



Mercedes-Benz



# Modular Control System Operator's Manual

As a result of new improvements in equipment and components, some descriptions and illustrations in this operating manual are approximate or may deviate from the features actually included in your MCS operating unit.

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.

If your MCS operating unit is equipped with functions which are not described in this operating manual or if you have any questions, please contact any Mercedes-Benz Center for further information.

We recommend that you keep the operating instructions in your vehicle so that you always have them available.

If you sell your vehicle, you should give the operating manual to the new owner.

We reserve the right to modify the technical details of the Modular Control System as given in the data and illustrations of this Operator's Manual. Reprinting, translation and copying, even of excerpts, is not permitted without our prior authorization in writing.

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## How to use the Modular Control System operating manual

Before you take your first drive, please make yourself familiar with the MCS operating unit and the functions it supports. Read through these operating instructions carefully and, if necessary, refer to the operating instructions of your vehicle.

The operating instructions are divided into 6 chapters:

**Introduction:** An overview of the operating and display elements as well as explanation of the basic functions.

**Audio:** Information on the radio, tape, single CD player and CD changer equipment.


**Telephone:** Explanation of the telephone functions.

**Navigation:** How to enter your destination, selecting your route, route guidance, how to use the route memory, and selecting a detour.

**System settings:** Here you will find information on sound and display settings.

**Index:** Search items to help you find exactly what you are looking for.

Explanation of symbols used:

**Warning notices for the protection of yourself and others are preceded by a  symbol.**

### Operation - MCS and telephone



#### Warning!

In order to avoid distractions which could lead to an accident, system settings should be entered with the vehicle at standstill and the system should be operated by the driver only when traffic conditions permit.

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

MCS navigation supplies you with information to help you select your route more easily and guides you conveniently and safely to your destination. For safety's sake, you should not use some of the functions, such as entering the destination, unless your vehicle is stationary (electronic key in the steering lock at position 1).

**The navigation system does not supply any information on stop signs, yield signs, traffic regulations or traffic safety rules or changes in roads. This always remains your personal responsibility.**

### Operation safety



#### Warning!

Any alterations made to electronic components and the software can cause malfunctions.

The radio, amplifier, CD changer and telephone are interconnected. Therefore, when one of the components is not operating properly or has not been repaired, it may impair the function of other components.

This condition might seriously impair the operating safety of your vehicle.

**We recommend that you have any service work or alternations to electronic components done in an authorized Mercedes-Benz Center.**

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## Introductions

**Operating and display elements****MCS operating unit**

Using the MCS (**M**odular **C**ontrol **S**ystem) operating unit it is possible to operate the radio, tape deck, single CD player, CD changer, telephone and navigation systems and to adjust the system settings.

**Note:**

Your vehicle may not be equipped with all these components and features.

## 6

The MCS unit is equipped with a key panel (1), a rotary/push-button (2), a number keypad with the zoom keys (3), a joystick (4), a softkey panel (5) and a color display screen (6) as the displaying element. All of the functions are displayed on the screen. This includes menus, lists, maps, symbols and information windows.

The joystick is used to select and confirm the menu fields.

You will find information on the operating and display elements pertaining to each system at the beginning of the corresponding chapter.

**Rotary/push-button**

By pressing the button (2) you can switch the MCS on and off.

By turning the button you can raise or lower the volume.

### Key **OPEN**

This key lowers and raises the front of the control panel. Behind the front panel are the cassette slot and the CD slot for the audio CD or for the navigation CD.

If the display is in the down position for more than 20 seconds, 2 successive beeps will be heard. This will continue at 5 second intervals until the display is returned to its normal position. Press the key **OPEN** to return the control panel to its closed position.



### Warning!

A lowered control panel can easily be damaged, so as soon as the cassette or the CD is ejected, close the control panel. Do not place anything on the lowered control panel.

### Key **CLEAR**

This key enables you to alter an incorrect input.

### Number keypad

Use the keys **1** to **0 OPER** to enter telephone numbers and transmission frequencies, they can also be used to select radio stations, CD tracks and CD's.

### Key **zOOM-** and **# zOOM+**

These keys change the map scale in the navigation mode.

### Key **NAVI MENU**

This key brings up the navigation menu.

### Key **NAVI VOICE**





During the navigation operation this key repeats the current maneuver command.

## Introductions

**Joystick**

The joystick is the main operating element for activating equipment functions and submenus via the menu fields.


Activate these functions as follows:

- 1 Push the joystick in the direction you want to move the cursor on the display. Select the desired menu field by positioning the cursor on it.
- 2 Push the joystick to , ,  or  to start rewind or search functions in the radio, tape or CD mode.
- 3 Press the joystick to confirm your selection.

The selected function will activate, or a submenu may appear or a selection will be confirmed.

## 8

**Softkeys** 

With the softkeys  the submenus and functions which appear above the softkeys on the display can be activated.

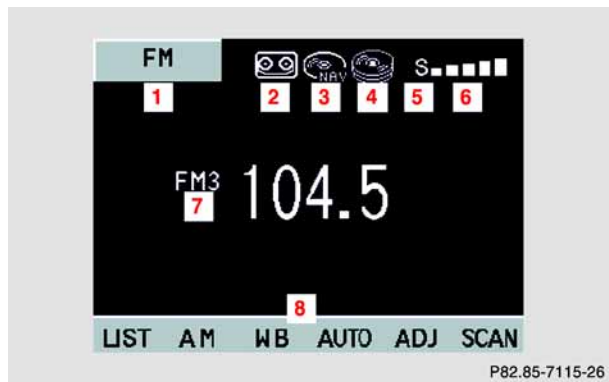
**Key** 



This key starts a telephone call.

**Key** 


This key ends a telephone call.

## Screen display

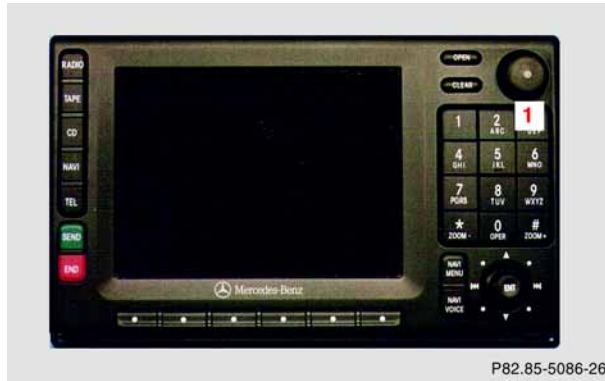


- 1 Information/status line, displays active system
- 2 Icon for inserted cassette in the head unit
- 3 Icon for inserted audio- or navigation CD  in the head unit

- 4 Icon for inserted magazine in the CD-changer
- 5 Telephone:  
S: Signal  
R: Roaming  
R (highlighted): Roaming on non-home type system
- 6 Signal meter for telephone
- 7 Displays system settings and functions
- 8 Menu field for the softkey functions

The information/status line (1) indicates the active system (e.g.: FM for radio). The current system settings and functions displayed appear in the middle of the screen (7). The menu field for the softkey functions (8) appears at the bottom of the screen. The functions can be activated by pressing the softkeys  below the icon.

## Introductions

**Switching the MCS operating unit on and off**

Switch on:

Press rotary/push-button (1). The MCS operating unit is switched on.

The MCS will also switch on when the electronic key in the steering lock is turned to position 1 or 2 if the MCS has been switched off by turning the electronic key in the steering lock to position 0 or removed.

## 10

The MCS can also be switched on if the electronic key is not inserted in the steering lock, but it will switch itself off automatically after one hour.

MCS switches on the system which was last active and displays the corresponding menu.

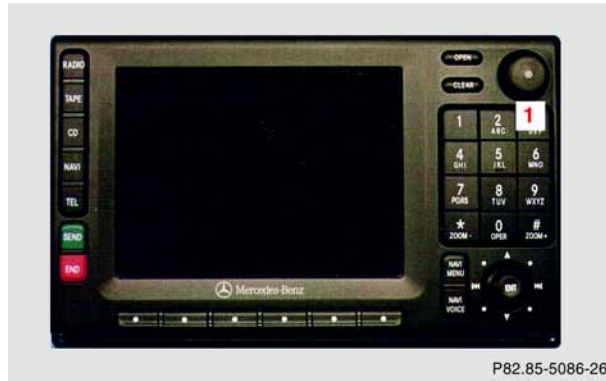
Press the button marked for the component you would like to switch on (e.g. the **RADIO**).

Switch off:

Press the rotary/push-button (1). The MCS operating unit will switch off.

The MCS also will be switched off if the electronic key in the steering lock is turned to position 0 or removed.

## Adjusting the volume



### Audio and telephone function

Raising the volume - turn rotary/push-button (1) to the right (clockwise)

Lowering the volume - turn rotary/push-button (1) to the left (counterclockwise)

Audio functions for radio, tape and CD:  
The selected volume level applies to all of the audio functions.

Telephone function:  
The selected volume level applies only to the telephone function.

### Navigation function

Raising the volume difference - turn the rotary/push-button (1) to the right (clockwise)

Lowering the volume difference - turn the rotary/push-button (1) to the left (counterclockwise)

During a navigation announcement you can select the volume difference between the volume of the audio source and the navigation voice.

Note:

During the announcement the volume of the audio source will be lowered.

Sound settings, page 153.

**Pop-up screen message: DISPLAY IS TOO HOT...**

If the message “DISPLAY IS TOO HOT ...” appears, the display is too hot. For protection the light will be shut off. When the display has cooled down the light will be automatically switched on.

**Anti-theft system**

If the power supply to the MCS has been interrupted, “PLEASE ENTER SECURITY CODE” will appear on the display when it is next switched on. The MCS will only work after the five digit code has been entered using the number keypad.




The code number is printed on the RADIO CODE CARD in the owner's portfolio. Keep the RADIO CODE CARD in a safe place.

### Entering the code number

Switch the MCS on, see page 10. "PLEASE ENTER SECURITY CODE" will appear on the display. Use the number keys to enter the desired security code, e.g.

 for 27001.

After entering the correct numerical code press the soft-key  "OK", the MCS starts. If a wrong number is entered you have to enter the complete numerical code again.

If an incorrect numerical code has been entered and confirmed, "PLEASE ENTER SECURITY CODE" will reappear on the display. The correct code must be entered once again. If an incorrect code is entered three times, "WAIT" will appear on the display and the MCS will be locked out for about 10 minutes. If after 10 minutes an incorrect code is entered again, "WAIT" will appear again and the MCS will be locked out for about 10 minutes. After that you have to wait 1 hour to re-enter the code.

Note:

The lockout time will only elapse if the MCS remains switched on.

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## Operating and display elements - Radio

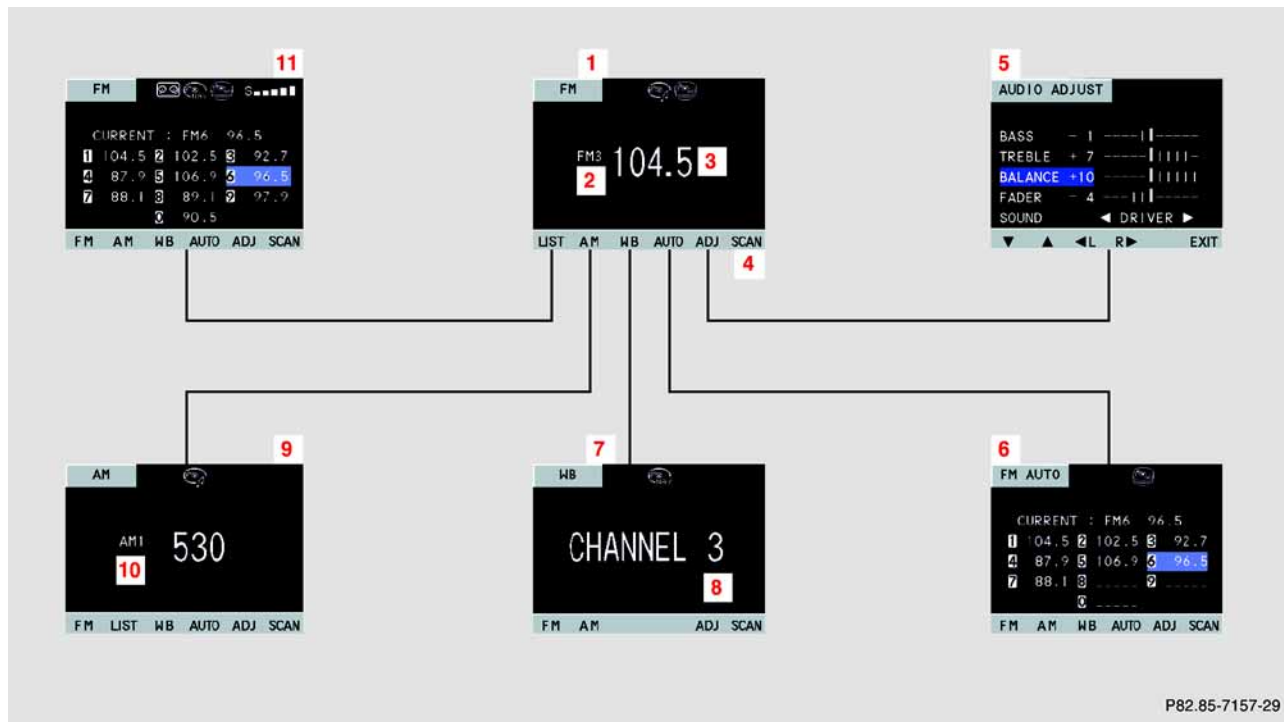


- 1 Switching radio on, Page 18
- 2 Color display with main menu
- 3 Raising or lowering the volume, page 11
- 4 Numeric frequency input, page 20  
Selecting a station, page 23
- 5 Push joystick to : Automatic seek tuning, page 21  
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Push joystick to : Manual tuning, page 20
- 6 Softkeys for:  
“LIST”: Preset menu, page 23, 25  
“AM”, “FM”: Changing radio band, page 19  
“WB”: Weather band, page 28  
“AUTO”: Automatically station saving, page 27  
“ADJ”: Sound adjustment, page 153  
“SCAN”: Scan function, page 22

## Radio operation

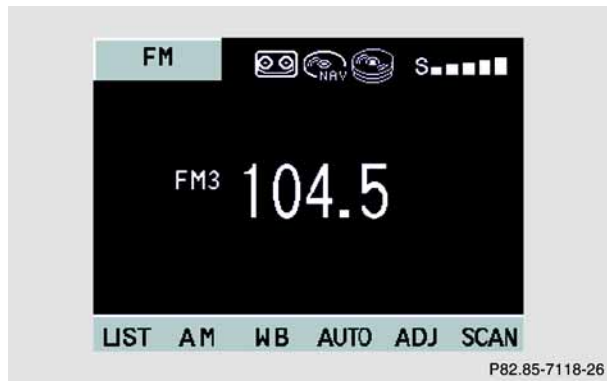
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## Menu overview - Radio



- 1 Main FM radio menu, page 19
- 2 Current band (FM) and memory preset selected are displayed
- 3 Current frequency
- 4 Scan function, scanning radio stations, page 22
- 5 Main sound settings menu, Adjust sound settings, page 153
- 6 Auto store menu, save and select stations automatically, page 27
- 7 Weather band, page 28
- 8 Current weather band
- 9 Main AM radio menu, page 19
- 10 Current band (FM) and memory preset selected are displayed
- 11 Preset menu, save and select stations, page 25

## Radio operation

**Switching radio operation on and off**

## 18

Switching on the radio:

Press **RADIO**. The radio will switch on.

The station last tuned will begin to play. On FM and AM the frequency will appear in the display.

Note:

The telephone and navigation functions can be used while the radio is on.

Switching off the radio:

Switch to the tape, single CD or CD changer mode or switch off the MCS.

## Changing the radio band



You can select by pressing the softkey the FM-, AM- and WB-band.

Press the softkey  "FM" to select the FM-band.  
Press the softkey  "AM" to select the AM-band.  
Press the softkey  "WB" to select the WB-band.

The station last tuned into will begin to play. The frequency will appear in the display.

## Selecting a station (FM or AM mode)

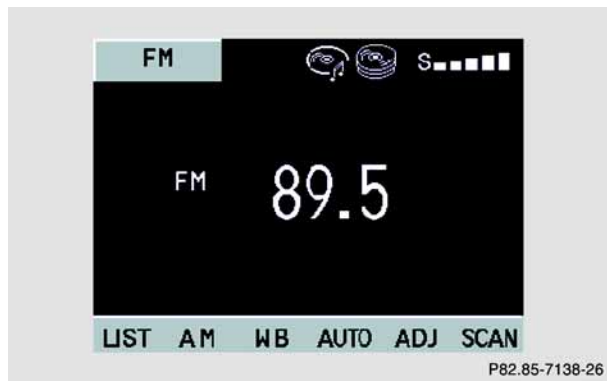
Different functions are available for selecting a station:

- Manual tuning, page 20
- Station selection via direct frequency entry, page 20
- Automatic seek tuning, page 21
- Automatic station scan, page 22
- Station selection via number keypad (presets), page 23
- Station selection in the auto store , page 27

## Radio operation

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## Manual tuning



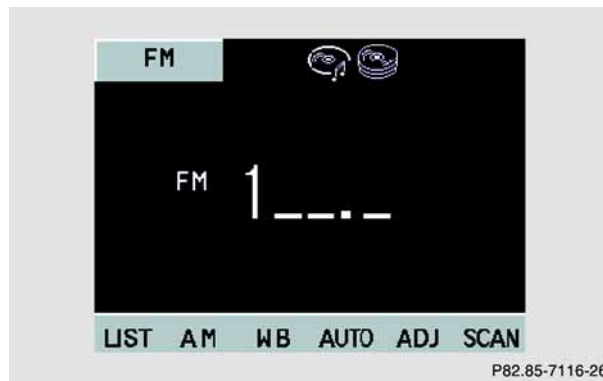
Push joystick to **▲**:

The frequency displayed will ascend in increments of 200 kHz (FM) or 10 kHz (AM). The ascending of the frequency starts slowly and then increases in speed.

Push joystick to **▼**:

The frequency displayed will descend in increments of 200 kHz (FM) or 10 kHz (AM). The descending of the frequency starts slowly and then increases in speed.

## Station select via direct frequency entry



It is possible to set a station by entering the station frequency directly via the number keypad.

Press the key **☰\*** (bottom left on the keypad). An input line will appear in the main radio menu.



Use the number keys to enter the desired frequency, e.g. **1** **0** **OPER** **0** **OPER** **3** **DEF** for 100.3 FM.

The display in the main radio menu will now indicate the new frequency. The station will begin to play.

FM mode:

You can only enter odd numbers after the decimal point, even numbers will not be accepted.

Note:

Frequencies can be entered only for FM and AM. If no entry is completed within 4 seconds, the station heard last will resume play.

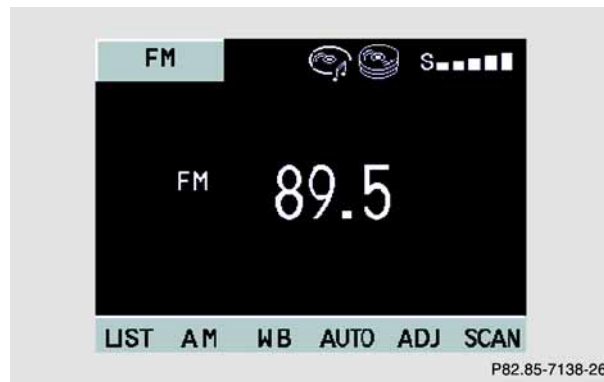
Enter the desired frequency.

Frequency ranges:

- FM: 87.9 - 107.9 MHz
- AM: 530 - 710 kHz

If you enter a frequency that is outside the allowable input range it will not be accepted.

## Automatic seek tuning



Push joystick to **▶▶**:

The next receivable station up the frequency range will be tuned in and begin to play. The station frequency will appear on the screen.

Push joystick to **◀◀**:

The next receivable station down the frequency range will be tuned in and begin to play. The station frequency will appear on the screen.

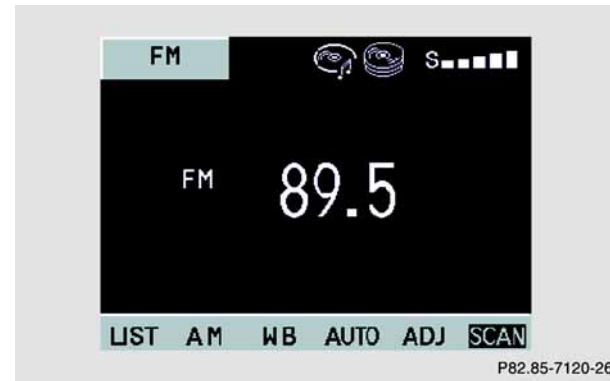
## Radio operation


Note:

The MCS needs about 10 seconds to seek through the whole band. If no station can be received, activate another radio function (e.g.: the tune function, see page 20) to stop the seek function.

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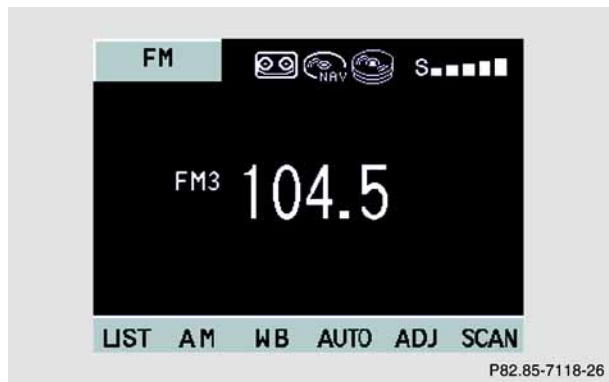
## Automatic station scan



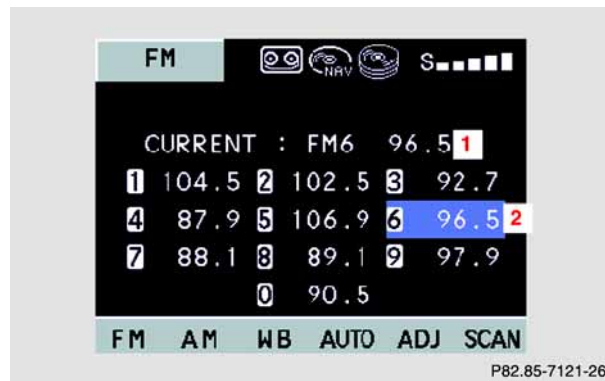
Press softkey  "SCAN". The activated scan function is shown by a negative SCAN on the display.


The receivable stations on the same band (FM/AM) will be played one after the other for 8 seconds.

## Station selection via number keypad (presets)



You can enter the memory preset number in the main radio menu or in the preset menu (LIST).



To view the preset menu select AM or FM and press the softkey  "LIST".

- 1 Frequency of the station you are listening to presently
- 2 Preset position of the station you are listening to presently

To exit the preset menu, press the softkey  "FM".

## Radio operation

Press one of the number keys, such as **MNO** briefly.

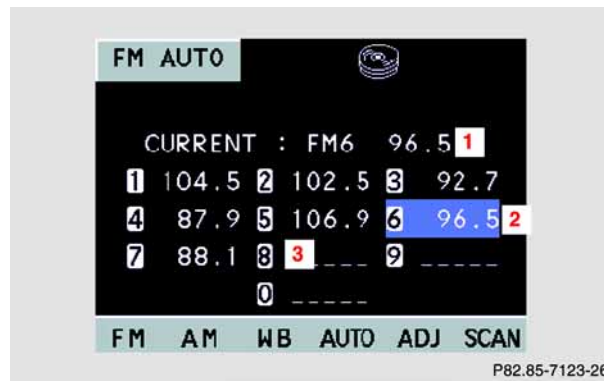
The radio will tune to the frequency assigned to that memory location. Note that FM and AM presets are independent and can only be accessed while in the corresponding band.

