enter Town”

You can use the “Enter town” command to enter any town in the state or province that is currently selected.

i If the city you require does not appear in the list or the system fails to recognize the name of the town, it can be entered by using the “Spell town” command.

i You can use the “Next page” or “Previous page” commands to scroll through the list. You can use the “Correction” command to enter the name of the town again.

Example of dialog:

-  Enter town
-  Please say the name of the town
-  Albany
-  Loading list of towns
-  The system shows a numbered list of possible town names on the display. If there is only one entry on the list, voice control asks if it is correct.
-  Please select a line number.
-  Line number 1 ...
-  Line number 1 accepted.

The town is stored for route guidance.

“Spell town”

Using the “Spell town” command, you can spell any town. This may be necessary if certain town or street names are not recognized.





Say the letters in the form of a continuous string of letters. In the case of long names, it is not always necessary to spell the whole name. Usually only the first five to seven letters are required.


A list of city names will appear in the display and you can choose the one you require.

Say each individual letter clearly.

It is not easy to avoid confusion of similarsounding letters (e.g. D and E).


Example of dialog:

-  Spell town
-  Please spell the town
-  F-R-E-N-S
-  Loading list of towns

 The system shows a numbered list of city names on the display.

 Please select a line number.

 Number three

 Number three accepted.

The town is stored for route guidance.








i You can use the “Next page” or “Previous page” commands to scroll through the list. You can use the “Correction” command to spell the town again from the beginning.

i Note that the list in the display is sorted according to the probability of voice recognition.

“Enter District” (Center)

You can use the “Enter district” command to enter an area in a city which you have selected previously.

Example of dialog:

-  Enter district
-  Please say the name of the district.
-  Manhattan
-  The system shows a numbered list of districts in the display if the selected city has more than one district.
-  Please select a line number.
-  Line number 1 ...
-  Line number 1 accepted.



The district is stored for route guidance.






“Enter Street”

You can use the “Enter Street” command to enter the name of any street in the selected city.

i If only a few streets are stored for a selected town, they will be displayed for selection immediately after you give the “Enter Street” command.

Example of dialog:

-  Enter Street
-  Please say the name of the street

-  Mabel's Street
-  The system shows a numbered list of street names on the display
-  Please select a line number.
-  Number three
-  Number three accepted

The street name is stored for route guidance.






“Correction”

If you have entered or spelled a city or street, you can use the “Correction” command to enter the city or street again or spell it from the beginning.

“House Number”

You can use the “House number” command to specify the house number for the selected street in individual digits.

Example of dialog:






-  House number
-  Please say the house number in single digits
-  Three four
-  Three four
-  Okay








The house number is stored for route guidance.

“Point of interest” (POI)


You can use the “Point of interest” command to select specific destinations (filling stations, airports, stations, etc.).

Example of dialog:

-  Point of interest
-  The system shows the following list in the display:
 1. Current position
 2. Other town
-  Please select a line number.
-  Line number 1 ...
-  Line number 1 accepted.

-  The system shows a numbered list of POI categories
-  Please select a line number or say the category name
-  Line number 5 ...
-  The system shows a numbered list with destinations from the selected category
-  Please select a line number.
-  Line number 1 ...
-  Line number 1 accepted.

The specific destination which has the number one is stored for route guidance.

-  Depending on the selected area, other lists may be shown.







You can only select points of interest in the state or province the navigation system is set for.

Selecting next point of interest

You can use the following commands to select nearby points of interest.

- “Next gas station”
- “Next car park”
- “Next Mercedes-Benz Service”
- “Next restaurant”
- “Next hospital”

Example of dialog:

-  Next gas station
-  The system shows a numbered list of gas stations on the display
-  Please select a line number.
-  Line number 1 ...
-  Line number one accepted. Would you like to start route guidance?
-  Yes

The route guidance for this point of interest is started.

or

 No

 Do you want to save the destination?

 Yes


The dialog continues as shown in the section “Save destination”.

“Last Destinations”

You can use the “Last destinations” command to reselect a destination from a list of the previously selected destinations.


Example of dialog:

 Last destinations

 The system shows a numbered list of the previously selected destinations

 Please select a line number.

 Line number 1 ...


 Line number one accepted. Would you like to start route guidance?

 Yes


The route guidance for this destination is started.


“Save Destination”

You can use the “Save destination” command to save the current destination in the address book by means of a voice tag.

-  If the desired voice tag already exists in the address book, the system asks if you want to add the address.

Example of dialog:


 Save destination

 Please say the name.

 Smith

 Please repeat the name.

 Smith

 Where would you like to save: home or work?

 Work

 The destination has been saved.


The route guidance for this destination is started.

“Find Address”


You can use the “Find address” command to select a previously saved address and start route guidance.

Example of dialog:

 Find address

 Please say the name.


