



## COMAND Operator's Manual



Mercedes-Benz

## **Welcome to COMAND!**

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

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

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

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

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

Mercedes-Benz USA, LLC

A DaimlerChrysler Company



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### Where to find it

This operating guide has been designed to help you use your COMAND control unit in all situations. Each chapter has its own color code in order to make it easier to find information.

#### At a glance

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

#### Audio

Here you will find all information regarding the audio function and its radio, SatRadio\*, CD-audio/DVD audio/MP3, music register and audio aux modes.

#### Video

Here you will find all information regarding the video system.

#### Telephone

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

#### Navigation

Here you will find detailed information regarding the following topics:

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

#### System settings

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

Furthermore, you will find here basic information about TeleAid\* (SOS, Roadside assistance and Information calls).

#### Voice Control

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

#### Indexes

The technical terminology glossary explains the most important technical terms. Content and keyword indexes are intended to help you find information quickly.

## Symbols

### Symbols

You will find the following symbols in these operating instructions:

- \* The asterisk identifies optional equipment. Since not all models have the same standard equipment, your COMAND system equipment may deviate from some descriptions and illustrations.



### Warning

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



*Highlights hazards that may result in damage to your COMAND.*



*Helpful hints or further information you may find useful.*



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



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



This symbol tells you where to look for further information on this subject.



This symbol is used in the glossary. It indicates that the term immediately following the symbol is also explained in the glossary.



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

## Operating safety

 **Warning**

Any alterations of electronic components or software can cause malfunctions.

Radio, satellite radio, amplifier, DVD changer, navigation module, telephone and Voice Control systems are interconnected. Therefore, if one of the components is not operational, or has not been removed/ replaced properly, the function of other components could be impaired.

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

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

 **Warning**

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

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

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

 **Warning**

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

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

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

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

### Operating safety

 **Warning**

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

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

 **Warning**

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

 **Warning**

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

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

### Declaration of conformity regarding the distribution of telecommunications equipment

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

### Intended purpose

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

- The safety instructions in this guide
- Road Traffic Regulations

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

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

### Function restrictions when driving the vehicle

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



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**Operating COMAND . . . . . 31**  
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## COMAND control system

### COMAND control system



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⑥	Back button	22

### COMAND components

COMAND comprises

- the COMAND display
- the COMAND control unit with DVD changer
- the COMAND controller with the Back and Clear button

With COMAND you can operate the following main functions:

- the navigation system
- the audio function with the radio, SatRadio\*, disc (CD audio, DVD audio or MP3 mode), PCMCIA memory card (MP3 mode), Music Register and Audio Aux operating modes
- the telephone and the address book function
- DVD video
- the system functions

## COMAND control system

## COMAND display

The currently selected function and the associated menus are shown on the COMAND display. The COMAND display is divided into several areas.



- ① Status line
- ② Main functions
- ③ Main area
- ④ Submenus

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

You can change the main function using the menu bar ②. The selection is made using the COMAND controller (▷ page 20).

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

**i** The arrangement of the menus can vary, depending on the equipment. The menus for the full equipment version are shown in this guide.

## Menu overview

Having selected a main function, you will see the submenu at the bottom edge ④ of the COMAND display.

Additional menus are available at the top of the COMAND display ② for the navigation, audio and telephone main functions (▷ page 16).

### COMAND control system

#### Main Function menu items

The table below illustrates the structure of the main functions and the associated menu items.

<b>Navi</b>	<b>Audio</b>	<b>Phone</b>	<b>Video</b>	<b>System</b>
Map Display	FM / AM Radio	Phone	(Resumes playback if DVD video is loaded in changer)	(Main function display appears)
Mode	SatRadio*	Address Book		
Block Area	Disc			
Information On Map	Memory Card (MP3 mode)			
<input checked="" type="checkbox"/> Highway Information	Music Register			
	Aux			

### Tilting and folding COMAND display

**!** Do not place any objects in front of or behind the COMAND display and/or secure any objects to the COMAND display itself. This may obstruct the movement when the display is being folded in/out.

You can tilt the COMAND display vertically or fold it in behind the cover. The buttons are located centrally under the COMAND display.



- ① Tilting display
- ② Folding in display

### Tilting display

- ▶ Press ① once or twice.  
The display tilts downwards.
- ▶ **Back into standard position:** Press ① again.

### Folding in display

- ▶ Press ②.  
The display folds in behind the cover. The main function/operating mode currently selected remains active.

### Folding out display

- ▶ Press button on the display cover.  
The display folds upwards.

### Cleaning instructions

**!** Avoid touching the COMAND display at all times. The display has a very sensitive high-gloss surface, there is a risk of it being scratched. If you do have to clean it, however, then use a soft, lint-free cloth.

### COMAND control unit

With the COMAND control unit you can

- switch the COMAND on/off
- adjust the volume
- select the main functions/operating modes directly
- enter phone numbers and accept, reject, initiate and end phone calls
- load and eject CDs/DVDs or a PCMCIA memory card

COMAND control system



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## COMAND control system

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	Switching to SatRadio* mode	45
②	Switching to CD audio, DVD audio or MP3 mode	60
	Switching to DVD video mode	77
③	Disc slot	
	Loading CDs/DVDs	54
	Ejecting CDs/DVDs	57
	Updating the map software	112
④	Load/Eject button	
⑤	Clear button for functions	
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	Deleting digit or entire entry	95
⑥	Tuning to a station via the station memory	42, 42

	Function	Page
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	Selecting DVD changer compartments	
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⑦	Tuning to a station via station search	42
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⑧	Switching COMAND on/off	35
⑨	Setting the volume	35
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	Function	Page
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⑰	Switching to phone mode	92
⑱	Switching to navigation mode	118
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## COMAND control system

### COMAND controller



#### ① COMAND controller

The menu items are selected on the COMAND display using the COMAND controller. An on-screen selector bar is moved.

In this way, you can open menus or lists, move within menus or lists and exit menus or lists.



### Operating the COMAND controller

The COMAND controller features the following options:

- brief press or press and hold 
  - rotate to the right or left 
  - slide to left, right 
- or
- slide up, down 
- or
- slide diagonally 

 In this operating guide an operation step is described as in the example below.

- ▶ Select “Station List”.

is short for

- ▶ Rotate  or slide  the COMAND controller.

This enables you to move the selector bar in the menu to the “Station List” menu item.

- ▶ Press the COMAND controller .

This confirms your selection. The station list appears.

Symbol	How to use the COMAND controller	Function
	▶ Press briefly.	<ul style="list-style-type: none"> <li>• Select menu item.</li> <li>• Exit full-screen image with Navi.</li> </ul>
	▶ Press and hold until the selected action has been carried out.	<ul style="list-style-type: none"> <li>• Accept destination for navigation.</li> </ul>
	▶ Rotate.	<ul style="list-style-type: none"> <li>• Move through vertical or horizontal menus.</li> <li>• Move through text.</li> <li>• Program settings.</li> </ul>
	▶ Slide.	<ul style="list-style-type: none"> <li>• Move through vertical menus.</li> <li>• Exit horizontal menus.</li> </ul>
	▶ Slide and hold.	<ul style="list-style-type: none"> <li>• Moves through a navigation map.</li> </ul>
	▶ Slide.	<ul style="list-style-type: none"> <li>• Move through horizontal menus.</li> <li>• Exit vertical menus.</li> </ul>
	▶ Slide and hold.	<ul style="list-style-type: none"> <li>• Fast forward or reverse for audio CD or audio DVD playback.</li> <li>• Move through a navigation map.</li> </ul>
	▶ Slide and hold.	<ul style="list-style-type: none"> <li>• Move through a navigation map.</li> </ul>

## COMAND control system

### Back button



① Back button **BACK**

- ▶ **To exit menu:** Briefly press the **BACK** button ①.

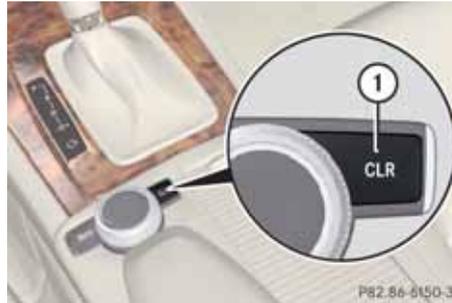
COMAND switches to the next menu level up within the operating mode currently in use.

**i** You can also exit a menu by sliding the COMAND controller ←○→ or ↑○↓  
(▷ page 31).

- ▶ **To switch to the main display from submenu displays:** Press and hold the **BACK** button ①.

COMAND switches to the main display for the operating mode currently in use.

### Clear button

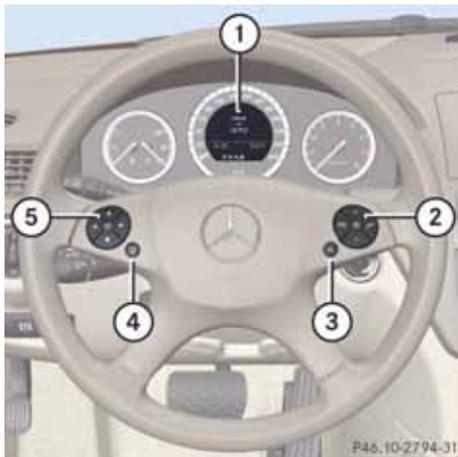


① Clear button **CLR**

- ▶ **To delete an individual character:** Briefly press the **CLR** button ①.
- ▶ **To delete an entire entry:** Press and hold the **CLR** button ①.

## Multifunction steering wheel

Use the buttons on the multifunction steering wheel to operate the multifunction display.



Luxury steering wheel illustrated

	Function	Page
①	Multifunction display	
②	volume up	35
	volume down	35
	Mute	
	End and reject calls	103
	Accept and initiate calls	101
③	Activate Voice Control	177
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	Navigate one level up in the menu structure of the multifunction display	24

## Multifunction steering wheel

	Function	Page
⑤	Select submenu or scroll through lists	
	Upwards	
	Downwards	
	Selecting a menu	
	Right	
	Left	
	OK Confirm selection	

### Multifunction steering wheel

#### Operating the Multifunction display

##### **Warning**

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

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

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

- ▶ **To select a menu:** press the  or  button.
- ▶ **To select a submenu or scroll in a list:** press the  or  button.
- ▶ **To select the next menu level up:** press the  button.

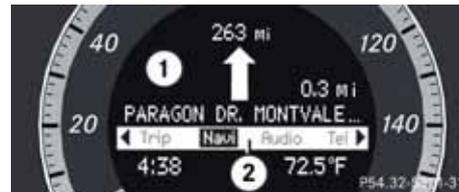
- ▶ **To select the standard display:** keep pressing the  button until the standard display with the odometer and trip odometer appears again in the display.

or

- ▶ Press and hold the  button until the standard display with the odometer and trip odometer appears.
- ▶ **To confirm the selection:** press the  button.
- ▶ **To confirm a display message:** press the  or  button.

#### Multifunction display

The description field on the multifunction display shows you values and settings as well as any display messages that may have been generated.



- ① Description field
- ② Line for menus

Text field ① shows settings, functions, submenus and any malfunctions that occur.

- ▶ To show the line for menus ②: press the  or  button.

#### Menus and submenus

The number of menus shown depends on the optional equipment\* in the vehicle.

**Multifunction display menus**

<b>Menus</b>	<b>Functions and submenus</b>
Navi (▷ page 26)	<ul style="list-style-type: none"><li>• Navigation messages</li></ul>
Audio (▷ page 27)	<ul style="list-style-type: none"><li>• Selecting radio stations</li><li>• Operating the DVD changer/Music register /Memory card</li></ul>
Tel (▷ page 29)	<ul style="list-style-type: none"><li>• Accepting a call</li><li>• Selecting a phone book entry</li><li>• Calls dialed</li></ul>

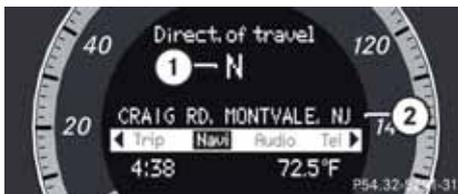
## Multifunction steering wheel

### Navi menu

The multi-function display shows navigation instructions in the Navi menu.

- ▶ Select the Navi menu.

### Route guidance inactive

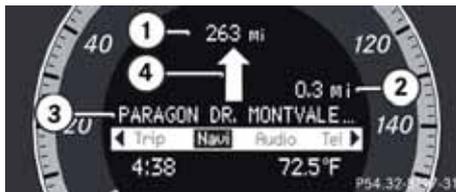


- ① Direction of travel
- ② Current road

The road you are currently driving on only appears if it is in the map software.

### Route guidance active

#### *No Maneuver announced*



- ① Distance to destination
- ② Distance to next maneuver
- ③ Current road
- ④ Symbol for "follow the road's course"

#### *Maneuver announced without change of lane*



- ① Road into which the maneuver leads
- ② Distance to maneuver and graphic distance display
- ③ Symbol for maneuver

When a maneuver is announced, you will see the symbol for the maneuver and beside it a graphic distance display (2). This decreases as you approach the announced maneuver.

#### *Maneuver announced with change of lane*

Lane recommendations are only displayed if the relevant data is available on the digital map.



- ① Road into which the maneuver leads
- ② Distance to maneuver and graphic distance display
- ③ Lane recommendation
- ④ Symbol for maneuver

On multiple-lane roads, a lane recommendation (3) may be shown for the next maneuver. There may be additional lanes during a maneuver.

Lane recommendation display	Meaning
Lane without lower limit	Uninterrupted lane
Lane with lower limit	New lane during a maneuver
Line with arrow	Lane recommended for the maneuver

### Navigation status indicators in the multi-function display

When route guidance is activated, the following messages may appear:

-  : you have reached the destination.
- *“Dest. area reached”*: you are approaching the destination. This message appears, for example, with relatively large special destinations.
- *“New route”*: the system is calculating a new route, for example because you have deviated from the previous route. Route guidance is subsequently resumed.
- *“Calculating route”*: a route is being calculated, after which route guidance will start.

- *“Off map”*: the vehicle is outside the range of the digital map. The vehicle is in an off-map position.
- *“Off mapped road”*: the vehicle is on a road which is not in the digital map, or is away from the road, for example in a car park.
- *“No route”*: no route to the selected destination could be calculated.

### Audio menu

Use the functions in the Audio menu to operate the audio equipment. If no audio equipment is switched on, the multi-function display shows the message Audio Off.

- ▶ **To adjust the volume:** press the  or  button.

## Multifunction steering wheel

### Selecting a radio station/channel

- ▶ Switch on COMAND and select *“FM/AM Radio”* (▷ page 40) or *“SatRadio”* (▷ page 47).
- ▶ Select the Audio menu.



- ① Wave band
  - ② Channel name or number
- ▶ **To select the next or previous preset channel:** briefly press  or .
- or
- ▶ **To select the next or previous channel:** press and hold  or .

 You can only change the wave band and save new stations/channels using COMAND.

### Multifunction steering wheel

#### Operating the DVD changer/Music register/Memory card

- ▶ Switch on COMAND and select “Disc”, “Memory card” (▷ page 60) or “Music register” (▷ page 67).
- ▶ Select the “Audio” menu.



Example: view of the CD player

- ① Current disc
- ② Current track

- ▶ **To select the next or previous track:** briefly press  or .

or

- ▶ **To search for the next or previous track:** press and hold  or .

**i** If you are playing a CD or DVD with track information, the multi-function display shows the name and number of the track. The track is displayed on MP3s.

#### Operating the DVD video

- ▶ Switch on COMAND and select DVD video (▷ page 77).
- ▶ Select the Audio menu.



- ① Current disc
- ② Current scene

- ▶ **To select the next or previous scene:** briefly press  or .

## Tel menu

 **Warning**

Some jurisdictions prohibit the driver from using a cellular telephone while driving. Whether or not prohibited by law, for safety reasons, the driver should not use the cellular telephone while the vehicle is in motion. Stop the vehicle in a safe location before placing or answering a call.

If you nonetheless choose to use the mobile phone while driving, please use the hands-free feature and be sure to pay attention to the traffic situation at all times. Use the mobile phone only when road, weather and traffic conditions permit. Otherwise, you may not be able to observe traffic conditions and could endanger yourself and others.

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

 **Warning**

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 system, possibly resulting in an accident and/or personal injury.

You can use the functions in the “Tel” menu to operate your mobile phone.

- ▶ Switch on COMAND;
- ▶ Select the “Tel” menu.

**Mobile phone status**

- If the mobile phone is switched on and authorized, the message “*Phone Ready*” appears in the multifunction display.
- If the mobile phone is not authorized or authorized but switched off, the message “*Ready for Bluetooth Telephony...*” appears in the multifunction display.

**Multifunction steering wheel**

- If the mobile phone is authorized but locked it is not possible to dial and the message “*No Service*” appears in the multifunction display.

**Accepting a call**

If someone calls you while you are in the Tel menu, the following message appears in the multi-function display:



- ▶ Press  to answer a call.

You can also take a call if you have not selected the “Tel” menu.

**Rejecting or ending a call**

- ▶ Press 

You can also not take or end a call if you have not selected the “Tel” menu.

### Multifunction steering wheel

#### Dialling a number from the phone book

If your mobile phone is able to receive calls, you can search for and dial a number from the phone book in COMAND at any time.

**i** You can enter new numbers in the phone book using COMAND (▷ page 105)..

- ▶ Select the “Tel” menu.

The multi-function display shows “Phone ready”.

- ▶ Press ,  or  to call up the phone book.
- ▶ Press  or  to select the name you are searching for.

The stored names are displayed in alphabetical order.

- ▶ If only one telephone number is stored for a name: press  or  to start dialling.

The message “Connecting call” and the selected number appear in the multi-function display. The name also appears, provided it is stored in the phone book. The selected number is stored in the “Calls Dialed” list in COMAND (▷ page 97).

If a call is connected, the phone book entry appears in the multi-function display.

or

- ▶ **If there is more than one number for a particular name:** press  or  to display the numbers.
- ▶ Press  or  to select the number you want to dial.
- ▶ Press  or  to start dialling.

The message Connecting call and the selected number appear in the multi-function display. The name also appears, provided it is stored in the phone book. The selected number is stored in the “Calls Dialed” list in COMAND.

If a call is connected, the phone book entry appears in the multi-function display.

**i** To exit the phone book without making a call, press the  button. “Phone ready” appears in the multifunction display.

**i** If you press and hold the  or  button for more than one second, the on-board computer scrolls through the names rapidly. After four seconds, the rapid scroll speeds up. The rapid scroll stops when you release the button or reach the end of the list.

#### Redialing

The on-board computer saves the most recently dialled names and numbers from the mobile phone. This means that you do not have to search through the entire phone book.

- ▶ Select the “Tel” menu.

The multi-function display shows “Phone ready”.

- ▶ Press  to go to the most recently dialled number or name in the “Calls Dialed” menu.
- ▶ Press  or  to select the number or name you are looking for.
- ▶ Press  or  to start dialling.

## Operating COMAND

## Operating COMAND

## Opening menu for a main function

## Example: Audio menu



- ① Menu bar with main functions
- ② Audio menu
- ③ The symbol ● indicates current operating mode

- ▶ **To switch to Main function line ①:** Slide ↑⊙.
- ▶ **To select Audio main function:** Rotate ⌚ or slide ←⊙→.
- ▶ **To confirm selection:** Press ⊙.

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

- ▶ **To switch back to the line ①:** Slide ↑⊙ and press ⊙.
- The Audio menu appears.

## Selecting menu item

## Example 1: Radio, station memory



- ① Selector bar

## Selecting menu item

- ▶ Rotate ⌚ or slide ↑⊙↓.
- The selector bar moves up and down within the list.

## Confirming menu item

- ▶ Press ⊙.

## Exiting the menu without selecting

- ▶ Slide ←⊙→ against the list direction.

## Example 2: Navigation, Enter Destination menu



## Enter Destination menu

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

## Selecting menu item

- ▶ Rotate ⌚ or slide ←⊙→.
- The selector bar moves horizontally.

## Switching menu bar

- ▶ Slide ↑⊙↓.

## Confirming menu item

- ▶ Press ⊙.

## Character entry

### Example: Navigation, town list



① Predictive speller with number and character line

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

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

### Entering characters

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

A possible option:

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

### Deleting an entry

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

or

- ▶ Press the button next to the COMAND controller.

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

or

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

### Cancelling an entry

- ▶ Select “Back” at the bottom left of the speller and press .

or

- ▶ Press the button. COMAND goes one step back in the selection procedure.

### Accepting first list entry

- ▶ Press and hold until the Enter Destination menu appears.

Here you will find the accepted list entry.

or

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

### Switching to the list without predictive speller

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

- ▶ Press .

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

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

or

- ▶ Select **ok** and press .

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

### Selecting a list entry



### Town list for navigation

- ①  symbol for additional options

- ▶ **To select a town:** Rotate  or slide .
- ▶ **To confirm selection:** Press .
- ▶ A town with the ① symbol exists more than once in the selected country. Confirming this type of town will result in a further selection. The  symbol then switches to .

### Operating example

#### Switching to radio mode and requesting the station list

Initial situation:

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

 *In this guide, the path to a menu item is shown as an action in italics.*

*“Audio” → “Audio” → “Radio” → “Radio” → “Station List”*

 *Depending on the initial situation, this sequence of actions may be shorter. If radio mode was active last, it is sufficient to select “Audio” → “Radio” → “Station List”.*

The individual steps for the above example are described below.

## Operating COMAND

### Switching to the current audio mode

- ▶ **To switch to the main function line:** Slide  $\uparrow \odot$ .
- ▶ **To select “Audio” main function:** Rotate  $\left\{ \odot \right\}$  or slide  $\leftarrow \odot \rightarrow$ .
- ▶ **To confirm selection:** Press  $\odot$ .