The memory preset number will appear in the status line.

Saving stations, pages 25 and 27.

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## Station selection in the auto store preset menu



To view the preset menu select AM or FM and press the softkey **●** "AUTO".

- 1** Frequency of the station you are listening to presently
- 2** Preset position of the station you are listening to presently
- 3** Memory preset available

Press one of the number keys, such as **MNO** briefly.

The radio will tune to the frequency assigned to that memory location. Note that FM and AM presets are independent and can only be accessed while in the corresponding band.

The memory preset number will appear in the status line.

Saving stations, pages 25 and 27.

### Memory functions (FM or AM mode)

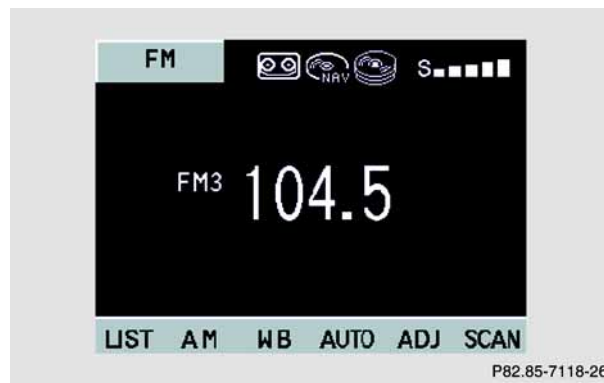
The following functions are available:

- Saving stations manually, page 25
- Saving stations automatically, page 27

Note:

There are 10 presets for the FM waveband and 10 presets for the AM waveband.

### Saving stations manually (FM/AM)



Select a band. You can select either AM or FM.

You can save a station in the main radio menu or in the preset menu (LIST).

To view the saved stations select AM or FM and press the softkey **●** "LIST".

## Radio operation

Press the corresponding number key, e.g. **3 DEF**, for longer than 2 seconds. You will hear a confirmation beep.

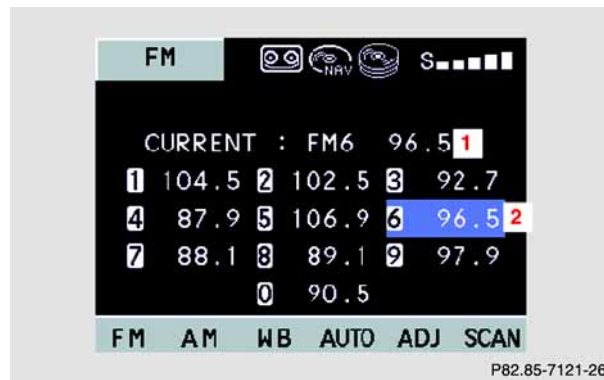
The currently displayed station will be saved in the memory corresponding to for the number key. The memory preset selected will appear in the status line.

Note:

An existing entry is overwritten in the memory list when a new input is given.

The standard FM/AM presets are not affected by the automatic preset. This is a second possibility for storing a station range you are currently receiving.

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## Preset menu


- 1 Frequency of the station you are listening to presently
- 2 Preset position of the station you are listening to presently


## Saving stations automatically (Auto store)



Select a band. You can select AM or FM.

The saving of stations in the auto store function does not affect the saved station in the preset menu.

Press the softkey  "AUTO" for longer than 2 seconds. While the stations are being saved "AUTO STORE IN PROGRESS" will appear in the display. All stations stored in auto store preset will be deleted and the 10 strongest stations will be searched and stored. The station frequencies available will appear in the memory list.

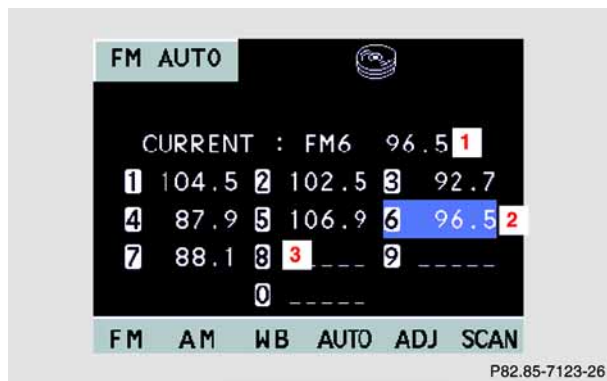
To view the saved stations select AM or FM and press the softkey  "AUTO."

Note:

The standard FM/AM presets are not affected by the auto store preset. This is a second possibility for storing a station range you are currently receiving.

## Radio operation

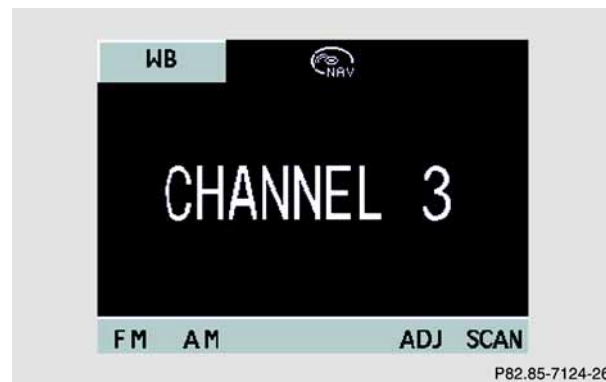
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## Auto store preset menu

- 1 Frequency of the station you are listening to presently
- 2 Preset position of the station you are listening to presently
- 3 Memory preset available

## Weather band











Press softkey  "WB". WB is displayed in the upper left corner.

The channel last tuned to will appear on the display.



To select a channel:

- Push the joystick to  or : The next channel will be tuned in.
- Push the joystick to  or : The next receivable channel will be tuned in.
- Press softkey  "SCAN". The activated scan function is shown by a highlighted "SCAN" on the display. The receivable channels will be played one after the other for 8 seconds.
- Press one of the number keys between  and , such as  DEF, briefly, the selected channel will tuned in.

If a weather station cannot be received on this channel an automatic search of all 7 channels will take place. As soon as a weather station is received, the search run stops and the channel appears in the display. Three cycles through the 7 channels will be made.







If a weather station cannot be received on any of the 7 channels the screen message "WB NOT AVAILABLE" appears.

## Tape operation

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## Operating and display elements - Tape deck



- 1 Switching tape operation on, Page 33
- 2 Color display with main menu
- 3 Lower the front of the control panel, behind the front panel is the cassette slot with the **EJECT** button, page 31
- 4 Raising or lowering the volume, page 11
- 5 Push joystick to : Music search forward, page 36  
Push joystick to : Music search reverse, page 36  
Push joystick to : The tape will wind fast forward, page 35  
Push joystick to : The tape will rewind, page 35
- 6 Softkeys  for:  
“PAUSE”: Pause function, page 38  
“SIDE”: Changing sides, page 34  
“”: Dolby B function, page 39  
“SKIP”: Skip blanks, page 38  
“ADJ”: Sound adjustment, page 153  
“SCAN”: Scan function, Page 37

## Inserting or ejecting a tape

Inserting:

Press **OPEN** to lower and raise the front of the control panel.

Insert the tape with the wider portion toward the right into the cassette slot. After 2 seconds the control panel will close automatically.

If the display is in the down position for more than 20 seconds, 2 successive beeps will be heard. This will continue at 5 second intervals until the display is returned to its normal position. Press the key **OPEN** to return the control panel to its closed position.

Note:

In the radio, cassette and CD-mode there will be a cassette symbol on the display if a cassette is inserted.

Ejecting:

Press **OPEN** to lower the front of the control panel.

Press **EJECT** to eject the cassette.

Press **OPEN** to raise the front of the control panel.

If the display is in the down position for more than 20 seconds, 2 successive beeps will be heard. This will continue at 5 second intervals until the front of the control panel is returned to its normal position. Press the key **OPEN** to return the control panel to its closed position.

Or slightly push the front of the control panel up and the panel will close automatically.



### Warning!

**A lowered control panel can easily be damaged, so as soon as the cassette is ejected close the control panel. Do not place anything on the lowered control panel.**

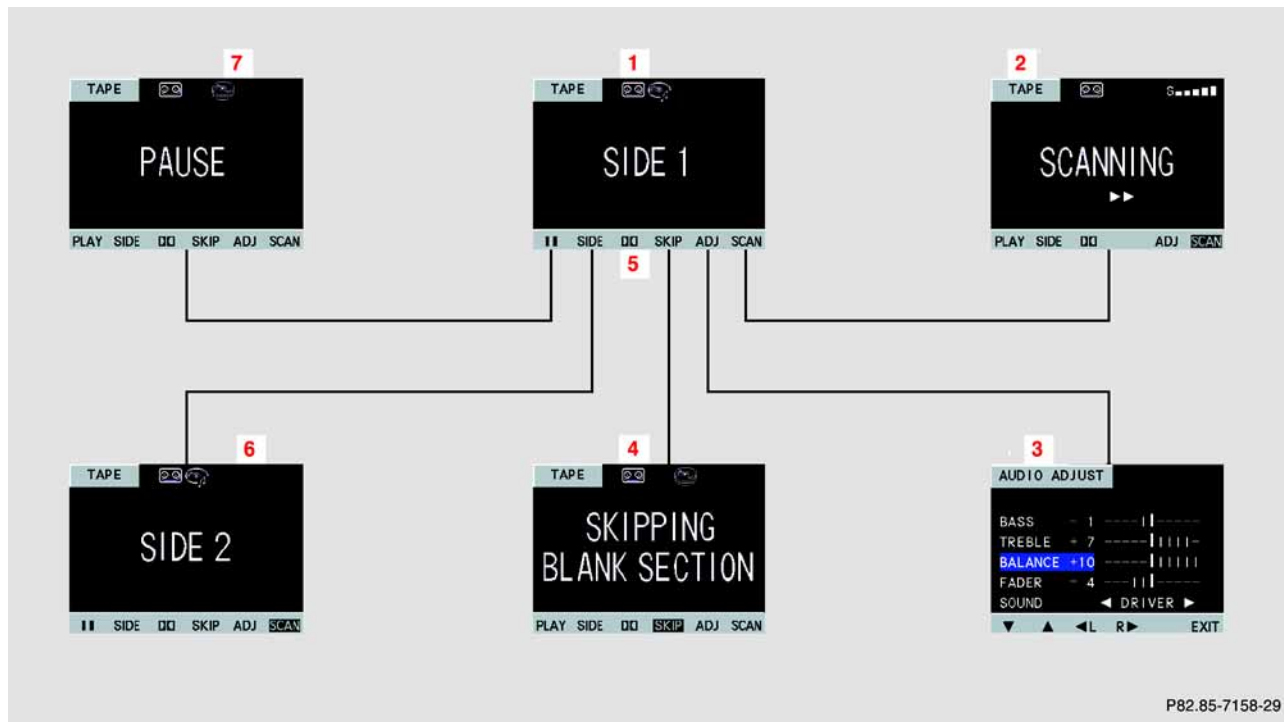
Note:


After ejecting the tape the MCS will switch to the last audio mode.

## Tape operation

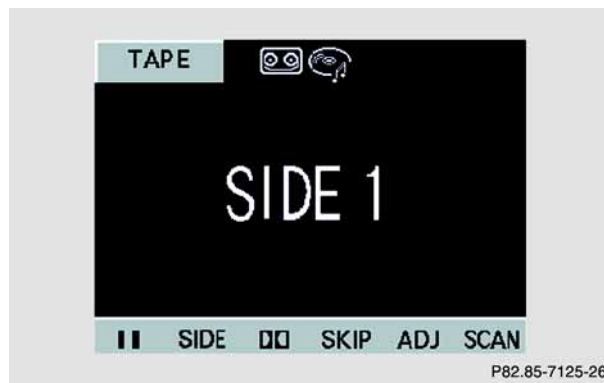
32

## Menu overview - Tape deck



- 1 Main tape menu
- 2 Scan function, scanning tracks, page 37
- 3 Main sound settings menu,  
Adjust sound settings, page 153
- 4 Skipping blank section, page 38
- 5 Noise reduction, Dolby B , page 39
- 6 Changing sides, page 34
- 7 Pause function, page 40

## Switching tape operation on and off



Tape operation begins:

- automatically, by inserting a cassette, page 31
- if you press the button  when a tape is already inserted in the cassette slot

The cassette side facing upward is defined as SIDE 1.

## Tape operation

34

Note:

In the radio and CD-mode there will be a cassette symbol on the display if a cassette is inserted.

If the message “NO TAPE ...” appears on the display no tape is inserted. Please insert a tape.

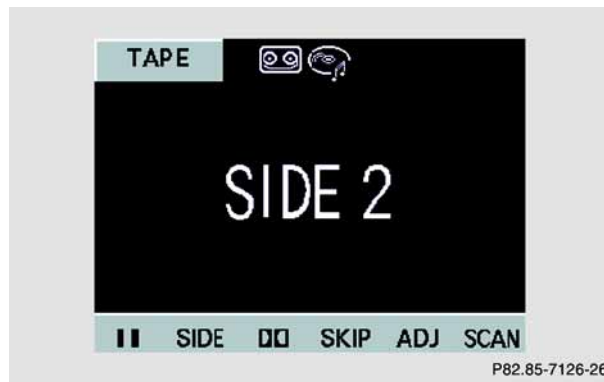
If the message “TAPE ERROR, TAPE MAY BE TOO TIGHT” appears on the display, the tape mode will stop and the headunit will switch to the radio mode.

The telephone and navigation functions can be used while a tape is playing.

Switch off tape playback:

Eject the tape, switch to the radio, single CD or CD changer mode or switch off the MCS.

### Changing sides




Press the softkey  “SIDE”. The flip side of the tape will now begin to play.

The side will also change automatically when the end of the tape has been reached. The side currently playing will appear in the main tape menu.

## Fast forward/rewinding



Push joystick to :  
The tape will wind fast forward; “FORWARD” will appear on the screen.

Push joystick to :  
The tape will rewind; “REWIND” will appear on the screen .

To stop the function:  
Push the joystick in any direction.

Note:

When the end /beginning of the tape is reached, the winding stops and the playback begins. The tape switches automatically to the other side at the end of a fast forward operation.

## Tape operation

**Music search**

Push joystick to :

The tape will wind to the next track; “MUSIC SEARCH FORWARD” will appear on the screen.

Push joystick to :

The tape will wind to the beginning of the current track or to the previous track; “MUSIC SEARCH REVERSE” will appear on the screen.

## 36

To stop the function:

Push the joystick in any direction.

Note:

The music search function will not work properly unless there is enough blank tape (approx. 2 seconds) separating the individual tracks.



## Scanning



The tracks on the tape can be scanned one after the other for 8 seconds each.

Note:

The scanning function will not work properly unless there is enough blank tape (approx. 2 seconds) separating the individual tracks.

To start the function:

Press the softkey  "SCAN". The activated scan function is shown by a highlighted SCAN on the display and "SCANNING" will appear on the screen.

To stop the function:

Press the softkey  "SCAN" or the joystick in any direction.

Note:

At the end of the tape, the tape will automatically switch to the other side and scan will stop.


## Tape operation

**Skip blanks**

If the tape deck does not detect a sound signal for longer than 15 seconds, it will fast forward to the next track or side. This function will continue after the tape has reached the end and switch to the opposite side.


## 38

To start the function:

Press the softkey  "SKIP". The activated skip blanks function is shown by a highlighted SKIP on the display.

If the tape deck activates fast forward, "SKIPPING BLANK SECTION" will appear on the display.


To stop the function:

Press the highlighted softkey  "SKIP".

## Dolby B (noise reduction)





This function provides the optimum playback of tapes recorded with Dolby B.

The Dolby noise reduction system is manufactured under licence by Dolby Laboratories Licensing Corporation. The word Dolby and the double-D symbol  are trademarks of Dolby Laboratories Licensing Corporation.

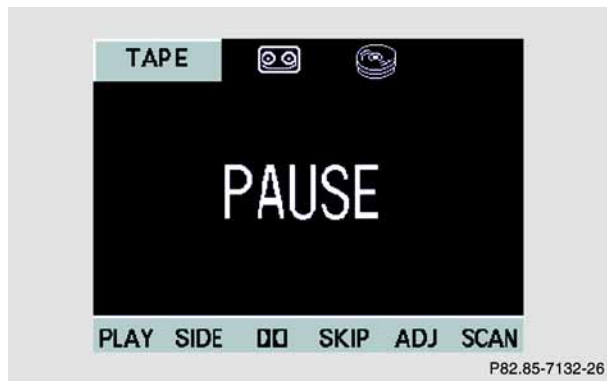
To start the function:

Press the softkey  “”. The activated Dolby B function is shown by a highlighted  on the display.


To stop the function:

Press the highlighted softkey  “”.

## Tape operation

**Pause**

## 40

Press the softkey  "II". The tape will stop playing and "PAUSE" will appear on the display. The tape will also stop if you send or receive a phone call.

To cancel PAUSE:  
Press the softkey  "PLAY".

## Operating and display elements - Single CD player (optional) and CD changer (optional)



- 1 Switching CD operation on, page 50
- 2 Color display with main menu
- 3 Lower the front of the control panel, behind the front panel is the single CD slot with the **EJECT** button, page 42
- 4 Raising or lowering the volume, page 11
- 5 Selecting a CD (MCS with CD changer), page 53  
Selecting a track, page 54
- 6 Push joystick to **▶▶**: Track select, the next track starts, page 54  
Push joystick to **◀◀**: Track select, the previous track starts, page 54  
Push joystick to **▲**: Music seek forward, page 55  
Push joystick to **▼**: Music seek reverse, page 55
- 7 Softkeys **●** for:  
“II”: Pause function, page 58  
“RDM”: Random play function, page 57  
“RPT”: Repeat function, page 56  
“TIME”: Select time display, page 59  
“ADJ”: Sound adjustment, page 153  
“SCAN”: Scan function, Page 56

**General information on CD playback****Warning!**

**The single CD player and CD changer are Class 1 laser products. There is a danger of invisible laser radiation if the cover is opened or damaged.**

**Do not remove the cover. The single CD player and the CD changer do not contain any parts which can be serviced by the user. For safety reasons, have any service work which may be necessary performed only by qualified personnel.**

Load the single CD player and the CD changer with 12-cm CDs only, do not use 8-cm CDs.

Note:

An 8-cm CD adapter may cause damage to the single CD player or the CD changer and should not be used.


## Inserting or ejecting a CD (Single CD player)

Inserting:

Press **OPEN** to lower the front of the control panel.

The CD should be inserted with the label side up into the CD slot. After 2 seconds the control panel will close automatically.

Note:

In the radio and tape mode there will be an audio CD symbol  on the display if an audio CD is inserted.

Ejecting:

Press **OPEN** to lower the front of the control panel.

Press **EJECT** to eject the CD.

Press **OPEN** to raise the front of the control panel.

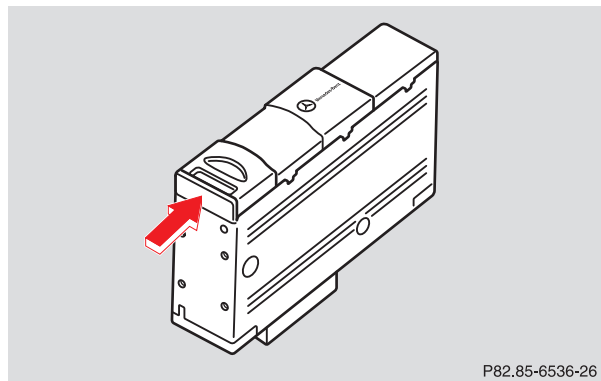
If the display is in the down position for more than 20 seconds, 2 successive beeps will be heard. This will continue at 5 second intervals until the display is returned to its normal position. Press the key **OPEN** to return the control panel to its closed position.

**Warning!**

A lowered control panel can easily be damaged, so as soon as the CD is ejected close the control panel. Do not place anything on the lowered control panel.

**Note:**

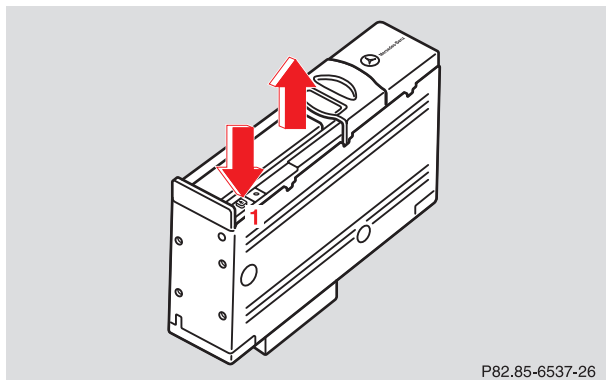
After ejecting the CD the MCS will switch to the radio mode.

**Loading CDs in the CD changer**

The CD changer is located behind the trim panel on the right side of the cargo area. It can accommodate up to 6 CDs.

Open the sliding door by pushing in the direction of the arrow indicated in the picture. Push the door completely open.

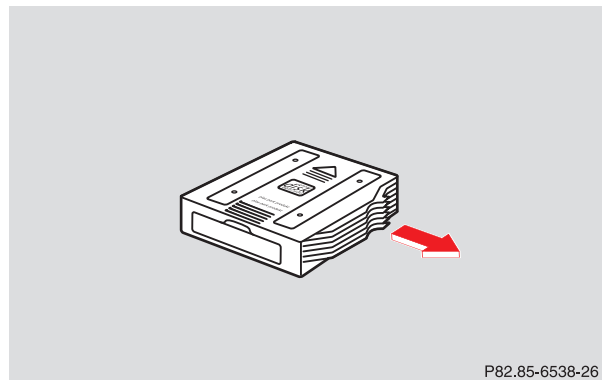




Press the eject button. The magazine will slide upwards.

Note:

The magazine can be ejected even if the MCS is switched off. However, the eject button will not function if the battery is not connected or drained.



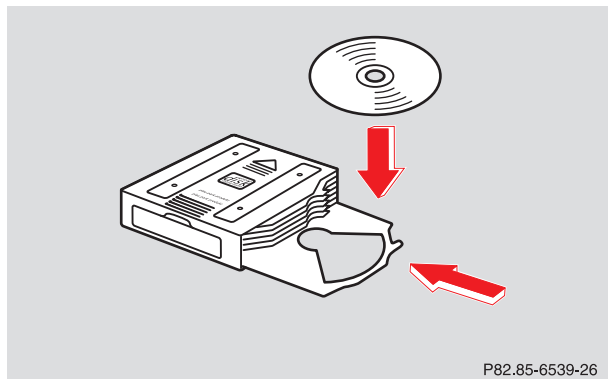
Pull the disk tray forward until it stops.

Note:

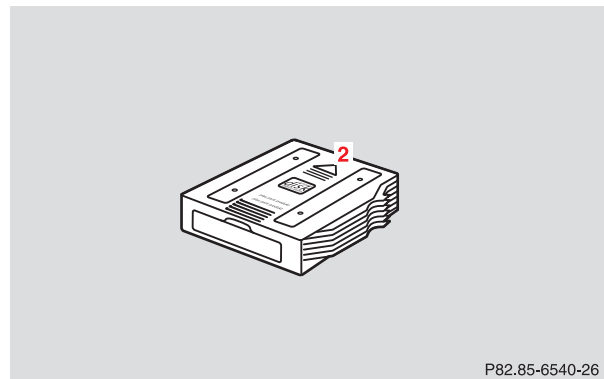
Do not attempt to remove the tray from the magazine.