 Smith

 The system shows a numbered list of saved addresses in the display

 Please select a line number.

 Line number 1 ...


 Line number 1 accepted.

 Starting route guidance

“Start Route Guidance”

When Route Guidance is inactive, you can use the “Start route guidance” command to start route guidance once a valid destination has been entered.

 Start route guidance

 Starting route guidance

“Route Information”

You can use the “Route information” command to have the following information on your currently planned route read out:

- Distance to destination
- Remaining driving time
- Expected arrival time

“Guidance Instructions On”

When you use the “Guidance instructions on” command, voice control repeats the last driving tip. If the driving tip output has been switched off up to this point, it is now switched on again.





“Guidance Instructions Off”

You can use this command to switch off the route guidance voice output.

“Cancel Route Guidance”



You can use this command to stop route guidance.

Example of dialog:

-  Cancel route guidance
-  Are you sure you want to cancel route guidance?
-  Yes
-  Cancelling route guidance

Voice control cancels route guidance.

or

-  No
-  Continuing route guidance.

The dialog with voice control is terminated. Route guidance remains activated.

“Zoom In”/“Zoom Out”

You can use these commands to zoom the map display one step in or out.


“Zoom In Completely”/“Zoom Out Completely”

You can use these commands to set the map display directly to the smallest or largest scale.

“List Destination Memory”


You can use the “List destination memory” command to listen to the entries from the address book’s destination memory and, if required, navigate to one of them.

Example of dialog:

-  List destination memory
- The system reads out all entries, from the address book destination memory.


To select an entry and set an address:

- ▶ **Vehicles with Voice Control buttons on the Multi-function Steering Wheel:**

Press the  button at the selected entry.

or

- ▶ **Vehicles with Lever for Voice Control:** Pull the Voice Control lever toward you at the selected entry.

-  If there is more than one address, the system asks “Navigate to: home or work?”

-  Home

The system starts route guidance.

To cancel the dialog:

- ▶ **Vehicles with Voice Control buttons on the Multi-function Steering Wheel:**

Press the  button.

or

- ▶ **Vehicles with Lever for Voice Control:** Push the Voice Control lever away from you.

You have canceled the dialog. The system confirms by responding “Cancel”.

Address Book

Warning!

Please devote your attention first and foremost to the traffic situation you are in.

Before your journey, please familiarize yourself with the address book functions.

Only use the Voice Control System when road and traffic conditions permit you to do so. Otherwise you could be involved in an accident in which you or others could be injured.

Overview

The address book gives you the option of storing information about people in the form of entries.

Using voice control, you can dial a phone number stored in the address book or start route guidance for a stored address.

Apart from the speaker-dependent voice tags stored in the address book, voice control can recognize all the entries in the name fields of the address book. Recognition of the entries in the address book depends on the text that was entered. To make a call you must say the text of the entry.

Check the address book entries for the following:

- The name entries, e.g. last name and first name, are in the right fields.
- Do not use abbreviations or acronyms.
- Avoid unnecessary spaces in names.
- Do not use special characters.

You can improve voice recognition by saving a speaker-dependent voice tag for address book entries.

Use a speaker-dependent voice tag:

- for names which are difficult to pronounce
- to distinguish names which sound similar
- for names which are not pronounced as they are written

Voice control can store up to 50 of these address book entries by means of a speaker-dependent voice tag.

Operation

You can use voice control at any time to:


- save a name
- select a name
- delete a name
- list the address book
- delete the address book
- open the address book
- open an entry from the address book
- list the phone book
- list the destination memory

To open the address book:

- ▶ **Vehicles with Voice Control buttons on the Multi-function Steering Wheel:** Press the  button.

or

- ▶ **Vehicles with Lever for Voice Control:** Pull the Voice Control lever toward you.
- ▶ Give the “Address book” command.

- ▶ **Vehicles with Voice Control buttons on the Multi-function Steering Wheel:** Press the  button.

or

- ▶ **Vehicles with Lever for Voice Control:** Pull the Voice Control lever toward you.
- ▶ Give one of the address book commands explained below.

Commands

“Address Book”

- ▶ **To open the address book:** Say the command “Address book”.

“Help Address Book”

- ▶ Using the “Help address book” command, you can have all the essential commands for the address book read out.

“Save Name”

Use the “Save name” command to save a phone number with a voice tag for a specific speaker. Use this command for a name which is complicated or which is pronounced differently as it is spelled, for example, because it is a foreign name. When you have given the command “Save Name”, voice control prompts you to enter a phone number.

The digits 0 to 9 and the word “Plus” are permitted.















“Plus” replaces the international dialing code, e.g. “00”.

Say the phone number in the form of a continuous string of digits or as blocks of digits, e.g. three to five digits.

Voice control repeats the digits it recognizes after each block of digits (with a pause of about half a second between each block of digits) and waits for you to continue speaking.