The main display for the audio mode selected last, e.g. CD audio, appears. The selector bar is located in the display/selection window.



① Selector bar

### Switching to radio mode

**i** You can also call up the required audio mode directly using the **RADIO** or **DISC** buttons.

- ▶ **To select “Audio” again:** Slide  $\uparrow \odot$ .
- ▶ **To confirm selection:** Press  $\odot$ .

The “Audio” menu appears.



- ▶ **To select “FM / AM Radio”:** Rotate  $\left\{ \odot \right\}$  or slide  $\uparrow \odot$ .

- ▶ **To confirm selection:** Press  $\odot$ .

The radio main display appears.



### Tuning to a station manually

- ▶ Slide  $\uparrow \odot \downarrow$  to highlight the lower menu bar.
- ▶ Rotate  $\left\{ \odot \right\}$  or slide  $\leftarrow \odot \rightarrow$  to select “FM” or “AM”.
- ▶ Tune to a station by rotating  $\left\{ \odot \right\}$  or sliding  $\leftarrow \odot \rightarrow$ .

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

## Basic functions of COMAND

**i** The COMAND components can be found on (▷ page 14). Operating examples can be found on (▷ page 31).

**i** For many operating functions you can also use the buttons on the multifunction steering wheel, e.g. for volume setting the ,  buttons, (▷ page 23).

## Switching COMAND on/off

▶ Press the rotary/push button .

or

▶ Press the display cover button

The cover opens up and the COMAND display folds out. A warning message appears. COMAND opens the last active menu.

**i** When COMAND is switched off, playback of the current audio or video source is also switched off.

## Mute

▶ **To switch on/off:** Press .

The sound from the active audio or video source is switched on or off.

**i** When the sound is switched off, the symbol  appears in the status line.

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

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

## Switching navigation announcements on/off

▶ Press  during the announcement.

**i** The navigation announcements are switched on again after restarting route guidance or after switching COMAND off/on using .

## Setting the volume

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

The volume of the selected audio or video source changes.

## Basic functions of COMAND

### Volume of navigation announcements

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

During a navigation announcement:

▶ Turn the rotary/push button .

### Setting volume for phone calls

The volume for hands-free operation can be set during an active phone call.

▶ Turn the rotary/push button .

## Basic functions of COMAND

### Selecting sound settings

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

Examples:

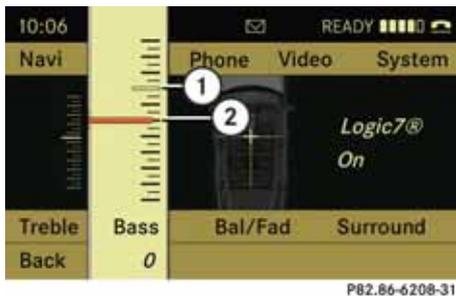
“Audio” → “FM / AM Radio” → “Sound”

“Audio” → “Disc” → “Sound”

### Setting bass and treble

- ▶ Select “Sound” → “Treble” or “Bass”.

The last selected setting is indicated by an empty bar.



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### Setting treble and bass

- ① Last selected setting
- ② Current setting

- ▶ **To change setting:** Rotate or slide until the desired treble or bass setting is reached.

- ▶ **To save setting:** Press .

The setting is stored and the menu is exited.

- ▶ **To exit menu without changes:** Press the **BACK** button or slide .

### Setting balance and fader

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

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

- ▶ Select “Sound” → “Bal/Fad” (Balance/Fader).



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### Setting balance and fader

- ① Current setting

- ▶ **To change setting:** Slide or slide until the desired balance/fader setting is achieved.

- ▶ **To save setting:** Press .

The setting is stored and the menu is exited.

- ▶ **To exit menu without changes:** Press the Back button .

### Surround sound

Your vehicle is equipped with the harman/kardon LOGIC7<sup>®</sup> Surround Sound system. You can select between “LOGIC7<sup>®</sup> On” and “LOGIC7<sup>®</sup> Off”.

harman/kardon LOGIC7<sup>®</sup> Surround Sound is available for the following operating modes:

- Radio (FM only)
- SatRadio\*
- CD audio
- DVD audio (MLP, DTS, PCM and Dolby Digital audio formats)
- MP3 (including PCMCIA memory card)
- Aux
- DVD video (PCM, DTS and Dolby Digital audio formats)

 As some DVDs contain both stereo and also multi-channel audio formats, it may be necessary to set the audio format (▷ page 66).

 The “LOGIC7<sup>®</sup> On” function of the harman/kardon LOGIC7<sup>®</sup> Surround Sound system permits the playback of discrete 5.1 and stereo recordings with an optimal surround sound platform for each passenger. Music and films on CD or audio and video DVDs with high-resolution surround formats, such as MLP, DTS or Dolby Digital, are played with optimum sound. The LOGIC7<sup>®</sup> distributes the 5.1 surround information over the 12-channel system architecture to provide the optimum sound in all seats. This produces the sound characteristics as intended by the sound engineer during the original recording.

harman/kardon LOGIC7<sup>®</sup> converts all two-channel stereo sound sources into multi-channel surround sound. The surround information stored during the original recording is read out using LOGIC7<sup>®</sup> and likewise distributed over the 12 channels. No effects are created during the process, anything that was always on the recording is just made audible again.

Moreover, harman/kardon LOGIC7<sup>®</sup> draws the audible sound source away from the individual loudspeakers, thus creating a natural 360° sound platform for each passenger.

 By selecting “LOGIC7<sup>®</sup> Off”, the playback of all playable formats is performed as on the existing medium. Due to the spatial conditions in the vehicle, optimal sound is not possible in all seats.

 Discs supporting the above-mentioned audio formats display the following logos

- Dolby Digital



- DTS



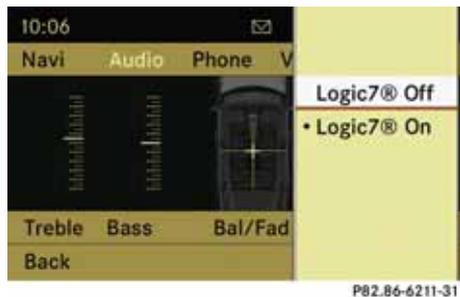
- MLP



## Setting the surround sound

For surround sound, you can select between “LOGIC7® On” and “LOGIC7® Off”.

▶ Select “Sound” → “Surround”.



▶ **To select the setting:** Rotate or slide .

▶ **To save setting:** Press .

The setting is stored and the menu is exited.

**To exit menu without changes:** Press the **BACK** button or slide .

Please note the following:

- For an optimal sound in all seats, balance and fader should be set to the centre of the passenger compartment with LOGIC7® switched on.
- The best sound results are achieved when playing high-quality audio and video DVD discs.
- For MP3 tracks, the bit rate should be at least 128 kbps.
- Surround playback does not function with mono signal sources such as the medium wave range in radio mode.
- In the case of poor radio reception quality, e.g. in tunnels, LOGIC7® should be switched off, as otherwise a dynamic switchover from stereo to mono and thus temporary sound characteristic shifts can occur.
- With certain stereo recordings, the sound characteristic may deviate from conventional stereo playback.

**Radio.....40**  
**Satellite radio\* .....45**  
**CD audio/DVD audio/MP3.....52**  
**Music Register.....67**  
**Audio Aux.....71**

## Radio

### Radio

**i** Information on the COMAND control system and how to operate it can be found on (▷ page 14) and (▷ page 31).

**i** For many operating functions you can also use the buttons on the multifunction steering wheel, e.g. the ◀, ▶, ▲ or ▼ buttons, for selecting a station or a menu or scrolling through lists (▷ page 23).

### Switching to the radio

#### From the COMAND control unit

▶ Press the **RADIO** function button.

**i** Press the button repeatedly to switch waveband in the sequence FM, AM, WB (▷ page 42) and SatRadio\* mode (▷ page 45). Pressing again will switch back to FM radio mode.

#### From the COMAND controller

##### From another main function

▶ Select “Audio” → “Audio” → “FM / AM Radio” in the display.

**i** If radio mode was active last, you only need to select “Audio”.

##### Within the audio function

▶ Select “Audio” → “FM / AM Radio”.

The radio display appears. The last selected station in the last selected waveband is heard.

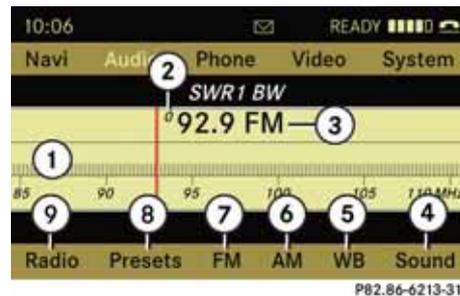


#### Display with Audio menu

- ① Main function line
- ② Audio menu
- ③ Current audio mode

**i** You can switch to the various audio modes in the audio menu:

- FM / AM radio mode
- SatRadio\* mode (▷ page 45)
- CD-/DVD audio/MP3 mode (“Disc” and “Memory Card” are described together in this guide), (▷ page 60)
- Music Register (▷ page 67)
- Aux mode (▷ page 71)



#### Radio display

- ① Display/selection window with station or frequency
- ② Memory preset number
- ③ Name or frequency of selected station
- ④ Sound settings
- ⑤ WB (Weather band)
- ⑥ AM radio
- ⑦ FM radio
- ⑧ Stored station list
- ⑨ Radio functions

## Submenu overview

Radio (FM and AM only)	Presets (FM and AM only)	Channel (WB only)	Sound
Enter Frequency	Autostore	List of receivable channels	Treble
<input checked="" type="checkbox"/> Station information (only FM)	List of stored stations		Bass
			Balance/Fader
			Surround sound

## Radio

### Switching wavebands

You can switch the radio between the FM, AM, and WB wavebands.

- ▶ Select “FM” (7), “AM” (6) or “WB” (5) in the radio display.

The last selected station in the selected waveband is heard.

**i** In the WB waveband, COMAND displays the Channel name instead of the station names and/or frequency.

or

- ▶ Press the **RADIO** function button on the control unit repeatedly until the desired band is selected.

**i** Press the button repeatedly to switch waveband in the sequence of FM, AM, WB and SatRadio\* mode (▷ page 47). Pressing again will switch back to FM radio mode.

### Tuning to a station

You can tune to a station via station search or by manual frequency input.

#### Tuning to a station via station search

- ▶ Rotate **⏪** or slide **⏩** if the display/selection window is highlighted.

or

- ▶ Press **⏪** or **⏩** on the COMAND control unit.

The search proceeds upwards or downwards and stops at the next receivable station.

#### Tuning to a station via manual frequency input

- ▶ Select “Radio” → “Enter Frequency” in the radio display.

An input menu appears.

or

- ▶ Press **\*** on the control unit.
- ▶ **To enter a frequency:** Press number buttons on the control unit.

**i** You can only select numbers that are currently permissible.

COMAND will tune to the frequency entered.

**i** If in the FM or AM wavebands you enter a frequency outside the frequency sub-range, COMAND will select the next frequency down.

#### Tuning to a station via the station memory

- ▶ Select “Presets” in the radio display.

or

- ▶ Press **⌂** if the display/selection window is highlighted.

The station memory appears. The dot • in front of a preset indicates that the currently tuned station is stored there.

- ▶ **To select a station:** Rotate **⏪** or slide **⏩**.

- ▶ **To tune to a station:** Press **⌂**.

or

- ▶ Press a number key, e.g. **4**, on the control unit.

Wavebands	Frequency
AM (MF)	530 - 1700 kHz
FM (VHF)	87.7 - 107.9 MHz
WB (Weather Band)	Weather channels

### Storing stations

There are 10 presets available for FM, AM and SatRadio\* wavebands.

### Storing stations manually

- ▶ Press  if the display/selection window is highlighted.

or

- ▶ Select “Presets” in the radio display.  
In both cases, the station memory will appear. The dot • in front of a preset indicates that the currently tuned station is stored there.



### Station memory

- ▶ **To store a station to a selected preset:** Press and hold  until a signal tone sounds.
- or
- ▶ Press and hold a number key, e.g. **4**, until a signal tone sounds.  
The station is stored.

### Storing via Autostore

 The function automatically assigns receivable stations to the presets, sorted according to reception quality. The stations which were stored in the station memory manually are overwritten.

- ▶ Press  if the display/selection window is active.
- ▶ Select “Autostore”.
- or
- ▶ Select “Presets” → “Autostore” in the radio display.  
COMAND searches for receivable stations. A corresponding message is displayed. The available stations are automatically stored under the presets.

### Cancelling Autostore procedure

- ▶ Select “Cancel”.

## Radio

### Switching to weather band

- ▶ Slide to highlight the submenu.
- ▶ **To select the weather band:**  
Rotate or slide until “WB” is highlighted.
- ▶ Press .



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- ① Display selection window
- ② Currently received channel
- ③ Sound settings
- ④ Weather band
- ⑤ AM radio
- ⑥ FM radio
- ⑦ Channel list

### Searching a channel

- ▶ Rotate or slide if the display/selection window is highlighted.

or

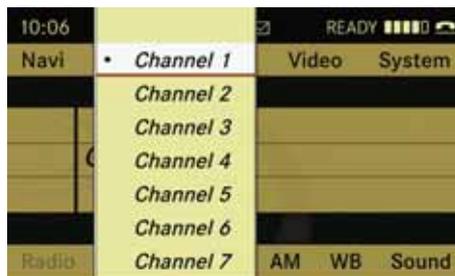
- ▶ Press or on the control unit.

The search proceeds upwards or downwards and stops at the next receivable channel.

### Selecting a channel from channel list

- ▶ Slide to highlight the submenu.
- ▶ **To call up the channel list:**  
Rotate or slide until “Channel” is highlighted.
- ▶ Press .

The channel list appears.



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- ▶ **To select a channel:** Rotate or slide .

- ▶ **To tune to the selected channel:**  
Press .

or

- ▶ Press a number key, e.g. , on the control unit at any time.

## Satellite radio\*

## Important notes

In chapter “Satellite radio\*”, you will find detailed information regarding

- selecting a station and a program category
- memory functions
- sound adjustments

If you have not done so already, please familiarize yourself with these functions by reading chapter “At a glance”.

**i** *Optional satellite radio equipment and a subscription to satellite radio service provider are required for the satellite radio operation described here.*

**i** *Note that categories and channels shown in illustrations are dependent on programming content delivered by the service provider. Programming content is subject to change. Therefore, channel and categories shown in illustrations and descriptions contained in this manual may differ from the channels and categories delivered by the service provider.*

*Satellite radio service may be unavailable or interrupted from time to time for a variety of reasons, such as environmental or topographic conditions and other things we can’t control. Service might also not be available in certain places (e.g., in tunnels, parking garages, or within or next to buildings) or near other technologies.*

**i** *SIRIUS Satellite Radio provides over 130 channels of digital-quality radio, including 100% commercial-free music, sports, news and entertainment.*

*SIRIUS Satellite Radio uses a fleet of high-power satellites to broadcast 24 hours per day, coast-to-coast, in the contiguous U.S.*

*This diverse, satellite-delivered programming is available for a monthly subscription fee. For more information, call the SIRIUS Service Center (▷ page 46) or contact [www.sirius.com](http://www.sirius.com) (USA) or [www.siriuscanada.com](http://www.siriuscanada.com) (Canada).*

## Satellite radio\*

### Subscribing

#### Subscribing to satellite radio

To switch to satellite radio operation:

#### From another main function

- ▶ Select “Audio” → “Audio” → “SatRadio”.

**i** If radio mode was active last, you only need to select “Audio”.

#### Within the audio function

- ▶ Select “Audio” → “SatRadio”.

The Satellite radio main menu will appear and displays the Weather channel. You cannot select any other station.

- ▶ Select “SatRadio” (from the submenu) → “Service”.

The Service information display will appear.



#### Service information display

- ① Phone number of the provider, (SIRIUS) or “Call Service Provider”
  - ② SIRIUS ID of your satellite receiver
- ▶ Contact satellite radio service provider at the telephone number displayed in the screen.

**i** It is also possible to activate the satellite service online. To do so please visit SIRIUS Satellite Radio’s website at [www.sirius.com](http://www.sirius.com) (USA) or [www.siriuscanada.com](http://www.siriuscanada.com) (Canada)

After the connection is made:

- ▶ Follow the instructions given by the operator.

The activation process may take up to 10 minutes. If it is successful, you will see the display with the message “Acquiring Signal...” (▷ page 47) followed by the Satellite radio main menu (▷ page 47).

**i** If a subscription is not included with system purchase, credit card information is required to activate your account.

If a satellite receiver is not installed or not properly installed:

The message “Device Unavailable” will appear.

### Satellite radio operation

**i** For many operating functions you can also use the buttons on the multifunction steering wheel, e.g. the ◀, ▶, ▲ or ▼ buttons, for selecting a channel or a menu or scrolling through lists (▷ page 23).

### Switching on

See “Subscribing to satellite radio” for important subscription information (▷ page 46).

#### From another main function

▶ Select “Audio” → “Audio” → “SatRadio”.

**i** If radio mode was active last, you only need to select “Audio”.

#### Within the audio function

▶ Select “Audio” → “SatRadio”.

**i** No Satellite receiver:

The message “No Satellite Radio” will appear in a window.



The message will appear at start up or when the signal is not available.

After the COMAND acquires the signal, the Satellite radio display will appear. The station last tuned to will begin to play.



#### Satellite radio main menu

- ① SatRadio main display
- ② Channel name
- ③ Memory preset number
- ④ Selected category/channel number
- ⑤ Channel info (short)
- ⑥ Sound settings
- ⑦ Category list
- ⑧ Channel info (detailed)
- ⑨ Preset channel list
- ⑩ SatRadio menu

**i** You can display ⑤ in full:

- Channel info (▷ page 50)

## Satellite radio\*

### Changing the category

Satellite radio stations are split up into categories. You can select between various categories such as News/Talk, Sports and Country, if available. The category list is sorted alphabetically.

#### Selecting a category

▶ **To call up the category list:**

Rotate  or slide  until “Category” is highlighted in the submenu

▶ Press .

The category list appears.

▶ **To select a category:**

Rotate  or slide .

▶ **To set the selected category:**

Press .

The selected category will appear in the display. The channel last tuned to in the new category will begin to play.

At the beginning of the category list the category “All Channels” will appear. This category is sorted numerically (by channel numbers) and allows you to scroll through all available channels.

### Selecting a channel

You can use the following functions:

- Channel search
- Channel selection via direct entry (▷ page 48)
- Selecting a channel from the SatRadio channel list (▷ page 49)
- Selection from the preset menu (▷ page 50)

#### Channel search

▶ Rotate  or slide  if the SatRadio main display is highlighted.

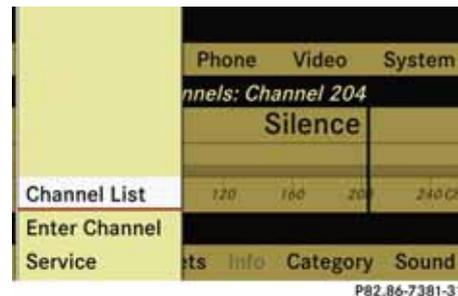
or

▶ Press  or  on the control unit.

The search proceeds upwards or downwards and stops at the next channel in the selected category.

### SatRadio menu

- ▶ On the submenu bar rotate  or slide  until “SatRadio” is highlighted.
- ▶ Press .



The SatRadio menu appears.

#### Entering a channel number directly

- ▶ Select “SatRadio” → “Enter Channel” in the SatRadio menu.

An input dialog appears.

or

## Satellite radio\*

- ▶ Press **[\*+]** on the control unit.
- ▶ **To enter a channel:** Press corresponding number buttons on the control unit.

**i** You can only select numbers that are currently permissible.

COMAND will tune to the channel entered.

### Selecting a channel from the SatRadio channel list

- ▶ Select “SatRadio” → “Channel List” in the SatRadio menu.

The channel list appears.

- ▶ **To select a channel:** Rotate **[⊖/⊕]** or slide **[↑/↓]**.
- ▶ **To tune to the selected channel:** Press **[⏵]**.

### Memory functions

**i** There are 10 presets available.

You can use the following functions:

- Saving channels manually
- Selecting a channel from the Satellite preset memory (▶ page 50)

### Storing channels manually

- ▶ Press **[⏵]** if the display/selection window is highlighted.

or

- ▶ Select “Presets” on the SatRadio sub-menu bar.

In both cases, the channel memory will appear. The dot • in front of a preset indicates that the currently tuned channel is stored there.



### Station memory

- ▶ **To select a preset:** Rotate **[⊖/⊕]** or slide **[↑/↓]**.
- ▶ **To store a channel to a selected preset:** Press and hold **[⏵]** until a signal tone sounds.

or

- ▶ Press and hold a number key, e.g. **[4]**, until a signal tone sounds.

The channel is stored.

## Satellite radio\*

### Storing via Autostore

**i** The function automatically assigns receivable channels to the presets. The channels which were stored in the channel memory manually will be overwritten in this process.

- ▶ Press  if the display/selection window is active.
- ▶ Select “Autostore”.

or

- ▶ Select “Presets” → “Autostore” from the SatRadio submenu.

COMAND searches for receivable channels. A corresponding message is displayed. The available channels are automatically stored under the presets.

### Cancelling storage procedure

- ▶ Select “Cancel”.

### Selecting a channel from the memory list

#### ▶ To call up the channel list:

In the submenu rotate  or slide  until “Presets” is highlighted.

The presets list appears.