## CD operation

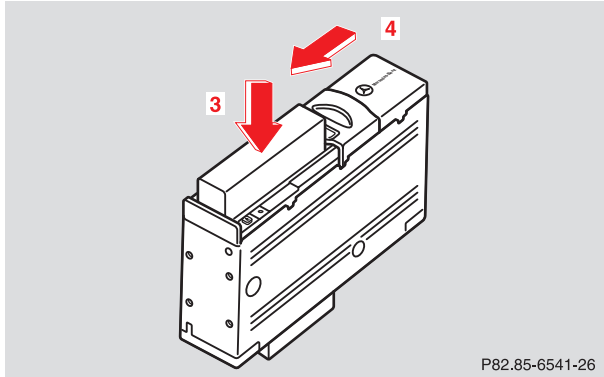
46



Place the CD in the tray. The CD should be inserted with the label side up.



Push the CD tray into the magazine completely.



Slide the magazine into the CD changer until it clicks into place (listen for the click). Close the sliding door (3).

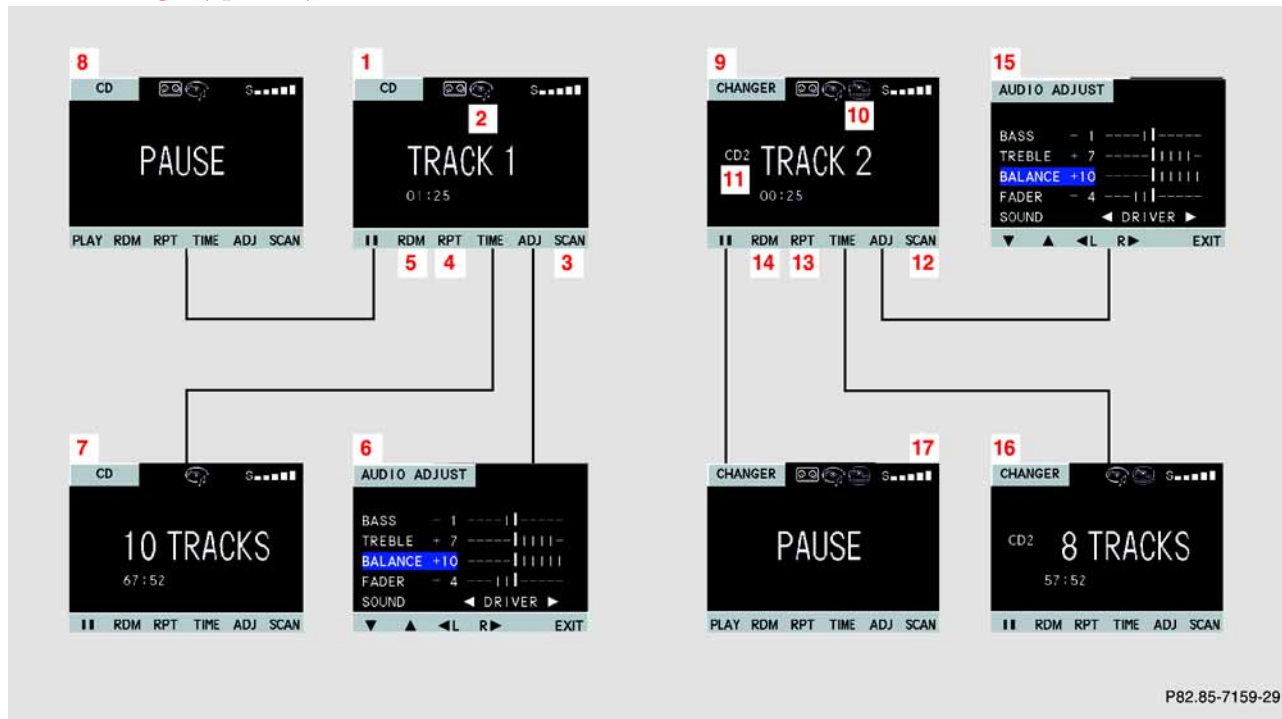
Note:

Make sure that the tip of the arrow (1) on the side of the magazine is pointing in the direction of the arrow (2). Do not force the magazine into the changer. If the magazine does not enter smoothly, please check for proper orientation of the magazine.

## CD operation

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Menu overview - Single CD player (optional)  
and CD changer (optional)



## Single CD player

- 1 Main CD menu for single CD player
- 2 Icon for inserted CD in single CD player
- 3 Scan function, scanning tracks, page 56
- 4 Repeat function, page 56
- 5 Random play, page 57
- 6 Main sound settings menu,  
Adjust sound settings, page 153
- 7 Pause function, page 58
- 8 Select time display, page 59

## CD changer

- 9 Main CD menu for CD changer
- 10 Icon for connected and loaded CD changer
- 11 Number of selected CD
- 12 Scan function, scanning tracks, page 56
- 13 Repeat function, page 56
- 14 Random play, page 57
- 15 Main sound settings menu,  
Adjust sound settings, page 153
- 16 Select time display, page 59
- 17 Pause function, page 58

## CD operation

**Switching CD operation on and off**

The navigation functions can be used while a CD is playing in the CD-changer.

MCS with navigation system:

However navigation is only possible while a navigation CD is inserted in the single CD player.

## 50

**MCS with single CD player**

CD operation begins:

- automatically, by inserting a CD, page 42  
The playback starts at Track 1.
- Press **CD** when a CD is already inserted in the CD slot. The playback starts at Track 1.

Switch off CD playback:

Eject the CD, switch to the radio or tape mode or switch off the MCS.

## MCS with CD changer

CD changer operation begins:

- Press **CD** when CDs are inserted in the CD changer, page 43.  
The playback starts at Track 1.

The telephone and navigation functions can be used while a CD is playing.

Switch off CD playback:

Switch to the radio or tape mode or switch off the MCS.

## MCS with single CD player and CD changer

If you press **CD** the MCS will start the last CD mode which was activated. To start the other CD mode press **CD** again.

Single CD player operation begins:

- automatically, by inserting a CD, page 42  
The playing starts at Track 1.
- Press **CD** when a CD is already inserted in the CD slot, page 42.  
The playing starts at Track 1.

Switch off CD playback:

Eject the CD, switch to the radio, tape or CD changer mode or switch off the MCS.

CD changer operation begins:

- Press **CD** when CDs are inserted in the CD changer, page 43.  
The playback starts at Track 1.

Switch off CD playback:

Switch to the radio, tape or single CD player mode or switch off the MCS.

## CD operation



Following screen messages can appear after **CD** is pressed:

- “NO CD” - there is no CD inserted, insert a CD.
- “CD ERROR” - the inserted CD can not be read, maybe the CD is inserted wrong, is damaged or is not an audio CD.
- Single CD mode: “NAVIGATION CD INSERTED ...” - a navigation CD is inserted in the CD slot, replace the CD and press CD again.

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- CD changer mode: “MAG. EMPTY” - there are no CDs in the inserted magazine.
- CD changer mode: “NO MAGAZINE” - there is no magazine in the CD changer.
- CD changer mode: “CHANGER ERROR” - have the MCS and the CD changer checked by an authorized Mercedes-Benz Center.

Note:

In the CD, radio and tape modes there will be symbols on the display for an inserted CD (single CD player) or a connected and loaded CD changer.



## Selecting CDs (MCS with CD changer)

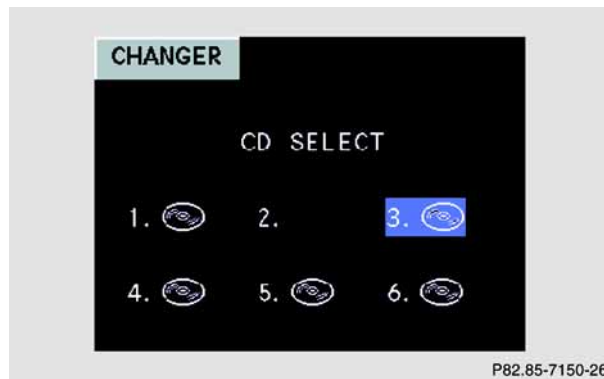


Selecting a CD with the number keypad:

Press a number key, e.g. **3 DEF**, to select the corresponding CD.

Note:

You can only select CD's by pressing a number key from **1** to **6 MNo**.



The screen as shown above will appear for 4 seconds on the display. The selected CD will be highlighted. If the selected magazine slot is empty, the message “NO CD” and the number of the selected slot will appear on the screen. Then the next CD inserted will be selected.

The playback will begin with track 1 of the selected CD.

Note:

After the last track of the current CD has been played, the next CD inserted in the magazine is selected and the playback will continue with track 1.

## CD operation

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## Track select



Select a track with the joystick:

Push joystick to **▶▶**:

The next track starts to play back.

Push joystick to **◀◀**:

Play back the previous track. If more than 10 seconds of playing time have elapsed, the current track is started over.

Push the joystick as often as necessary to select the desired track.



Selecting a track with the number keypad:

Press **ZOOM<sup>+</sup>** and enter the number of the track you wish to select, e.g. **OPER<sup>0</sup>** and **ABC<sup>2</sup>**. Track 2 is played.

Note:

To enter a single digit track number you can enter zero (0) followed by the track number, e.g. 01 or wait 4 seconds to start automatically. When entering a two digit number you must enter the second digit within 4 seconds. Otherwise, the function will switch off and the screen will return to the previous display.

If you enter a track number which is higher than the last track on the disk “INVALID TRACK” will appear on the display. The current track will keep playing without interruption.

## Music seek



Push joystick to :

The CD will seek forward as long as you push the joystick.

Push joystick to :

The CD will seek backward as long as you push the joystick.

Note:

When the end /beginning of the CD is reached, the music seek function stops.


## CD operation

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**Scanning**

The tracks on a CD can be scanned one after the other for 8 seconds each.

To start the function:

Press the softkey  "SCAN". The activated scan function is shown by a highlighted "SCAN" on the display.

To stop the function:

Press the highlighted softkey  "SCAN" or the joystick in any direction.


**CD track repeat**

Select the repeat function to repeat the current track. The repeat function will continue until you switch the function off.

To start the function:

Press the softkey  "RPT". The activated repeat function is shown by a highlighted "RPT" on the display.

To stop the function:

Press the highlighted softkey  "RPT".



Note:

You can not activate the repeat function and the random function at the same time. You can only select one function at a time.

### Play CD tracks in random order



Select the random function to play back the tracks on the CD currently selected in random order.

To select the next track in the random list push the joystick to  or .


## CD operation

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To start the function:

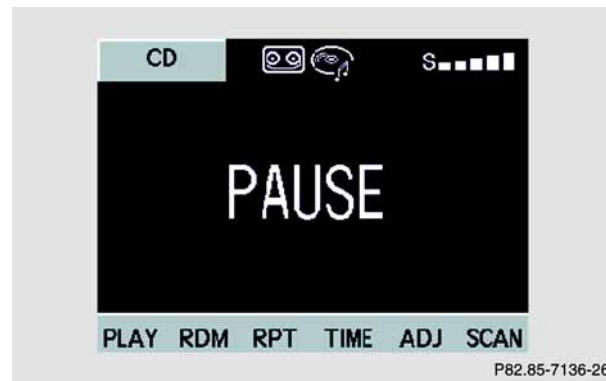
Press the softkey  "RDM". The activated random function is shown as a highlighted "RDM" on the display.


To stop the function:

Press the highlighted softkey  "RDM".

Note:

You can not activate the repeat function and the random function at the same time. You can only select one function at a time.

**Pause**


Press the softkey  "II". The CD will stop playing. On the display "PAUSE" will appear. The CD will also stop playing if you send or receive a phone call.

To cancel PAUSE:

Press the softkey  "PLAY".

## Select time display



The CD main menu displays the current track and the elapsed time. By pressing the softkey  "TIME" the total numbers of tracks and the total playing time will be displayed.

This display disappears after 4 seconds automatically or by pressing the softkey  "TIME" again.

## Contents - Telephone

60

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Dialing a telephone number .....	70
Dialing a number from the phone book.....	72
Redial.....	74
Speed-dialing.....	75
Quick-dialing .....	76
Emergency call.....	76
Requesting and displaying Info Services.....	79



## Before you use the telephone



### Warning!

**Never operate radio transmitters equipped with a built-in or attached antenna (i.e. without being connected to an external antenna) from inside the vehicle while the engine is running. Doing so could lead to a malfunction of the vehicle's electronic systems, possibly resulting in an accident and personal injury.**

**Please be sure to pay attention to the traffic situation at all times. Use the mobile cellular telephone<sup>1</sup> only when the traffic situation allows.**

**Some jurisdictions prohibit the driver from using a cellular telephone while driving a vehicle. 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 answering or placing a call.**

Radio transmitters, such as portable telephone or a citizens band radios should only be used inside the vehicle if they are connected to an antenna that is installed on the outside of the vehicle.

- Please read this section first before attempting to operate the telephone.
- Always drive with extreme caution when operating the telephone in the hands-free mode.
- For your safety, do not use the handset for telephoning while you are driving.
- Close the windows and reduce all outside noise as much as possible when you use hands-free operation.
- If the signal strength is very weak (display in the symbol field of the audio menus) you should not make telephone calls. Wait until reception improves.
- A brief disconnection from the provider network is not a malfunction. The telephone will try to log into a network again on its own.
- If you have locked the phone, you must enter the unlock code to be able to use all of the telephone functions. If you do not enter the unlock code you can only use the emergency number programmed into memory location 1 (default is 9-1-1). To enter the unlock-code, see page 66.

<sup>1</sup> Observe all legal requirements.

In the following situations, it is not possible or not yet possible to use the telephone:

- the telephone is already unlocked but is not (yet) registered in a network. The message “NO SERVICE” is displayed. The telephone will try to register into a network. If there is no network available, no phone service, including the emergency number into memory location 1, will be available. If the network is available, the telephone will be registered. The above message also appears if the network is no longer receivable because of weak receiving conditions. The message “NO SERVICE” is displayed if you try to make a call.
- The message “TELEPHONE NOT ATTACHED” is displayed. Please attach the telephone.
- The message “PHONE IS OFF ...” is displayed. Please switch on the telephone.

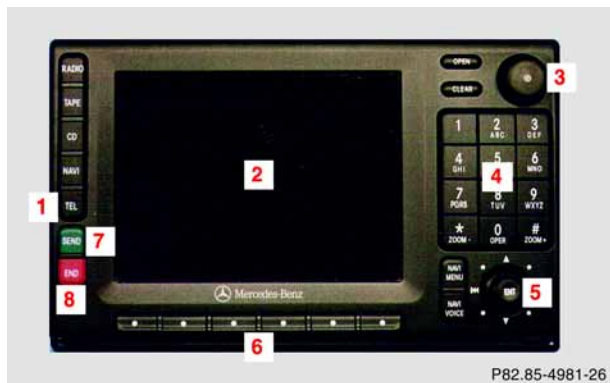
In the following situations, it is only possible to access the emergency number programmed into memory location 1:

- The unlock code has not yet been entered.
- The unlock code was entered incorrectly.

In the following situations these messages indicate that it is not possible to make a call:





- “SYSTEM BUSY” - dialing has failed because the cellular system is busy.
- “NO SERVICE” - dialing has failed because network cannot be received.“


## Operating and display elements - telephone



- 1 Switching telephone operation on, page 66
- 2 Color display with main menu
- 3 Sets the volume for handsfree operation of the telephone, page 69

- 4 Enter the unlock code, page 66  
Enter the telephone number, page 70  
Speed-dialing: Activates number stored in the phone book with a maximum of 2 digits, page 75  
Quick-dialing: Activates the first ten numbers stored with one digit, page 76  
Enter the emergency call, page 76

- 5 Push joystick to : Scroll list down, page 72  
Push joystick to : Scroll list up, page 72  
Push joystick to : Select name or number, page 72  
Push joystick to : Select name or number, page 72

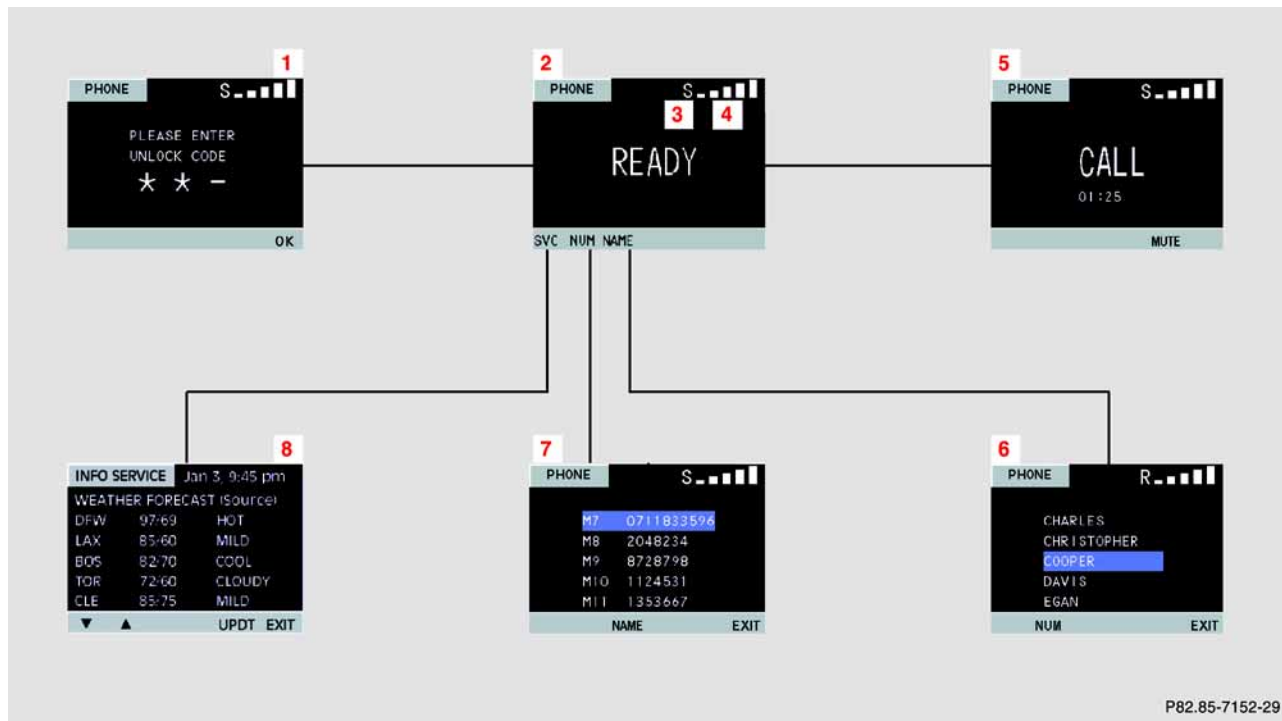
- 6 Softkeys  for:  
“SVC”: Info service, page 79  
“NUM”: Phone book with numbers list, page 72  
“NAME”: Phone book with names list, page 72

- 7 Accepting an incoming call, page 68  
Send a call, page 70
- 8 Ending a call

## Telephone

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## Menu overview - Telephone



- 1 Unlock code menu, page 66
- 2 Main telephone menu
- 3 S: Signal, page 67  
R: Roaming, page 67  
R (highlighted): Roaming on non-home type system
- 4 Reception indicator, page 69

- 5 Incoming call, page 68
- 6 Alphanumeric phone book, page 70
- 7 Numeric phone book, page 72
- 8 Info Service, page 79

## Telephone

**Switching telephone operation on and off**

Press **TEL**, the menu for entering the unlock code will appear.

## 66

**Entering the unlock code**

Use the number keys **1** ... **0** **OPER** to enter the unlock code. Asterisks will appear in place of the digits in the input line.

If the input code is correct and the phone is registered in a network, the phone is ready for use.

**Switching off the telephone system**

The telephone will change to sleep mode if you switch to an audio mode, navigation mode or switch off the MCS system.

Note:

Your unlock code prevents unauthorized persons from using your telephone. Be sure to memorize this code carefully. The code is a three digit number.

If you enter an incorrect code, the system returns to the menu for entering the unlock code.

The unlock code must be entered when the telephone is switched on for the first time (if phone is in lock mode), but not if you switch to it from another system (i.e. radio).

The emergency number programmed in memory location 1 can be used even if the unlock code has not been entered.

“NO SERVICE” - this message will appear in case the phone is not registered in a network or the network is no longer receivable because of bad receiving conditions. In this case, the emergency call number cannot be used.



If the telephone is ready for operation “READY” will appear. In the display the received signal is indicated by 1 to 5 bars, with 5 indicating a strong signal. If you are not in a home network, the roaming indicator “R” will be shown.

Outgoing calls, page 70.

## Telephone

68

**Incoming calls**

If the system detects an incoming call the phone rings and “CALL” will appear on the display. The telephone number will appear in the display if it can be identified. The corresponding name will appear in the display if it has been entered with the number in the phone book.

When the call is answered, the call time will appear in the display.

Accepting a call:

Press **SEND**, the current audio source is automatically muted.

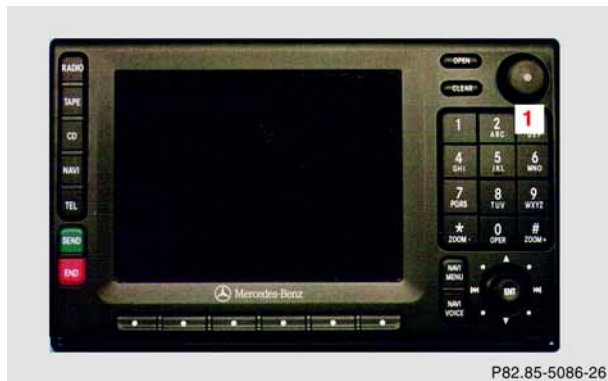
Refusing a call:

Press **END**, the main telephone display disappears and the previous source is restored.

Ending a call:

Press **END**, the main telephone display disappears and the previous source is restored.





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Setting volume for hands-free operation:

Raising the volume - turn rotary/push-button (1) to the right (clockwise)

Lowering the volume - turn rotary/push-button (1) to the left (counterclockwise)

## Accepting an incoming call and using the mobile cellular telephone handset

Removing the telephone from its cradle will switch hands-free operation off.



### Warning!

Please be sure to pay attention to the traffic situation at all times. Use the mobile cellular telephone<sup>1</sup> only when the traffic situation allows.

Some jurisdictions prohibit the driver from using a cellular telephone while driving a vehicle. 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 answering or placing a call.

<sup>1</sup> Observe all legal requirements.

## Outgoing calls

You can use the following functions:

- Dial a telephone number, page 70
- Dial a number from phone book, page 72
- Redial, page 74
- Speed dialing, page 75
- Quick dialing, page 76
- Pre-programmed emergency call, page 76

## Dialing a telephone number



Press **TEL**. The main telephone menu will appear. Any activated audio source will automatically be muted.

Enter the telephone number with the number keys



To correct the last digit press **CLEAR**.

If the number is correct press **SEND**. The dialing will begin. If the number is stored in the memory with a name, then the name will appear on the display.

To stop the dialing press **END**.

## Conducting a call



When the call is answered, the call time will appear on the display.

Ending a call:


Press **END** .



Subsequent dialing:

During the call you can press the number keys **1** ... **OPER** , **ZOOM-** and **ZOOM+** to transmit other dialing tones to the party you are talking to.

The numbers dialed will appear in the menu for 10 seconds after the last key is pressed (subsequent dialing display).