When you have given the command “Okay”, voice control prompts you two or three times to say the name. When repeating the name, make sure that you pronounce it in exactly the same way as you did the first time. Otherwise, the name cannot be saved and voice control aborts the saving procedure.

Example of dialog:

-  Save name
-  Please say the number
-  Zero one three zero
-  Zero one three zero
-  Five zero zero five
-  Five zero zero five
-  Okay
-  Please say the name.
-  Smith
-  Please repeat the name.
-  Smith
-  Would you like to save the number in a category?
-  No
-  Name and number saved



“Dial Name”





You can use the “Dial name” command to place a call by selecting a name from your address book. You can choose either a voice tag or say a name entry.

Only say the surname if only the surname is entered in the address book.

Say the surname first and then the first name if both are entered in the address book.

Example of dialog:

-  Dial name
-  Please say the name

-  Smith
If there is more than one phone number for an entry, voice control queries this.
-  Do you want to make a work call or a home call?
or
Please select a line number
-  Work
-  Smith work. Dialing number.

“Find Name”

Use the “Find name” command to search for a name in the address book. Voice control then asks what action you want it to perform: for example call the selected number, start route guidance to the saved address or open the entry.







“Find Address”

(▷ page 194)

“Delete Name”

Use the “Delete name” command to delete a voice tag from your address book.

Example of dialog:

-  Delete name
-  Please say the name
-  Smith
-  Do you want to delete Smith?
-  Yes
-  The voice tag has been deleted

“List Address Book”


You can use the “List address book” command to listen to all names and voice tags in the address book. You can select an entry during this.

If no name is entered in the name field of the address book, the phone number or the address is read out. A name can be entered later in the name field.

Example of dialog:


List address book

The system reads out all address book entries. If there is a large number of entries, the system asks from which entry it should start the reading.

-  If you do not say a name, voice control reads out all address book entries.

To select an address book entry:

▶ Vehicles with Voice Control buttons on the Multi-function Steering Wheel:


Press the  button at the selected entry.

or

▶ Vehicles with Lever for Voice Control:

Pull the Voice Control lever toward you. The entry is selected and shown on the display. Voice control asks whether the selected entry should be called, navigated to or opened.

▶ To select an address book entry:

Press the  button at the selected entry.

The entry is selected and shown on the display. Voice control asks whether the selected entry should be called, navigated to or opened.

To cancel the dialog:

▶ Vehicles with Voice Control buttons on the Multi-function Steering Wheel:

Press the  button.

or

▶ Vehicles with Lever for Voice Control:

Push the Voice Control lever away from you. You have cancelled the dialog. The system confirms by responding “Cancel”.

“List Phone Book” and Dialing a Phone Number

(▷ page 189)








“Delete Address Book”

You can use the “Delete address book” command to delete individual voice tags or all the voice tags in the address book. The address data is not deleted.

“Find Entry”

You can use the “Find entry” command to open any address book entry.

Example of dialog:

-  Find entry
 -  Please say the name
 -  Smith
 -  The system shows a numbered list in the display.
 -  Please select a line number.
 -  Line number 1 ...
 -  Line number 1 accepted.
- The system opens the first entry on the list.

If the selected entry contains at least one phone number or an address, voice control asks whether you want to dial the number or navigate to the stored address.






“Spell Entry”

You can use the “Spell entry” command to open any address book entry by spelling the name.

Say the letters in the form of a continuous string of letters (five to seven letters).

A list of possible entries will appear in the display and you can choose the one you require.

Example of dialog:

-  Spell entry
-  Please spell the name.
-  S-M-I-T-H
-  The system shows a numbered list in the display.
-  Please select a line number.



Number four



Number four accepted

The system opens the fourth entry on the list.

If the selected entry contains at least one phone number or an address, voice control asks whether you want to dial the number or navigate to the stored address.

- i** You can use the “Next page” or “Previous page” commands to scroll through the list. You can use the “Correction” command to spell the name again.

Radio and Satellite Radio

Warning!

Please devote your attention first and foremost to the traffic situation you are in.

Before your journey, please familiarize yourself with the radio functions.

Only use the Voice Control System when road and traffic conditions permit you to do so.

Otherwise you could be involved in an accident in which you or others could be injured.

Operation


You can use voice control to:

- select the waveband
- find a station
- select a frequency (FM, AM)
- select a category (Satellite radio)
- listen to the station list
- save a voice tag for a station
- delete a station list (voice tags only)
- delete a station (voice tag only)
- select a channel number (Satellite radio)

The names of all received and stored stations are available for voice recognition. To

improve voice recognition, you can store a voice tag for a specific speaker.

To select the radio or satellite radio application:

- **Vehicles with Voice Control buttons on the Multi-function Steering Wheel:** Press the  button on the multifunction steering wheel.

or

- **Vehicles with Lever for Voice Control:**

Pull the Voice Control lever toward you

- Say the command Radio or Satellite Radio.