- ▶ **To select a channel:** Rotate  or slide .

#### ▶ To tune to the selected channel:

Press .

or

- ▶ Press a number key, e.g. **4**, on the control unit.

### Displaying information

- ▶ In the submenu rotate  or slide  until “Info” is highlighted.

- ▶ Press .

Information about the current program appears.



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- ① Category
- ② Channel
- ③ Artist
- ④ Song title

You will see (if available)

- the full name
- additional information

Switching back to the SatRadio main display:

- ▶ Slide .

### Displaying service information

You can call the provider service center for questions or releases whenever you need.

- ▶ Select “SatRadio” → “Service” in the SatRadio submenu.

The service information appears.



- ① Phone number of the provider, (SIRIUS) or “Call Service Provider”
  - ② SIRIUS ID of your satellite receiver
- ▶ Slide ◀Ⓞ▶ to switch back to the SatRadio main display.

### Channel list updates

While receiving a new channel list the message “Updating Channels” will appear.

The channel last tuned will be muted until the update is completed. You cannot operate the satellite radio.

After completion of the update, the Satellite radio main menu will appear.

The channel last tuned to will begin to play.

### Sound settings

Refer to chapter “At a glance” on how to adjust sound settings.

- Volume (▷ page 35)
- Balance control and fader (▷ page 36)
- Bass and treble control (▷ page 36)
- Surround sound (▷ page 38)

## CD audio/DVD audio and MP3

### CD audio/DVD audio and MP3

#### Safety instructions

##### **Warning**

COMAND is classified as a Class 1 laser product. You must not open the casing. There is a risk of exposure to invisible laser radiation if you open the casing, or if the casing is faulty or damaged.

COMAND does not contain any parts that you are able to maintain yourself. For safety reasons, all maintenance work must be carried out by qualified technicians.

##### **Warning**

Only carry out the following when the vehicle is stationary:

- Inserting a disc
- Ejecting a disc

There is a risk of accident by being distracted from road and traffic conditions if you load a CD/DVD while the vehicle is in motion.

### Notes on MP3 mode

#### Permissible storage media

- CD-R and CD-RW
- DVD+R and DVD+RW
- DVD-R and DVD-RW
- PCMCIA memory card (▷ page 57)

#### Permissible file systems

- ISO9660/Joliet for CD storage media
- UDF for DVDs
- FAT16 or FAT32 for PCMCIA memory card with storage medium

#### Multisession CDs

On multisession CDs, the content of the first session determines how COMAND handles the CD.

If the first session, for example, contains data in audio CD format and the second session contains MP3 tracks, COMAND handles the CD as a conventional audio CD. This means that the MP3 tracks cannot be accessed.

Similarly, if the first session contains MP3 tracks and the second session contains data in audio CD format, COMAND handles the CD as an MP3 CD. Only the MP3 tracks can be accessed.

#### File structure of storage medium

When creating an MP3 storage medium, you can organize MP3 tracks into folders. A folder can also contain additional folders. A storage medium may have a maximum of 255 folders in total. A maximum of 255 tracks and 255 folders are permissible per folder. A maximum of 4000 tracks in total are permissible per storage medium.

#### Track names and folder names

When creating an MP3 storage medium, you can assign names to the MP3 tracks and to the folders.

COMAND uses these names in MP3 mode for the corresponding display. Empty folders or folders containing data other than MP3 tracks will not be displayed by COMAND.

If MP3 files are stored in the root directory itself, the root directory also counts as a folder. COMAND will then display the root directory name as a folder name.

Please note the following when assigning track names:

- Track names must contain at least one character.
- Track names must have the extension “mp3”.
- A period must appear between the track name and the extension.

**i** *COMAND does not support ID3 tags.*

### Permissible MP3 formats

COMAND supports the MPEG1 audio layer 3 format.

**i** *In everyday speech, this format has been replaced by the designation “MP3”.*

### Permissible bit and scan rates

- Fixed and variable bit rates from 32 kbps to 320 kbps
- Scan rates from 8 kHz to 48 kHz

**i** *Only use MP3 tracks with a bit rate of 128 kbps or higher and with a scan rate of 44.1 kHz or higher. Lower rates may result in impaired sound quality. This is particularly true if the surround sound function has been activated.*

### Notes on copyright

The music tracks that you can create for playback in MP3 mode are generally copyright-protected under applicable international and national laws.

In many countries, the reproduction of copyrighted material is not permitted even if only for personal use without the express prior consent of the copyright holder.

Please check the current copyright laws for your country and comply with them.

These restrictions do not apply, for example, to your own compositions and recordings or for recordings for which authorization has been obtained from the copyright holder.

### Notes about audio DVD discs

COMAND can playback commercially available, prerecorded audio DVDs that bear the following label. You will usually find the label on the DVD booklet, the inlay or the DVD itself.



## CD audio/DVD audio and MP3

**i** *Audio DVDs differ from recordable DVD-R and DVD-RW discs.*

Data on audio DVDs are stored either in uncompressed format or in lossless compressed format. The sound quality on audio DVDs is therefore better than on recordable DVDs that contain MP3 data because the MP3 format uses a lossy type of compression. You cannot delete data from or record additional data to commercially available, prerecorded audio DVDs. Please note the following information about CDs/DVDs and pay special attention to the notes on copied and/or self-written CDs/DVDs.

### Other readable audio formats

COMAND can also read music files in the WMA (Windows® Media Audio), AAC (Advanced Audio Coding) and WAV (Waveform Audio Format) formats.

**i** *If other music files are stored in these audio formats on a storage medium, in addition to MP3 files, the loading process may take longer before the first track is played.*

## CD audio/DVD audio and MP3

### Notes on CD/DVD discs

**i** Discs with copy protection do not comply with the CD audio standard and in some cases cannot be played by COMAND. When playing copied discs, problems may occur with the playback.

A wide variety of discs, disc writing software and writers are available. Due to this variety we cannot guarantee that the system will be able to play discs that you have written/copied yourself.

There may be playback problems with user-burned CDs with a storage capacity of more than 700 MB. These CDs do not meet current valid standards.

**i** When playing a DVD audio, it may be the case with numerous albums that the last track does not contain any music and COMAND switches to the next track. This is due to the production method and does not imply a fault with the unit.

**!** Do not attach stickers or labels of any kind to discs. They may come loose and damage COMAND. COMAND has been designed for discs meeting the requirements of standard EN 60908. Therefore, only discs with a maximum thickness of 1.3 mm can be used. If a thicker disc is inserted, e.g. one which stores

data on both sides, (DVD on one side, audio data on the other side), this cannot be ejected and COMAND will be damaged.

Do not use 8 cm diameter discs, not even with an adapter. Only use round, 12 cm diameter discs.

**i** COMAND can play audio CDs with the high-resolution surround format.

### Notes on the care of CD/DVD discs

- Only touch the discs at the edges.
- Handle discs with care in order to prevent malfunctions during playback.
- Avoid scratching, leaving fingerprints and dust on the discs.
- Clean the discs occasionally with a commercially available cleaning cloth. Always wipe in a straight line from the inside outwards, never in a circular motion.
- The discs must only be labelled using pens specially designed for this purpose.
- After use, put the discs back into the box.
- Protect the discs from heat and direct sunlight.

### Loading CDs and DVDs



#### Warning

Only insert a CD or DVD when the vehicle is stationary. There is a risk of accident by being distracted from road and traffic conditions if you load a CD/DVD while the vehicle is in motion.

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

**i** If the CD/DVD is printed on one side, this side must face upwards when loaded. If neither side is printed, the side to be played must face downwards. The system may not be able to play copy-protected CDs/DVDs.

## Loading the DVD changer

The DVD changer is a magazine with six built-in compartments.



- ① Disc slot
- ② Load/Eject button (all magazine compartments)

### Loading an individual magazine compartment

- ▶ Press the Load button ②.

A menu indicates which magazine compartments are currently loaded. The highlighted or currently playing compartment is indicated by a red number.



### Magazine menu

- ▶ **To select magazine compartment:**

Rotate or slide .

- ▶ **To start loading:** Press .

The DVD changer will switch to the selected magazine compartment. The message “Please Wait...” will be displayed.

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

- i** Only insert a CD after COMAND has prompted you to do so with this message. Only insert one CD per magazine compartment.

## CD audio/DVD audio and MP3



- ▶ Insert a disc into the slot ① with the printed side upwards.

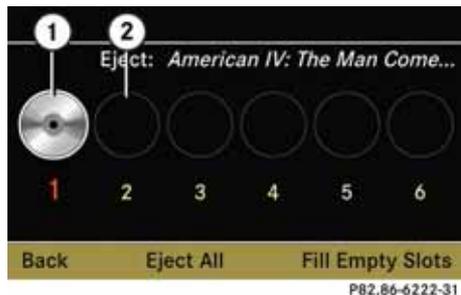
The DVD changer pulls in the disc and places it in the selected magazine compartment. The message “Loading Disc <x>” will be displayed.

- i** The loading process may take a while, depending on the type of disc. If you do not insert a disc, the display will switch back to the Magazine menu after approximately 20 seconds.

The DVD changer plays the disc if

- it has been inserted correctly
- it is a permissible disc.

## CD audio/DVD audio and MP3



### Magazine menu, one disc loaded

- ① Magazine compartment occupied, ejecting possible
- ② Empty magazine compartment
- ▶ **To exit menu:** Press the Load button again.
- or
- ▶ Select “Back”.
- or
- ▶ Press the **BACK** button next to the COMAND controller.

### Filling empty magazine compartments

- ▶ Press the Load button **⏮**.
- The Magazine menu appears. The currently playing compartment is indicated by a red number or, if the magazine is empty, compartment 1 is marked.
- ▶ Select “Fill Empty Slots”.
- The message “Please Insert Disc <x>” will be displayed.
- i** Only insert a CD after COMAND has prompted you to do so with this message. Only insert one CD per magazine compartment.
- ▶ Insert a disc into the slot with the printed side upwards.
- The message “Please Wait...” will be displayed. If the disc has been loaded, the DVD changer will switch to the next empty magazine compartment. The message “Please Insert Disc <x>” will be displayed.
- ▶ Repeat the step until all compartments have been loaded.
- The DVD changer plays the last loaded disc if it has been inserted correctly and is permissible.

If the loading process has not been completed, COMAND will play the disc inserted last.

- ▶ **To end loading procedure:** Press the Load button **⏮** again.
- or
- ▶ Select “Back”.
- or
- ▶ Press the **BACK** button next to the COMAND controller.

### Loading PCMCIA memory card

COMAND supports type I and II 16 bit full-size PCMCIA memory cards.

**i** *COMAND supports commercially available PCMCIA cards or PCMCIA card adapters with storage media that may not be designed for the temperatures which occur in the vehicle. You should therefore remove the PCMCIA card from the vehicle when not in use since extreme temperatures could damage these devices.*



① Slot for PCMCIA memory card

- ▶ Push the PCMCIA memory card into the slot ①.

The end with the contacts must be pointing towards the slot.

COMAND loads the memory card and displays the message “*Reading memory card*”.

If no MP3 tracks can be found, a message will be displayed.

### Ejecting CDs and DVDs



#### Warning

Only eject a disc when the vehicle is stationary. You may otherwise be distracted from the traffic conditions and could cause an accident.

### Ejecting from the DVD changer

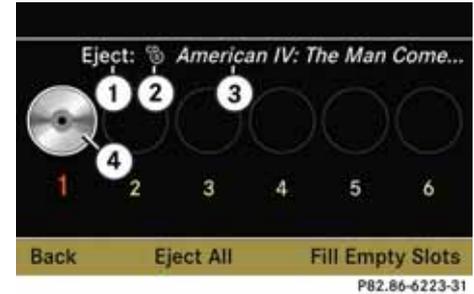
**i** *If you eject a disc while another is being played, the DVD changer interrupts playback. Playback will continue once the disc has been ejected completely.*

#### Ejecting one disc

- ▶ Press the Eject button ②.

The Magazine menu appears. The magazine compartment with the current disc is highlighted.

### CD audio/DVD audio and MP3



- ① Magazine compartment occupied, ejecting possible
- ② Disc type
- ③ Disc name (only if stored on disc)
- ④ Current disc

- ▶ **To select occupied magazine compartment:** Rotate or slide .
- ▶ Press .

The message “*Ejecting Disc <x>*” will be displayed. The following message will then be displayed.



## CD audio/DVD audio and MP3



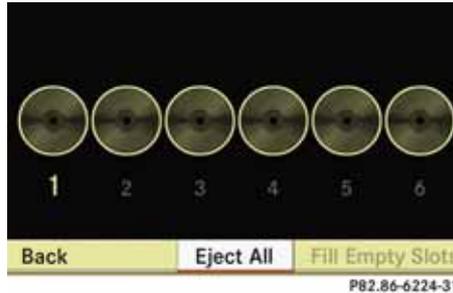
- ▶ Remove the disc from the slot ①.

If you do not remove the disc from the slot ①, the DVD changer will automatically pull it back in after a short while and begin playback.

### Ejecting all discs

- ▶ Press the Eject button ②.

The Magazine menu appears.



- ▶ Select "Eject All".

The DVD changer ejects the first disc found. The message "*Ejecting Disc <x>*" is displayed.

- ▶ Remove the disc from the slot ① when you see the message prompting you to do this.

The DVD changer switches to the next occupied magazine compartment and ejects the disc.

- ▶ Repeat the last step until the magazine is empty.

## Ejecting PCMCIA memory card



- ① Eject button
- ② Slot for PCMCIA memory card

- ▶ Press the Eject button ① twice. The PCMCIA memory card is ejected.
- ▶ Remove the PCMCIA memory card from the slot ②.

## Submenu overview

CD or DVD-A or MP3	<b>II/■/▶</b> (DVD audio mode only) or <b>REC</b> (CD audio mode only)	<b>Track list</b> (CD and DVD audio mode only) or <b>Folder</b> (MP3 mode only)	Changer	Sound
Normal track sequence	<b>II</b> Pause	Display track list (CD audio and DVD audio mode only)	Media selection via media list (▷ page 62)	Treble
Random Tracks	<b>■</b> Stop playback	Folder list (MP3 mode only)		Bass
Random Folder (MP3 only)	<b>▶</b> Restart or resume playback			Balance/Fader
Switch 'Read CD database' function on/off (CD mode only)	REC Switch on REC function			Surround sound

## CD audio/DVD audio and MP3

### Switching to CD audio, DVD audio or MP3

#### From the control unit

- ▶ Load CD/DVD (▷ page 54) or PCMCIA-memory card (▷ page 57).

COMAND loads the inserted medium and begins playback.

or

- ▶ Press the **DISC** function button.

**i** Pressing the function button switches directly to the disc mode selected last (CD audio, DVD audio, MP3-CD or DVD video). COMAND then accesses all discs in the DVD changer, the memory card or the Music Register.

- ▶ If necessary, select CD/DVD audio/MP3 media (▷ page 62).

or

- ▶ **When playing a DVD video:** Open the media list as described under “Selecting DVD media” (▷ page 78).

- ▶ Select an audio storage medium.

This switches to the required disc mode.

#### From the COMAND controller

##### From another main function

- ▶ Select “Audio” → “Audio” → “Disc” or “Memory Card” or “Music Register” in the Audio menu (▷ page 40).

**i** If the required mode was active last, you only need to select “Audio”.

##### Within the audio function

- ▶ Select “Audio” → “Disc” or “Memory Card” or “Music Register” in the Audio menu.

**i** “Disc” accesses audio discs in the DVD changer, “Memory Card” selects the PCMCIA memory card, “Music Register” selects the Music Register.

- ▶ If necessary, select CD/DVD audio/MP3 media (▷ page 62).

This switches to the required disc mode.

#### Example of CD audio mode display



- ① Disc type
- ② Track number
- ③ Track name (only if stored on disc as CD text)
- ④ Elapsed track time
- ⑤ Visual track and time display
- ⑥ Current playback option
- ⑦ Sound settings
- ⑧ Media selection
- ⑨ Disc name (only if stored on disc as CD text)
- ⑩ Calls up track list
- ⑪ Storage medium position in the media list
- ⑫ Record function (ripping), (▷ page 68)
- ⑬ Playback options

CD audio/DVD audio and MP3

Example of DVD audio display



- ① Disc type DVD-A
- ② Track number
- ③ Track name (only if stored on disc)
- ④ Elapsed track time
- ⑤ Visual time and track display
- ⑥ Current playback option
- ⑦ Sound settings
- ⑧ Media selection
- ⑨ Disc name (only if stored on disc)
- ⑩ Calls up track list
- ⑪ Stop function
- ⑫ Pause function
- ⑬ Storage medium position in the media list
- ⑭ Playback options

Example of MP3 display



- ① Disc type MP3 or folder icon
  - ② Track number
  - ③ Track name
  - ④ Elapsed track time
  - ⑤ Visual time and track display
  - ⑥ Current playback option
  - ⑦ Sound settings
  - ⑧ Media selection
  - ⑨ Current folder
  - ⑩ Calls up folder list
  - ⑪ Storage medium position in the media list
  - ⑫ Playback options
- ⑬ An example of a media list display can be found on (▷ page 62).

Stop function

① The function is only available in DVD audio mode.

- ▶ Switch to DVD audio mode.
  - ▶ **To interrupt playback:** Select ■. The ■ display changes to ▶.
  - ▶ **To resume playback:** Select ▶. Playback will then continue at the point at which it was interrupted.
  - ▶ **To stop playback:** Press ■ again when playback is stopped.
- or
- ▶ Select ■ twice in immediate succession during playback. The option selector remains at ▶.
  - ▶ **To restart playback:** Select ▶. Playback starts from the beginning of the DVD.

## CD audio/DVD audio and MP3

### Pause function

#### In CD audio, DVD audio and MP3 mode

- ▶ **To activate playback pause:** Briefly press . appears at the top left of the status bar.
- ▶ **To resume playback:** Briefly press again. disappears.

#### In DVD audio mode only

- ▶ **To activate playback pause:** Switch to DVD audio mode.
- ▶ Select **||**. The **||** display changes to ▶.
- ▶ **To resume playback:** Switch to DVD audio mode.
- ▶ Select ▶. The ▶ display changes to **||**.

### Selecting CD/DVD/MP3 media

- ▶ **In CD audio, DVD audio and MP3 mode:** Select “Changer”.
- or
- ▶ **In CD audio and DVD audio mode only:** Press if the display/selection window is highlighted.
- The media list appears. The dot ● indicates the medium currently playing.



Media list

The media list shows you the storage media currently available:

- In the DVD changer (magazine compartments 1 to 6)

The following storage media can be read:

CD audio, MP3-CD, DVD audio and DVD video

If a storage medium is not readable, an entry appears next to the magazine compartment or a message is displayed when the memory card is selected.

- PCMCIA memory card at position 7
  - Music Register at position 8
- ▶ **To select storage medium:** Rotate or slide .
  - ▶ Press .
- If you select a video DVD , then this switches the unit to video mode (▶ page 77).

## CD audio/DVD audio and MP3

## Selecting tracks

**i** For many operating functions you can also use the buttons on the multifunction steering wheel, e.g. the **◀**, **▶**, **▲** or **▼** buttons, for selecting a track or a menu or scrolling through lists (▷ page 23).

## Selection via track skip

- ▶ **To skip forwards or backwards to a track:** Rotate **⏪** or **⏩**.

or

- ▶ Press **⏮** or **⏭**.

**i** ‘Forward track skip’ skips to the next track. ‘Backward track skip’ skips to the beginning of the current track, if the track has been playing for more than 8 seconds. If the track has been playing for less than 8 seconds, it will skip to the beginning of the previous track. If the playback option “Random Tracks” is switched on, the track sequence is random.

## Selecting via track list

- ▶ **In CD audio/DVD audio mode:** Select “Track” or “Track List”.

or

- ▶ **In MP3 mode:** Press **⏻** if the display/selection window is highlighted.

The track list appears. The dot • indicates the current track.

- ▶ **To select a track:** Rotate **⏪** or slide **⏻**.
- ▶ Press **⏻**.

**i** In MP3 mode the list displays all tracks in alphabetical order.

## Fast forward/reverse

- ▶ **Display/selection window is highlighted:** Slide and hold **⏻** until the desired point is reached.

or

- ▶ Press and hold **⏮** or **⏭** on the control unit until the desired point is reached.

## Selecting folders

**i** The function is only available in MP3 mode.

- ▶ Switch to MP3 mode (▷ page 60).
- ▶ Select “Folder”.

or

- ▶ Press **⏻** if the display/selection window is highlighted.

The folder list appears.



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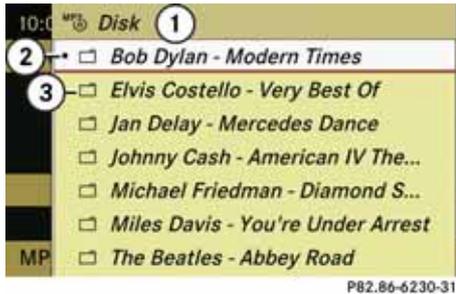
- ① Back folder symbol
- ② Current track
- ③ Track symbol
- ④ Current folder name



## CD audio/DVD audio and MP3

- ▶ **To switch to the next folder up:** Select the  symbol.

The display changes to the next folder up.



- ① Disc name (if stored on disc)
- ② Current folder
- ③ Folder symbol

- ▶ **To select a folder:** Rotate    or slide   .

- ▶ Press .

The tracks of the folder appear.

- ▶ **To select a track:** Rotate    or slide   .

- ▶ Press .

The track is played, the corresponding folder is now the active folder.