### Dialing a number from the phone book

The phone book can be accessed through either the softkey  "NAME" or the "NUM".

The softkey  "NAME" starts the alphanumeric scrolling mode and the softkey  "NUM" starts the numeric scrolling mode.


If there are no numbers located in the memory "PHONE BOOK MEMORY EMPTY" will appear on the display.





Note:

You can only save numbers and names in the telephone book via the cellular telephone, see telephone Operator's Manual.

### Dialing a number from the alphanumeric scrolling mode




When the main telephone menu is on display press the softkey  "NAME".

You also can enter the desired memory location number with the number keys  ...  OPER (e.g.:  PQRS ). You can enter up to 2 digits. To correct the last digit press **CLEAR**. If you have got the right number press the softkey  "NAME".


The alphanumeric scroll menu will appear on the display.

By pushing the joystick up or down you can select the desired name. The selected name will be highlighted.

By pushing the joystick to the left or the right you can jump to the next or previous page of the list.

You also can jump to the numeric scroll menu by pressing softkey  "NUM".

Begin dialing:


If you have found the right name press . When the call is initiated, the call time will appear in the display.






End the call:

Press .

## Dialing a number from the numeric scrolling mode



When the main telephone menu is on display press the softkey  "NUM".

You also can enter the desired memory location number with the number keys  ...  (e.g.: ). You can enter up to 2 digits. To correct the last digit press . If you have got the right number press the softkey  "NUM".

The numeric scroll menu will appear on the display.

## Telephone


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By pushing the joystick up or down you can select the desired number. The selected number will be highlighted.

By pushing the joystick to the left or the right you can jump to the next or previous page of the list.

You also can jump to the alphanumeric scroll menu by pressing the softkey  "NAME".

Begin dialing:

If you have found the right number press . When the call is initiated, the call time will appear in the display.

End the call:

Press .

## Redial



You can redial the last 10 numbers which have been dialed.

Select number:

Press **SEND**. The number list will appear on the display.

By pushing the joystick up or down you can select the desired number. The selected number will be highlighted.

By pushing the joystick to the left or the right you can jump to the next or previous 5 numbers in the list.

If there are no numbers stored “LAST NUMBERS MEMORY EMPTY” will appear on the screen.

Begin dialing:

If you have found the right number press **SEND**. When the call is initiated, the call time will appear in the display.

End the call:

Press **END**.

## Speed-dialing

When the main telephone menu is displayed enter the memory location desired with the number keys **1** ... **0** **OPER**. You can enter up to 2 digits.

To correct the last digit press **CLEAR**.

Press **SEND**. The phone number stored at this memory location will appear on the screen.

When the call is initiated, the call time will appear in the display.

End the call:

Press **END**.

### Quick-dialing

When the main telephone menu is displayed press one of the number keys **1** ... **0 OPER** (e.g.: **7 PQRS**) for longer than 2 seconds.

The phone number or the name stored at this memory location will appear on the screen.

When the call is initiated, the call time will appear in the display.

End the call:

Press **END**.

### Emergency call

#### Important!

If you press **1** and press **SEND** the number stored in memory location 1 (default is 9-1-1) will be dialed.

Pressing and holding **1** for more than 2 seconds will also initiate the call.

**The 9-1-1 emergency call system is a public service. Using it without due cause is a criminal offence.**

The emergency call will be placed as long as the corresponding mobile communications network is available. To do this, switch the telephone on, if you have not already done so.

Emergency call will also be placed, if the phone is locked.



Emergency calls (9-1-1) may not be possible with all phone networks. Check with your local carrier for availability.



### Caution!

**It will not be possible to connect the emergency call if the cellular system is busy. The message “SYSTEM BUSY” will be displayed.**

### Telephone is ready for operation



When the main telephone menu or a memory menu is displayed on the screen, enter the emergency number by pressing 1 for longer than 2 seconds (quick-dialing).

## Telephone

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Begin dialing:

After pressing **1** longer than 2 seconds the number which is stored will appear in the display.

End the call:

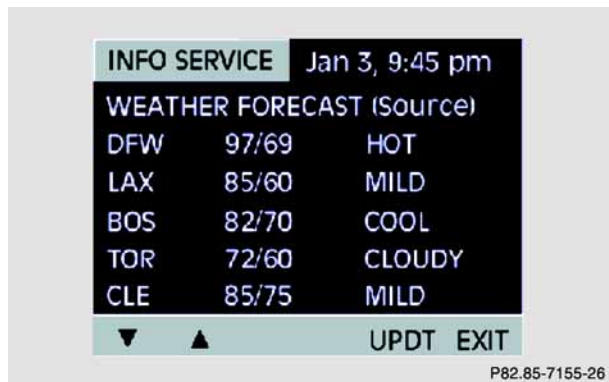
Press **END**.

Note:

To use this function you must ensure that the number stored in memory location 1 is the number to be dialed in case of emergency.


This function can also be used, if the telephone is locked.

## Requesting and displaying Info Services




Before you can use Info Services, Tele Aid must be activated at the Response center and the optional Info Services selected.

Info Services categories includes news, weather, stocks, sports and calendar reminders. Choices can be selected via [www.MBUSA.com](http://www.MBUSA.com) or by calling 1-800-756-9018.

When the main telephone menu is on the display press the softkey  "SVC". The Info Services display will appear on the display with the last update.

If there is no information stored "NO INFORMATION STORED IN MEMORY PLEASE UPDATE" appears on the screen.

If there is no information stored or you want to update the information press the softkey  "UPDT".

In the following situations it is not possible to update and the following messages appear:

- "DATA CONNECTION CANNOT BE ESTABLISHED" - request has failed because Response Center cannot be accessed.
- TELE AID PLEASE VISIT WORKSHOP" - a hardware error has been detected. Contact M-B center.
- "INFO SERVICE NOT ACTIVATED" - Info Services is not activated. You must activate Tele Aid at the Response center and select the optional Info Services.

In this cases press the softkey  "RTN" to return to Info Services display.



After new information has been downloaded “NEW INFO RECEIVED READ LATER WHEN STOPPED” appears on the screen.

By pressing the softkey  “YES” you will switch back to the current background audio mode (e. g. radio mode).

By pressing the softkey  “NO” the new informations will appear on the screen.




### Warning!

**In order to avoid distraction which could lead to an accident, information should only be read with the vehicle at stillstand and the system should be operated by the driver only when traffic condition permit.**

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

With the softkeys   and  or with the joystick you can flip to the next or previous page.

To exit the Info Service mode press the softkey  “EXIT” you will return to the main telephone menu.

Before you use the navigation system .....	82	Changing the route calculation mode	
Operating and display elements - Navigation .....	85	during guidance .....	129
Menu overview - Navigation.....	86	Viewing the Maneuver List during guidance .....	130
Switching navigation operation on and off.....	88	Road obstructed.....	131
Inserting or ejecting a navigation CD.....	89	Detour function .....	134
Entering destination address.....	90	Setting voice prompt type/frequency.....	135
Saving the current vehicle position.....	109	Setting type of guidance display .....	137
Address Book.....	110	Setting map screen orientation .....	140
Today's Plan.....	115	Setting points of interest icon options.....	141
Recent Route editing .....	120	Selecting the route calculation mode .....	144
The principle of route guidance .....	122	Selecting the off-route recalculation mode.....	146
Route guidance.....	124	Selecting the language.....	147
Mute voice instructions .....	127	Viewing GPS Information .....	149
Altering the map scale.....	128	Viewing Software Information .....	150
Break off route guidance .....	128		

### Before you use the navigation system



#### Warning!

During route guidance, you will not receive any information on traffic lights, stop or yield signs, no parking or no stopping zones, one-way streets, narrow bridges and similar traffic regulation data.

Please always strictly observe traffic regulations while driving. Traffic regulations always have priority over any route recommendations given. Study the manual and select route before driving, do not watch display screen or operate buttons while the vehicle is in motion - let voice notifications guide you. Stop at a safe location before using buttons or correcting screen. Drive carefully and always obey traffic laws and road signs even if they contradict system instructions.

For your safety you should only enter destinations when the vehicle is stationary. When the vehicle is in motion, a passenger should enter the destination.



#### Warning!

The CD reader contains a Class 1 laser product. There is a danger of invisible laser radiation if the cover is opened or damaged.

Do not remove the cover. The CD reader does not contain any parts which can be serviced by the user. For safety reasons, have any service work which may be necessary performed only by qualified personnel.

Navigation is only possible while a navigation CD is inserted in the single CD player.

The data stored on the original navigation CD is used for route calculation. Using another CD might lead to malfunctions.

Because of changes in local traffic patterns and/or incomplete data, errors in calculation may occur.

In this case, the recommended trip may deviate from the available traffic pattern, because the data information stored on the CD represents the local conditions at the time of the recording.

The current vehicle position cannot be displayed exactly in every case. Satellite reception conditions, road conditions, the conditions of the vehicle, etc. could cause deviations from the actual situation.

If the vehicle has been transported by a car, train or ferry, MCS will require some time to find its exact position. In these cases it is often sufficient to move the vehicle a few yards to receive a complete route recommendation.

The reception of GPS signals can be unreliable or at times even impossible:

- When driving between tall buildings, in parking garages or tunnels, when obstructed by large vehicles and similar structures.
- During electrical storms or very heavy rain.
- Satellites may be switched off for checking or repair.

Changing tires:

After changing the tires it may take some time for MCS to adjust to the new measurement of the tires. In these cases it is often sufficient to move the vehicle a few yards to receive a complete route recommendation.

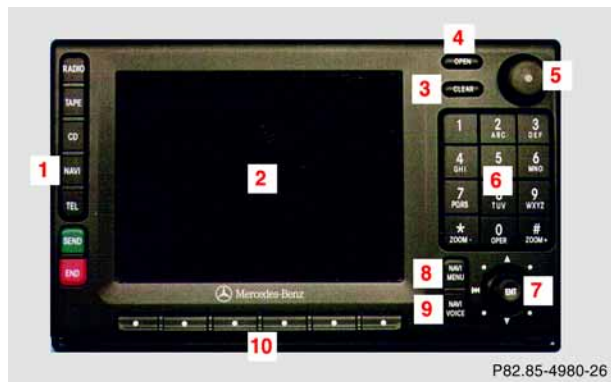
Travelling abroad:

If you intend to travel through different regions or abroad you will need the respective CD. Contact your authorized Mercedes-Benz Center to purchase a CD.

Remove the actual Navigation CD when you leave a region or cross the border and insert the Navigation CD for the region or country you travelling through.



## Operating and display elements - Navigation



- 1 Switching navigation operation on and off, page 88
- 2 Color display with main menu
- 3 Delete the last input, return to the previous screen
- 4 Lower the front of the control panel, behind the front panel is the CD slot with the **EJECT** button, page 89

- 5 Sets the volume difference between an audio source and navigation voice during an announcement, page 11
- 6 Input address number
- 7 Push joystick: Moving cursor  
Press **ENT**: Confirm selection
- 8 Activates the navigation menu
- 9 Repeats current (last) voice instruction
- 10 Softkeys **DETR** for:  
“DETR”: Detour, page 134  
“STOP”: Cancels the current destination, page 128  
“LIST”: Lists the maneuver, page 130  
“MUTE”: Mutes the voice instructions, page 127  
“MAP”: Changes between map screen and maneuver screen, returning to the map

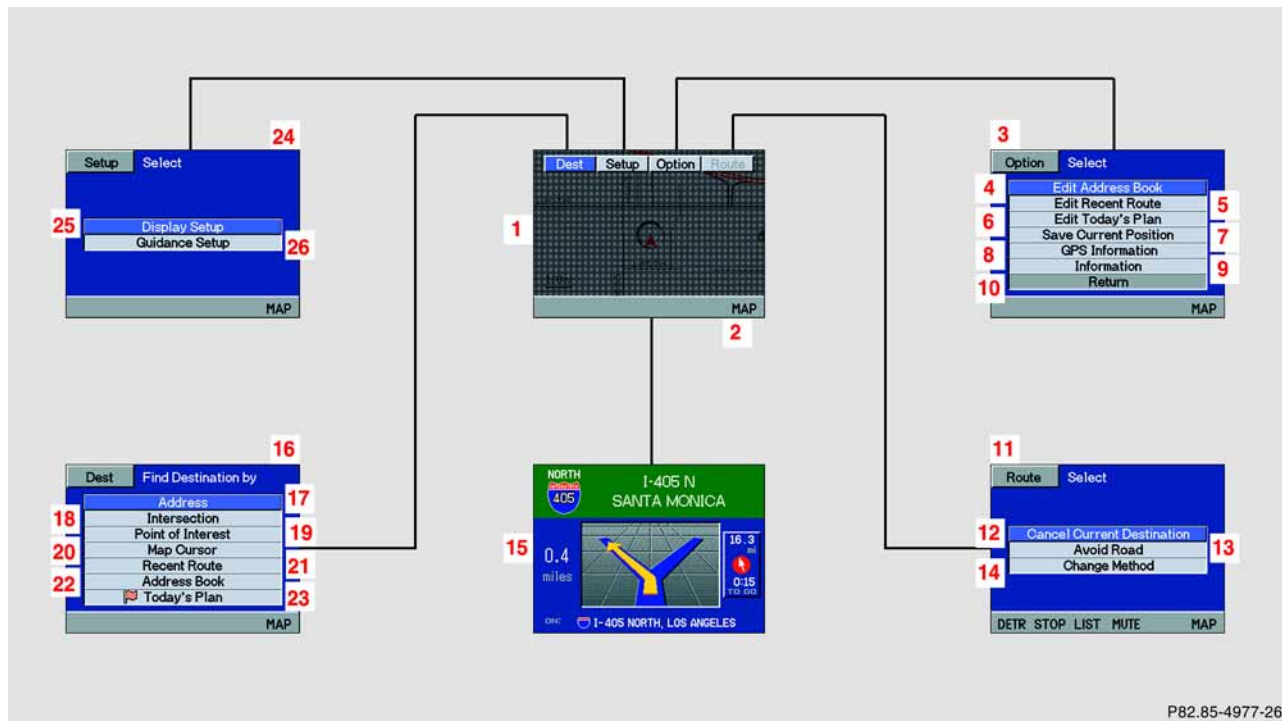
Note:

Press any softkey to access the function for that softkey.

## Navigation

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## Menu overview - Navigation



- 1** Main navigation menu
- 2** Changes between map screen and maneuver screen
- 3** Option menu
- 4** Edit Address Book, page 110
- 5** Edit Recent Route, page 120
- 6** Edit Today's Plan, page 115
- 7** Save Current position, page 109
- 8** GPS information, page 149
- 9** Software information, page 150
- 10** Return to the main navigation menu
- 11** Route menu
- 12** Avoid Road, page 131
- 13** Change Method, page 129
- 14** Cancel Current Destination
- 15** Maneuver screen
- 16** Destination menu
- 17** Find destination by address, page 90
- 18** Find destination by intersection, page 96
- 19** Find destination by Point of interest, page 100
- 20** Find destination by Map Cursor, page 105
- 21** Find destination by Recent route, page 102
- 22** Find destination by Address Book, page 103
- 23** Find destination by Today's Plan, page 115
- 24** Setup menu
- 25** Display Setup
- 26** Guidance Setup

## Destination input

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**Switching navigation operation on and off**

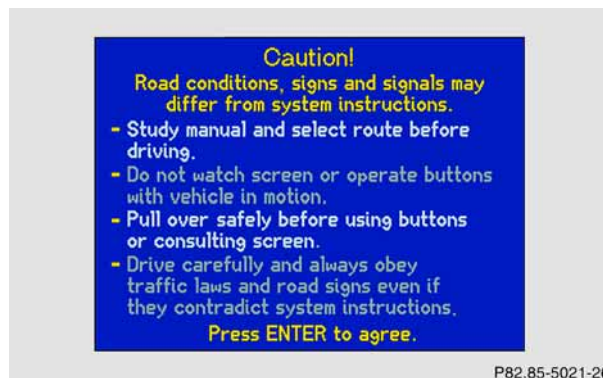
The navigation operation starts by pressing the button

**NAVI**

Only during the software loading process the navigation start up screen appears.

Note:

The navigation system starts only after a navigation CD has been inserted in the CD slot.



After the navigation system is booted the disclaimer screen appears. If you accept the statements press **ENT**.

Note:

The radio, tape, CD changer or telephone function can be used while the navigation system is running.

To switch off navigation operation:

Switch to the radio, tape or CD changer mode and the navigation system will continue to run in the background. If you switch off the MCS, the navigation and audio system will also switch off.


## Inserting or ejecting a navigation CD

Inserting:

Press **OPEN** to lower the front of the control panel.

The navigation CD should be inserted with the label side up into the CD slot. After 2 seconds the control panel will close automatically.

Note:

In the radio, tape and CD mode there will be a navigation CD symbol  on the display if a navigation CD is inserted.

Ejecting:

Press **OPEN** to lower the front of the control panel.

Press **EJECT** to eject the inserted CD.

Press **OPEN** to raise the front of the control panel.

If the display is in the down position for more than 20 seconds, 2 successive beeps will be heard. This will continue at 5 second intervals until the display is returned to its normal position. Press the key **OPEN** to return the control panel to its closed position.



### Warning!

**A lowered control panel can easily be damaged, so as soon as the CD is ejected close the control panel. Do not place anything on the lowered control panel.**

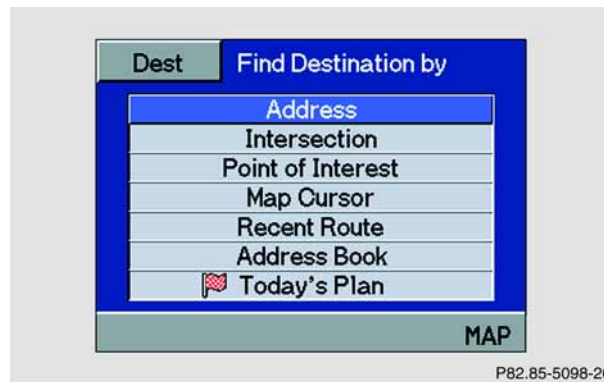
## Destination input

**Entering destination address**

You can search for a destination by:

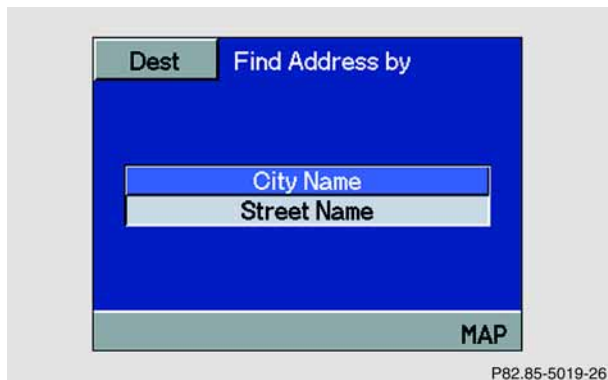
- an address, page 90
- an intersection, page 96
- a point of interest, page 100
- a recent address, page 102
- the personal address book, page 103
- selecting directly from the map, page 105
- Today's plan, page 115

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**Searching for a destination by address**

Press **NAVI MENU**. Select "Dest" with the joystick and press **ENT**.

The Destination menu appears. Select "Address" with the joystick and press **ENT**.



Note:

If the city name is known, start your search using the city name. This will save time versus starting a search using the street name.

Select “City Name” or “Street Name” with the joystick and press **ENT**.

## Destination input



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Enter city name:

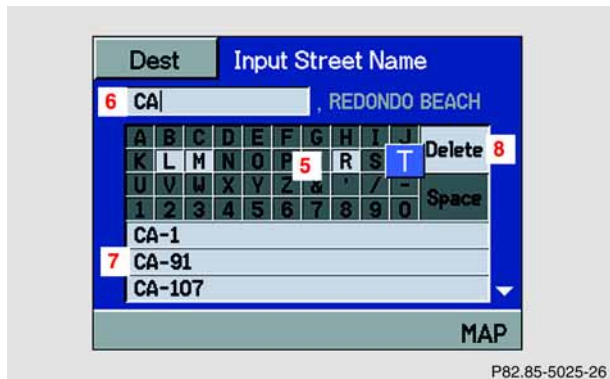
The input screen appears with the current city name. If you want to choose another city select the first character (1) of the desired city with the joystick and press **ENT**. The character will appear in the text window (2) and all cities starting with this character will appear in the city name list (3).

To enter more characters repeat this step. All unnecessary characters are shaded out.

To correct the last character select "Delete" (4) with the joystick and press **ENT**.

Select the desired city name from the city name list with the joystick and press **ENT**. If the street name was not entered before, the street name menu will appear.





Enter street name:

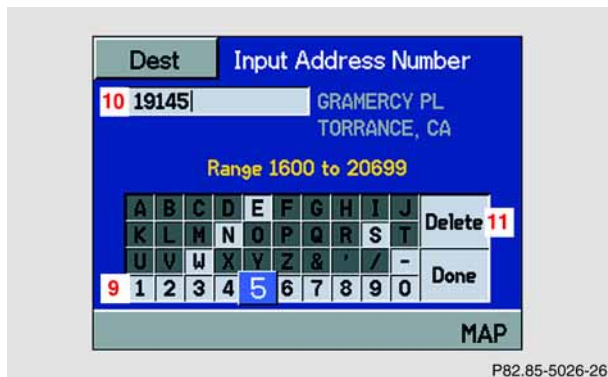
Select the first character (5) of the desired street with the joystick and press **ENT**. The character will appear in the text window (6) and all streets starting with this character will appear in the street name list (7).

To enter more characters repeat this step. All unnecessary characters are shaded out.

To correct the last character select "Delete" (8) with the joystick and press **ENT**.

Select the desired street name from the street name list with the joystick and press **ENT**. The address number menu will appear.

## Destination input



Enter address number:

Select the first number (9) of the desired address number with the joystick and press **ENT**. The character will appear in the text window (10).

To enter more characters repeat this step.

Numbers can also be entered through the number keypad.

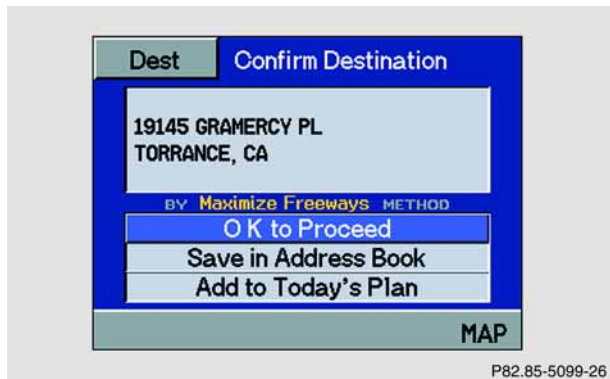
## 94

Note:

All unnecessary characters are shaded out. Use “N”, “E”, “W” or “S” only if the address number contains such a character. The MCS will automatically differentiate north, east, west and south street names.

To correct the last character select “Delete” (11) with the joystick and press **ENT**.

When the address number has been displayed, select “Done” with the joystick and press **ENT**. If the city name was not entered before, the city name menu will appear.



Once the complete address has been entered, the Confirm Destination menu will appear.

Select “OK to Proceed” with the joystick and press **ENT** the MCS will begin calculating the route.