- **Vehicles with Voice Control buttons on the Multi-function Steering Wheel:** Press the  button on the multifunction steering wheel.

or

or

- **Vehicles with Lever for Voice Control:**

Pull the Voice Control lever toward you

- Say one of the radio or satellite radio commands explained below.

Commands

You can always give the commands for the radio when you are listening to the radio, even if a different application is shown on the display.

“Help Radio”

Using the “Help Radio” command, you can have all the commands for the radio read out.

“Help Satellite Radio”

Using the “Help Satellite Radio” command, you can have all the commands for the satellite radio read out.

Selecting a Waveband

You can set the waveband with the following commands:

- “FM”
- “AM”

“Next Station”/“Previous Station”

You can start manual tuning and set the next station using the following commands:

- “Next station”
- “Previous station”

“Next Category”/“Previous Category”



You can use the following commands to change the category on satellite radio:

- “Next category”
- “Previous category”

Selecting the Frequency (FM Range)

You can select frequencies within the FM range (87.9 to 107.9 MHz) directly. Voice control also recognizes the words “frequency”, “point” and “megahertz”.



Example of dialog:

-  Eighty seven point five megahertz
-  Voice control sets the frequency.

Selecting the Frequency (AM Range)

You can select frequencies within the AM range (530 to 1710 kHz) directly. Voice control also recognizes the words “frequency” and “kilohertz”.

Example of dialog:







-  Five hundred and thirty kilohertz
-  Voice control sets the frequency.

“Save Station”

Using the “Save station” command you can give a voice tag to the station currently selected. You can also use this command to improve voice recognition for difficult names or if you want to use a name of your own. You could, for example, save a station with the name “Favorite station”.

When you have given the command, voice control prompts up to three times to say the station name. When repeating the station name, make sure that you pronounce it in exactly the same way as you did the first time. Otherwise, the name cannot be saved and voice control aborts the saving procedure.





Example of dialog:

-  Save station
-  Please say the station name
-  Favorite station
-  Please repeat the station name.
-  Favorite station
-  The station has been saved.

“Select Station”

Using the “Select station” command, you can select a saved station..



Example of dialog:

-  Select station
-  Please say the station name
-  Favorite station
-  Voice control sets the station

“Favorite Station”

Using this command, you can select a saved station.





Example of dialog:

-  Favorite station
-  Voice control sets the station

“Select Category” (Satellite radio)

Using the “Select category” command, you can select an available category.

Example of dialog:


-  Select category
-  Please say the category name
-  News
-  Voice control sets the category

“Category News” (Satellite Radio)

Use this command to select a satellite radio category.

Example of dialog:

 Category news

 Voice control sets the category

“Enter Channel Number” (Satellite Radio)

Use the command “Enter channel number” to select a satellite radio category.

“List Station List” and “Selecting a Station”

Using the “List station list” command, you can hear a list of all receivable stations and choose one from your station list.


i If voice control does not recognize the station name, have it read out the list of stations. This allows you to check whether you have saved the station you require in the station list.

Example of dialog:

 List station list

The system reads out the station list.

If the station you require is read out:

► **Vehicles with Voice Control buttons on the Multi-function Steering Wheel:** Press the  button.

or

► **Vehicles with Lever for Voice Control:** Pull the Voice Control lever toward you. The system sets the corresponding frequency.

To cancel the dialog:

► **Vehicles with Voice Control buttons on the Multi-function Steering Wheel:** Press the  button.

or


► **Vehicles with Lever for Voice Control:** Push the Voice Control lever away from you. You have canceled the dialog. The system confirms by responding “Cancel”.

“Delete Station”


You can use the “Delete station” command to delete a voice tag for a station from your station list.

Example of dialog:

 Delete station

 Which station would you like to delete?

 Favorite station

 Do you want to delete “Favorite station”?

 Yes


 Station deleted.

“Delete Station List”


You can use the “Delete station list” command to delete all voice tags or individual ones from your station list.

Example of dialog:


 Delete station list


 Would you like to delete all voice tags from the station list?

 Yes

 Are you sure?

 Yes

 All voice tags have been deleted from the station list

 The system permanently deletes all voice tags in the station list.

or






 No

The system reads out the list of stations.

When the system reads out the stations to be deleted:

- ▶ Press the  button.

The station to be deleted is selected. The system reads out the selected station again.

-  Do you want to delete “Favorite station”?
-  Yes
-  Station deleted
-  The system deletes the station and reads out the remaining entries in the station list.
- or
-  No

The system continues to read out the list of stations.

DVD Changer

Warning

Please devote your attention first and foremost to the traffic situation you are in.

Before your journey, please familiarize yourself with the radio and disc functions.


Only use the Voice Control System when road and traffic conditions permit you to do so.