### Gracenote Media Database

 *The function is only available in CD audio mode.*

CD information, including album title, artist name and track name, is obtained from the Gracenote<sup>®</sup> Media Database. A version of the Gracenote<sup>®</sup> Media Database is stored on the COMAND's hard drive. Access to this database is indicated by the Gracenote logo being displayed in the lower right of some audio displays.



Many audio CDs contain CD text. COMAND uses the information contained in this text for displaying the name of the artist, album and track.

If the audio CD does not contain any CD text, COMAND can recognise unknown audio tracks in CD audio mode with the aid of the Gracenote Media Database. For this to happen, the corresponding information must be stored in the Gracenote Media Database and the “*Read CD Database*” function must be switched on.

If this is the case, COMAND provides the corresponding data, such as name of artist, album and track, in the corresponding displays and lists.

If COMAND accesses the Gracenote Media Database while reading an audio CD, the following information is displayed:



### Switching ‘Read CD database’ function on and off

- ▶ Switching to CD audio mode (▷ page 60).
- ▶ Select “CD” → “*Read CD Database*”.

Depending on the previous status, the function will be switched off  or on .

## CD audio/DVD audio and MP3

### Updating the Gracenote® Media Database

As new music CD releases occur it is necessary to update the Gracenote Media Database. Optimum Gracenote® music recognition function is only achieved when the most up-to-date database is available in your vehicle.

You can have the music recognition software updated at an Authorized Mercedes-Benz center by means of a DVD or, perform the update process yourself.

**i** *The Gracenote® Media Database is updated at the same time as the map software (▷ page 113).*

## CD audio/DVD audio and MP3

### Setting audio format

It is only possible to set the audio format in DVD audio mode. The number of available audio formats is dependent on the DVD. The content of an audio DVD is called the ‘album’, which can be divided into a maximum of nine groups. A group may contain, for example, music of different sound qualities (stereo and multi-channel formats) or bonus tracks. Each group can include up to 99 tracks. If a DVD audio only comprises one audio format, the “Group” menu item(s) cannot be selected.

- ▶ Switch to DVD audio mode (▷ page 60).
- ▶ Select “DVD-A” → “Group”.

The list of available audio formats appears. A dot ● indicates the format currently selected.

- ▶ **To change setting:** Rotate  or slide .
- ▶ Press .
- ▶ **To exit menu:** Slide .

### Playback options

The following options are available:

- “Normal Track Sequence”  
You will hear the tracks in the normal sequence (e.g. track 1, 2, 3 etc.).
  - “Random Tracks”  
You will hear the tracks in random order (e.g. track 3, 8, 5 etc.).
  - “Folder” (only in MP3 mode)  
The tracks in the currently active folder and any subfolders are heard in random order.
- ▶ **To select an option:** Switch to CD audio, DVD audio or MP3 mode (▷ page 60).

- ▶ Select “CD” or “DVD-A” or “MP3”.

The Options list appears. A dot ● indicates the activated option.

- ▶ Select an option.

The option is activated. A corresponding display will appear in the display/selection window for all options except “Normal Track Sequence”.

 *The option “Normal Track Sequence” is automatically activated if you change the medium which is currently being played or if you select another medium. An activated option remains active after COMAND is switched on or off.*

## Music Register

You can record tracks from audio CDs and store them as MP3 files in the Music Register. The memory capacity is 4 GB.

**!** *Keep your original music files in a safe place. A fault with the COMAND may cause the music files stored in the Music Register to be lost. Mercedes-Benz USA, LLC is not liable for any loss of data.*

## Switching to Music Register

### From another main function

- ▶ Select “Audio” → “Audio” → “Music Register” in the display with Audio menu (▷ page 40).

**i** If “Music Register” was active last, you only need to select “Audio”.

### Within the audio function

- ▶ Select “Audio” → “Music Register”.

The Music Register is loaded. The Music Register display appears.

No music files available:

A message will be displayed.

- ▶ First record music files to the Music Register (▷ page 68).

Music files available:

You will hear the first track of the first folder found or playback will start from the point listened to last.



### Example display: Music Register

- ① Storage media type - Music Register  
HDD
- ② Track number
- ③ Track name
- ④ Elapsed track time
- ⑤ Visual time and track display
- ⑥ Current playback option
- ⑦ Sound settings
- ⑧ Media selection
- ⑨ Folder functions
- ⑩ Current folder
- ⑪ Storage medium position in the media list
- ⑫ Calls up Music Register menu

## Music Register

### Recording music files

**i** CD information, including album, title, artist name and track name is obtained from the Gracenote® Media Database (▷ page 64).

- ▶ In the “Disc” submenu select “REC”.

The Record menu appears on the submenu.

### Selecting tracks to be recorded

- ▶ Rotate **⏪** or slide **←** until “Tracks” is highlighted.
- ▶ Press **⏩**.
- ▶ Select tracks to be recorded by switching the check mark next to each track entry on or off.



- ① Record all tracks (default)
- ② Option for selecting individual tracks
- ③ Confirm selection

**i** If you do not select individual tracks before recording, all tracks on the CD will be recorded.

### Selecting a destination folder

- ▶ Rotate **⏪** or slide **←** until “Folder” is highlighted.
- ▶ Press **⏩**.



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- ① Create new folder (default)
- ② Existing folders
- ③ Currently active folder

▶ **To select folder:** Rotate **⏪** or slide **←**.

- ▶ Press **⏩**.

**i** If you do not select a destination folder before recording, a new folder will be created.

### Start the reording

- ▶ Rotate  or slide  until “Start” is highlighted.
- ▶ Press .

In the display information about source, destination and progress of the recording is shown.

 The Disc menu re-appears automatically after a successful recording.



- ▶ **To stop the recording:** Rotate  or slide  until “Cancel” is highlighted.
  - ▶ Press .
- The Disc menu re-appears.

### Deleting all music files

This function can be used to delete all the music files in the Music Register.

- ▶ Select “Music Register” → “Delete All Music Files”.
- A prompt appears. “No” is highlighted.
- ▶ **Do not delete:** Press .
- The Music Register menu appears.
- ▶ **To delete:** Select “Yes”.
- A corresponding message appears.

### Requesting memory space information

- ▶ Select “Music Register” → “Memory Info”.
- A window appears containing information on:
- Memory capacity
  - Available memory
  - Occupied memory
  - Content (folders, tracks)

### Folder functions

You can view the content of the Music Register, change folder/track names and delete individual folders/tracks.

- ▶ Select “Folder” in the submenu.



- ① Back folder symbol
- ② Music file symbol
- ③ Current folder

or

- ▶ Press  if the display/selection window is highlighted.

A similar list appears that also shows the content of the music register.

## Music Register

- ▶ **To switch to the next folder up:** Select the  symbol.  
The display changes to the next folder up.

### Changing folder/track name

- ▶ Select “Folder”.
- ▶ **To select a folder/track:** Rotate   or slide  .
- ▶ Select “Options” → “Change”.
- ▶ Enter a name for the folder/track in the input line.
- ▶ **To save change:** Select .

### Deleting folder/track

- ▶ Select “Folder”.
- ▶ **To select a folder/track:** Rotate   or slide  .
- ▶ Select “Options” → “Delete”.  
A prompt appears. “No” is highlighted.
  - ▶ **Do not delete:** Press .
- ▶ **To delete:** Select “Yes” and press .  
A message appears.

### Playback options

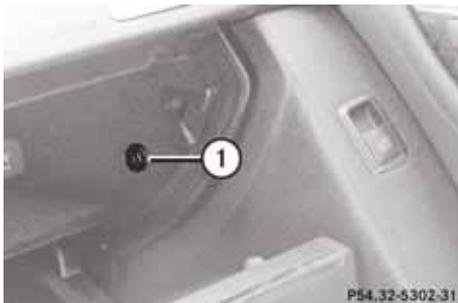
The following options are available:

- “Normal Track Sequence”  
You will hear the tracks in the normal sequence (e.g. track 1, 2, 3 etc.).
  - “Random Tracks”  
The tracks are played in random order.
  - “Random Folder”  
The tracks of the currently active folder and any subfolders are heard in random order.
- ▶ **To select an option:** Switch to Music Register (▷ page 67).
  - ▶ Select “Music Register” in the sub-menu.  
The Options list appears. A dot • indicates the activated option.
  - ▶ Select an option.  
The option is activated. A corresponding display will appear in the display/selection window for all options except “Normal Track Sequence”.

 The option “Normal Track Sequence” is automatically activated if you change the medium which is currently being played or if you select another medium. An activated option remains active after COMAND is switched on or off.

### Audio Aux

An external audio source (AUX) can be connected to COMAND via the 1/8" jack ① located inside the glovebox.



### Switching to Audio Aux

#### From another main function

► Select “Audio” → “Audio” → “Aux” in the Audio menu (▷ page 40).

**i** If Audio Aux mode was active last, you only need to select “Audio”.

### Within the audio function

► Select “Audio” → “Aux”.

The Audio Aux menu appears. The medium in the external audio source is heard, provided it is connected and switched to playback.



**i** Please refer to the relevant operating guide for operation of the external audio source.

The following settings can be made in Audio Aux mode:

- Volume (▷ page 35)
- Balance and fader (▷ page 36)
- Treble and bass (▷ page 36)
- Surround sound (▷ page 38)

### **!** Warning

Due to the different volumes of the external audio sources, system messages (e.g. navigation announcements) may be much louder. You may need to disable these system messages or adjust the volume of these messages manually (▷ page 35).

**i** The volume of external audio sources is extremely variable. It is possible that a device connected as an external audio source will sound quieter or louder in the vehicle or that the usual maximum volume cannot be achieved. On certain devices the volume can be set separately. In this case, start at a moderate volume and increase it slowly. In this way, you can determine whether the system is capable of playback without distortion, even at high volume.



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## DVD video

### DVD video

#### Safety instructions

##### **Warning**

COMAND is classified as a Class 1 laser product. You must not open the casing. There is a risk of exposure to invisible laser radiation if you open the casing, or if the casing is faulty or damaged.

COMAND does not contain any parts that you are able to maintain yourself. For safety reasons, all maintenance work must be carried out by qualified technicians.

##### **Warning**

Only carry out the following when the vehicle is stationary:

- Inserting a disc
- Ejecting a disc

There is a risk of accident by being distracted from road and traffic conditions if you load a CD/DVD while the vehicle is in motion.

#### Automatic picture switch-off

If the vehicle is travelling faster than approximately 3 MPH, the picture will switch off automatically in DVD video mode.

The following message will then appear in the display: *“In order not to distract you from the traffic situation, the picture is faded out while the vehicle is in motion.”*

As soon as the speed falls below approximately 3 MPH, the picture switches back on again.

#### Notes on storage media

 *When playing copied discs, problems may occur with the playback.*

*A wide variety of disc-writing software and writers are available. Due to this variety we cannot guarantee that the system will be able to play discs that you have written/copied yourself*

 *Do not attach stickers or labels of any kind to discs. They may come loose and damage COMAND. Labels may also cause the disc to bend, which may result in reading errors and problems with disc recognition.*

 *COMAND has been designed for discs meeting the requirements of standard EN 60908. Therefore, only discs with a maximum thickness of 1.3 mm can be used.*

*If a thicker disc is inserted, e.g. one which stores data on both sides, (DVD on one side, audio data on the other side), this cannot be ejected and COMAND will be damaged.*

*Do not use 8 cm diameter discs, not even with an adapter.*

*Only use round, 12 cm diameter discs.*

#### Notes on the care of discs

- Only touch the discs at the edges.
- Handle discs with care in order to prevent malfunctions during playback.
- Avoid scratching, leaving fingerprints and dust on the discs.
- Clean the discs occasionally with a commercially available cleaning cloth. Always wipe in a straight line from the inside outwards, never in a circular motion.
- The discs must only be labelled using pens specially designed for this purpose.

- After use, replace the discs into the sleeve.
- Protect the discs from heat and direct sunlight.

### DVD playback conditions

Some DVDs may not comply with the NTSC or PAL TV playback standards. Sound, picture and other playback problems may occur when you play such DVDs.

As standard, COMAND can play video DVDs which meet the following criteria:

- Region code 1 or region code 0 (no region code)

**i** *With a video DVD having another region code, a corresponding message will be displayed.*

- PAL or NTSC TV standard

Information on this can usually be found either on the DVD itself or on the DVD sleeve.

**i** *The factory setting for COMAND is region code 1. An authorized Mercedes-Benz Center can change this setting. This will enable you to play video DVDs with other region codes, provided that they have been made to the PAL or NTSC TV standard.*

### Functional restrictions

It may be the case that some functions or actions may not be possible at certain times, or may not be possible in general, depending on the DVD.

When you activate such functions or actions, this is indicated by the  symbol in the display.

### Loading DVDs

- ▶ Proceed as described in the “Loading CDs and DVDs” section (▷ page 54).

### Ejecting DVDs

- ▶ Proceed as described in the “Ejecting CDs and DVDs” section (▷ page 57).

## DVD video

### Submenu overview

DVD-Video	⏸/▶	■	Changer	Sound
DVD functions	⏸ Pause	■ Stop playback	Medium selection	Treble
Brightness	▶ Resuming playback			Bass
Contrast	▶ Restarting playback			Balance/Fader
Color				Surround sound
16:9 Optimized				
4:3				
Widescreen				

### Switching to DVD video

#### From the control unit

- ▶ Load DVD video (▷ page 55).  
COMAND loads the inserted medium and starts playing it.

or

- ▶ Press the function button .

**i** Pressing the function button switches directly to the disc mode selected last (CD audio, DVD audio, MP3 CD or DVD video). COMAND then accesses all discs in the DVD changer.

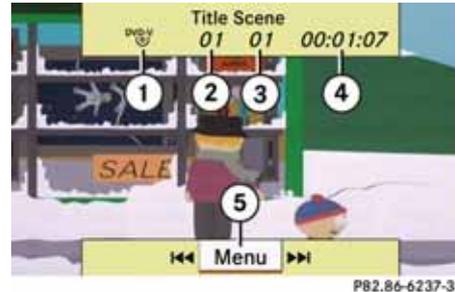
- ▶ If necessary select “Changer” and in the media list select (▷ page 78) a DVD video .

#### From the COMAND controller

- ▶ Select “Video” in the main function menu.

### Displaying/hiding control menu

- ▶ **To display:** Slide  .
  - ▶ **To hide:** Slide  .
- or
- ▶ Wait approx. eight seconds.

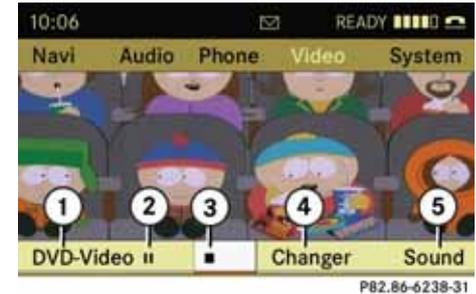


#### Control menu displayed

- ① Disc type
- ② Current track
- ③ Current scene
- ④ Elapsed track time
- ⑤ Displays menu system

### Displaying/hiding menu system

- ▶ **To display:** Press .
- ▶ **To hide:** Slide   and select “Full Screen”.



#### Menu system displayed

- ① DVD-Video menu
- ② Pause function
- ③ Stop function
- ④ Media selection
- ⑤ Sound settings

## DVD video

### Fast forward/reverse

- ▶ Slide and hold ◀⊙▶ until the desired point is reached.

or

- ▶ Press and hold ◀◀ or ▶▶ on the control unit until the desired point is reached.

The control menu will appear.

### Selecting DVD media

- ▶ In DVD video mode, if necessary display the menu system (▷ page 77).
  - ▶ Select “Changer”.
- The media list appears. The dot • indicates the medium currently playing.



### Media list

- ① Symbol for DVD video
- ② DVD Video currently playing

- ▶ **To select DVD video** <sup>DVD</sup>⊙: Rotate ◀⊙▶ or slide ◀◀▶▶.

- ▶ Press ⊙.

COMAND switches the medium.

**i** If you select a CD-/DVD-audio or MP3 medium, the system switches to the corresponding audio mode (▷ page 60).

Further information on the media list can be found on (▷ page 62).

### Stop function

- ▶ In DVD video mode, if necessary display the menu system (▷ page 77).

- ▶ **To interrupt playback:** Select ■.

The **||** display changes to ▶.

- ▶ **To resume playback:** Select ▶.

Playback will then continue at the point at which it was interrupted. The menu system is hidden.

- ▶ **To stop playback:** Press ■ again when playback is stopped.

or

- ▶ Select ■ twice in immediate succession during playback.

The option selector remains at ▶.

- ▶ **To restart playback:** Select ▶.

Playback will start from the beginning. The menu system is hidden.

### Pause function

- ▶ In DVD video mode, if necessary display the menu system (▷ page 77).
- ▶ **To activate playback pause:** Select **||**.  
The **||** display changes to ▶.
- ▶ **To resume playback:** Select ▶.

### Selecting a scene/chapter

- ▶ **To skip forwards or backwards:** Rotate **⏪** or slide **⏩** or slide **⏪** or slide **⏩**.
- or
- ▶ Press **⏪** or **⏩** on the control unit.  
The control menu appears for approx. eight seconds (▷ page 77).

### Selecting a film/track

- ▶ **i** *The function is only available if the DVD is divided into several films/tracks.*
- ▶ In DVD video mode, if necessary display the menu system (▷ page 77).
- ▶ Select **"DVD-Video"** → **"DVD Functions"**.  
A menu appears.



### DVD function menu

- ▶ Rotate **⏪** or slide **⏩** until **"Title Selection"** is selected.
- ▶ **To open selection list:** Press **⏪**.
- ▶ Select a film/track.

### Picture settings

#### Adjusting the brightness, contrast or color

- ▶ In DVD video mode, if necessary display the menu system (▷ page 77).
- ▶ Select **"DVD-Video"** → **"Brightness"** or **"Contrast"** or **"Color"**.
- ▶ **To change setting:** Rotate **⏪** or slide **⏩** until the desired setting is reached.
- ▶ **To save setting:** Press **⏪**.

#### Switching picture format

- ▶ In DVD video mode, if necessary display the menu system (▷ page 77).
- ▶ Select **"DVD-Video"**.  
The DVD-Video menu appears. **●** in front of the menu items **"16:9 Optimized"**, **"4:3"** or **"Widescreen"** indicates the format currently selected.
- ▶ **To switch the format:** Rotate **⏪** or slide **⏩** until the desired format is selected.
- ▶ **To save setting:** Press **⏪**.

## DVD video

### DVD menu

**i** The DVD menu is the menu stored on the DVD itself. Its structure differs from one DVD to another and enables specific actions or settings to be performed.

### Opening the DVD menu

- ▶ In DVD video mode, if necessary display the menu system (▷ page 77).
- ▶ Select “DVD-Video” → “DVD Functions” → “Menu”.

The DVD menu appears.

### Selecting menu items from the DVD menu

- ▶ Slide ↑⊙↓ or ←⊙→.
- ▶ **To select:** Press ⊙.

The selection menu appears.

**i** Menu items that cannot be selected are grayed out.



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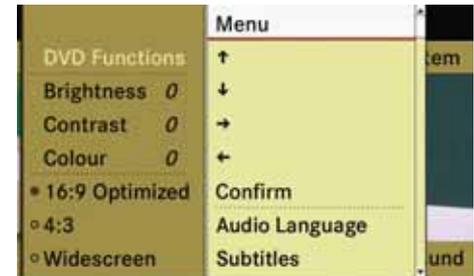
- ▶ **To confirm selection:** Select “Select”. COMAND will perform the action or displays a submenu represented by the menu item selected in the DVD menu. If necessary select from further options in the same way.

COMAND then switches back to the DVD menu.

**i** Depending on the DVD, it is possible the menu item “Play” either has no function or no function in certain parts of the DVD menu. This is indicated by the ⊙ symbol on the display.

or

- ▶ In DVD video mode, if necessary display the control menu (▷ page 77).
- ▶ Select “Menu” → “DVD-Video” → “DVD Functions”
- ▶ Select a directional arrow to navigate the DVD menu.



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### DVD menu

### Stopping film or skipping to the beginning/end of a scene

- ▶ Select any menu item from the DVD menu.  
The selection menu appears.
- ▶ **To stop a film:** Select the menu item “Stop”.
- ▶ **To skip to the end of the scene:** Select the menu item ►►I.
- ▶ **To skip to the beginning of the scene:** Select the menu item I◀◀.

**i** Depending on the DVD, it is possible the menu items I◀◀ and ►►I either have no function or no function in certain parts of the DVD menu. This is indicated by the ⊖ symbol on the display.

### Switching to the next DVD menu up

- ▶ Press the **BACK** button.
- or
- ▶ Select the corresponding menu item from the DVD menu.
- or
- ▶ Select any menu item from the DVD menu.

- ▶ In the selection menu select the menu item “Go Up”.

**i** Depending on the DVD, it is possible the menu item “Go Up” either has no function or no function in certain parts of the DVD menu. This is indicated by the ⊖ symbol on the display.

### Back to movie

- ▶ Press the **BACK** button repeatedly until the film is shown.
- or
- ▶ Select the corresponding menu item from the DVD menu.
- or
- ▶ Select any menu item from the DVD menu.
- ▶ In the selection menu select the menu item “Back (to movie)”.

**i** Depending on the DVD, it is possible the menu item “Back (to movie)” either has no function or no function in certain parts of the DVD menu.

### Setting language

**i** The function is not available for all DVDs. If it is available, you can set the DVD menu language, the audio language or the audio format. The number of settings is determined by the DVD content. The settings may also be possible in the DVD menu (▷ page 80).