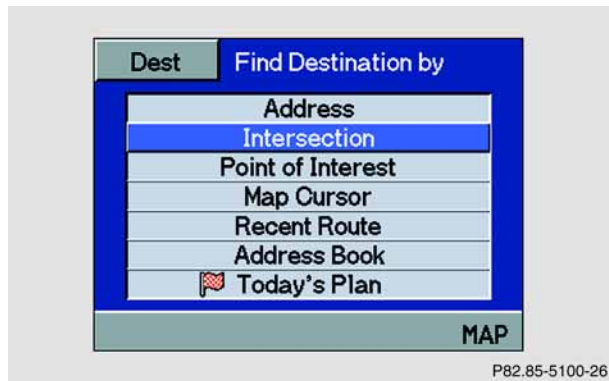
Select “Save in Address Book” with the joystick and press **ENT**, the address will be stored in the Address Book, page 110.

Select “Add to Today’s Plan” with the joystick and press **ENT**, the entry will be added to Today’s Plan, page 115.

## Destination input

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## Searching for a destination by an intersection



Press **NAVI MENU**. Select "Dest" with the joystick and press **ENT**.

The Destination menu appears. Select "Intersection" with the joystick and press **ENT**.



Select "City Name" or the "Street Name" and press **ENT**.

Note:

If the city name is known, start your search using the city name. This will save time versus starting a search using the street name.



Enter city name:

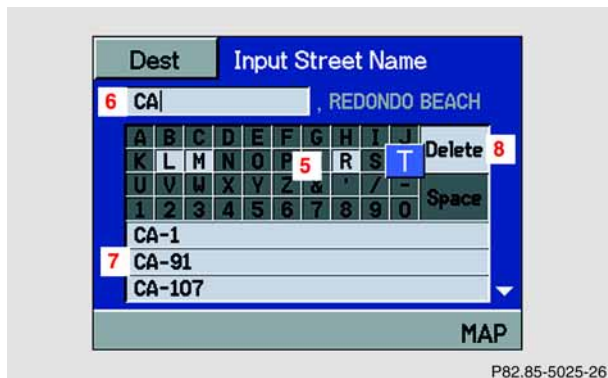
The input screen appears with the current city name. If you want to choose another city use the joystick to select the first character (1) of the desired city and press **ENT**. The character will appear in the text window (2) and all cities starting with this character will appear in the city name list (3).

To enter additional characters, repeat this step. All unnecessary characters are shaded out.

To correct the last character select “Delete” (4) with the joystick and press **ENT**.

Select the desired city name from the city name list with the joystick and press **ENT**. If the street name was not entered before, the street name menu will appear.

## Destination input



Enter street name:

Use the joystick to select the first character (5) of the desired street and press **ENT**. The character will appear in the text window (6) and all streets starting with this character will appear in the street name list (7).

## 98

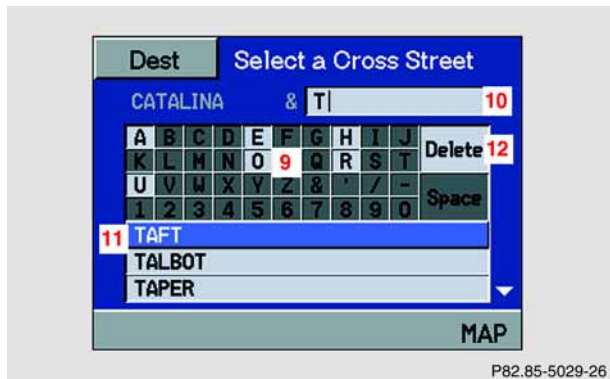
To enter additional characters, repeat this step. All unnecessary characters are shaded out.

To correct the last character select "Delete" (8) with the joystick and press **ENT**.

Select the desired street name with the joystick from the street name list and press **ENT**.

If the city was entered before, the cross street display will appear.

If the city name was not entered before, the city name menu will appear.



Enter cross street name:

Use the joystick to select the first character (9) of the desired street and press **ENT**. The character will appear in the text window (10) and all streets starting with this character will appear in the street name list (11).

To enter additional characters, repeat this step. All unnecessary characters are shaded out.

To correct the last character select “Delete” (12) with the joystick and press **ENT**.

Select the desired street name from the street name list with the joystick and press **ENT**.

If the complete address has been entered the Confirm Destination menu will appear.

Select “OK to Proceed” with the joystick and press **ENT**, the MCS will begin calculating the route.

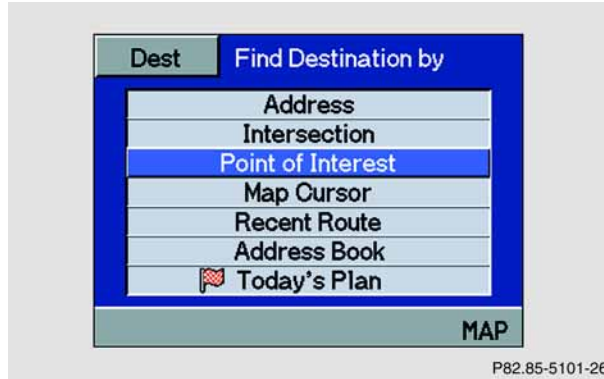
Select “Save in Address Book” with the joystick and press **ENT**, the address will be stored in the Address Book, page 110.

Select “Add to Today’s Plan” with the joystick and press **ENT**, the entry will be added to Today’s Plan, page 115.

## Destination input

100

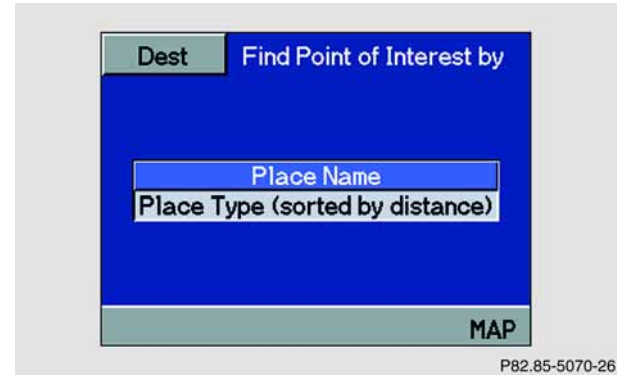
## Searching for a destination by Point of Interest and Place Name



Press **NAVI MENU**.

Select "Dest" with the joystick and press **ENT**.

The Destination menu appears. Select "Point of Interest" with the joystick and press **ENT**.



Select "Place Name" with the joystick and press **ENT**.





Enter Place Name:

Select the first character (1) of the desired Place Name with the joystick and press **ENT**. The character will appear in the text window (2) and all places starting with this character will appear in the Place Name list (3).

To enter additional characters, repeat this step. All unnecessary characters are shaded out.

To correct the last character select “Delete” (4) with the joystick and press **ENT**.

Select the desired Place Name with the joystick from the Place Name list and press **ENT**.

Note:

Duplicate place names are listed in order of proximity (nearest place first).

The Confirm Destination menu will appear.

Select “OK to Proceed” with the joystick and press **ENT**, the MCS will begin calculating the route.

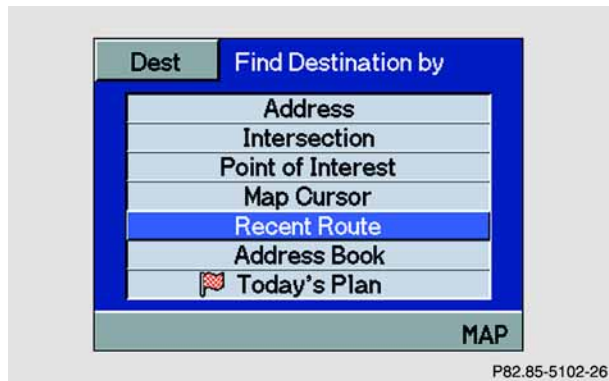
Select “Save in Address Book” with the joystick and press **ENT**, the address will be stored in the Address Book, page 110.

Select “Add to Today’s Plan” with the joystick and press **ENT**, the entry will be added to Today’s Plan, page 115.

## Destination input

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## Searching for a destination from Recent Routes

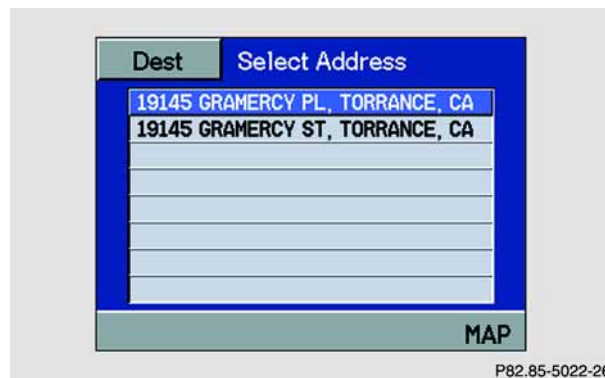


If your destination is one of the twenty most recent route calculations, you can recall that destination.

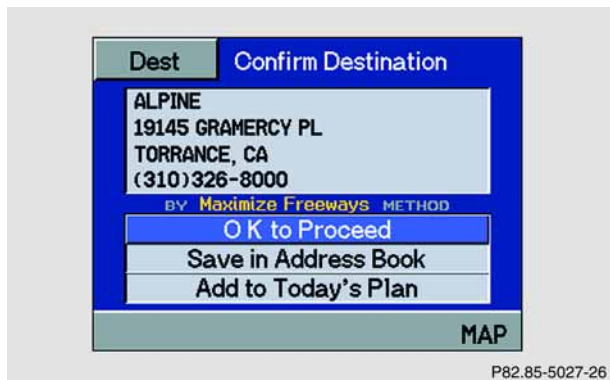
Press **NAVI MENU**.

Select "Dest" with the joystick and press **ENT**.

The destination menu appears. Select "Recent Route" with the joystick and press **ENT**.



A list of up to the 20 most recent destinations is displayed. Select the desired destination with the joystick and press **ENT**.



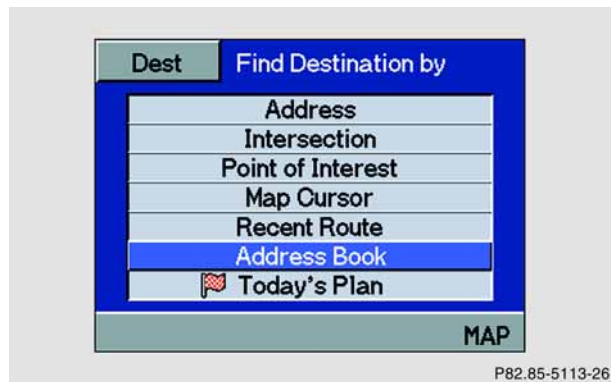
The Confirm Destination menu will appear.

Select “OK to Proceed” with the joystick and press **ENT**, the MCS will begin calculating the route.

Select “Save in Address Book” with the joystick and press **ENT**, the address will be stored in the Address Book, page 110.

Select “Add to Today’s Plan” with the joystick and press **ENT**, the entry will be added to Today’s Plan, page 115.

## Searching for a destination in the Address Book



If a location has already been placed into the address book, you can recall this location for use as a destination.

Press **NAVI MENU**.

Select “Dest” with the joystick and press **ENT**.

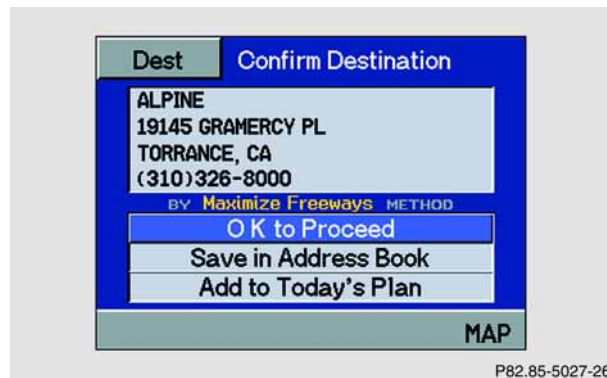
The destination menu appears. Select “Address Book” with the joystick and press **ENT**.

## Destination input

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A list with all locations saved in the Address Book is displayed. Select the desired destination with the joystick and press **ENT**.

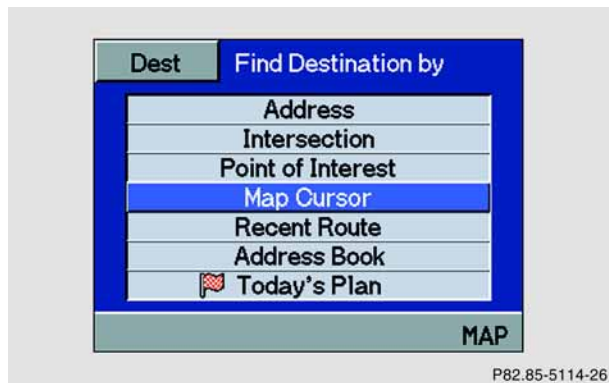


The Confirm Destination menu will appear.

Select "OK to Proceed" with the joystick and press **ENT**, the MCS will begin calculating the route.

Select "Add to Today's Plan" with the joystick and press **ENT**, the entry will be added to Today's Plan, page 115.

## Searching for a destination with the Map Cursor

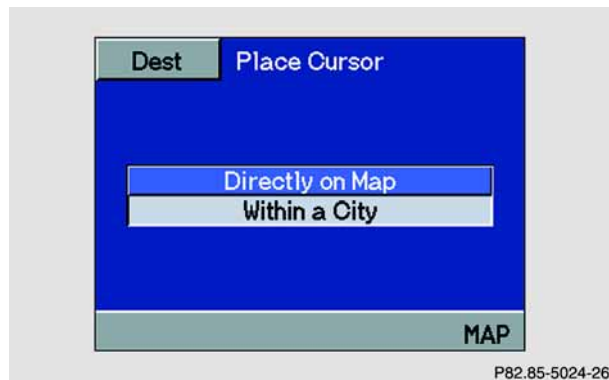


A destination can be found by pointing to the location of the destination on the map.

Press **NAVI MENU**.

Select "Dest" with the joystick and press **ENT**.

The destination menu appears. Select "Map Cursor" with the joystick and press **ENT**.



The Place Cursor menu appears. Select "Directly on Map" or "Within a City" with the joystick and press **ENT**.

If you selected "Directly on Map" the menu "Select an Area" will appear.

If you selected "Within a City" the menu "Select a City Name" will first appear. See page 92 on how to enter a city name.

## Destination input

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If you have selected the map in a large scale, the “Select an Area” menu appears with a five mile scale map of the vehicle’s position. The vehicle’s current position icon and the map cursor are shown on the map.

Move the map cursor to the desired destination with the joystick and press **ENT** to select the destination.

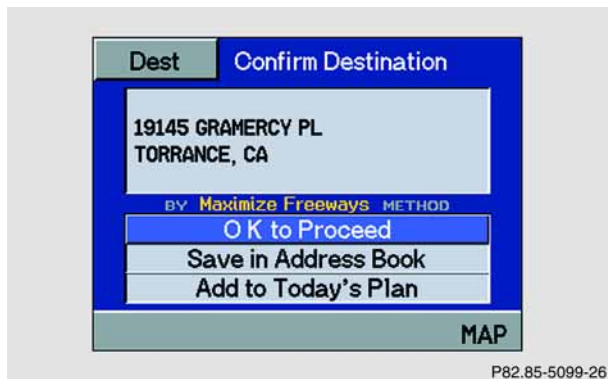
To return to the previous screen press **CLEAR**.



The “Select a Destination” menu appears with a detail map (0.5 miles square) of the select destination. Select “Directly on Map” with the joystick and press **ENT**.

For a detailed view, press **# ZOOM +**.

Move the map cursor to the desired location with the joystick and press **ENT**. The closest street segment to the selected destination will be highlighted. If this street segment is acceptable, press **ENT** once again. If not, move the joystick to choose another destination and press **ENT** again.



The Confirm Destination menu will appear.

Select “OK to Proceed” with the joystick and press **ENT**, the MCS will begin calculating the route.

Select “Save in Address Book” with the joystick and press **ENT**, the address will be stored in the Address Book, page 110.

Select “Add to Today’s Plan” with the joystick and press **ENT**, the entry will be added to Today’s Plan, page 115.

## Searching for a street segment directly from the Map Display



A destination can be found directly in map mode by pointing to the location of the destination on the map. It operates even while in guidance mode.

Refer to;  
Starting Map, page 85.  
Starting guidance mode, page 137.

## Destination input

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During normal navigation with the detailed display map in view, move the present vehicle position icon to the new desired street destination. You do not need to know the street name. Once you have selected the correct position press **ENT**.



A new destination point appears along with a call-out indicating the street and city name.

Next, a warning appears asking if you would like to change your destination. Press **ENT** if you want to change your destination. Press **CLEAR** if you do not want to change the destination.



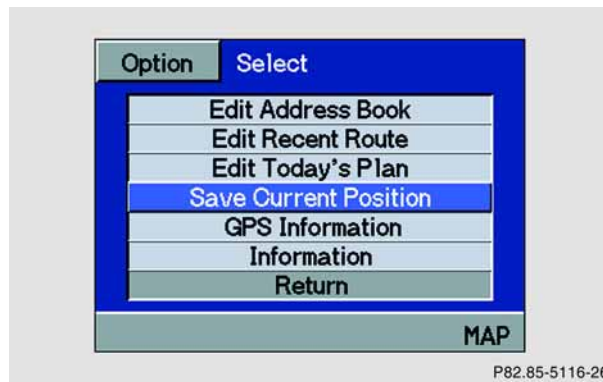
The Confirm Destination menu will appear.

Select “OK to Proceed” with the joystick and press **ENT**, the MCS will begin calculating the route.

Select “Save in Address Book” with the joystick and press **ENT**, the address will be stored in the Address Book, page 110.

Select “Add to Today’s Plan” with the joystick and press **ENT**, the entry will be added to Today’s Plan, page 115.

## Saving the current vehicle position



Press **NAVI MENU**.

Select “Option” with the joystick and press **ENT**.

The Option Select menu appears. Select “Save Current Position” with the joystick and press **ENT**.

The location will be saved in the Recent Route list. The Select Address menu will appear with the saved entry.

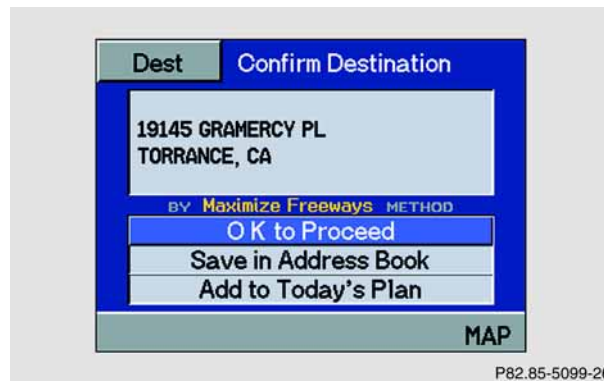
Press **ENT** one more time to return to the “Option” menu, or press the softkey **MAP** to return to the map screen.

## Destination input

110

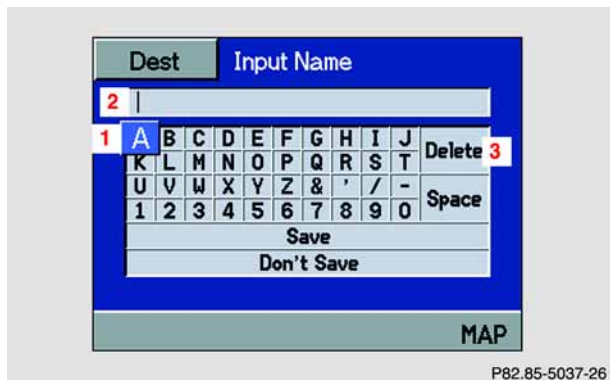
**Address Book**

You can save up to 90 addresses in the Address book. The addresses will be stored in alphabetical order.

**Saving a destination in the Address Book**

Whenever a destination is selected and entered, the system allows you to save the address.

Select “Save in Address Book” with the joystick and press **ENT.**



The Input Name menu appears.

Select the first character (1) of the name with the joystick and press **ENT**. The character will appear in the text window (2). Use the joystick to spell out the name as you would like to see in the address book.

To enter additional characters, repeat this step.

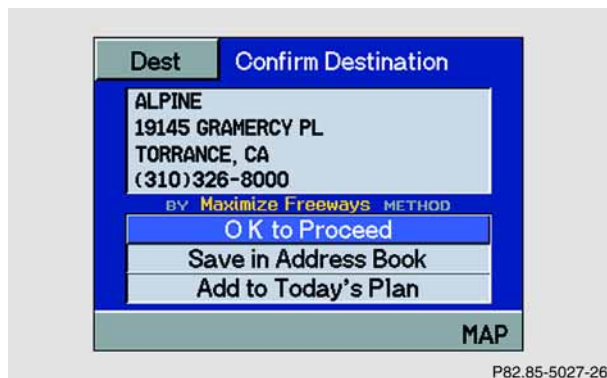
To correct the last character select “Delete” (3) with the joystick and press **ENT**.

Note:

If a Point of Interest is selected, the Point of Interest name will automatically appear in the Input Name display. Select “Delete” with the joystick to completely erase and replace the name.

When the new name is spelled out completely, select “Save” with the joystick and press **ENT**. If you don’t wish to save the address, select “Don’t Save” and press **ENT**.

## Destination input

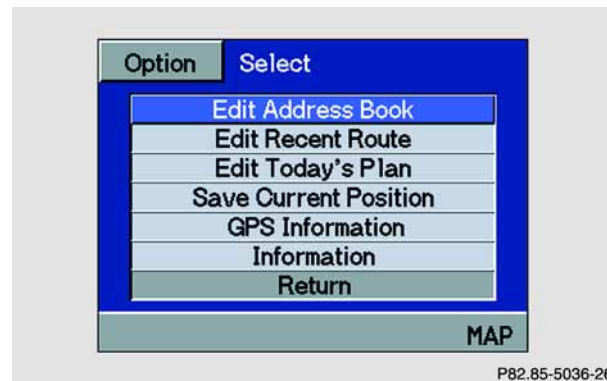


The name and address are now stored in the address book.

The Confirm Destination menu appears. Select “OK to Proceed” with the joystick and press **ENT**, if you wish to proceed to this destination

## 112

## Address Book editing



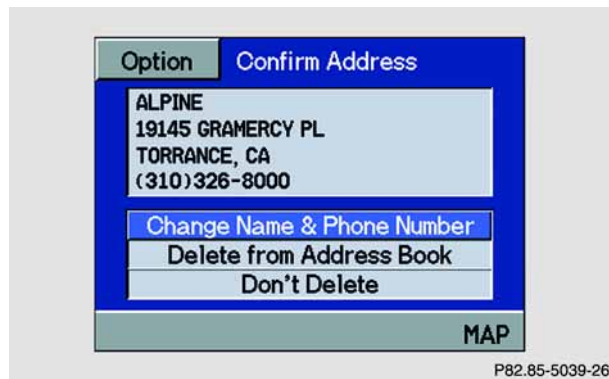
Press **NAVI MENU**.  
Select “Option” with the joystick and press **ENT**.

The Option Select menu appears. Select “Edit Address Book” with the joystick and press **ENT**.



The Select Name menu appears.

Select the entry to be changed and press **ENT**.

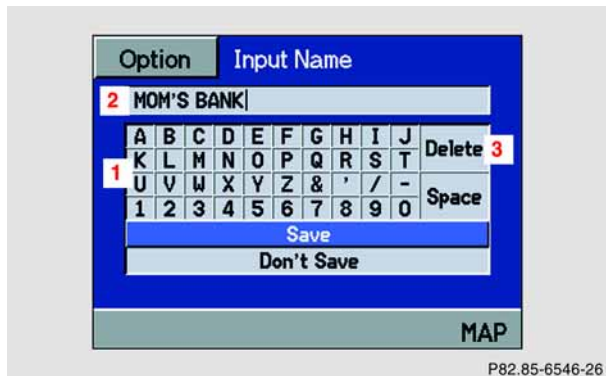


The Confirm Address menu appears. After selection press **ENT**.