Otherwise you could be involved in an accident in which you or others could be injured.

Operation


You can use voice control to:

- select a CD/DVD
- select a track
- select a directory in MP3 operation
- select a group in Audio DVD operation

-  On the command “Next/previous CD/DVD”, the DVD changer changes from one CD/ DVD to the next, skipping any empty compartments. If you select an empty

compartment with the “CD/DVD 1 to CD/DVD 6” command, the current compartment remains selected.

To select the CD application:


- ▶ **Vehicles with Voice Control buttons on the Multi-function Steering Wheel:** Press the  button.

or

- ▶ **Vehicles with Lever for Voice Control:** Pull the Voice Control lever toward you.

- ▶ Say one of the following commands:

- “CD player/CD changer”
- “DVD audio”
- “DVD video”
- “MP3”

- ▶ **Vehicles with Voice Control buttons on the Multi-function Steering Wheel:** Press the  button.

or

- ▶ **Vehicles with Lever for Voice Control:** Pull the Voice Control lever toward you.

- ▶ Give one of the CD or DVD commands explained below.

Commands

“Help CD”/“Help DVD”/“Help MP3”

With the commands:

- “Help CD”
- “Help DVD audio”
- “Help DVD video”
- “Help MP3”

you can have all the commands for the CD, DVD or MP3 read out.

“Next CD/DVD”

With the “Next CD”/“Next DVD” commands, you can select the next audio CD/ DVD from your DVD changer.

“Track 1” to “Track 99”

With the “Track 1” to “Track 99” commands, you can select a track number from the inserted CD/DVD.

“Next Track”

You can use the “Next track” command to select the next track.

“Previous Track”

With the “Previous track” or “Repeat track” commands, you can have the track just played repeated. If the command is spoken as the first few seconds of the track are played, the previous track is selected.

“Group 1” to “Group 9”

With the “Group 1” to “Group 9” commands, you can select a group on an inserted audio DVD.

“Next Group”/“Previous Group”

With the “Next group”/“Previous group” commands, you can select the next or previous group on the inserted audio DVD.

“Next Folder”/“Previous Folder”

With the “Next folder”/“Previous folder” commands, you can select a folder on the inserted CD/DVD in MP3 mode.

“Memory Card”

With the “Memory card” command, you can switch to the SD card on the COMAND system.

“DVD Video”

With the “DVD video” command, you can start a video DVD on the COMAND system.

“Hard Disk”

With the “Hard disk” command, you can change to the internal hard disk (Music Register) of COMAND.

External Equipment (Aux)

“Audio Aux”

You can use the “Audio Aux” command to activate the aux input.

Command List

In the Command list section, you will find all the main commands for operating voice control. The commands available to you depend on the vehicle’s equipment.

i Some functions have several voice commands to facilitate operation. These are grouped together between the separator lines in the list and can be used interchangeably.

General Commands

- Yes
- Correct
- Okay
- Cancel
- No
- Pause
- Address book
- MP3
- CD changer
- CD

- Navigation
- Route guidance
- Nav
- DVD video
- DVD audio
- Radio
- Satellite radio / Sirius
- Phone
- Messages
- Video
- Correction
- Wrong
- Incorrect
- Help
- Help functions
- Help devices
- Help voice control [system]
- Help voice control/voice control help
- General help
- 0 – 9
- Letters of the alphabet
- Continue
- Go forward
- Next page
- Previous page
- Go back
- Back
- Help radio
- Help phone/help telephone

- Help address book
- Help CD changer
- Help DVD
- Help DVD changer
- Help DVD audio
- Help DVD audio changer
- Help MP3
- Help MP3 changer
- Help navigation
- Help route guidance
- Help nav

Phone Commands

- Phone
- Telephone on/phone on
- Save
- Save name
- Save number
- Save phone number
- Dial number
- Dial phone number
- Confirm
- Confirm number
- Confirm phone number
- List phone book
- Read out phone book
- Redial
- Redial last number
- Redial last phone number

- Correction
- Incorrect
- Wrong number
- Wrong phone number

- Delete
- Delete name
- Delete phone number

Navigation Commands

- Navigation
- Route guidance
- Nav

- Guidance instructions on
- Switch guidance instruction/
instructions on Switch route guidance
instruction/ instructions on
- Listen to guidance instruction/
instructions

- Guidance/route guidance instructions
off
- Switch off guidance/route guidance
instructions
- Mute guidance/route guidance
instructions

- House number
- Enter house number

- Map
- Show map
- Map on/switch on map

- Zoom in
- Zoom in on map

- Zoom out
- Zoom out of map

- Zoom out completely

- Zoom in completely

- Enter state
- Change state
- Enter province
- Change province
- Enter destination area
- Another state

- Last destinations

- Enter town
- Enter name of town

- Spell town
- Spell name of town

- District
- Enter district
- Center
- Enter center

- Spell district
- Spell center

- Point(s) of interest/POI(s)
- Enter point(s) of interest/POI(s)