- ▶ In DVD video mode, if necessary display the menu system (▷ page 77).
- ▶ Select “DVD-Video” → “DVD Functions”.
- ▶ Select “Audio Language”.

A selection menu will appear after a short time. The dot ● in front of an entry indicates the currently selected language.

- ▶ **To change setting:** Rotate **⏪** or slide **↑** **⏩** **↓** until the desired setting is reached.
- ▶ **To save setting:** Press **⏹**.
- ▶ **To exit menu without changes:** Slide **←** **⏹** **→**.

## DVD video

### Subtitles and camera angle

**i** *The functions are not available for all DVDs. The number of subtitles or camera angles is determined by the DVD content. The settings may also be possible in the DVD menu (▷ page 80).*

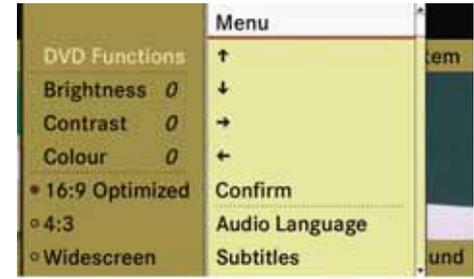
- ▶ In DVD video mode, if necessary display the menu system (▷ page 77).
- ▶ Select “DVD-Video” → “DVD Functions”.
- ▶ Select “Subtitles” or “Camera Angle”.  
In both cases, a selection menu will appear. The dot • in front of an entry indicates the current setting.
- ▶ **To change setting:** Rotate  or slide   until the desired setting is reached.
- ▶ **To save setting:** Press .
- ▶ **To exit menu without changes:** Slide  .

### Interactive content

DVDs may have interactive content (e.g. a video game).

In a video game, for example, you can control the play by selecting or triggering actions. The type and number of actions is dependent on the DVD.

- ▶ **To select an action:** Slide    or  .
  - ▶ **To trigger an action:** Press .
- A menu appears, the first entry “Select” is highlighted.
- ▶ Press .
- or
- ▶ In DVD video mode, if necessary display the control menu (▷ page 77).
  - ▶ Select “Menu” → “DVD-Video” → “DVD Functions”.
  - ▶ Select a directional arrow to select or trigger an action.



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The way you can control the actions depends on the DVD.

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## Safety Precautions

### Safety Precautions

#### **Warning**

Some jurisdictions prohibit the driver from using a cellular telephone while driving. Whether or not prohibited by law, for safety reasons, the driver should not use the cellular telephone while the vehicle is in motion. Stop the vehicle in a safe location before placing or answering a call.

If you nonetheless choose to use the mobile phone while driving, please use the hands-free feature and be sure to pay attention to the traffic situation at all times. Use the mobile phone only when road, weather and traffic conditions permit. Otherwise, you may not be able to observe traffic conditions and could endanger yourself and others.

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

#### **Warning**

You and others may damage your health due to excessive electromagnetic radiation. By using an external antenna, the possible health risks of electromagnetic fields, which are under discussion among the scientific community, should be largely prevented.

#### **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 system, possibly resulting in an accident and/or personal injury.

## General information

## General information

**Making calls via Bluetooth® interface**

The telephone function via the Bluetooth® interface is available in conjunction with a Bluetooth-enabled mobile phone.

With a suitable mobile phone, you can use COMAND's hands-free feature and receive electronic business cards (vCards) via the Bluetooth® interface.

Further information on suitable mobile phones and connecting Bluetooth-enabled mobile phones to COMAND is available via the Internet at [www.mbusa.com](http://www.mbusa.com).

**Interruptions to the connection while driving**

Interruptions to the connection may occur if

- there is inadequate GSM network coverage in certain regions
- you are switching from one GSM transmitting/receiving station (GSM cell) to another and there is no voice channel available in this cell
- you are using a SIM card that is not compatible with the available network.
- when using a mobile phone with "Twin-card", the mobile phone is simultaneously logged into the network with the second SIM card.

**Operating options**

If the mobile phone is connected with COMAND via the Bluetooth® interface, you can operate the phone using the following devices:

- COMAND controller and keypad on the COMAND control unit
- Multifunction steering wheel
- Voice Control

The explanations in this section assume that the mobile phone is connected to COMAND via the Bluetooth® interface. Exceptions are explicitly described.

**Functional restrictions**

Under the following circumstances, the phone may not yet be useable:

- If it is not yet logged into a network.

The phone will try independently to log into a network. If no network is available, you will not be able to make "911" emergency calls.

If you try to make an outgoing call, the message "No Service" appears briefly.

## Activating the mobile phone

### Activating the mobile phone

#### Mobile phone with Bluetooth® interface

#### Prerequisites for the mobile phone

For making calls using COMAND via the Bluetooth® interface, you will need a Bluetooth-enabled mobile phone.

**i** Not all mobile phones available on the market are comparably suitable. Further information on suitable mobile phones and connecting Bluetooth-enabled mobile phones to COMAND is available via the Internet at [www.mbusa.com](http://www.mbusa.com).

#### Activating Bluetooth®

Before you begin activation of your mobile phone connection via the Bluetooth® interface please ensure it is compatible with Bluetooth® handsfree profile 1.0 (▷ mobile phone operating guide)

- ▶ Switch on the mobile phone and enter the PIN, if applicable (▷ mobile phone operating guide).
- ▶ Activate Bluetooth® connection on the mobile phone (▷ mobile phone operating guide).

**i** On certain mobile phones, not only do you have to activate the Bluetooth® function but the device must also be made “visible” for other devices.

Each Bluetooth® device has a Bluetooth® device name. It is recommended to give the device a personal name, by which you can clearly recognize your mobile phone.

**i** If the Bluetooth function on the COMAND is switched off, the message “Bluetooth not activated in system settings.” appears.

- ▶ Activate Bluetooth® connection on COMAND (▷ page 169).

#### Registering a mobile phone (authorizing)

When you use your mobile phone in conjunction with COMAND for the first time, you must register (authorize) it.

It is possible to register several mobile phones. The connection is always established to the mobile phone that was activated last. When you authorize a new mobile phone, it is activated automatically. You can switch between the authorized mobile phones (▷ page 88).

#### Searching for a mobile phone

- ▶ In the phone submenu select “Phone” → “Phone List” → “Update”.

COMAND searches for suitable Bluetooth® phones within range and enters them in the phone list.

**i** The duration of the search procedure depends on the number and type of Bluetooth® phones. The search may take a few minutes.

When first entering the device list and before running an update, the black dot • indicates the active phone (found and authorized).

After running an update:



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Phone icons ③ indicate if a phone is found (black) or not (grey).

## Activating the mobile phone

The check marks ① indicate if a phone has been authorized (black) or not (grey).

If a phone is not in the vehicle but has been authorized previously, the phone symbol and the check mark are grey ②.

**i** If the device list already contains ten authorized devices, you must de-authorize one of the authorized devices (▷ page 88). You will then have to switch this device off and start the search again. Otherwise the new device you are looking for will not appear in the list.

### ▶ To start search again:

Select “Update”.

### Entering passcode

- ▶ Select the as yet unauthorized device (no check mark yet) from the list.
- ▶ Select “Options” → “Authorize” or
- ▶ Press .

The input menu for the passcode appears.



**i** The passcode is any number chosen by you between one and sixteen digits in length. We recommend to use at least four digits because this improves the quality of the encryption during connection. The passcode can differ during each authorization for each device. You must enter the same number on COMAND and on the device to be authorized. Please also refer to the instructions in the mobile phone operating guide.

- ▶ **To enter from COMAND:** Select the digits in the menu bar one after the other.
- ▶ **To correct entry:** Select .
- ▶ **To cancel entry:** Select “Back”.
- ▶ **To confirm entry:** Select .

If a Bluetooth® connection is established successfully, you will be prompted to enter a code on the mobile phone (▷ mobile phone operating guide).

- ▶ Enter the same passcode on the mobile phone as you did on COMAND.

The device is authorized. You can now make calls via COMAND’s hands-free device using the authorized mobile phone.

### External authorization

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



## Activating the mobile phone

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

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

## Displaying details on a mobile phone

- ▶ In the phone submenu select "Phone" → "Phone List".
- ▶ Select the mobile phone from the list.
- ▶ Select "Options" → "Details".  
The details screen for the device is displayed.
- ▶ **To close details screen:** Rotate , slide  or  or  or  or press .

## Deregistering (de-authorizing) a mobile phone

- ▶ In the phone submenu select "Phone" → "Phone List".
- ▶ Select the authorized mobile phone.
- ▶ Select "Options" → "De-Authorize".  
You will be asked whether the device should really be de-authorized.
- ▶ Select "Yes" or "No".

If you select "Yes", the authorization of the device is withdrawn.

 *If the authorization of a device, which had been authorized in the past, has been withdrawn and it is no longer found in the search, the device list no longer includes this device.*

## Activating another mobile phone

If you have authorized several mobile phones, you can switch between the individual mobile phones.

When you authorize a new mobile phone, it is activated automatically. Only one mobile phone is active at a time.

- ▶ Select "Phone" → "Phone List".
- ▶ Select the mobile phone from the list.
- ▶ Press .

The selected mobile phone is activated if the selected mobile is within reception range and its Bluetooth® function is switched on. Any previously activated phone is deactivated.

## Receiving business cards

You can import business cards (vCards) into the address book from external Bluetooth® devices. Please note the following:

- Bluetooth® must be activated (▷ page 169)

 *If the "Bluetooth" function on the COMAND is switched off, the message "Bluetooth not activated in system settings." appears.*

## Activating the mobile phone

- The external device can send vCards via Bluetooth®.
- The external device in the vehicle is switched on and authorized (▷ page 86).
- ▶ If the phone main menu is displayed select “Phone” → “Receive Business Cards”.

or

- ▶ If the address book is displayed, select “Address Book” → “Receive Business Cards”.

- ▶ **To import:** Start the data transfer on the external device (▷ operating guide for the relevant device).

The COMAND imports the data for the business cards and displays the number of business cards received.

- ▶ **To end reception:** Press .

or

- ▶ Press the **BACK** button.

**i** You can also receive business cards via the PCMCIA memory card. To do this, the business cards must be stored in the main directory of the PCMCIA memory card. Load PCMCIA memory card (▷ page 110).

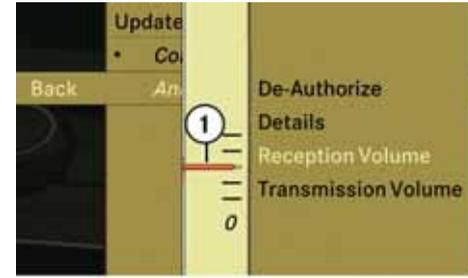
### Setting transmit and receive volume

**i** These settings should normally not be changed as the factory settings are matched to most mobile phones.

**i** Changes may result in significant impairments to the transmission quality. These settings may not be changed during an active phone call.

- ▶ In the phone submenu select “Phone” → “Phone List”.
- ▶ Select an authorized mobile phone from the list.
- ▶ Select “Options” → “Reception Volume” or “Transmission Volume”.

**i** Reception volume and Transmission only appear for authorized devices.



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① Volume bar

- ▶ **To set the volume:** Rotate  or slide .

The volume bar moves up or down.

- ▶ **To confirm selection:** Press  or slide .

## Activating the mobile phone

### “911” emergency call



#### Warning

The 911 emergency call system is a public service. Using it without due cause is a criminal offense.

The following conditions must be met for a “911” emergency call:

- Phone switched on
- Mobile phone network available
- Valid SIM card in the phone (not required on all mobile phone networks)
- Mobile phone connected with COMAND via Bluetooth®

If you are unable to make an emergency call, you will have to initiate rescue measures yourself.

The “911” emergency number is a public service. Any abuse is punishable by law.

- ▶ Enter the digits on the COMAND control unit (▷ page 101).
- ▶ Press the  button.  
The phone establishes the connection.
- ▶ Wait until the emergency call centre answers, then describe the emergency.

## Submenu overview

Name	Phone	Call lists or Mic off/on
Displaying COMAND phone book	Phone list Receive business cards Import external data	Displaying or deleting call lists Switching the hands-free microphone off/on (during a call)

## Submenu overview

### Phone main menu

#### Switching to phone mode

- ▶ Press the function button **TEL** on the COMAND control unit.

**i** If you press the **TEL** button with the phone main menu already open, the call list “Calls Dialed” appears (▷ page 97).

or

#### From another main function

- ▶ Select “Phone” → “Phone” → “Phone”.

**i** If phone mode was active last, you only need to select “Phone”.

#### Within the phone function

- ▶ Select “Phone” → “Phone”.

or

- ▶ In the phone mode press the **BACK** button repeatedly until the phone main menu appears.



- ① Phone service status
- ② Signal strength (if provided by phone)
- ③ Call status
- ④ Displays COMAND phone book
- ⑤ Displays call list selection
- ⑥ Speller with characters for entering phone numbers
- ⑦ Device name of the connected mobile phone

### COMAND phone book

The COMAND phone book is an extract of entries from the COMAND address book. All the COMAND address book entries having at least one phone number can be found in the COMAND phone book.

**i** For many operating functions you can also use the buttons on the multifunction steering wheel, e.g. the , , , , , or buttons, for selecting a track or a menu, scrolling through lists or initiating or ending a call (▷ page 23).

### Opening COMAND phone book

- ▶ Open the phone main menu (▷ page 92).
- ▶ Select “Name”.

The COMAND phone book is displayed.



### COMAND phone book with search speller

- ① Address book entry
- ② Calls up options
- ③ Search speller
- ④ Closes phone book
- ⑤ symbol for voice tag

Address book entries may have the symbol . An additional voice tag is saved with these entries.

If an address book entry has the symbol then this has more than one phone number. You can select these subentries (▷ page 93).

- ▶ **To close phone book:** In the search speller select the symbol “Back”.

or

- ▶ Press **BACK**.

### Selecting an entry

#### Selecting via list

- ▶ Rotate or slide until the desired entry is highlighted.

#### Selecting subentries

- ▶ Select an address book entry with the symbol from the list and press . The symbol changes into and the subentries appear.



- ① Expanded phone book entry
  - ② Phone book entry with subentries
- ▶ Rotate or slide until the desired subentry is highlighted.

## COMAND phone book

### Displaying details on an entry

COMAND can also fully display an abbreviated entry.

- ▶ Select entry.
- ▶ Select “Options” → “Details”.

The details screen appears.

- ▶ **To close details screen:** Slide ←○→ repeatedly until the entry is highlighted again.

### Initiating call to an entry

- ▶ Select entry (▷ page 93).
- ▶ Press ☎.

or

- ▶ Press the 📞 button on the COMAND control unit.

If the entry contains subentries, a list appears.

- ▶ Select the desired subentry.
- ▶ Press ☎ again.

or

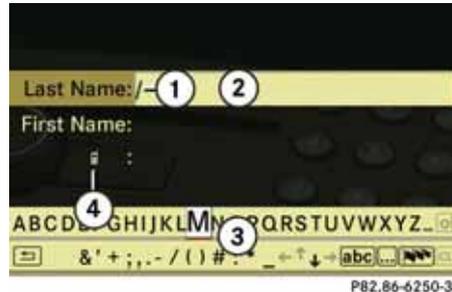
- ▶ Press the 📞 button on the COMAND control unit.

### Creating a new entry

**i** When a new entry is added through the COMAND phone book, it is saved to the address book.

- ▶ Select “Options” → “New Entry” in the COMAND phone book.
- ▶ Select a number category, e.g. “Home”.
- ▶ Select a phone category, e.g. “Mobile Phone”.
- ▶ Select “Save”.

The input menu with the data fields appears.



- ① Cursor
- ② Data field
- ③ Predictive speller
- ④ Selected phone category

### Switching data field

- ▶ Slide ○↑ until the predictive speller is not highlighted.
- ▶ Then slide ↑○↓ to select desired field and press ☎.

or

- ▶ Select ⬆ or ⬇ in the speller.

The input menu indicates the selected data field.

### Entering data into a field

- ▶ Select all the characters one after the other in the predictive speller ③.

**i** *The predictive speller provides the characters corresponding to the selected data field.*

- ▶ **To switch predictive speller to upper or lower case characters:** Select **abc** or **ABC**.

- ▶ **To switch predictive speller character set:** Select **●●●**.

Every time this is selected it switches the character set.

- ▶ **To change the predictive speller language:** Select **👉👈**.
- ▶ Rotate **👉👈** or slide **👆👇** until the required language is highlighted and press **👉**.
- ▶ **To move the cursor in the data field:** Select **←** or **→**.

### Deleting an entry

- ▶ **To delete an individual character:** Select **CLR** and briefly press **👉**.

or

- ▶ Press the **CLR** button next to the COMAND controller.

The character to the left of the cursor is deleted.

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

or

- ▶ Press and hold **CLR** until the entire entry has been deleted.

### Cancelling an entry

- ▶ Select **↩**.

If one of the data fields contains data, you will be prompted to confirm whether you wish to save the entry.

- ▶ Select “Yes” or “No”.

The entry will be saved or discarded on the basis of the selection.

### Saving entry

- ▶ Select **OK**

A corresponding message is displayed.

### Deleting entry

The deletion rules vary according to the entry selected:

- Phone book entry selected:  
The entry is deleted in the COMAND phone book and the address book if the address book entry only contains phone numbers.
- Entire address book entry selected:  
The entry is deleted in the COMAND phone book and additionally also in the address book if the address book entry only contains phone numbers.
- Subentry of an address book entry selected:  
The subentry is deleted in the COMAND phone book and in the address book.
- ▶ **To delete:** Select entry (▷ page 104).
- ▶ Select “Options” → “Delete”.  
You will be prompted to confirm that you really want to delete the entry.
- ▶ Select “Yes” or “No”.  
“Yes” option: The entry is deleted according to the above rules.

## COMAND phone book

### Adding phone number to a phone book entry

- ▶ Select the phone book entry (▷ page 104).
- ▶ Select “Options” → “Add Phone No.”.
- ▶ Select a number category, e.g. “Home”.
- ▶ Select a phone category, e.g. “Mobile Phone”.
- ▶ Select “Save”.

If five numbers are saved for the entry in the selected number category, you will be prompted to confirm whether you wish to overwrite one of the existing numbers.

- ▶ Select “Yes” or “No”.

If you select “Yes” a selection list appears containing the existing five numbers.

- ▶ Select the number to be overwritten. The input menu appears with the data field for entering the new phone number appears.
  - ▶ **To enter digits:** Select all the digits one after the other in the predictive speller or using the number keypad.
  - ▶ **To move the cursor in the data field:** Select  or .
  - ▶ **To delete individual digits:** Select  and briefly press .
- or
- ▶ Press the  button next to the COMAND controller. The digit to the left of the cursor is deleted.
  - ▶ **To delete an entire entry:** Select  and press and hold  until the entire entry has been deleted.

or

## Call lists

COMAND displays the calls received (including missed calls) or made during phone mode in their own lists.

**i** The particular menu item can only be selected if calls have already been received or made from COMAND.

The display of missed calls in the COMAND display is not possible with all mobile phones.

**i** The instrument cluster control system displays a list of the last dialed calls.

**i** For many operating functions you can also use the buttons on the multifunction steering wheel, e.g. the , , , , ,  or  buttons, for selecting a track or a menu, scrolling through lists or initiating or ending a call (▷ page 23).

## Calling up the list

- ▶ In the phone main menu select “Call Lists”.
- ▶ Select “Calls Received” or “Calls Dialed”.

The appropriate list appears.

or

- ▶ In the phone main menu press .

A list of the last dialed calls appears.



## List of incoming calls

- ① List of calls received
- ② Date/time of the highlighted entry
- ③ List entry options menu

**i** If there is a symbol in front of the phone number or the name, then you have missed this call.

- ▶ **To select a list entry:** Rotate  or slide .

**i** You can call the selected list entry (▷ page 102).

- ▶ **To close list:** Select “Back”.

## Displaying details on a list entry

COMAND can also fully display an abbreviated list entry.

- ▶ Select the list entry.
- ▶ Select “Options” → “Details”.

The details screen appears.

- ▶ **Back to the list:** Slide   repeatedly until the list is highlighted.

## Call lists

### Saving unsaved list entry

Unsaved list entries are displayed by means of the phone numbers.

Saved list entries are displayed as the name. They are either saved in the address book or in the COMAND phone book.

### Saving in the address book as a new entry

- ▶ Select the list entry.
- ▶ Select “Options” → “Save” → “New Entry”.

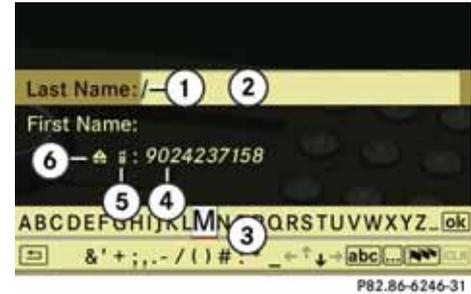
**i** “Save” has no function if the selected list entry has already been saved to the address book.

- ▶ Select a number category, e.g. “Home”.
- ▶ Select a phone category, e.g. “Mobile Phone”.

Number category	Display (phone and address book)
“Not Classified”	
“Home”	
“Work”	
Phone category	
“Not Classified”	
“Mobile Phone”	
“Car”	
“Pager”	

- ▶ Select “Save”.

An input menu with data fields will appear. The data field for the phone number is completed automatically. The data field for the last name is also completed if the entry to be saved contains a name.



- ① Cursor
- ② Data field
- ③ Speller
- ④ Data field for phone number is completed automatically
- ⑤ Phone category
- ⑥ Number category

- ▶ **To switch data field:** Slide until the last name line is highlighted.

- ▶ Press

or

- ▶ Select or and press .