- “Change Name & Phone Number”: The name and the phone number can be changed.
- “Delete from Address Book”: The selected address will be deleted.
- “Don’t Delete”: The selected address will not be deleted or changed. You will return to the Option menu.

## Destination input

114



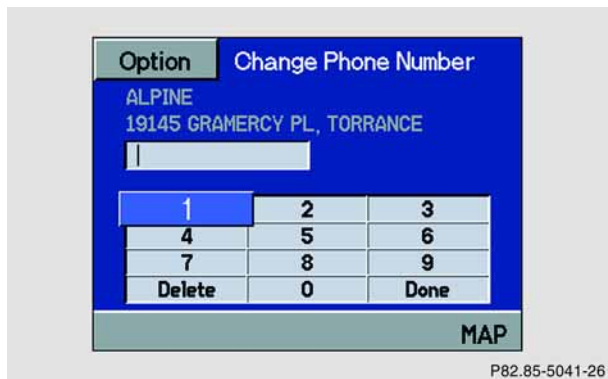
The Input Name menu appears if you have selected “Change Name & Phone Number”.

Select the first character (1) of the new name with the joystick and press **ENT**. The character will appear in the text window (2). Use the joystick to spell out the name as you would like to see in the address book.

To enter additional characters, repeat this step.

To correct the last character select “Delete” (3) with the joystick and press **ENT**.

When the new name is spelled out completely, select “Save” with the joystick and press **ENT**. If don't wish to save the address select “Don't Save” and press **ENT**.



## Today's Plan

Today's Plan will calculate the most efficient travel order for multiple destinations. Up to 8 destinations can be stored in Today's Plan. This function is useful for finding the easiest or most effortless route to travel if you require multiple destinations.

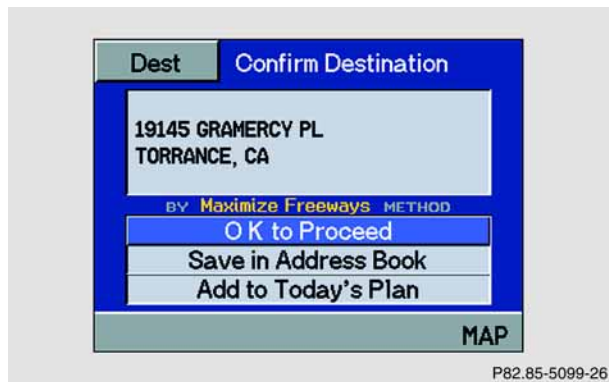
The Change Phone Number menu appears if you have selected "Change Name & Phone Number".

If you would like to add a phone number, use the joystick to add or edit the phone number (valid only for 7 or 10 digits). When finished, select "Done" with the joystick and press **ENT**.

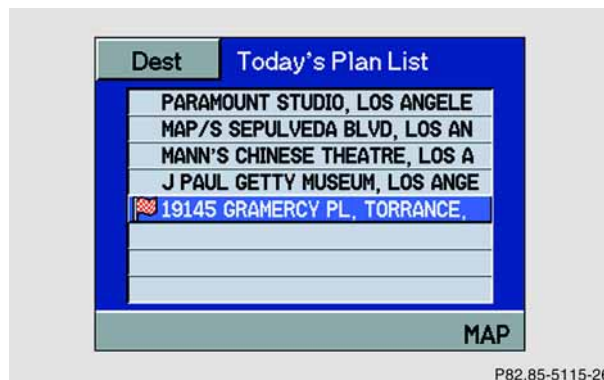
## Destination input

116

## Adding a destination to Today's Plan



Whenever a destination is selected and entered, the system allows you to add the destination to the Today's Plan. Select "Add to Today's Plan" with the joystick and press **ENT**.

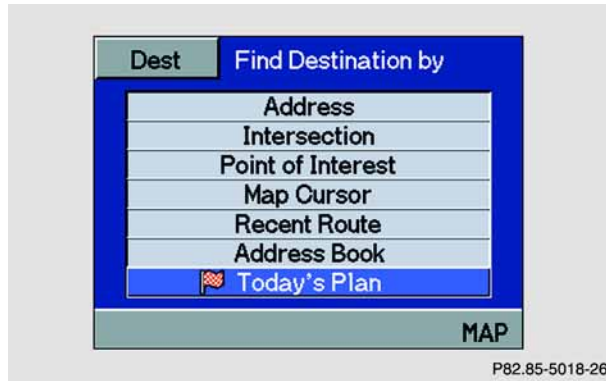


The Today's Plan list is displayed and the added destination is highlighted.

Press **ENT**, the system returns to the Find Destination menu. You can now add additional entries to Today's Plan by entering a destination.

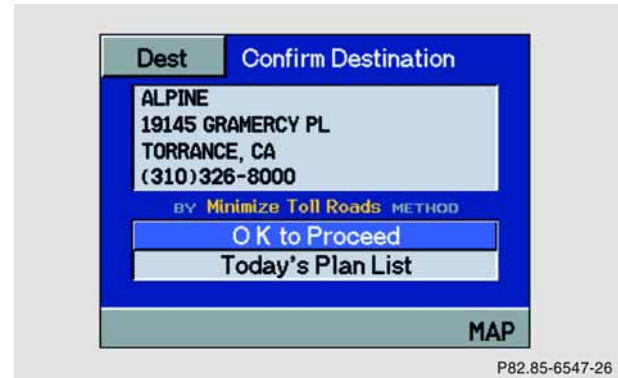


## Using Today's Plan



Press **NAVI MENU**.  
Select "Dest" with the joystick and press **ENT**.

The Find Destination menu appears. Select "Today's Plan" with the joystick and press **ENT**.



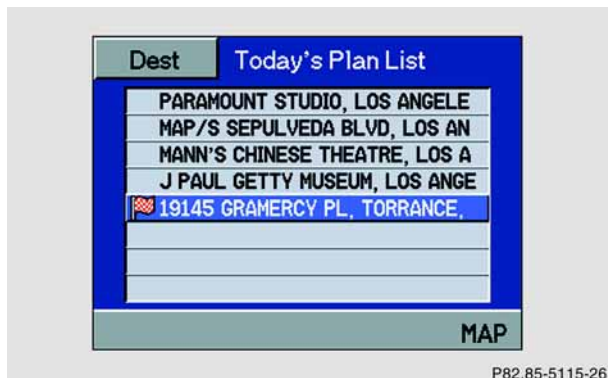
The Confirm Destination menu appears.

If you would like to visit this destination, first select "OK to Proceed" with the joystick and then press **ENT**.

To view the travel order, select "Today's Plan List" and press **ENT**. If you are satisfied with the destination order, press **ENT**.

## Destination input

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If you wish to change the order of destinations, select “Today’s Plan List” again and press **ENT**.

The Today’s Plan List menu appears once again. Select the first destination you would like to visit with the joystick and press **ENT**.

The system will recalculate the route and displays the Destination Confirmation menu.

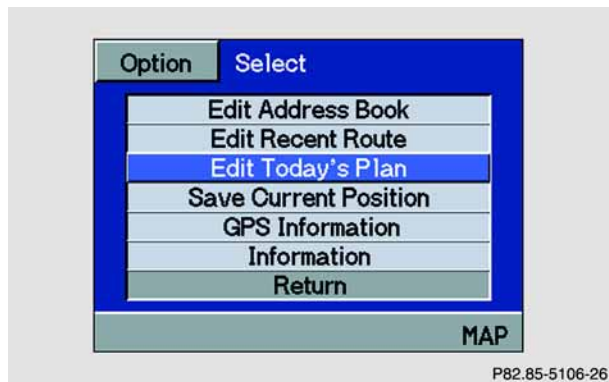


The MCS calculates the new destination order and displays the confirmation screen.

If the new route is acceptable, select “OK to Proceed” with the joystick and press **ENT**.

If you wish to change the destination order again, select “Today’s Plan list” with the joystick and press **ENT**.

## Today's Plan editing

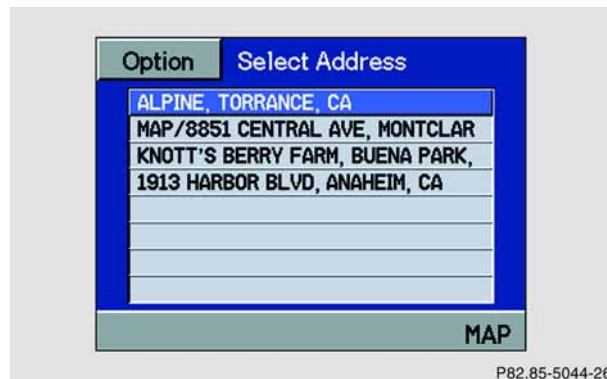


If you wish to delete a destination from Today's Plan, you may use this feature.

Press **NAVI MENU**.

Select "Option" with the joystick and press **ENT**.

The Option Select menu appears. Select "Edit Today's Plan" with the joystick and press **ENT**.

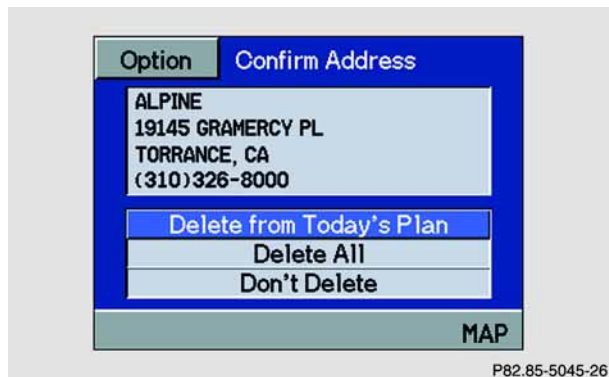


The Select Address menu appears.

Select the address to be deleted and press **ENT**.

## Destination input

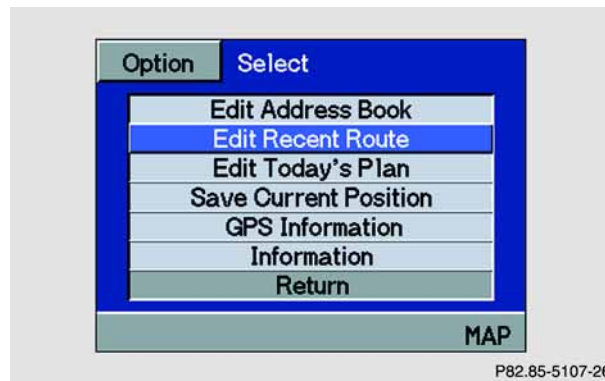
120



The Confirm Address menu appears. After selection press **ENT**.

- “Delete from Today’s Plan”: The address will be deleted. A confirmation window will appear. Press **ENT** if you are certain you want to delete the address. Press **CLEAR** if you do not want to delete the address.
- “Delete All”: All addresses will be deleted.
- “Don’t Delete”: The selected address will not be deleted or changed. You will return to the Option menu.

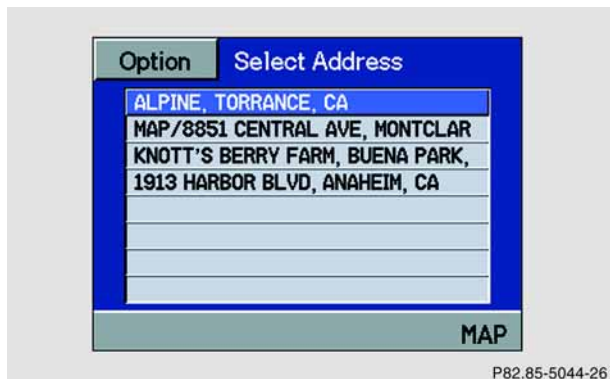
## Recent Route editing



Whenever a route is calculated or the current position is saved, the address of the destination is stored into the Recent Route list. The list holds the twenty most recently input destinations. Any of the twenty previous destinations can be deleted from this list.

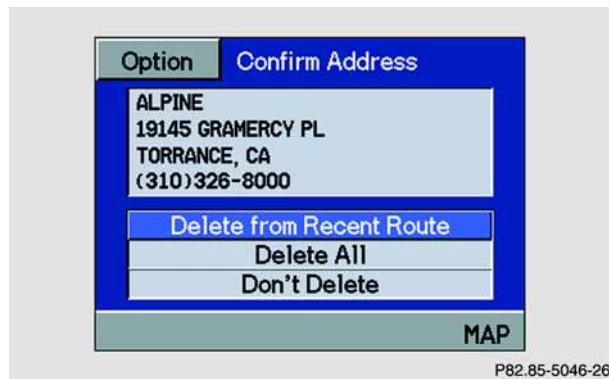
Press **NAVI MENU**.  
Select “Option” with the joystick and press **ENT**.

The Option Select menu appears. Select “Edit Recent Route” with the joystick and press **ENT**.



The Select Address menu appears.

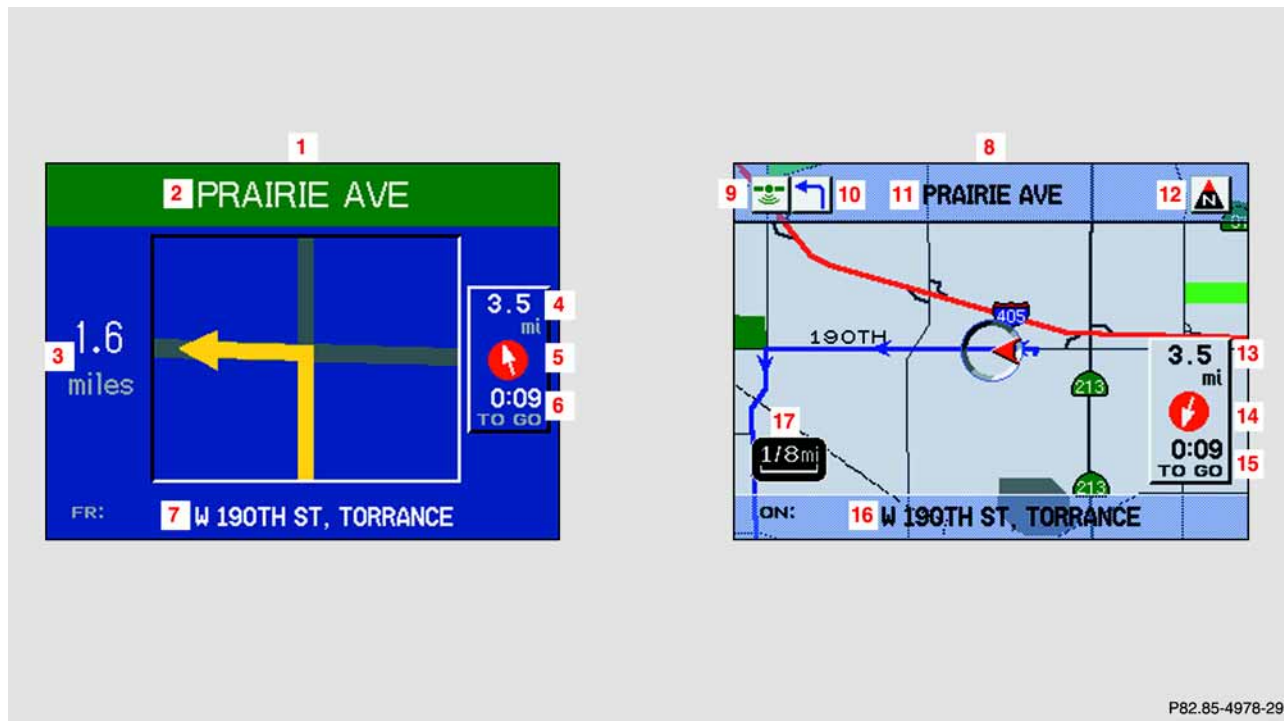
Select the address to be deleted and press **ENT**.



The Confirm Address menu appears. After selection press **ENT**.

- “Delete from Recent Route”: The address will be deleted.
- “Delete All”: All addresses will be deleted.
- “Don’t Delete”: The selected address will not be deleted or changed. You will return to the Option menu.

## The principle of route guidance

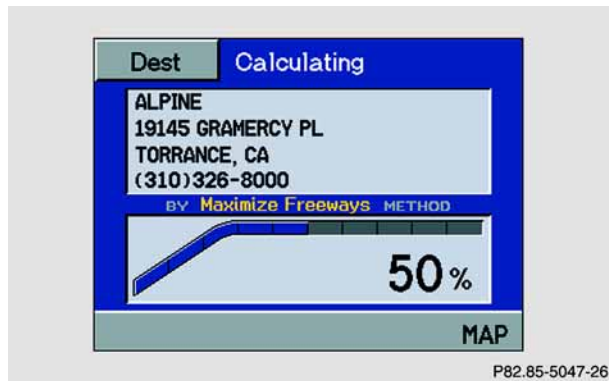


- 1 Maneuver screen
- 2 Name of the street onto which you should turn
- 3 Distance to the next maneuver
- 4 Distance to the destination
- 5 Direction to destination
- 6 Estimated remaining driving time to the destination
- 7 Current road and city name
- 8 Detailed map display
- 9 GPS signal strength icon
- 10 Next maneuver icon
- 11 Name of the street onto which you should turn
- 12 Compass Icon indicates the direction North
- 13 Distance to the destination
- 14 Direction to destination
- 15 Estimated remaining driving time to the destination
- 16 Current road and city name
- 17 Zoom scale

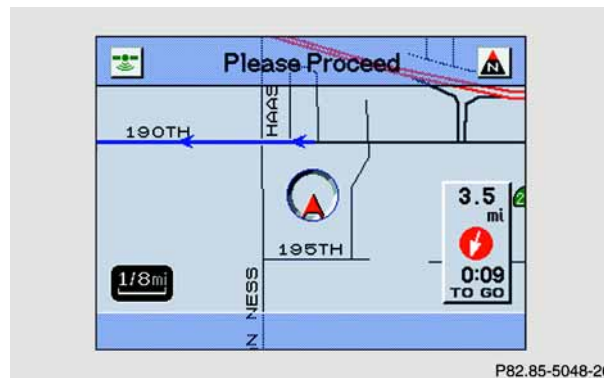
## Route guidance

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## Route guidance



After the destination is selected and the route is calculated, the navigation system will guide you to the destination using both pictorial displays and voice prompts.



When the route is calculated, the display switches to the map mode.

The system announces “Proceed to the highlighted Route” and the display shows “Please Proceed”. The route is now in progress.

Note:

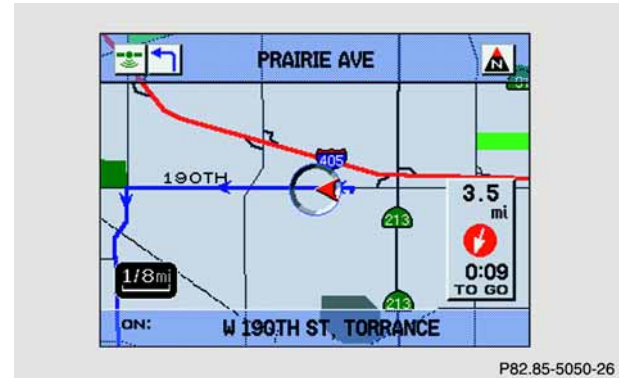
After entering the destination, you can change to an audio source. If you have selected the Hybrid or Arrow mode (see page 139), the Guidance Display comes up when a maneuver is started and simultaneously the voice instructions are announced.





While the system is guiding you on your route, the display can be manually changed between modes. The Guidance Display mode shows an arrow indicating the next maneuver.

By pressing the joystick to the right the next maneuver can be previewed. Press the joystick to the left to return to the current maneuver.



The Detailed Map display shows a moving map with the recommended route highlighted in blue.

The display is changed by pressing the softkey  "MAP". To activate the softkeys press any softkey.

## Route guidance

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All maneuvers are announced by voice instructions. The instructions start a short while before the maneuver is required. You will, for example, hear an announcement, “In one half mile, make a right turn”.


When it is time to perform the maneuver you will hear, for example, an announcement, “Right turn ahead”.


To repeat the verbal announcement press the  key.


To set the volume, see page 11.

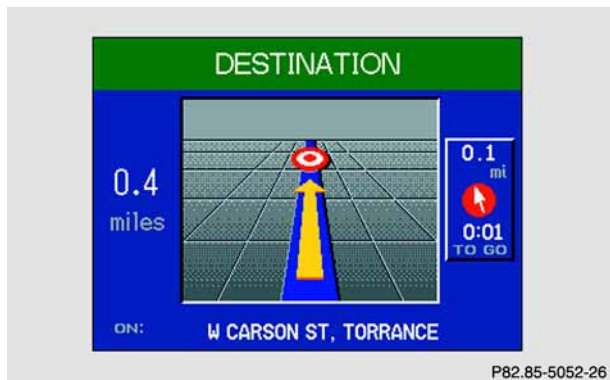
To mute the voice instructions, see page 127.



The maneuver list can be displayed by pressing the soft-key  “LIST”. To activate the softkeys press any soft-key.


To preview the arrow guidance screen for a particular maneuver, scroll down the list and select a maneuver with the joystick and press .


After 10 seconds the display automatically returns to the original guidance screen or by pressing the softkey  “MAP”.




Once you reach your final destination, the screen will switch to the Detailed Map display and show the address and the name, if programmed, of your final destination.

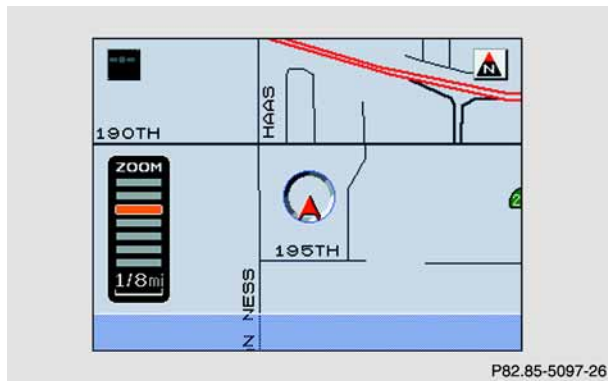
### Mute voice instructions

To mute the voice instructions press the softkey  "MUTE". To activate the softkeys press any softkey. The softkey "MUTE" will be highlighted.

To delete the mute function press the highlighted softkey  "MUTE". To activate the softkeys press any softkey.

If you press the  key the system will give the current voice instruction regardless whether mute is on or off.

### Altering the map scale



In map mode you can zoom the map in or out for more or less detail.

Press **# ZOOM +** to zoom in.

Press **\* ZOOM -** to zoom out.

### Break off route guidance

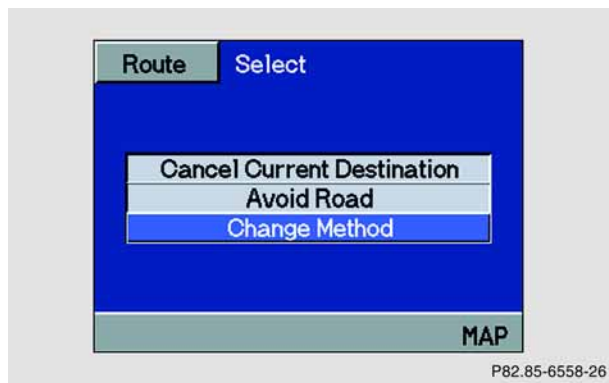
To activate the softkeys press any softkey.

Press softkey **STOP**.