- Street
- Enter street
- Name of street
- Enter name of street

- Spell street
- Spell name of street

- Enter destination

- Save destination
- Save address

- Start route guidance/routing/destination guidance
- Begin route guidance
- Begin destination guidance
- Continue route guidance/destination guidance

- Cancel route guidance/navigation/nav/destination guidance
- Exit route guidance/navigation/nav/destination guidance
- Stop route guidance/navigation/nav/destination guidance
- Terminate route guidance/navigation/nav/destination guidance

- Next gas station

- Next Mercedes-Benz Service

- Next workshop

- Next MB service

- Next hospital

- Next car park

- Next restaurant

Address Book Commands

- Address book

- List address book

- Read out/play address book

- Delete address book

- Spell entry

- Spell name

- Find entry

- Delete name

- List destination memory
- Read out/play destination memory

- <voice_name_tu>

- <voice_name_ad> car

- <voice_name_ad> car phone

- <voice_name_ad> landline

- <voice_name_ad> landline phone

- <voice_name_ad> mobile

- <voice_name_ad> mobile phone

- <voice_name_ad> phone

- <voice_name_ad> work

- <voice_name_ad> home

- Work

- Office

- Company/business

- Car

- Car phone

- Landline

- Landline phone

- Mobile

- Mobile phone

- Work car

- Work car phone

- Car phone work/office/business/company

- Work/office/business/company/landline

- Work/office/business/company/landline telephone/phone

- Landline telephone/phone work/office/business/company

- Work/office/business/company/mobile
- Work/office/business/company/phone
- Mobile phone work/office/business/company

- Home

- Home car
- Home car phone
- Car phone home

- Home landline
- Home landline telephone/phone
- Landline telephone/phone home

- Home mobile
- Home mobile phone
- Mobile phone home

- Dial name

- Save name
- Save number
- Save telephone/phone number

- Accept
- Accept name
- Accept phone number
- Okay
- Finished

- <1> - <6>
- Select 1 - select 6
- Number 1 - number 6

Audio and Video Commands

- Audio

Radio

- Radio on

- 87.9 megahertz - 107.9 megahertz
- 87 point 9 to 107 point 9
- 87 point 9 megahertz to 107 point 9 megahertz
- Frequency 87.9 to frequency 107.9
- Frequency 87 point 9 to frequency 107 point 9
- Frequency 87 point 9 megahertz to frequency 107 point 9 megahertz

- FM

- AM

- Weatherband

- Next station
- Other station
- Station search

- Station <voice_tag>

- Delete station

- Save station

- Select station

- List station list
- Read out station list

- Delete station list

- Previous station
- Last station

Satellite Radio (SIRIUS XM)

- Satellite Radio on/SIRIUS on
- Next station
- Other channel
- Channel <voice_tag>
- Delete channel
- Save channel
- Select channel
- List channel list
- Read out channel list
- Delete channel list
- Last channel
- Previous station
- Next category
- Previous category
- Category <category name>
- Select category
- List category list
- Read out category list
- Previous category
- Last category

CD Changer

- CD changer
- Next CD
- Other CD
- Previous CD
- Last CD

- Next track

- Other track

- Previous track

- Last track

- Repeat/replay track

- CD 1 to CD 6

- CD number 1 to CD number 6

- Track 1 to Track 99

- Track number 1 to Track number 99

MP3

- MP3

- MP3 changer (on)

- Next MP3

- Other MP3

- Previous MP3

- Last MP3

- Repeat/replay MP3

- Next directory

- Other directory

- Previous directory

- Last directory

- Next track

- Other track

- Previous track

- Last track

- Repeat/replay track

- Track 1 to Track 99
- Track number 1 to Track number 99

- MP3 1 to MP3 6
- MP3 number 1 to MP3 number 99

Hard Disk

- Hard disk
- Music register

Memory Card

- Memory card

DVD Audio

- DVD audio
- DVD audio changer on

- Next DVD audio
- Other DVD audio

- Previous DVD audio
- Last DVD audio

- Next directory
- Other directory

- Previous directory
- Last directory

- Next group
- Other group

- Previous group
- Last group

- Group 1 to 9
- Group number 1 to 9

- Next track
- Other track

- Previous track
- Last track
- Repeat/replay track

- Track 1 to Track 99
- Track number 1 to Track number 99

- DVD audio 1 to DVD audio 6
- DVD audio number 1 to DVD audio number 6

Aux



Audio aux


Video

- Video
- DVD video

Troubleshooting

Problem	Possible Cause/ Consequence	Suggested Solutions
Voice control does not understand you.	You have not operated the system from the driver's seat.	▶ Only operate the system from the driver's seat.
	You have spoken too exaggeratedly, too loudly or too quietly.	▶ State the commands coherently and clearly without exaggerating.
	A blower is set to its highest setting or there is wind noise through an open window.	▶ Prevent loud noises from interfering.
An address book entry without a speaker-dependent voice tag is not recognized.	The fields in the address book entry for the last name and first name are both filled in, but you only said the first name or the last name.	▶ Say the last name and then the first name of the address book entry in full.
	The names entered in the address book do not sound sufficiently different, or are not pronounced as they are written.	▶ Make sure the address book entries are plausible. Check the address book entries for the following: <ul style="list-style-type: none"> • The name entries, e.g. last name and first name, are in the right fields. • Do not use abbreviations or acronyms. • Avoid unnecessary spaces in names. • Do not use special characters.