The selected data field is highlighted.

- ▶ **To enter data into a field:** Select all the characters one after the other in the speller ③.

**i** The speller provides the characters corresponding to the selected data field.

▶ **To switch predictive speller to upper or lower case characters:** Select **abc** or **ABC**.

▶ **To switch predictive speller character set:** Select **...**.

Every time this is selected it switches the character set (digits, lower case letters).

▶ **To change the predictive speller language:** Select **...**.

▶ Rotate **⌂** or slide **↑** **⌂** **↓** until the required language is highlighted and press **⌂**.

▶ **To move the cursor in the data field:** Select **←** or **→**.

▶ **To delete an individual character:** Select **CLR** and briefly press **⌂**.

or

▶ Press the **CLR** button next to the COMAND controller.

The character to the left of the cursor is deleted.

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

or

▶ Press and hold **CLR** next to the COMAND controller until the entry has been deleted.

▶ **To save entry:** Select **ok**.  
A corresponding message is displayed.

▶ **To cancel entry:** Select "Back".

If one of the data fields contains data, you will be prompted to confirm whether you wish to save the entry.

▶ Select "Yes" or "No".

The entry will be saved or discarded on the basis of the selection.

### **Adding a phone number from the call list to an existing address book entry**

▶ Select the list entry (▷ page 97).

▶ Select "Options" → "Save" → "Add Phone No."

**i** "Save" has no function if the selected list entry is already saved in the address book.

▶ Select a number category, e.g. "Home".

▶ Select a phone category, e.g. "Mobile Phone".

▶ Select "Save".

The search menu for address book entries appears.

▶ Search for the required entry.

**i** Please see the "Searching for an address book entry" section (▷ page 106) for a detailed description on searching for an address book entry.

▶ Press **⌂** after completing the search.

If there are fewer than five numbers saved for the required entry in the selected number category, COMAND saves the data.

A corresponding message is displayed.

## Call lists

If five numbers are saved for the required entry, you will be prompted to confirm whether you wish to overwrite one of the existing numbers.

- ▶ Select “Yes” or “No”.

If you select “Yes” a selection list appears containing the existing five numbers.

- ▶ Select the number to be overwritten.

COMAND overwrites the selected number with the new data.

## Deleting call lists

**i** *The saved call lists are retained in COMAND even if you use the COMAND with another mobile phone. For this reason you should delete any call lists before handing over or selling the vehicle.*

- ▶ In the phone main menu (▷ page 92) select “Call Lists”.
- ▶ Select “Delete Call Lists”.
- ▶ Select “Yes” or “No”.

If you select “Yes”, the call list will be deleted.

## Making calls

### Incoming call

#### Rejecting or accepting calls

- ▶ **To reject:** Select “*Reject*”.

or

- ▶ Press  on the COMAND control unit’s keypad or the  button on the multifunction steering wheel.

- ▶ **To accept:** Select “*Accept*”.

or

- ▶ Press  on the COMAND control unit’s keypad or the  button on the multifunction steering wheel.

After accepting the call, you will conduct the conversation over the hands-free system. The call volume can be adjusted (▷ page 35). Please see the “Functions during a single call” section for other functions (▷ page 102).

 *You can also accept a call as described above if COMAND is displaying a screen for another main application. After accepting the call, the display switches to the phone display. Once the call is over, the display for the previous main application will appear again.*

## Initiating an outgoing call

### Entering phone number via the COMAND control unit

- ▶ Open the phone main menu (▷ page 92).
  - ▶ Enter all the digits on the numeric keypad one after the other.
  - ▶ **To delete individual digits:** Briefly press the  button.
  - ▶ **To delete entire phone numbers:** Press and hold  until the number has been deleted.
  - ▶ **To initiate call:** Press the  button.
- or
- ▶ Press the  button on the multifunction steering wheel.

### Entering phone number from the COMAND controller

- ▶ Open the phone main menu (▷ page 92).
- ▶ **To enter digits:** Select all the digits one after the other.
- ▶ **To delete individual digits:** Select  and briefly press .

or

- ▶ Press the  button next to the COMAND controller.
- ▶ **To delete entire phone numbers:** Select  and press and hold  until the phone number has been deleted.

or

- ▶ Press and hold  until the entry has been deleted.
- ▶ **To initiate call:** Select  on the right in the speller.

### Redialing

- ▶ Open the phone main menu (▷ page 92).
- ▶ Select .

or

- ▶ Press the  button on the COMAND control unit when the phone main menu is displayed.

The dialed calls list appears. The call dialed last will be at the top of the list.

## Making calls

- ▶ **To select call:** Rotate  or slide  .
- ▶ **To initiate call:** Press .

## Initiating a call to a call list entry or COMAND phone book entry

- ▶ Open the call list and select an entry (▷ page 97).
- or
- ▶ Open the COMAND phone book and select an entry (▷ page 104).
  - ▶ **To initiate call:** Press .

## Functions during a single call



## Phone mode with a single call

- ① Other party
- ② Symbol for active phone connection
- ③ Switches the hands-free microphone off or on
- ④ Sends DTMF tones (not possible with all mobile phones)
- ⑤ Device name of the connected mobile phone
- ⑥ Terminates call

## Switching hands-free microphone on or off

- ▶ Open the phone main menu (▷ page 92).
- ▶ **To switch off:** Select “Mic Off”.

When the microphone is switched off the symbol  appears in the main area.

- ▶ **To switch on:** Select “Mic On”.  
The symbol  disappears

## Sending DTMF tones

 *This function is not possible with all mobile phones.*

Answering machines or other devices can be controlled via DTMF tones, e.g. for remote query functions.

- ▶ **To transmit individual characters:**  
During a call select the required characters using the COMAND controller.

or

- ▶ Press the corresponding button on the COMAND control unit keypad.

Every selected character is transmitted immediately.

- ▶ **Transmitting phone book entry as a sequence of characters:** Select “Name”.
- ▶ Select the desired phone book entry.  
The entry is transmitted immediately as a sequence of characters.
- ▶ **To switch back to call display:** Select “Back”.

### Ending an active call

- ▶ Switch display to phone mode if necessary (▷ page 92).
  - ▶ **To terminate call:** Select .
- or
- ▶ Press  on the COMAND control unit or the  button on the multifunction steering wheel.

### Call waiting

 *The call waiting function must be supported and activated by the phone provider.*

If you are conducting a single call and you receive another, the second call number is entered into the received calls list and a signal tone will sound.

You can accept the waiting call with the mobile phone. The previous call is put on hold. You then have two calls, the accepted call is the active call.

## Address book

### Address book



#### Warning

Please devote your attention first and foremost to the traffic situation you are in.

Before your journey please familiarize yourself with the address book functions.

Only use the COMAND when road and traffic conditions permit you to do so. Otherwise you could be involved in an accident in which you or others could be injured.

### General information

The entries of the address book can be used for making phone calls and navigation destination entries.

**i** You should delete your personal data before selling your vehicle, using the Reset function (▷ page 171).

### Opening the address book

#### From another main function

- ▶ Select “Phone” → “Phone” → “Address Book”.

**i** If the address book was the last function open in the phone function, you only need to select “Phone”.

#### Within the phone function

- ▶ Select “Phone” → “Address Book”.  
The address book main display appears.



#### Address book with address book entry and data that support navigation

**i** An address book entry may contain up to five phone numbers and both a private and business address.

### Submenu overview for address book

Address book	Searching
Receiving business cards	Searching for an address book entry
Import External data	
New	Deleting
Creating a new address book entry	Deleting an address book entry

### Selecting entry in the address book

- ▶ Rotate  or slide  if the display/selection window is active.

### Creating a new address book entry

**i** You can create address data directly in the address book. If you save phone numbers in the COMAND phone book, these are saved in the address book. When you save a navigation destination, COMAND creates an address book entry containing the complete address data that support navigation.

- ▶ Open the address book (▷ page 104) and select “New”.

The input menu with the data fields and the speller appears.



#### Input menu with data fields

- ① Selected data field with cursor
- ② Speller

### Switching data field

- ▶ Slide  $\uparrow \odot$  repeatedly until the predictive speller is hidden.
- ▶ Then slide  $\uparrow \odot \downarrow$  and press  $\odot$  to select a data field.

or

- ▶ Select  $\uparrow$  or  $\downarrow$  in the speller. The input menu indicates the selected data field.

### Entering data into a field

- ▶ Select all the characters one after the other in the predictive speller ②.

**i** The predictive speller provides the characters corresponding to the selected data field.

- ▶ **To switch predictive speller to upper or lower case characters:** Select  $\text{abc}$  or  $\text{ABC}$ .
- ▶ **To switch predictive speller character set:** Select  $\bullet \bullet \bullet$ . Every time this is selected it switches the character set.
- ▶ **To change the predictive speller language:** Select  $\text{[language]}$ .

- ▶ Rotate  $\odot$  or slide  $\uparrow \odot \downarrow$  until the required language is highlighted and press  $\odot$ .
- ▶ **To move the cursor in the data field:** Select  $\leftarrow$  or  $\rightarrow$ .

### Deleting

- ▶ **To delete an individual character:** Select  $\text{[CLR]}$  and briefly press  $\odot$ . or
- ▶ Press  $\text{[CLR]}$  button next to the COMAND controller. The character to the left of the cursor is deleted.
- ▶ **To delete an entire entry:** Select  $\text{[CLR]}$  and press and hold  $\odot$  until the entire entry has been deleted. or
- ▶ Press and hold  $\text{[CLR]}$  until the entire entry has been deleted.

## Address book

### Cancelling an entry

- ▶ Select .

If one of the data fields contains new data, you will be prompted to confirm whether you wish to save the entry.

- ▶ Select “Yes” or “No”.

The entry will be saved or discarded on the basis of the selection.

### Saving entry

- ▶ Select .

The address book displays the entry.

### Searching for an address book entry

- ▶ Open the address book (▷ page 104) and select “Search”.

If there are more than eight entries, the search menu with the search speller appears.



### Search menu with search speller

- ①  symbol for address book entry
- ②  symbol for complete address data from navigation
- ③  symbol for voice tag
- ④ Search speller

Entries without symbols or with the symbols ① and ③ are just address book entries. A voice tag has additionally been saved for entries with the symbol ③. Entries with the symbol ② contain complete

address data from the navigation system, which support navigation and are covered by the digital map data. You can quickly start route guidance to this kind of entry (▷ page 109).

### Switching from search speller to the list

- ▶ Slide  repeatedly or press and hold  until the search speller is displayed.

or

- ▶ Select .

### Switching from the list to the search speller

- ▶ Select  from the list.

## Searching

### Searching via search speller

- ▶ Switch if necessary from the list to the search speller.
- ▶ **To change the search speller language:** Select .
- ▶ **To switch search speller character set:** Select .

Depending on the previous setting, this switches it to letters with special characters or numbers with special characters.

- ▶ **To enter characters:** Select the characters for the required entry one after another.
- ▶ **To delete an individual character:** Select  and briefly press .

or

- ▶ Press the  button next to the COMAND controller.

After entering each character or after each deletion of a character, the closest matching entry is given at the top of the list.

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

or

- ▶ Press and hold  until the entire entry has been deleted.
- ▶ **To end search:** Switch from the search speller to the list.  
The top list entry is highlighted automatically.

- ▶ **Back to the address book:** Switch if necessary from the list to the search speller and in the search speller select .

### Searching via list

- ▶ If necessary, switch from the search speller to the list (▷ page 106).
- ▶ Rotate  for so long or slide    until the desired entry in the list is highlighted.

### Deleting entry

- ▶ Search for the required entry (▷ page 106).
- ▶ Select “Options” → “Delete”.  
A delete prompt appears.
- ▶ Select “Yes” or “No”.  
The entry will be deleted or retained on the basis of the selection.

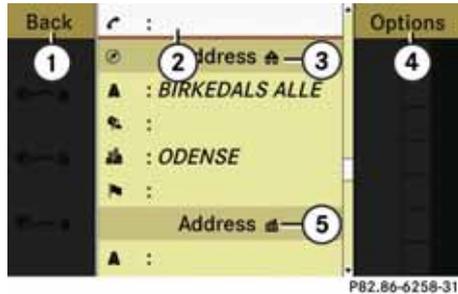
### Displaying details for an address book entry

- ▶ Switch from the search speller to the list (▷ page 106).

or

- ▶ Select an address book entry in the address book (▷ page 104).
  - ▶ Press .
- The details screen appears.

## Address book



### Details screen for private data

- ① Back to the previous menu
- ② Selected data field
- ③ 🏠 symbol for private data
- ④ Calls up options
- ⑤ 🏢 symbol for business data

### Selecting another data field

- ▶ Rotate (🔄) or slide (↕).

### Displaying abbreviated content in full

- ▶ Select “Options” → “Details”.  
The complete display appears.
- ▶ **To close complete display:** Slide ←↻→ or press 🔄.

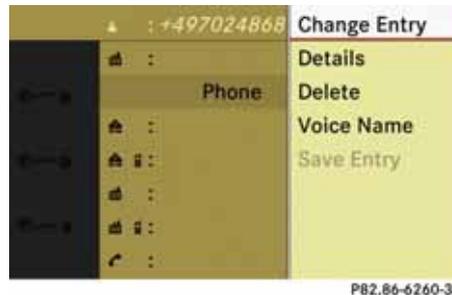
### Closing details screen

- ▶ Select “Back”.

### Changing entry

### Changing an address book entry

- ▶ Search for an address book entry (▷ page 106).
  - ▶ Select “Options” → “Change Entry”.
- or
- ▶ Display details for an address book entry.
  - ▶ Select “Options” → “Change Entry”.



The input menu with the data fields appears.

- ▶ Continue from the step “Switching data field” in the “Creating a new address book entry” section (▷ page 105).

### Changing category of a phone number data field

- ▶ Display the details for an entry and highlight the phone number data field (▷ page 107).
- ▶ Select “Options” → “Change Category”.
- ▶ Select a number category, e.g. “Home”.
- ▶ Select a phone category, e.g. “Mobile Phone”.
- ▶ If necessary select “Preferred”.

Depending on the previous status, the option will be switched on  or off . The phone number is displayed in the phone book as the first number and can be dialed immediately.

- ▶ Select “Save”.
- The new category is saved.

### Initiating a phone call to an entry

**i** The mobile phone must be connected via the Bluetooth® interface.

- ▶ Display the details for an entry and highlight the phone number data field (▷ page 107).
- ▶ Press .

The phone initiates the call. The display switches to the phone mode display.

or

- ▶ Select “Options” → “Call”.

The phone initiates the call.

### Starting navigation to an entry

**i** You can use this function as soon as you have saved a destination in the destination memory (▷ page 159). COMAND then also saves the destination in the address book with the complete address data that support navigation.

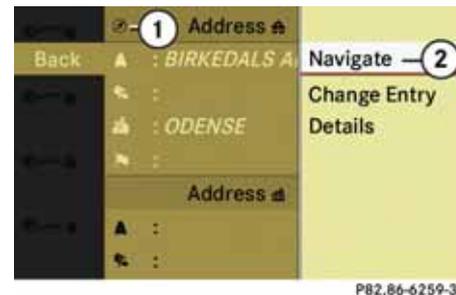
- ▶ Search for an address book entry with the  symbol (▷ page 106).
- ▶ Display the details for an entry and highlight the address data field (▷ page 107).
- ▶ Press .

**i** Pressing  only functions if the address data field contains complete data that support navigation. This is indicated by the  symbol.

or

- ▶ Select “Options” → “Navigate”.

**i** “Navigate” can only be selected if the address data field contains complete data that support navigation. This is indicated by the  symbol.



- ① Address that supports navigation
- ② Opens Enter Destination menu

The Enter Destination menu appears, the selector bar is located at the menu item “Start” (▷ page 135).

- ▶ Start the route calculation.

## Address book

### Voice tags

**i** *Voice tags can be entered via Voice Control System.*

### Adding or changing voice tag

**i** *You can add one voice tag per address book entry.*

- ▶ Search for an address book entry without or with a voice tag (👤) display (▷ page 106).
- ▶ Select “Options” → “Voice Name” → “Add” or “Change”.

The process continues by voice commands. The Voice Control System guides you through the dialogs (▷ page 176).

### Deleting voice tag

- ▶ Search for an address book entry with a voice tag (▷ page 106).
- ▶ Select “Options” → “Voice Name” → “Delete”.

A delete prompt appears.

- ▶ Select “Yes” or “No”.

COMAND will delete or retain the voice tag on the basis of the selection.

### Listening to voice tag

- ▶ Search for an address book entry with a voice tag (▷ page 106).
- ▶ Select “Options” → “Voice Name” → “Listen”.

You will hear the voice tag.

### Importing vCards from a PCMCIA card

You can import vCards from a PCMCIA card into the address book.

**i** *If there are no vCards stored on the PCMCIA memory card, “Import External Data” is greyed out.*

- ▶ Push the PCMCIA memory card into the slot (▷ page 57).

The end with the contacts must be pointing towards the slot.

From the Phone main menu:

- ▶ Select “Phone” → “Import External Data” → “Memory Card” on COMAND.

or from within the Address Book function

- ▶ Select “Address Book” → “Import External Data” → “Memory Card” on COMAND.

- ▶ Press .

The data import is started.

<b>Introduction</b> . . . . .	<b>112</b>
<b>Destination input</b> . . . . .	<b>126</b>
<b>POI input</b> . . . . .	<b>141</b>
<b>Route guidance</b> . . . . .	<b>148</b>
<b>Destination memory</b> . . . . .	<b>157</b>
<b>Last destinations</b> . . . . .	<b>162</b>

## Introduction

### Introduction

#### Safety instructions

##### **Warning**

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

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

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

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

##### **Warning**

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

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

##### **Warning**

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

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

### Updating the map software

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

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

#### Notes on DVD discs

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

## Update sequence

The sequence includes the following stages:

- Loading DVD into the DVD changer
- Update process

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

If possible, perform the update when the vehicle is stationary. The DVD read speed is faster when the vehicle is stationary than when the vehicle is moving and the update therefore takes less time. If you perform the update with the engine off and the vehicle battery is no longer powerful enough, COMAND may shut off automatically during the process to protect the battery. In this case, restart the update with the engine running. You can interrupt the update process and continue it at a later time. If you cancel the update process, the navigation system is not ready for operation.

### Warning

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

## Loading DVD into DVD changer

The DVD changer is a magazine with six built-in compartments.



- ① Disc slot
- ② Load button

- ▶ Press the Load button ②.

A menu indicates which magazine compartments are currently loaded.

- ▶ **To select an empty magazine compartment:** Rotate   or slide  .

- ▶ **To start loading:** Press .

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

- ▶ Insert the DVD into the slot ① with the printed side upwards.

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

- i** If the magazine is full, you will first need to eject a disc (▷ page 57).

## Introduction

### Update process

The update process starts once the DVD has been loaded.

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

### **Map software is not suitable for the navigation system or the system software**

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

COMAND ejects the DVD.

- ▶ Remove the DVD from the slot ①.
- ▶ Have the system software updated by an authorized Mercedes-Benz Center.

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

### **Map software matches the navigation system and the current system software**

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

### **Map data is already installed**

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

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

### **Map data is not yet installed**

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

- ▶ Select "Yes" or "No".
  - If "No" is selected, COMAND ejects the DVD automatically and the map data is not updated.
  - ▶ Remove the DVD from the slot ①.
  - If "Yes" is selected, the map data is updated.

### **Updating the map data**

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

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

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

- ▶ Press the Eject button .
- COMAND ejects the DVD.
- ▶ Remove the DVD from the slot ①.
- ▶ Insert the DVD requested by COMAND.
  - If the update has been completed successfully, a corresponding message is displayed.
- ▶ **To confirm message:** Press .
- COMAND ejects the DVD.
- ▶ Remove the DVD from the slot ①.
  - The update is complete.
- If the update has not been completed successfully, a message is displayed indicating that the map update is not possible.
- ▶ **To confirm message:** Press .
- COMAND ejects the DVD.
- ▶ Remove the DVD from the slot ①.

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

- DVD dirty or scratched.
  - ▶ Clean the DVD.

Please refer to the “Notes on DVD discs” section (▷ page 112).
  - ▶ Restart the update.
- Overheating as a result of excessively high temperatures in the passenger compartment.
  - ▶ Wait until the passenger compartment has cooled down.
  - ▶ Restart the update.
- The memory medium (hard drive) integrated into COMAND has a physical defect.
  - ▶ Contact an authorized Mercedes-Benz Center.

### General information

#### Operational readiness of the navigation system after the system software update

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

- ▶ **To update map software:** Proceed as described in the “Update process” section (▷ page 114). Use map software compatible with the system software.

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

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

### GPS reception

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

### Route guidance after vehicle transport

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

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

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

- Navigation announcements, route guidance displays and displayed street names do not match the actual location.

## Introduction

- COMAND does not issue any navigation announcements.
- The message “Off Mapped Road” and a direction arrow are displayed instead of the route guidance displays. The arrow indicates the direction of the destination.

**i** *Direction arrow accuracy is also dependant on correct vehicle position and/or direction.*

Once the position finding operation has been completed, route guidance takes place again via navigation announcements and route guidance displays.

## Interrupting journey during route guidance

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

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

- If you continue the journey within 2 hours, COMAND automatically continues route guidance.

- If you continue the journey after 2 hours, route guidance is cancelled. You will have to continue the cancelled route guidance again manually (▷ page 154).

## Hard disk drive

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

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

The message “Navigation Unavailable” will then be displayed.

- ▶ **To delete message:** Switch COMAND off and back on again.