A window appears confirming the stop request. To continue press **ENT**. If you don't wish to continue, press **CLEAR** or wait 10 seconds and the stop request will be cancelled.

The current destination is cancelled.

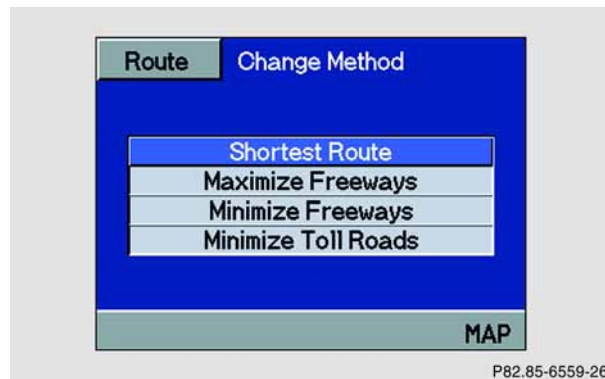
## Changing the route calculation mode during guidance



During a route guidance, you can change the route calculation mode.

Press **NAVI MENU**.  
Select "Route" with the joystick and press **ENT**.

The Route Select menu appears. Select "Change Method" with the joystick and press **ENT**.



The Change Method menu appears on the display.

## Route guidance

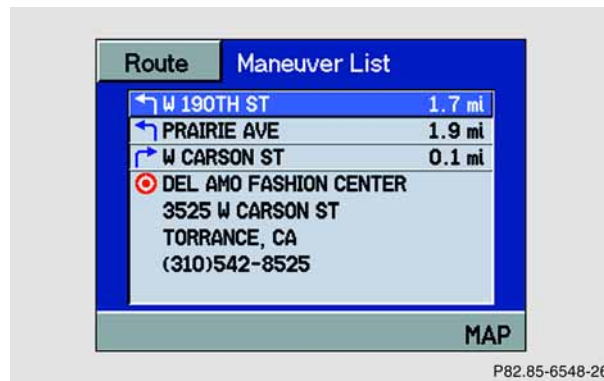
130

Select one of the following calculation modes with the joystick. After selection press **ENT**.

- “Shortest Route”: The MCS will calculate the shortest and most efficient way to arrive at your destination.
- “Maximize Freeways”: The MCS will calculate a route that makes most efficient use of the freeways.
- “Minimize Freeways”: The MCS will calculate a route that uses mostly surface streets.
- “Minimize Toll Roads”: The MCS will calculate a route that uses the least number of toll roads enroute to the destination.

The “Continue Trip to” menu appears, select “OK to Proceed” with the joystick and press **ENT**.

## Viewing the Maneuver List during guidance




During route guidance, you can display a list of maneuvers to preview upcoming turns and street names.

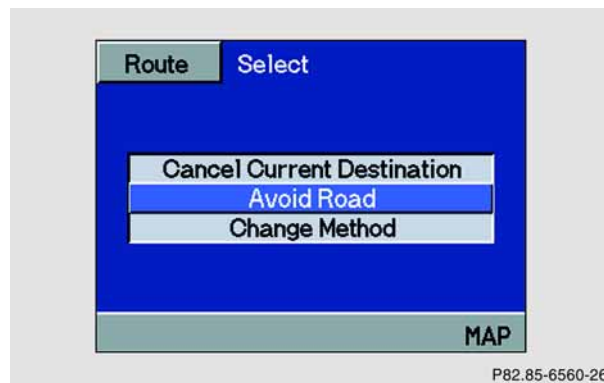
Press the softkey **LIST**. To activate the softkeys press any softkey.

The Maneuver List menu appears. To preview a specific maneuver, select a street name/maneuver with the joystick and press **ENT**.



The maneuver screen for the selected maneuver appears on the display.

To return to the Guidance mode press the softkey  "MAP" or wait 10 seconds, then the system will automatically return to the Guidance mode.

## Road obstructed



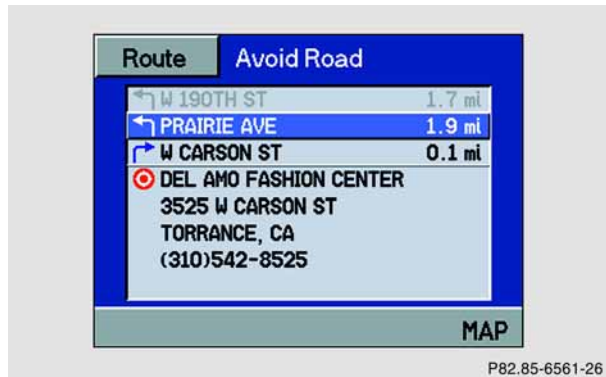
If you encounter a road block or would like to avoid construction, you may choose a different routing option, or choose to avoid certain roads. This selections only functions during route guidance.

Press  .  
Select "Route" with the joystick and press .

The Route Select menu appears. Select "Avoid Road" with the joystick and press .

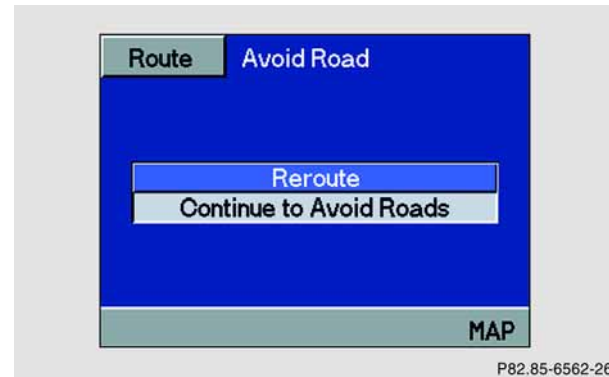
## Route guidance

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A list of maneuvers and street names appear on the display.

Select the street you want to avoid with the joystick and press **ENT**.

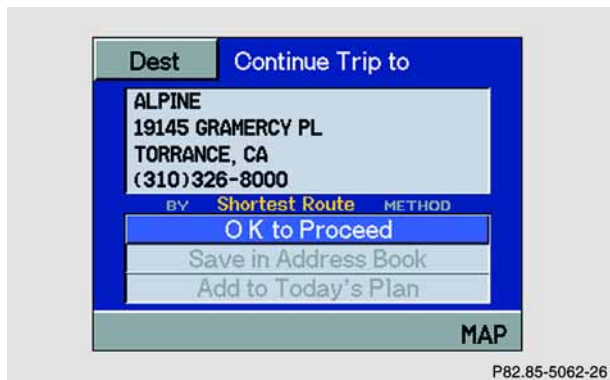


The Avoid Route menu appears. Select "Avoid Road" with the joystick and press **ENT**.

If you want to avoid more roads, select "Continue to Avoid Roads" with the joystick and press **ENT**. You will return to the list.

If the new route is acceptable, select "Reroute" with the joystick and press **ENT**.

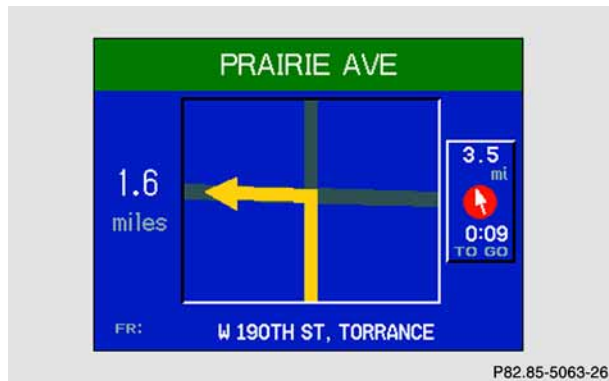






Note:

When you are traveling on an expressway or a freeway, the system calculates a new route avoiding the current road for a distance of five miles. On surface streets, the system calculates a new route avoiding the current road for a distance of one mile.

The Continue Trip to menu appears. Press **ENT** to continue on to your trip.

**Detour function**

If during route guidance you require the navigation system to detour around an obstacle, you can automatically request a new route.

Press any softkey  to activate the softkeys. Then press the softkey  "DETR".

A window appears confirming the detour request. To continue press **ENT**. If you don't want to continue, press **CLEAR** or wait 10 seconds, the detour request will be cancelled.

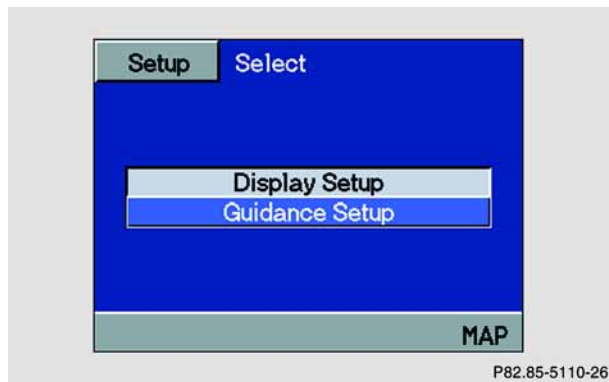


If you have pressed **ENT** button, the navigation system will recalculate the route around the upcoming detour.

Note:

When you are traveling on an expressway or a freeway, the system calculates a new route avoiding the current road for a distance of five miles. On surface streets, the system calculates a new route avoiding the current road for a distance of one mile.

## Setting voice prompt type/frequency

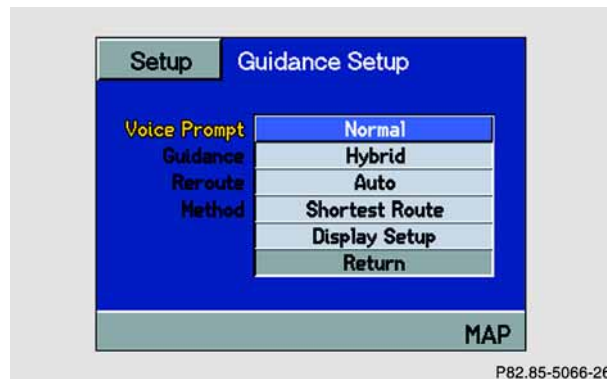


You can choose the type of audible prompts you receive as you are guided along your route.

Press **NAVI MENU**.

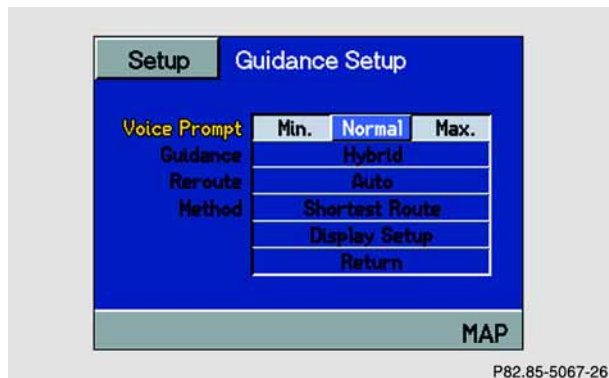
Select "Setup" with the joystick and press **ENT**.

The Setup Select menu appears. Select "Guidance Setup" with the joystick and press **ENT**.



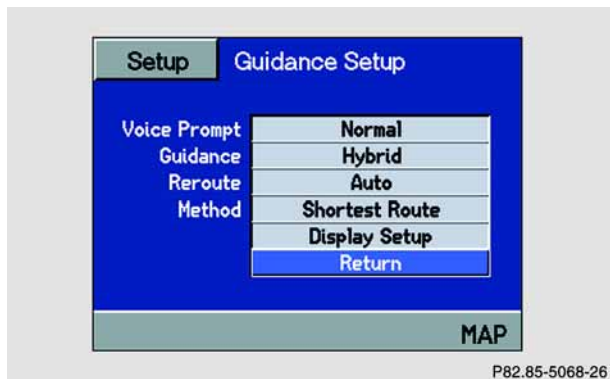
The Guidance Setup menu appears.

Select the "Voice Prompt" section with the joystick and press **ENT**.



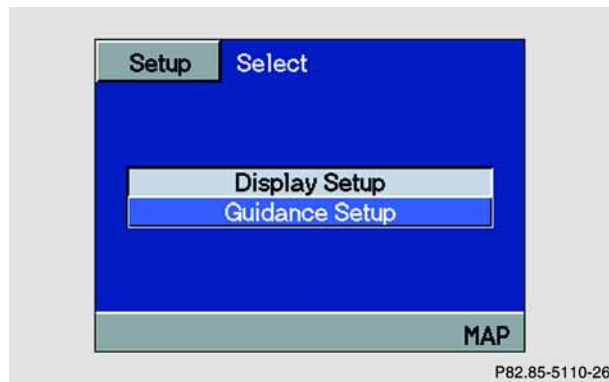
Select one of the following Voice Prompt modes with the joystick. After selection, press **ENT**.

- “Min”: The MCS will give voice instructions when approaching upcoming maneuvers.
- “Normal”: The MCS will give voice instructions when approaching an upcoming maneuver as well as voice instructions 1/2 mile before each maneuver on surfaces streets and one mile before each maneuver on freeways and expressways.
- “Max”: The MCS will give voice instructions at all maneuver locations and 1/2 mile before each maneuver on surfaces streets and one mile before each maneuver on freeways and expressways. In addition, after completing a maneuver, the MCS will announce the distance to the next maneuver.



To save the setting, select “Return” with the joystick and press **ENT**.

## Setting type of guidance display

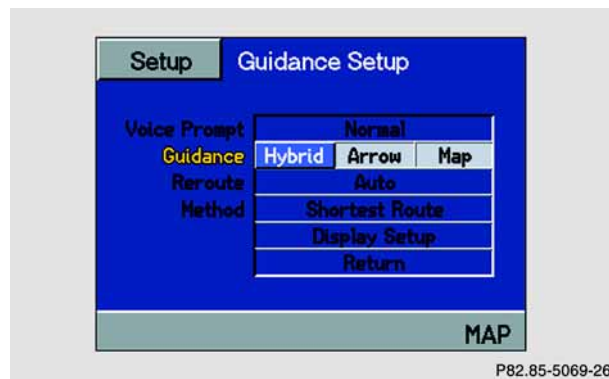
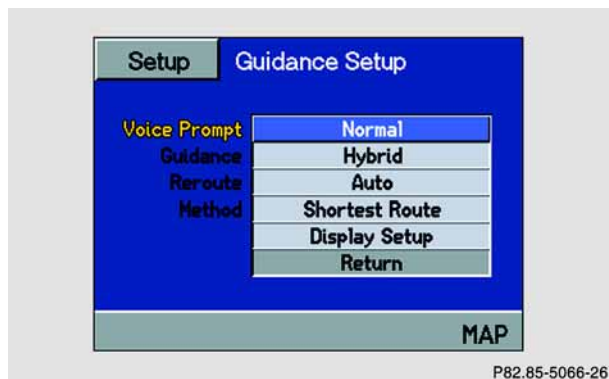


The MCS allows you to choose the type of guidance display viewed while driving.

Press **NAVI MENU**.

Select “Setup” with the joystick and press **ENT**.

The Setup Select menu appears. Select “Guidance Setup” with the joystick and press **ENT**.

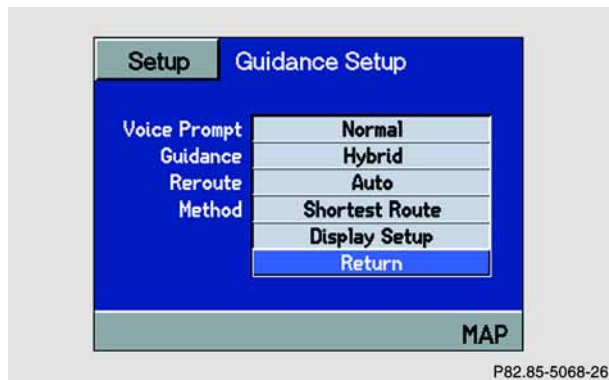


The Guidance Setup menu appears.

Select “Guidance” section with the joystick and press **ENT**.

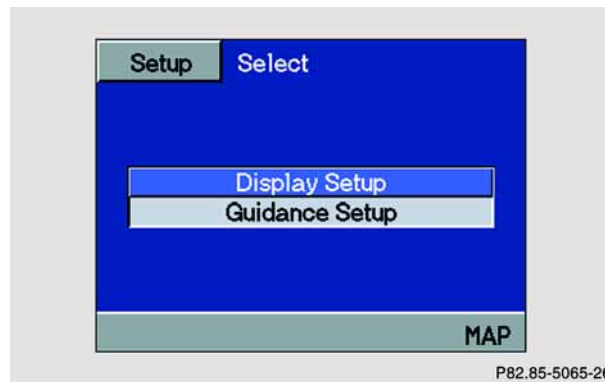
Select one of the following Guidance modes with the joystick. After selection press **ENT**.

- “Hybrid”: The MCS will display the Basic Guidance Display screen during a maneuver then return to Detailed Map Display screen or to the audio screen.
- “Arrow”: The MCS will display the Basic Guidance Display screen at all times.
- “Map”: The MCS will display the Detailed Map Display screen at all times.



To save the setting, select “Return” with the joystick and press **ENT**.

## Setting map screen orientation

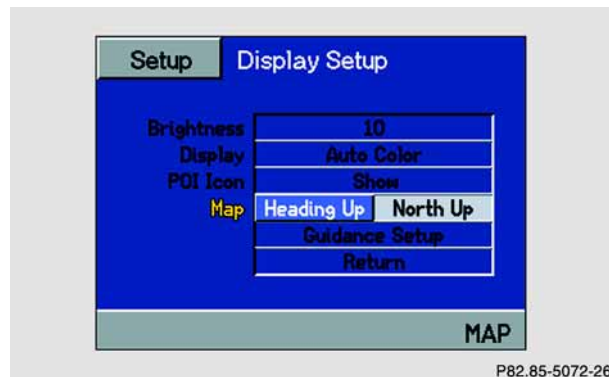
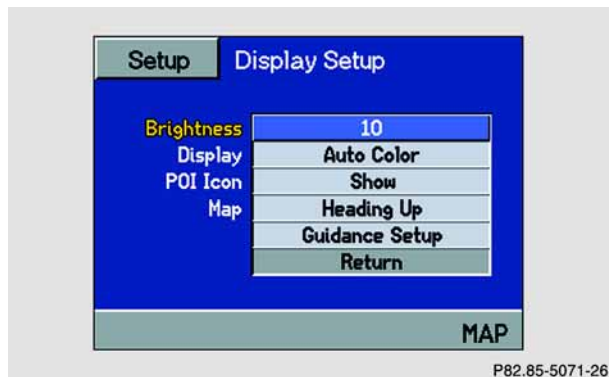


The map display can be selected so that north is always referenced towards the top of the display or the vehicle’s direction is headed towards the top of the display.

Press **NAVI MENU**.

Select “Setup” with the joystick and press **ENT**.

The Setup Select menu appears. Select “Display Setup” with the joystick and press **ENT**.



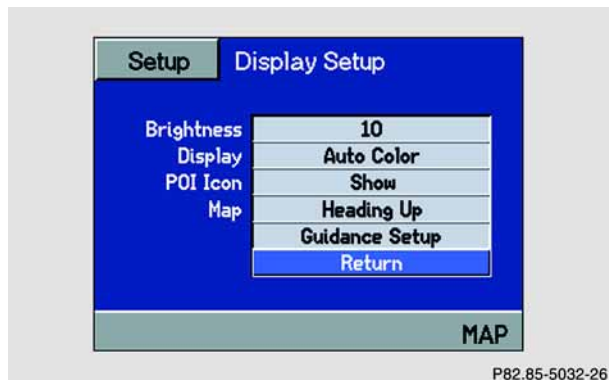
The Display Setup menu appears.

Select the “Map” section with the joystick and press **ENT**.

Select one of the following Map modes with the joystick. After selection press **ENT**.

- “Heading Up”: The Map display will rotate such that the Present Vehicle Position icon is always pointing toward the top of the screen.
- “North Up”: The Map display will always show the map with north facing toward the top of the screen. The Present Vehicle Position icon will rotate on the map.



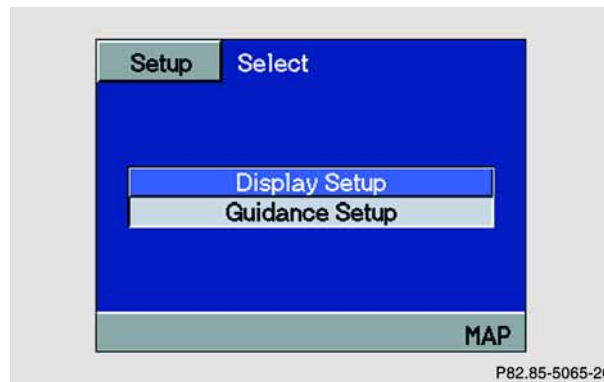


P82.85-5032-26

To save the setting, select “Return” with the joystick and press **ENT**.

You also can toggle between “Heading Up” and “North Up” modes by pressing and holding the **CLEAR** key for longer then 2 seconds.

## Setting points of interest icon options



P82.85-5065-26

The MCS allows you to choose any 3 of 6 different Point of Interest icons for display on the detail Map Display.

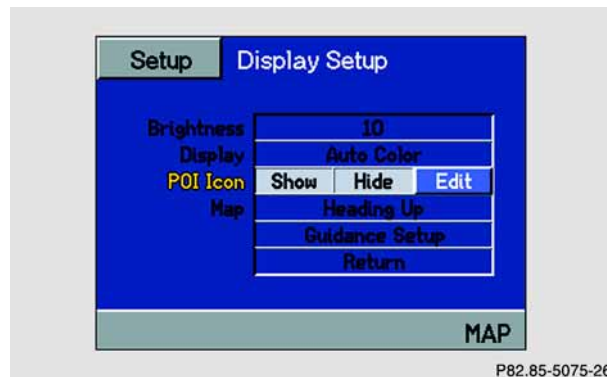
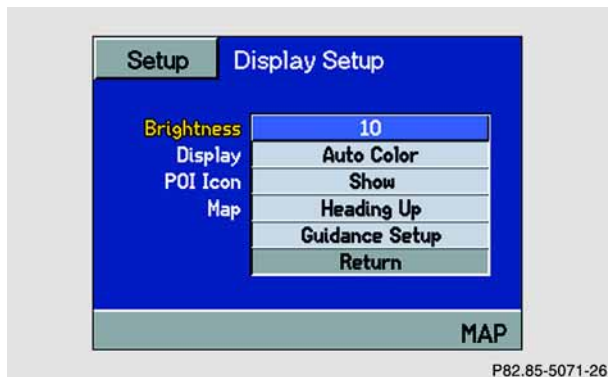
Press **NAVI MENU**.

Select “Setup” with the joystick and press **ENT**.

The Setup Select menu appears. Select “Display Setup” with the joystick and press **ENT**.

## Navigation settings

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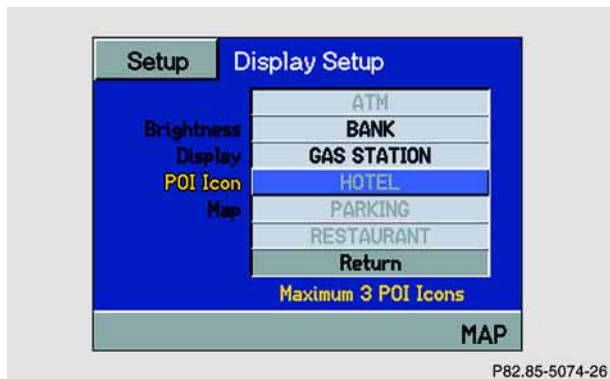
The Display Setup menu appears.

Select the “POI Icon” section with the joystick and press **ENT**.

Select one of the 3 modes: “Show”, “Hide”, “Edit” with the joystick and press **ENT**.