Problem	Possible Cause/ Consequence	Suggested Solutions
<p>An address book entry without a speaker-dependent voice tag is not recognized.</p>	<p>The names entered in the address book do not sound sufficiently different, or are not pronounced as they are written.</p>	<ul style="list-style-type: none"> ▶ Create a speaker-dependent voice tag. or ▶ Give the “List address book” command. The system reads out the address book. ▶ Vehicles with Voice Control buttons on the Multi-function Steering Wheel: Press the  button when the name you want is read out. or ▶ Vehicles with Lever for Voice Control: Pull the Voice Control lever toward you
	<p>The sound of the voice tags in the address book is not sufficiently different.</p>	<ul style="list-style-type: none"> ▶ The voice tags entered in the address book must sound as different as possible, e.g. store the names White and Wright as “Mr White office” and “Mr Wright John”. or ▶ Give the “List address book” command. The system reads out the address book. ▶ Vehicles with Voice Control buttons on the Multi-function Steering Wheel: Press the  button when the name you want is read out. or ▶ Vehicles with Lever for Voice Control: Pull the Voice Control lever toward you

Problem	Possible Cause/ Consequence	Suggested Solutions
A station list entry is not recognized.	The voice tags for the stations in the address book do not sound sufficiently different.	<ul style="list-style-type: none"> ▶ Save a speaker-dependent voice tag for the station (page 196). or ▶ Give the “List station list” command. The system reads out the station list. ▶ Vehicles with Voice Control buttons on the Multi-function Steering Wheel: Press the  button when the station you want is read out. or ▶ Vehicles with Lever for Voice Control: Pull the Voice Control lever toward you. The station is selected (▷ page 200).
If you are making speaker-dependent voice tags, the system prompts you to enter them several times.	The two voice tags differ from each other.	<ul style="list-style-type: none"> ▶ Say the voice tag with the same intonation both times.

Help Function

Voice control has a comprehensive help function to assist the user.


The voice control help function provides:

- general information about how best to operate voice control
- a list of the possible commands

“Help Voice Control”

You can use the “Help Voice Control” command to obtain information about how best to operate voice control.

“Help”

If you press the  button and say the command “Help”, you will receive help for the application currently selected.

If you select the “Help” command during a voice dialog, for example after the “Dial number” command, you will receive help explaining how the dialog continues.

You can also request the help function for a specific system, for example with the “Help phone” command.

If you have activated the help window, you will see a selection of the possible commands on the display (▷ page 41).

Overview	214
Emergency Calls	214
Roadside Assistance	214
Information Calls	215
Search & Send	215

Overview

Vehicle Equipment

- i** This Operator's manual describes all features, standard or optional, potentially available for your vehicle at the time of purchase. Please be aware that your vehicle might not be equipped with all features described in this manual.

The Tele Aid System

(Tele Aid – Telematic Alarm Identification on Demand)

The Tele Aid system consists of three types of response:

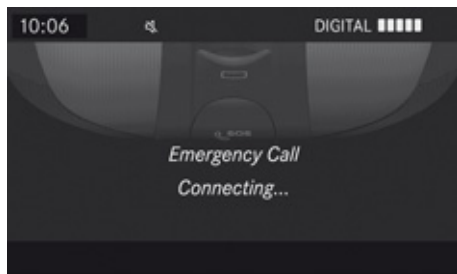
- automatic and manual emergency
- Roadside Assistance
- Information
- Search & Send

- i** Tele Aid is only available in the US.

Emergency Calls

Automatically

An emergency call is initiated automatically following an accident in which the emergency tensioning devices (ETDs) or air bags deploy.




P82.87-2185-31

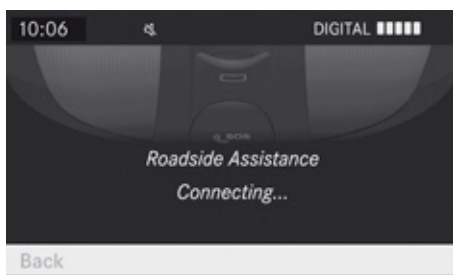
Initiating an Emergency Call Manually

- ▶ Briefly press SOS button cover to open.
- ▶ Press SOS button (for longer than 2 seconds).
The indicator lamp in the SOS button will flash until the emergency call is concluded.
- ▶ Wait for a voice connection to the Response Center.
- ▶ Close cover after the emergency call is concluded.
- i** During the emergency call message Emergency Call Activated is displayed, operation from COMAND is not possible.