**i** *After switching on/off, the navigation system will remain functional until it has to access the faulty area of the hard drive again. The message will be displayed again.*

*Contact a Mercedes-Benz service center.*

## Measurement units

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

## Input restriction

There is an input restriction for vehicles for certain countries.

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

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

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

**Menu overview****Navi**

Selecting map display

Setting route calculation mode

Setting Block Area

Selecting information on map

Switching highway information on/off

**Navi submenus**

<b>Guide</b>	<b>Route</b> (with active route guidance)	<b>Position</b>	 (with active route guidance)	<b>Destination</b>
Selecting POI in depicted map segment, if available	Opening detour function Having alternative route calculated Opening destination information Opening route browser	Save vehicle location or crosshairs position  <i>The crosshairs position can be saved if the crosshairs are displayed on the map, e.g. (▷ page 119).</i> Display vehicle position map Display destination position map	Repeating current navigation announcement	Cancel route guidance Entering destination <ul style="list-style-type: none"> <li>• via address</li> <li>• from memory</li> <li>• from “Last destinations” memory</li> <li>• as POI</li> <li>• via map</li> <li>• as stopover destination</li> </ul> Saving destination

## Introduction

### Switching to navigation mode

- ▶ Press the function button .

or

- ▶ Select “Nav” in the main function menu.

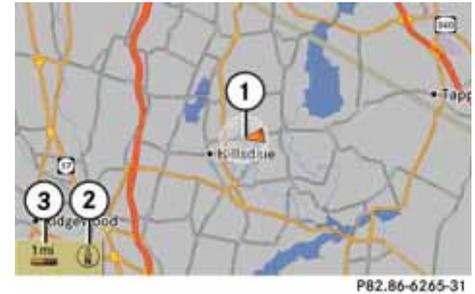
This displays the map with the menu system either displayed or hidden.

**i** If the message “Please insert the map DVD to activate Navigation.” appears instead of the map display, see (▷ page 115).



### Map without activated route guidance and with menu system displayed

- ① Menu system, status line
- ② Menu system, with main functions
- ③ Current vehicle location
- ④ Menu system, navigation submenu



### Map without activated route guidance and with menu system hidden

- ① Current vehicle location
- ② Set map orientation (▷ page 120)
- ③ Set map scale (▷ page 119)

## Displaying/hiding menu system

- ▶ **To hide:** Slide  and when the menu item “Full Screen” is displayed press .

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

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

or

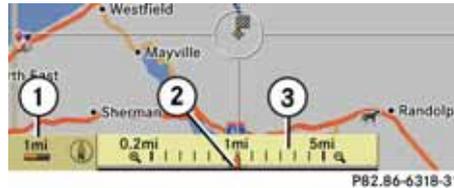
- ▶ Press the function button .

## Setting the map scale

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

- ▶ Rotate  until the required map scale is set.

The map scale  is displayed as soon as you start rotating . Rotating clockwise makes the map smaller, rotating anticlockwise enlarges it.



- ① Currently set map scale as number, here 1 mi (1 inch on the map corresponds to 1 mi)
- ② Indicator on the map scale pointing to the currently selected map scale
- ③ Map scale

## Saving current vehicle location as destination in the last destinations

- ▶ **To display menu system if applicable:** Press .
- ▶ **To save:** Select “Position” → “Save Vehicle Position”.

COMAND saves the current vehicle location as a destination in the last destinations memory (▷ page 162). A window appears containing a corresponding message.

- ▶ **To exit menu:** Slide  or press the  button.

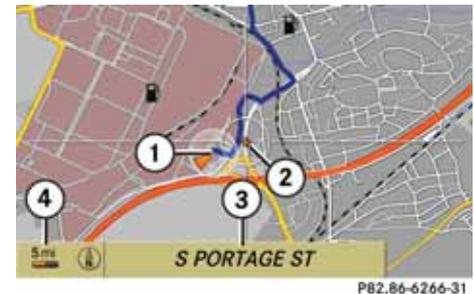
## Scrolling the map

 You can only scroll the map when the menu system is hidden.

- ▶ Hide menu system if applicable (▷ page 119).

- ▶ Slide , ,  or .

Crosshairs will appear on the map.



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

 The display  may for example be a road if corresponding data is available in the digital map and “Current Street” is activated. Or it displays the geo-coordinate position of the crosshairs if “Geo-coordinates” display is activated. (▷ page 124).

## Introduction

### *Saving crosshairs position as destination in the last destinations*

- ▶ **To display menu system if applicable:** Press .
- ▶ **To save:** Select “Position” → “Save Crosshair Position”.

COMAND saves the crosshairs position as a destination in the last destinations memory (▷ page 162). A window appears containing a corresponding message.

### *Hiding crosshairs*

- ▶ Press the **BACK** button.

The crosshairs disappear and the map is set to the vehicle location.

or

- ▶ Set the map to the vehicle location, see description below.

### *Setting map to vehicle or destination location*

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

- ▶ **To display menu system if applicable:** Press .
- ▶ **To set map to vehicle location:** Select “Position” → “Vehicle Position Map”.

or

- ▶ Press the **BACK** button if the crosshairs are displayed.

 This hides the crosshairs.

- ▶ **To set to destination location:** Select “Position” → “Destination Position Map”.

The crosshairs position is then set to the destination.

## Basic settings

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

## Map display

### *Map orientation*



- ① Currently set map orientation

The following displays are possible:

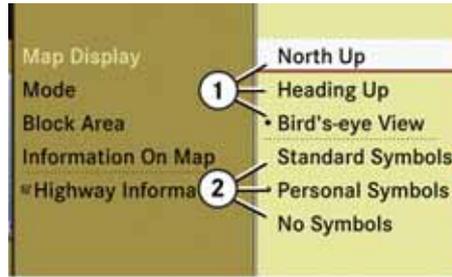
-  = orientation to north (the map display is oriented to the north, north is always at the top)
-  = Driving direction (the map display is oriented in the direction of travel, the direction of travel is always at the top, the orange tip of the symbol points northwards)

- Ⓣ = Bird's-eye view (the map display is oriented in the direction of travel, the map projection reproduces the curvature of the earth's surface, the orange tip of the symbol points northwards)



### Example of map from bird's-eye view

- ① Current crosshairs location
  - ② Currently set map orientation
  - ▶ **To set map orientation:** Display menu system if applicable (▷ page 119).
  - ▶ Select “Navi” → “Map Display”.
- A dot • indicates the current setting.



- ① Options for map orientation
  - ② Options for POI symbols (▷ page 121)
  - ▶ Select “North Up” or “Heading Up” or “Bird's-eye View”.
  - ▶ **To exit menu:** Slide ◀Ⓣ▶.
  - ▶ Hide menu system if applicable (▷ page 119).
- The map orientation changes accordingly.

### Setting POI symbols

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

The following settings are available:

- “Standard Symbols”  
Displays the factory-set symbols
- “Personal Symbols”  
You can choose the symbols yourself.
- “No Symbols”
- ▶ **To set:** Display menu system if applicable (▷ page 119).
- ▶ Select “Navi” → “Map Display”.
- ▶ Select “Standard Symbols” or “Personal Symbols” or “No Symbols”.

If you have selected “Personal Symbols”, the list of POIs will be displayed.

- ▶ **To switch symbol display on/off:**  
Select the corresponding POI.

Depending on the previous status, the corresponding symbol displays will be switched on  or off .

You may also activate the symbol displays for several POIs.

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

## Introduction

- ▶ **To exit menu:** Slide ←⊙→.
- ▶ Hide menu system if applicable (▷ page 119).

## Route mode

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

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



- ① Sets route options

## Setting route options

- ▶ **To set:** Display menu system if applicable (▷ page 119).
- ▶ Select “Navi” → “Mode”.
- ▶ **To switch option on/off:** Select required option.

Depending on the previous status, the option will be switched on  or off . You may activate several options.

**i** The calculated route may include ferry connections, for example, even if the option “Avoid ferries” has been activated.

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

## Block Area

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

**i** The calculated route may include a blocked area if the destination is within a blocked area or if the destination can only be reached using roads that lead through a blocked area.

- ▶ **To set, change or delete:** Display menu system if applicable (▷ page 119).
- ▶ Select “Navi” → “Block Area”.

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

- ▶ Slide ↑⊙↓, ←⊙→ or ↻⊙↻ to select an area.
- ▶ Press ⊙.



The blocked area appears in red.

- ▶ Rotate ⊙ to change the size of the blocked area.
- ▶ Press ⊙.

The area is added to the blocked area list



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A checked entry indicates an active blocked area.

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

### Displaying and changing an existing block area

▶ **To select the area you want to display or change:** Slide  $\uparrow\odot\downarrow$ .

▶ Select “*Display/Change*”.

The map display appears with the block area marked red.

▶ Rotate  $\{\odot\}$  until the desired size of the block area is set.

▶ Slide  $\uparrow\odot\downarrow$ ,  $\leftarrow\odot\rightarrow$  or  $\swarrow\odot\nwarrow$  to shift the block area to the desired region.

▶ **To confirm the area and exit map display:** Press  $\odot$ .

▶ Hide menu system if applicable (▷ page 119).

### Defining a new Block area

▶ Select “*Avoid New Area*”.

The map display appears with a default new block area in red.

▶ Rotate  $\{\odot\}$  until the desired size of the new block area is set.

▶ Slide  $\uparrow\odot\downarrow$ ,  $\leftarrow\odot\rightarrow$  or  $\swarrow\odot\nwarrow$  to shift the new block area to the desired region.

▶ **To confirm the area and exit map display:** Press  $\odot$ .

▶ Hide menu system if applicable (▷ page 119).

### Deleting a block area

▶ **To select the area you want to delete:** Slide  $\uparrow\odot\downarrow$ .

▶ Select “*Options*” → “*Delete*”.

You will be prompted to confirm that you wish to delete the block area.

▶ Select “*Yes*” or “*No*”.

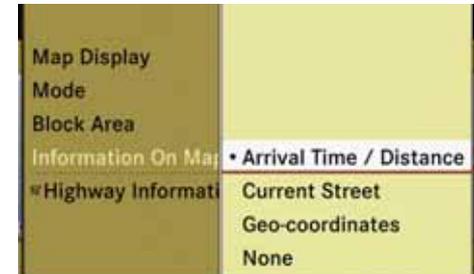
If you select “*Yes*” COMAND deletes the entry. A message will be displayed.

### Information on map

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

▶ **To set:** Display menu system if applicable (▷ page 119).

▶ Select “*Nav*” → “*Information On Map*”.



P82.86-6268-31

A dot • indicates the current setting.

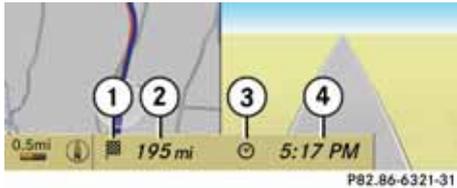
▶ Select “*Arrival Time / Distance*” or “*Current Street*” or “*Geo-coordinates*” or “*None*”.

▶ **To exit menu:** Slide  $\leftarrow\odot\rightarrow$ .

▶ Hide menu system if applicable (▷ page 119).

## Introduction

### Time of arrival/distance to destination



### Map with display activated for time of arrival/distance

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

① *This display can only be seen during route guidance. In the “Move map” function you will see other data depending on the crosshairs position, for example a street name if the digital map supports this data.*

### Current street



### Map with road display activated

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

### Geo-coordinates display



### Map with geo-coordinates display activated

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

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

① *In the “Move map” function the displays ① and ④ are not displayed. The geo-coordinate position of the crosshairs is displayed.*

### “None” menu option



### Map with display switched off

- ① Currently set map orientation

① *In the “Move map” function you will see other data depending on the crosshairs position, for example a road name if the digital map supports this data.*

## Highway information

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

- ▶ **To set:** Display menu system if applicable (▷ page 119).
- ▶ Select “Nav” → “Highway Information”.

Depending on the previous status, the function will be switched off  or on .



### Example display: Function on

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

**i** If the digital map does not supply any data, only a stylized road without highway information is displayed in the right-hand half of the screen.

## Destination input

### Destination input

#### Introduction to destination input



#### Warning

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

**i** You can enter a destination, regardless of whether or not route guidance is active.

The following destination input options are available:

- Entering a destination via the address
- Entering a destination from the destination memory
- Entering destination from the last destinations
- Entering a POI
- Entering a destination via the map
- Entering a stopover destination

### Entering a destination via the address

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

**i** Set the system language (▷ page 171).

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

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

Route calculation can then be started (▷ page 135).

### Opening Enter Destination menu

- ▶ If necessary switch to navigation mode and display menu system (▷ page 118).
- ▶ Select “Destination” → “Address Entry”.

The Enter Destination menu appears.



### Enter Destination menu

#### Menu items in Enter Destination menu

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

Example:

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

## Destination input

## Selecting a state/province

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

- ▶ In the Enter Destination menu select “State”.

A menu appears where you can choose one of the following lists:

- “Last States / Provinces”,
- “States (U.S.A.)” or
- “Provinces (Canada)”.

- ▶ **To select a list:** Rotate  or slide .

- ▶ Press .

The selected state/province list appears.

- ▶ **To select a state/province:** Rotate  or slide .

- ▶ Press .

The Enter Destination appears again. The selected state/province has been entered automatically.

## Entering a city

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

- ▶ In the Enter Destination menu select “City”.

The city list is displayed with or without predictive speller (▷ page 129). The display of the predictive speller depends on how many cities are available for the selected state/province.

## City list with predictive speller

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



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

## Destination input

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

When entering characters, the list entry **3** always displays a city that best matches the characters already entered. COMAND automatically adds matching letters **2** to those characters **1** already entered by the user.

### Entering characters

- ▶ **To select characters:** Rotate **4** or slide **5**.
- ▶ Slide **6** to switch between the lines in the speller.
- ▶ **To confirm character selection:** Press **7**.

### Deleting an entry

- ▶ **To delete individual characters:** Select **CLR** at the bottom right of the speller and press **7**.

or

- ▶ Press the **CLR** button next to the COMAND controller.

- ▶ **To delete an entire entry:** Select **CLR** and press and hold **7** until the entire entry has been deleted.

or

- ▶ Press and hold **CLR** until the entire entry has been deleted.

### Cancelling an entry

- ▶ Select **↩** at the bottom left of the speller and press **7**.

or

- ▶ Press the **BACK** button. The Enter Destination menu appears.

### Accepting first list entry

- ▶ Press and hold **7** until the Enter Destination menu appears. Here you will find the accepted list entry.

or

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

### Switching to the city list without predictive speller

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

- ▶ Press **7**.

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

- ▶ Slide **6** repeatedly until the list appears without the speller.

or

- ▶ Select **ok** and press **7**.

Destination input

City list without predictive speller



- ① symbol for additional options
- ▶ **To select a city:** Rotate or slide .
- ▶ **To cancel selection:** Select “Back” and press .

or

- ▶ Press the **BACK** button.
- ▶ **To confirm selection:** Press .

A city with the ① symbol exists more than once in the selected country. Confirming this type of city will result in a further selection. The symbol then switches to .

If no other options exist, the Enter Destination menu appears again in the display. COMAND has accepted the selected city and entered it automatically in the Enter Destination menu.

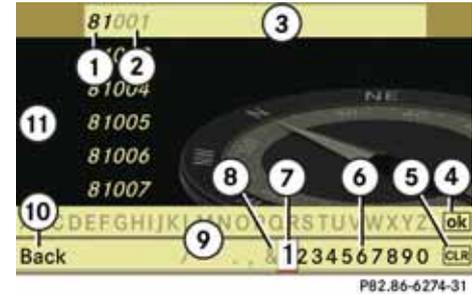
Entering a zip code

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

- ▶ In the Enter Destination menu (▷ page 126) select “ZIP”.  
The zip code list is displayed with or without predictive speller (▷ page 130).  
The display of the predictive speller depends on how many zip codes are available for the selected state/province.

Zip code list with predictive speller

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



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

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

## Destination input

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

► For the steps of

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

proceed as described under “City list with predictive speller” (▷ page 127).

or

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

### **Switching to the zip code list without predictive speller**

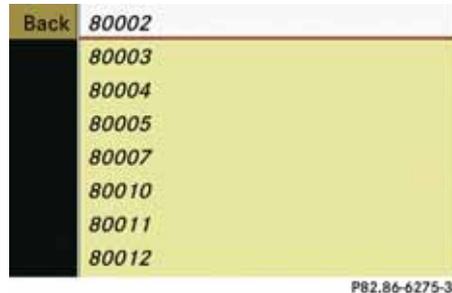
You can switch to the list at any point while entering characters.

- Slide   repeatedly until the list appears without the speller.

or

- Select  and press .

### **ZIP code list without predictive speller**



- **To select a zip code:** Rotate   or slide  .
- **To cancel selection:** Select “Back” and press .

or

- Press the  button.

- **To confirm selection:** Press .

If COMAND can assign the zip code to a unique address, the Enter Destination menu is displayed again. The address data has been entered automatically. Now you can start the route calculation (▷ page 135).

If COMAND is unable to assign the zip code to a unique address, the Enter Destination menu is also displayed again. The zip code has been entered automatically. To further limit the choice, you can now enter the street (▷ page 131). When entering the street, only those streets within the area of the entered zip code are available.

## Destination input

**Entering a street**

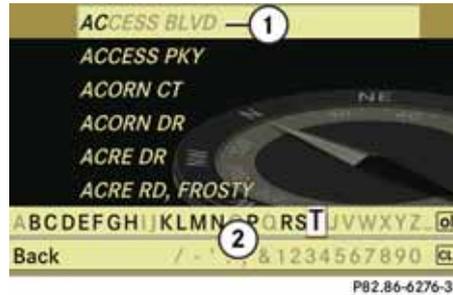
**i** Any city center that has already been entered is deleted when a street is entered. You can only enter those streets that are stored in the digital map.

- ▶ In the Enter Destination menu select “Street”.

The street list is displayed with or without predictive speller (▷ page 131). The display of the predictive speller depends on how many streets are available for the selected city, state or province.

**Street list with predictive speller**

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



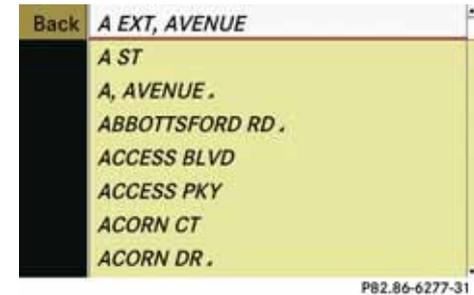
① List entry that best matches the characters already entered

② Predictive speller

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

- ▶ For the steps of
  - Entering characters
  - Deleting an entry
  - Accepting first list entry
  - Cancelling an entry
  - Switching to the list without predictive speller

proceed as described under “City list with predictive speller” (▷ page 127).

**Street list without predictive speller**

- ▶ **To select a street:** Rotate or slide .

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

or

- ▶ Press the **BACK** button.

- ▶ **To confirm selection:** Press .

Streets with the symbol pass through several parts of a city. Confirming this type of street will result in a further selection. The symbol then switches to .



## Destination input

If no other options exist, the Enter Destination menu appears again. COMAND has accepted the selected street and entered it automatically in the Enter Destination menu.

Now you can start the route calculation (▷ page 135).

### Entering a city center

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

- ▶ In the Enter Destination menu select “Center”.

The city center list is displayed with or without predictive speller. The display of the predictive speller depends on how many city centers are available for the selected city.

#### City center list with predictive speller

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



① List entry that best matches the characters already entered

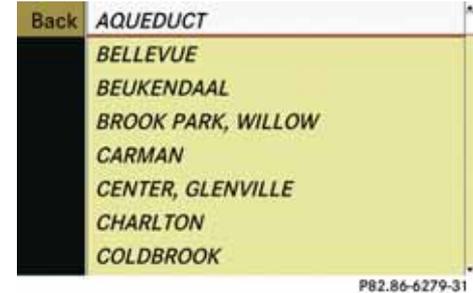
② Predictive speller

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

- ▶ For the steps of
  - Entering characters
  - Deleting an entry
  - Accepting first list entry
  - Cancelling an entry
  - Switching to the list without predictive speller

proceed as described under “City list with predictive speller” (▷ page 127).

#### City center list without predictive speller



- ▶ **To select a city center:** Rotate or slide .

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

or

- ▶ Press the **BACK** button.
- ▶ **To confirm selection:** Press .

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

Now you can start the route calculation (▷ page 135).

## Destination input

## Entering a house number

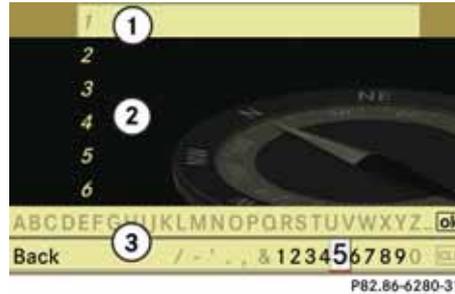
**i** It is not possible to enter house numbers until the street has been entered. You can only enter those house numbers that are stored in the digital map. The digital map does not contain all house numbers for all streets.

- ▶ In the Enter Destination menu select “No.”.

The house number list is displayed with (▷ page 133) or without predictive speller (▷ page 133). The display of the predictive speller depends on how many house numbers are available for the selected street.

**House number list with predictive speller**

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



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

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

- ▶ For the steps of
  - Entering digits
  - Deleting an entry
  - Accepting first list entry
  - Cancelling an entry
  - Switching to the list without predictive speller

proceed as described under proceed as described under “City list with predictive speller” (▷ page 127).

**House number list without predictive speller**

- ▶ **To select house number:** Rotate **⏪** or slide **⬆** **⬇**.
- ▶ **To cancel selection:** Select “Back” and press **⏪**.

or

- ▶ Press the **BACK** button.