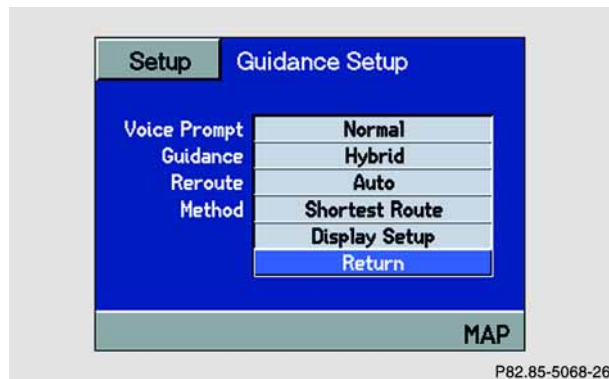
If you select “Show” in the Setup mode, selected icons will be shown.

If you select “Hide” no icons will be shown.



If you select “Edit” a list of 6 icons will appear. Select up to any 3 of the following icon types with the joystick. After selecting each icon type press **ENT**.

- ATM
- Bank
- Gas station
- Hotel
- Parking
- Restaurant and type of restaurant

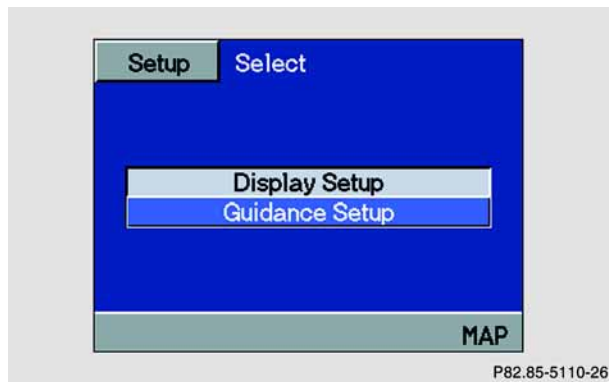


To save the setting, select “Return” with the joystick and press **ENT**.

The Display Setup menu will appear indicating your 3 POI icon selections. To return to the Detailed Map Display, select “Return” with the joystick and press **ENT**.

Move the Present Vehicle Position icon to any of the visible POI icons, press **ENT**, and the name and address will appear on the display for that icon.

### Selecting the route calculation mode

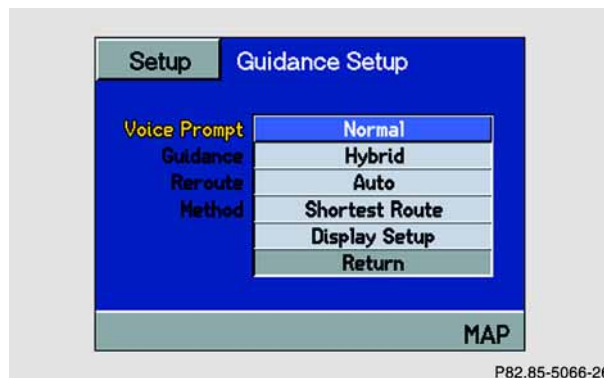


P82.85-5110-26

Press **NAVI MENU**.

Select "Setup" with the joystick and press **ENT.**

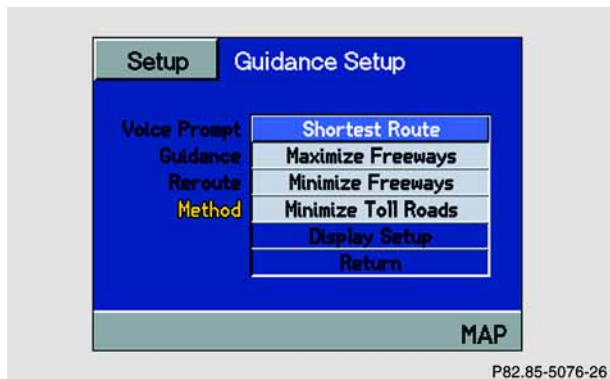
The Setup Select menu appears. Select "Guidance Setup" with the joystick and press **ENT.**



P82.85-5066-26

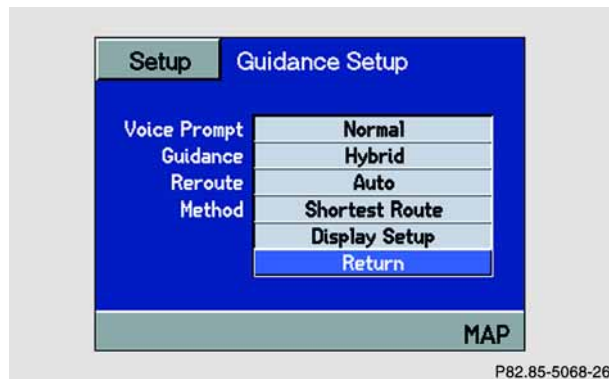
The Guidance Setup menu appears.

Select the "Method" section with the joystick and press **ENT.**



Select one of the following calculation modes with the joystick. After selection press **ENT**.

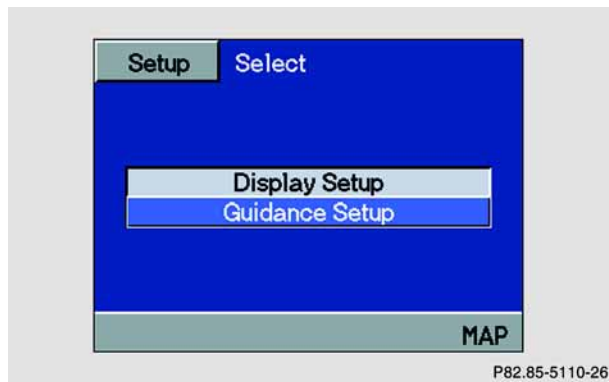
- “Shortest Route”: The MCS will calculate the shortest, most efficient way to arrive at your destination.
- “Maximize Freeways”: The MCS will calculate a route that makes most efficient use of the freeways.
- “Minimize Freeways”: The MCS will calculate a route that uses mostly surface streets.
- “Minimize Toll Roads”: The MCS will calculate a route that uses the least number of toll roads enroute to the destination.



The Guidance Setup menu appears.

To save the setting, select “Return” with the joystick and press **ENT**.

### Selecting the off-route recalculation mode

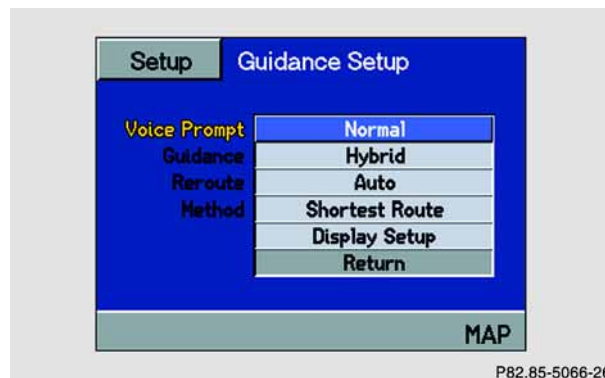


P82.85-5110-26

Press **NAVI MENU**.

Select "Setup" with the joystick and press **ENT**.

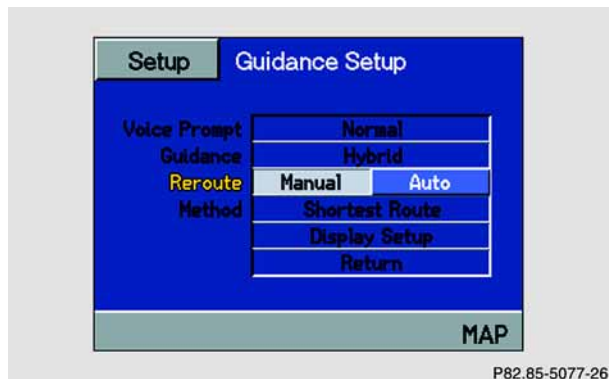
The Setup Select menu appears. Select "Guidance Setup" with the joystick and press **ENT**.



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Select the "Reroute" section with the joystick and press

**ENT**.

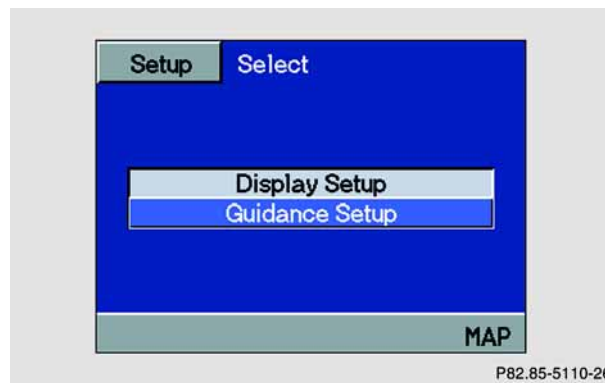


Select “Manual” or “Auto” with the joystick. After selection press **ENT**.

- If you selected “Manual” the MCS will after deviating from the suggested route prompt you to press “ENT” before continuing to recalculate the route.
- If you selected “Auto” the MCS will after deviating from the suggested route automatically recalculate the route.

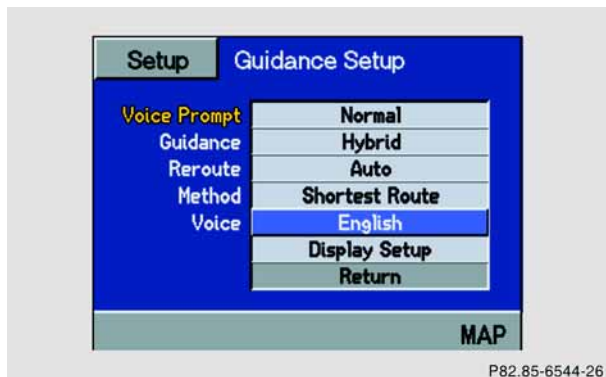
To save the setting, select “Return” with the joystick and press **ENT**.

## Selecting the language Only possible with Canada-CD

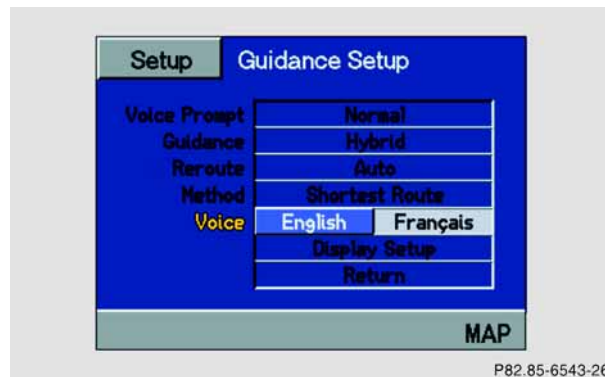


Press **NAVI MENU**.  
Select “Setup” with the joystick and press **ENT**.

The Setup Select menu appears. Select “Guidance Setup” with the joystick and press **ENT**.



Select the “Voice” section with the joystick and press



Select “English” or “Français” with the joystick. After selection press



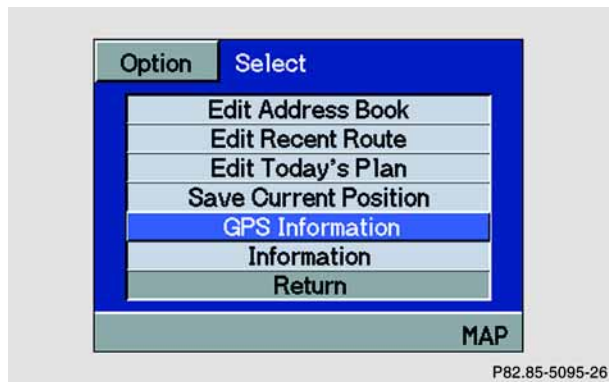
- If you selected “English” all the voice instructions in the navigation mode will be in english.
- If you selected “Français” all the voice instructions in the navigation mode will be in french.

To save the setting, select “Return” with the joystick and press





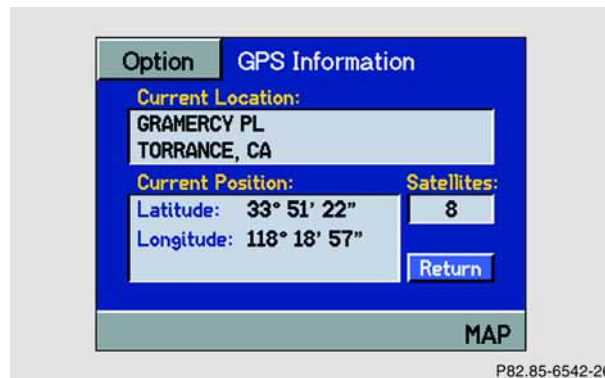
## Viewing GPS Information



MCS allows you to view dynamic location information received from GPS satellites. This feature is useful for off-road users in establishing a starting point before off-roading.

Press **NAVI MENU**.  
Select "Option" with the joystick and press **ENT**.

The Option Select menu appears. Select "GPS Information" with the joystick and press **ENT**.

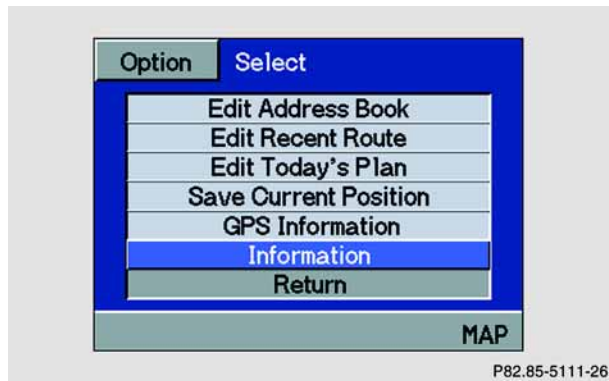


The system will display the following GPS information:

- "Current Location": Displays street, city and state information.
- "Current Position": Shows approximate latitude and longitude information.
- "Satellites": Displays the number of satellite signals being received.

To return to the Option menu select "Return" with the joystick and press **ENT**.

## Viewing Software Information

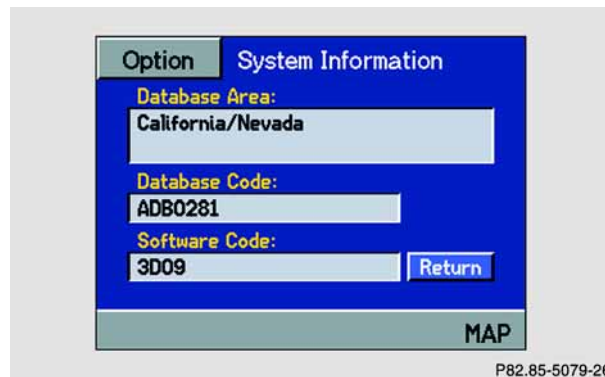


You can view information about the CD-ROM version. Use this information if you are requesting help from your Mercedes-Benz Center.

Press **NAVI MENU**.

Select "Option" with the joystick and press **ENT**.

The Option menu appears. Select "Information" with the joystick and press **ENT**.



The CD-ROM version information is displayed.

To return to the Option menu select "Return" with the joystick and press **ENT**.






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## System settings

## Operating and display elements - System settings



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## Adjusting sound settings

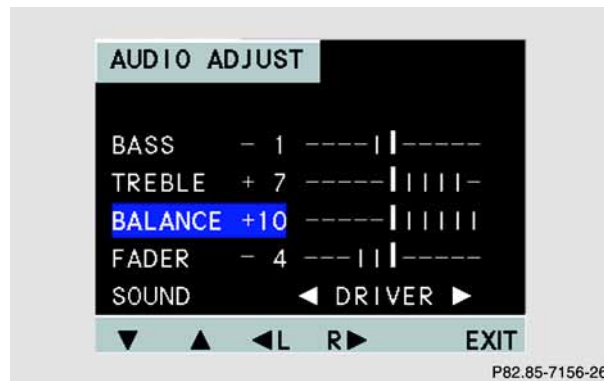
You can adjust the sound settings for the audio sources.

The audio sources include:




- Radio (FM, AM, WB)
- Tape deck
- CD
- CD-Changer

Each audio source has its own adjustments for sound system, bass and treble levels.

The adjustment for balance and fader are the same for all audio sources.





Press the softkey  "ADJ" in any audio menu (e.g.: Radio FM menu).


With the softkeys ,  and  you can select the parameter you want to adjust. The selected parameter will be highlighted.

## System settings

## 154

Use the softkeys  “-” and “+” or “L” and “R” to set the desired value.

Once you are satisfied with the sound setting press softkey  “EXIT”.

Press and hold both softkeys  “-” and “+” for longer than 2 seconds to reset the selected parameter.

Vehicles with sound system:

With the softkeys ,  and  select the parameter “SOUND”.

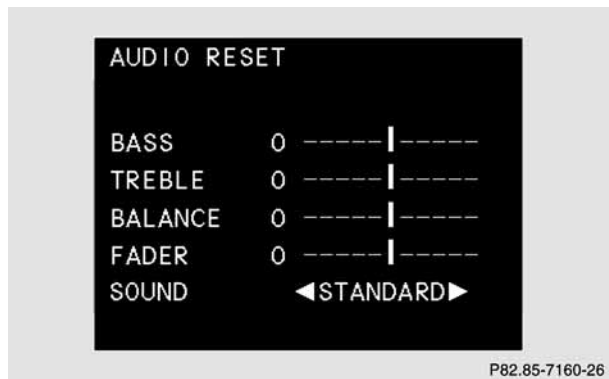
You can select with the softkeys ,  and  the desired sound impression.

Sound impressions available:


- Standard - the sound is set to linear for the centre of the vehicle
- Speech - emphasises voices
- Driver - the sound is set to the optimum values for the front seats
- Ambience - recreates the sound of rooms

Note:

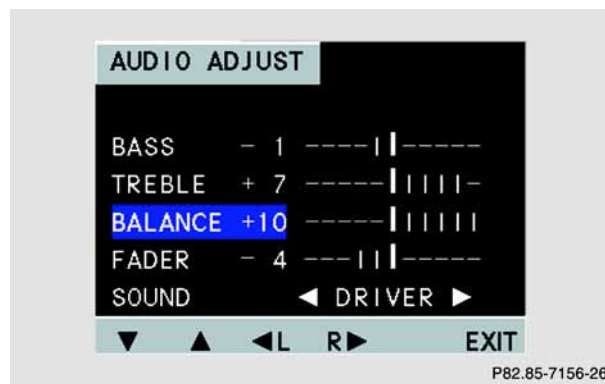
Sound optimisation is not available for the service sources.





Reset the sound settings:


Return to the audio menu and press the softkey  "ADJ" for longer than 2 seconds. All parameters will be set to 0 and the sound system will switch to "STANDARD", and the MCS will return automatically to the audio mode.



### Switching between the light mode and the dark mode




When the parking lights are turned on, the display switches to the dark mode. The display is illuminated in a low dimmed level.

If you want to switch to the light mode in the audio modes (radio, tape or CD) press the softkey  "ADJ" and then press the softkey  "LGHT" .

If you are in the navigation mode, press any softkey to activate the softkeys. Then press the softkey  "LGHT" .

To return to the dark mode in the audio modes (radio, tape or CD) press the softkey  "ADJ" and then press the softkey  "DARK" .

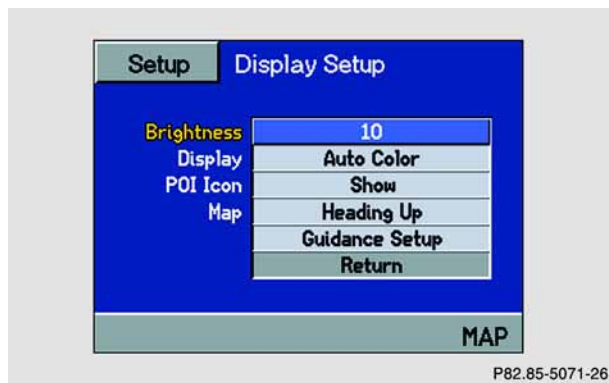
If you are in the navigation mode press any softkey to activate the softkeys. Then press the softkey  "DARK" .

### Adjusting the brightness in the dark mode

You can adjust the brightness with the instrument cluster illumination. See Operator's Manual.



## Adjusting the brightness for the navigation system

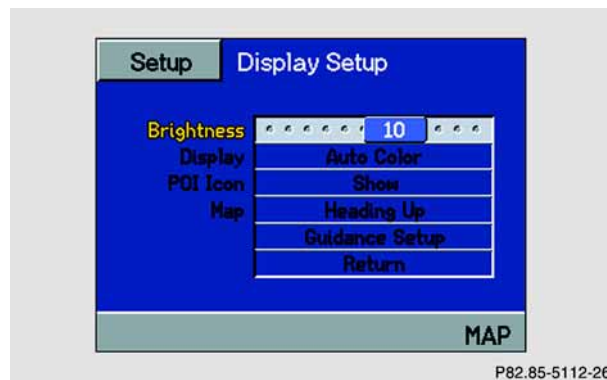


Start navigation mode, page 86.

Press **NAVI MENU**. Select the menu “SETUP” with the joystick and press **ENT**.

Select the “Brightness” menu by pushing the joystick up or down and press **ENT**.

The brightness menu will appear with the current settings.



To darken the screen:

Push the joystick to **◀◀**.

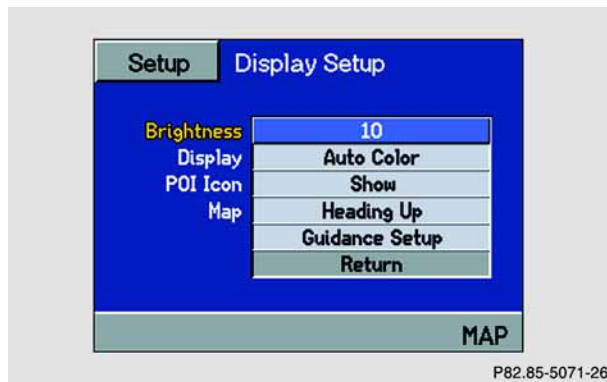
To brighten the screen:

Push the joystick to **▶▶**.

Once you are satisfied with the brightness setting press **ENT**. A number corresponding to the brightness level will be displayed for reference.

To return to the navigation mode, select “Return” with the joystick and press **ENT**.

## Setting the display dimming characteristics



You can set the monitor's dimming characteristics for the navigation mode.

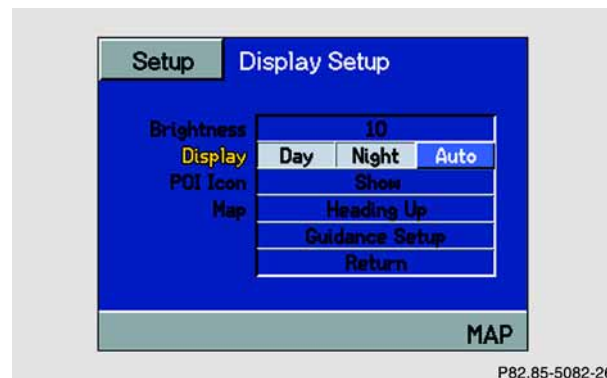
Start navigation mode, page 86.

Press **NAVI MENU**.

Select the menu "Setup" with the joystick and press **ENT**.

Select the "Display" menu by pushing the joystick up or down and press **ENT**.

The display menu will appear with the current settings.



You have 3 choices of display modes:

- "Day" mode: The display colors are always bright.
- "Night" mode: The display colors are always dark.
- "Auto" mode: The display switches automatically between Night and Day mode when the parking lights are turned on and off.

After selecting the mode press **ENT**.

To return to the navigation mode, select "Return" with the joystick and press **ENT**.

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