For a complete description and additional information on Emergency calls please refer to the vehicle Operator's Manual.

Roadside Assistance

The Roadside Assistance button  is located in the overhead control panel.



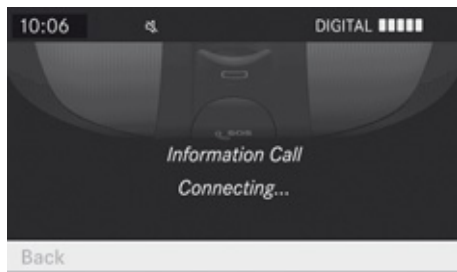
P82.87-2186-31

- ▶ Press and hold Roadside Assistance Button  (for longer than 2 seconds). A call to a Mercedes-Benz Roadside Assistance dispatcher will be initiated. The button will flash while the call is in progress.
- ▶ Describe the nature of the need for assistance.


For a complete description and additional information on Roadside Assistance calls please refer to the vehicle Operator's Manual.

Information Calls

The Information button  is located in the overhead control panel.



P82.87-2187-31

- ▶ Press and hold Information button  (for longer than 2 seconds).
A call to the Customer Assistance Center will be initiated. The button will flash while the call is in progress.

For a complete description and additional information on Information calls please refer to the vehicle Operator's Manual.

Search & Send

- i** In order to utilize Search & Send your vehicle must be equipped with Tele Aid, Navigation, and an active Tele Aid subscription.

“Search & Send” is a navigation destination address entry service. A destination address located using Google Maps® or Yahoo Local Maps® websites can be delivered via Tele Aid directly to the Navigation system in your vehicle.

Specify and Send a Destination Address

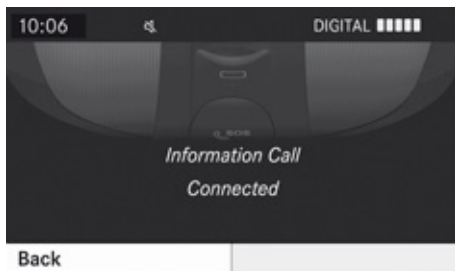
- i** Please refer to any specific instructions provided by either website regarding entering or sending an address. Each

website functions differently and is subject to change.

- ▶ Go to maps.google.com or maps.yahoo.com and enter a destination address in the address entry field.
- ▶ Depending on which website you are using, click on the appropriate button to send the destination address to your Tele Aid account email address.
- ▶ Enter the email address you specified when you activated your Tele Aid account in the appropriate field when the “Send” dialog box appears.
- ▶ Click “Send”.

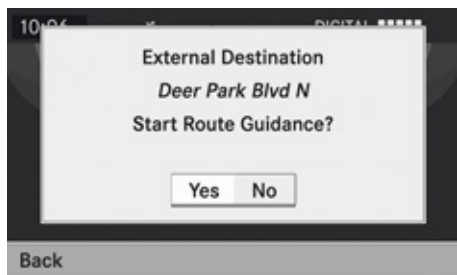
Retrieve Destination Address

- ▶ Press the Tele Aid Information button to begin the download of the destination address to your vehicle's navigation system.



P82.87-2188-31

- i** If you have sent more than one destination address to your vehicle you must make one Information call for each destination address download.
- ▶ Select Yes when the message appears asking if you would like to start navigation. This will open the start navigation screen (> page 68).

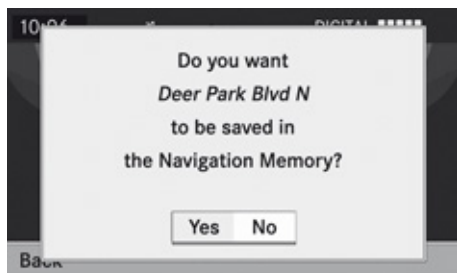


P82.87-2189-31

- ▶ Select Start.

or

- ▶ Select No if you wish to save the downloaded destination address in the From Memory destination list for future use.



P82.87-2190-31

- i** Destination addresses will download in the same order they were sent. If you have multiple Mercedes-Benz vehicles equipped with Tele Aid and active accounts, each destination address sent will be retrievable by all vehicles associated with the e-mail address you specified for your Tele Aid account.

We reserve the right to modify the technical details of the COMAND system as given in the data and illustrations of this Operator's Manual.

Press time: 09/26/2008

Reprinting, translation and copying, even of excerpts, is not permitted without prior authorization in writing.

Title illustration no. P00.01-3654-00 or X03. 971.303