## Destination input

- ▶ **To confirm selection:** Press .

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

Now you can start the route calculation (▷ page 135).

## Entering a junction

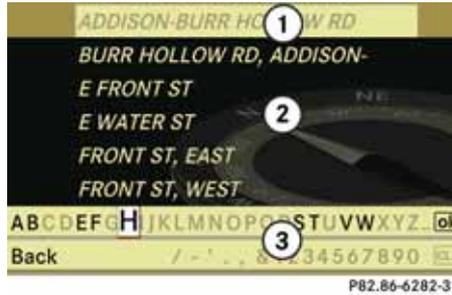
 A junction can be entered once you have entered a street (▷ page 131). You can only enter those junctions that are stored in the digital map.

- ▶ In the Enter Destination menu select “Intersection”.

The junction list is displayed with or without predictive speller (▷ page 134). The display of the predictive speller depends on how many junctions are available for the selected street.

### Junction list with predictive speller

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



 List entry that best matches the characters already entered

 List

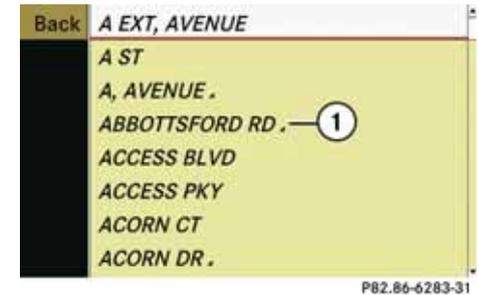
 Predictive speller

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

- ▶ For the steps of
  - Entering characters
  - Deleting an entry
  - Accepting first list entry
  - Cancelling an entry
  - Switching to the list without predictive speller

proceed as described under “City list with predictive speller” (▷ page 127).

### Junction list without predictive speller



  symbol for additional options

- ▶ **To select a junction:** Rotate  or slide .

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

or

- ▶ Press the **BACK** button.

- ▶ **To confirm selection:** Press .

After the confirmation, the Enter Destination menu appears again. COMAND has accepted the selected junction and entered it automatically in the Enter Destination menu. Now you can start the route calculation (▷ page 135).

## Starting route calculation

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

- ▶ In the Enter Destination menu select “Start”.



- ① Destination
- ② Starts route calculation and then starts route guidance

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

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

- ▶ Select “Yes” or “No”.

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

If you select “No” COMAND resumes the active route guidance.

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

Route guidance begins after the route has been calculated (▷ page 148).

**i** Route calculation takes some time. The length of time depends on, e.g. distance to the destination. COMAND calculates the route using the digital map data. The calculated route may deviate from the actual road situation, e.g. as a result of road works or incomplete map data. Please refer to the information on the digital map (▷ page 112).

## Entering a destination from the destination memory

- ▶ If necessary switch to navigation mode and display menu system (▷ page 118).
- ▶ Select “Destination” → “From Memory”.

If there are more than 8 entries in the destination memory, the destination memory list with predictive speller (▷ page 136) is displayed, otherwise the destination memory list is displayed without predictive speller (▷ page 137).

**i** There is always an entry in the destination memory with the name “My Address”. You can assign your home address, for example, to this entry and select it for route guidance (▷ page 157). This entry is at the top of the list in the destination memory.

## Destination input

### Destination memory list with predictive speller

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



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

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

When entering characters, the list entry ③ always displays a city that best matches the characters already entered. COMAND automatically adds matching letters ② to those characters ① already entered by the user.

For the steps of

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

proceed as described under “City list with predictive speller” (▷ page 127).

### Switching to the destination memory list without predictive speller

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

▶ Press **↵**.

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

▶ Slide **↑** repeatedly until the list appears without the speller.

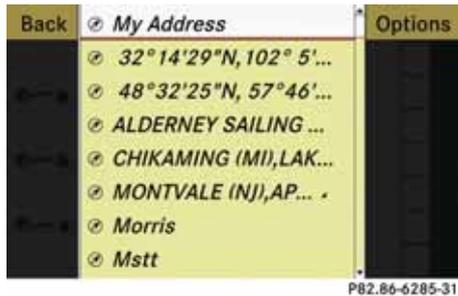
or

▶ Select **ok** and press **↵**.

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

Destination input

Destination memory list without predictive speller



▶ **To select a destination:** Rotate or slide .

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

or

▶ Select “Back” and press .

▶ **To confirm selection:** Press .

▶ **To start route calculation:** Select “Start”, see also (▷ page 135).

Entering destination from the last destinations

- ▶ If necessary switch to navigation mode and display menu system (▷ page 118).
- ▶ Select “Destination” → “From Last Destinations”.



① Last destination

▶ **To select a destination:** Rotate or slide .

▶ **To confirm selection:** Press .

▶ **To start route calculation:** Select “Start”, see also (▷ page 135).

For more information on the “Last destinations” memory go to (▷ page 162).

Entering destination via the map

In some countries, entering destinations via the map is not possible at vehicle speeds above approx. 3 mph. The function becomes available again as soon as the speed falls below approx. 2 mph.

Using the destination entry via the map, you can also enter a destination that lies within the digital map but whose address data is not included in the digital map.

Opening the map

▶ If at least a city has been entered, select “Map” in the Enter Destination menu (▷ page 126).

or

▶ If necessary display the menu system in the map display (▷ page 119).

▶ Select “Destination” → “Using Map”.

In both cases, the map together with crosshairs appears.

## Destination input



- ① Current vehicle location (displayed if the vehicle location is close to the crosshairs position)
- ② Crosshairs
- ③ Information on crosshairs position
- ④ Set map scale

**i** The display ③ depends on the setting selected in “Information On Map” (▷ page 123). It may display the current road if corresponding data is available in the digital map. Or it displays the geo-coordinate position of the crosshairs if “Geo-coordinates display” is activated (▷ page 124) and if there is adequate GPS reception.

### Moving the map and selecting a destination

- ▶ **To move the map:** Slide ↑Ⓜ↓, ←Ⓜ→ or ↻Ⓜ↻.
- ▶ **To set the map scale:** Rotate Ⓜ.
- ▶ **To select a destination:** Press Ⓜ.

Rotating clockwise makes the map smaller, rotating counterclockwise enlarges it.

If the crosshairs are outside the digital map, a route to this destination cannot be calculated and the message “The crosshair is off the map” is displayed.

- ▶ Select “OK”.

If the destination is within the digital map, COMAND tries to find the destination on the map.

If the destination can be found, the Enter Destination menu is displayed with the address of the destination. Otherwise you will see the entry “Destination From Map”.

- ▶ **To start route calculation:** Select “Start”, see also (▷ page 135).

### Entering stopover destination

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

- “Mercedes-Benz Service”
- “Hospital”
- “Gas Station”
- “Parking Lot”
- “Restaurant”

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

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

### Entering predefined destinations

- ▶ If necessary switch to navigation mode and display menu system (▷ page 118).
- ▶ Select “Destination” → “Stopover”.

**No stopover destination available yet**

- ▶ Select a category.

**A stopover destination exists**

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

**Selecting a predefined category**

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

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

- ▶ Select “*OK*”.
- ▶ If necessary, select another category.

If COMAND finds destinations, a list is displayed in the right-hand part of the screen.

Here you will find the stopover destinations in the selected category, sorted by increasing distance from the current vehicle location.

The list shows:

- Name
  - Information on the location of the stopover destination in relation to the direction of travel and the
  - Current distance to the stopover destination.
- ▶ **To choose a destination:** Rotate  or slide .
  - ▶ **To select a destination:** Press .
- The Enter Destination menu appears and displays the address of the destination.
- ▶ **To cancel selection:** Select “*Back*”.
  - ▶ **To start route calculation:** Select “*Start*”, see also (▷ page 135).

**Entering another destination as stopover destination**

- ▶ If necessary switch to navigation mode and display menu system (▷ page 118).
- ▶ Select “*Destination*” → “*Stopover*”.
- ▶ **To enter:** Select “*OTHER*”.

Choose from:

- “*Address Entry*”
  - “*From Memory*”
  - “*From Last Destinations*”
  - “*From POIs*”
- ▶ Select a menu item.

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

For the “*Address Entry*” option see:

- ▶ Entering a destination via the address (▷ page 126).

For the “*From Memory*” option see:

- ▶ Entering a destination from the destination memory (▷ page 135).



### Destination input

For the “*From Last Destinations*” option see:

- ▶ Entering destination from the last destinations (▷ page 137).

For the “*From POIs*” option see:

- ▶ Entering a POI (▷ page 141).
- ▶ **To start route calculation:** After entering the destination select “*Start*”, see also (▷ page 135).

### Deleting stopover destination

---

An existing stopover destination can be deleted.

- ▶ Switch to navigation mode if necessary.
- ▶ Select “*Destination*” → “*Stopover*” → “*Delete Stopover*”.

COMAND deletes the stopover destination and recalculates the route to the main destination.

## POI input

### Entering a POI in local area of destination

**i** It is only possible to enter a POI in the local area of the destination when route guidance is active.

- ▶ In the map display with the menu system displayed (▷ page 119) select “Destination” → “From POIs” → “Near Destination”.
- ▶ Continue by selecting the POI category (▷ page 142).

### Entering a POI in the vicinity of the location

- ▶ In the map display with the menu system displayed (▷ page 119) select “Destination” → “From POIs” → “Current Position”.
- ▶ Continue by selecting the POI category (▷ page 142).

### Entering a POI in the vicinity of a specific location

#### Option 1

- ▶ In the map display with the menu system displayed (▷ page 119) select “Destination” → “From POIs” → “Other City”.
- ▶ If necessary proceed as described under Selecting a state/province (▷ page 127).
- ▶ **To enter a city:** Select “City”.  
The city input menu appears.
- ▶ Proceed as described in the “Entering a city” section (▷ page 127).
- ▶ After entering the city, continue by selecting the POI category (▷ page 142).

#### Option 2

- ▶ Enter an address in the Enter Destination menu (▷ page 126).
- ▶ Select “POI”.
- ▶ Continue by selecting the POI category (▷ page 142).

### Entering a POI via a name search

**i** This function gives you access to all POIs that are available in the digital map.

- ▶ In the map display with the menu system displayed (▷ page 119) select “Destination” → “From POIs” → “Search By Name”.

This displays a list of all POIs in the digital map and the predictive speller.

- ▶ Continue as described in the “POI list with predictive speller” section (▷ page 146).

### Entering a POI via a phone number search

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

- ▶ In the map display with the menu system displayed (▷ page 119) select “Destination” → “From POIs” → “Search By Phone Number”.

This displays a list of all POIs in the digital map sorted by phone number and the predictive speller.

- ▶ Continue as described in the “POI list with predictive speller” section (▷ page 146).

## POI input

### Choosing a POI category

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

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

- POI via phone number:  
A numerically sorted list is available

### Selecting a category

Depending on the number of available categories, the main category list is displayed either with or without predictive speller (▷ page 143).

### Main category list with predictive speller

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



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

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

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

### Entering characters

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

### Deleting an entry

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

or

- ▶ Press the  button next to the COMAND controller.
- ▶ **To delete an entire entry:** Select  and press and hold  until the entire entry has been deleted.

or

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

### Cancelling an entry

- ▶ Select “Back” at the bottom left of the speller and press .
- or
- ▶ Press the  button.  
The previous menu appears.

### Accepting first list entry

- ▶ Press and hold  until the list appears without speller.

or

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

### Switching to the main category list without predictive speller

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

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

or

- ▶ Select  and press .

### Main category list without predictive speller



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

- ① Selected main category with  symbol for subcategories

## POI input

▶ **To select main category:** Rotate  or slide  .

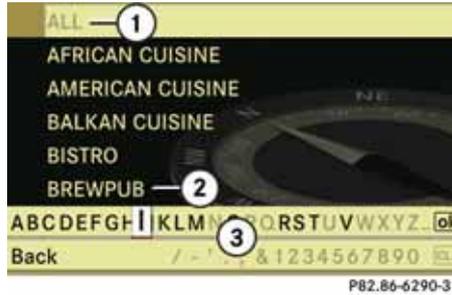
▶ **To cancel selection:** Press the **BACK** button.

▶ **To confirm selection:** Press .

Main categories with the  symbol contain additional subcategories.

The selected main category contains subcategories :

Selecting such a main category takes you to the list of subcategories with the predictive speller. The illustration below shows the main category of “RESTAURANT” with the available subcategories as an example.



① Calls up all entries in the “RESTAURANT” main category

② Calls up all entries in the “BREWPPUB” subcategory

③ Predictive speller

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

▶ For the steps of

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

proceed as described under “Main category list with predictive speller” (> page 142).

The POI list appears.

▶ **To select subcategory:** Rotate  or slide  .

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

▶ **To confirm selection:** Press .

After selecting a subcategory you will see the list of POIs. This contains the available POIs for the subcategory that are located in the search radius.

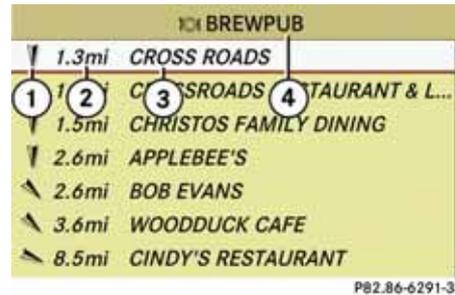
**i** If “ALL TYPES” is selected in the list, the POI list contains all the POIs in all subcategories of the “RESTAURANT” main category that are located in the search radius. The list item “OTHER” at the end of the list contains all the POIs not assigned to any subcategory in the “RESTAURANT” main category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

The selected main category contains no subcategories:

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

### POI list

As an example, the illustration below shows the POI list for the main category of “RESTAURANT”, “BREW/PUB” subcategory in the vicinity of the location.



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

**i** The display ① only appears if you have entered a POI search in the vicinity of the current position.

The display ② is not displayed if you have entered a POI within a particular city and have only entered the state/province and the city.

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

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

### Selecting a POI

- ▶ Select the desired POI.

The full address of the selected POI is displayed.

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



- ① POI with address
- ② Initiates a call, if available
- ③ Starts route calculation
- ④ Cancels selection

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

or

- ▶ Select “Back”.
- The POI list appears.

## POI input

- ▶ **To start route calculation:** Select “Continue”.
- ▶ Then in the Enter Destination menu select “Start”, refer also to (▷ page 135).

### POI list with predictive speller

If you have selected “Entering a POI via a name search” (▷ page 141), the list of all available POIs in the digital map is displayed.



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

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

- ▶ For the steps of
  - Entering characters
  - Deleting an entry
  - Accepting first list entry
  - Cancelling an entry

proceed as described under “Main category list with predictive speller” (▷ page 142).

### Selecting a POI

To accept first list entry:

- ▶ Press and hold until the list appears without speller.

or

If COMAND can match the characters entered definitively to one entry, the address entry appears automatically (▷ page 145).

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

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

or

- ▶ Select and press .

The full address of the POI is displayed.

- ▶ **To cancel selection:** Press the button.

or

- ▶ Select “Back”.

The POI list appears.

- ▶ **To start route calculation:** Select “Continue”.

- ▶ Then in the Enter Destination menu select “Start”, refer also to (▷ page 135).

### Entering a POI via the map

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

- ▶ In the map display with the menu system displayed (▷ page 119) select “Guide”.

POIs are available:

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

You can select which symbols COMAND should display (▷ page 121). The POI nearest to the center of the screen is selected automatically.

No POIs available:

A corresponding message is displayed.

**i** This message is also displayed if the menu item “No Symbols” under “Map Display” has been selected (▷ page 121).

- ▶ **To confirm message:** Press .



- ① Information about the highlighted POI
- ② Highlighted POI

- ▶ **To select a POI:** Select “Next” or “Previous”.
- ▶ **To display details on the selection:** Select “Details”.
- ▶ **To start route calculation:** Select “Start”, see also (▷ page 135).

You will be asked whether the POI should be adopted as the destination.

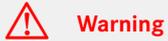
- ▶ Select “Yes” or “No”.

Route calculation starts if “Yes” is selected; a new POI can be chosen if “No” is selected.

## Route guidance

### Route guidance

#### General information



#### Warning

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

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

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

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

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

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

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

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

Time restrictions of roads (e.g. blocked on Sundays and public holidays) are only taken into account for route guidance if the digital map contains corresponding information during the blocked time periods.

### Driving maneuver

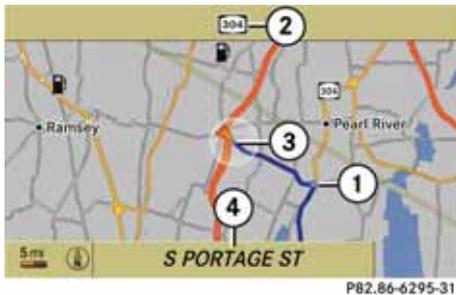
Driving maneuvers are given in three phases:

- Preparation phase
- Announcement phase
- Maneuver phase

Route guidance

Preparation phase

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



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

**i** Depending on the selected basic setting in “Information on map” (▷ page 123) in ④ you will see

- Information on “Arrival Time / Distance”
- Road currently being driven down
- Geo-coordinate display

If the menu item “None” is selected, the display is hidden.

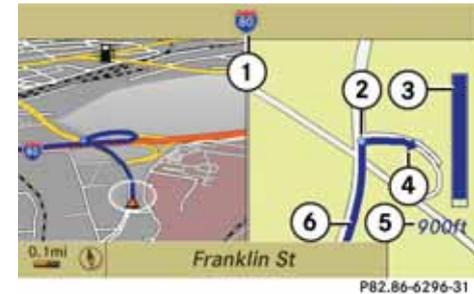
Announcement phase

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

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

The display is now split in two. The normal map display is shown in the left-hand half. In the right-hand half is either an enlarged detail of the area around the junction (junction zoom) or a 3D image generated for the course of the road with the route for the next driving maneuver drawn in (▷ page 150).

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



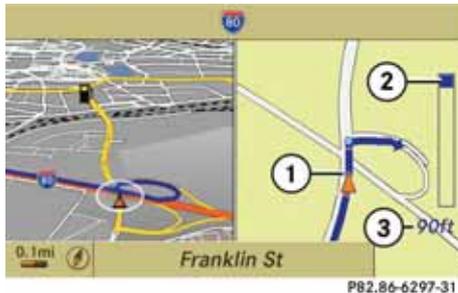
- ① Next road to be taken
- ② Point at which the driving maneuver takes place (light-blue dot, shown in the left-hand and the right-hand display)
- ③ Visual distance indicator to the driving maneuver
- ④ Driving maneuver (turn right here)
- ⑤ Distance information to the driving maneuver
- ⑥ Route (highlighted in blue, shown in the left-hand and right-hand display)

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

## Route guidance

### Maneuver phase

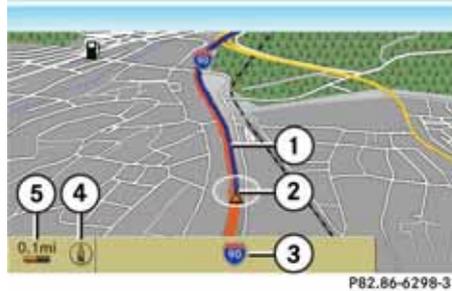
COMAND announces the imminent driving maneuver. In the example, the announcement is made 90 ft. ahead of the driving maneuver using “Now turn right.”. The display is also split into two halves here as in the announcement phase.



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

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

### Example display without driving maneuver



- ① Route (highlighted in blue)
- ② Current vehicle location
- ③ Road currently being driven down
- ④ Set map orientation, for explanation and setting see (▷ page 120)
- ⑤ Set map scale, for explanation and setting see (▷ page 119)

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

### Traffic lane recommendations

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

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

Route guidance



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

**i** The vehicle's instrument cluster also displays traffic lane recommendations. Here only the recommended lanes are displayed.

**Explanation of the traffic lane recommendations**

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

**Depiction of the traffic lane recommendations**

The color depiction of the traffic lane recommendations differs depending on whether the display is set to day or night design.

Day design	Night design
Recommended lane ⑥ = dark blue	Recommended lane ⑥ = light blue
Possible lane ⑦ = light blue	Possible lane ⑦ = dark blue
Lane not recommended ⑧ = grey	Lane not recommended ⑧ = grey

## Route guidance

### Destination or destination region reached

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

### Off-road and off-map



#### Warning

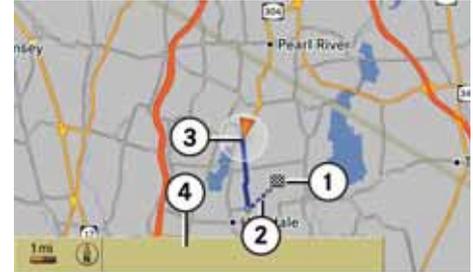
The COMAND navigation system may direct you to off-road routes that your vehicle may not be capable of traversing through without damaging your tires, wheels or vehicle. It is the driver's sole responsibility to determine the suitability of the route. Off-road routes may be of varying conditions and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

### Route guidance to an off-road destination

COMAND can also guide you to destinations that are within the area covered by the digital map, but are not themselves included on the map.

Such destinations are off-road destinations, which you can enter, for example, by entering the destination via the map.

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



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

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

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

### Route guidance from an off-road position to a destination

If the vehicle location is within the area covered by the digital map, but the map itself does not contain any information on the location, the vehicle is in an off-road position. COMAND can guide you from such a position to a destination.

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

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

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

### Route guidance from an off-map position to a destination

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

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

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

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

### Off-road during route guidance

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

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

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

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

### Navigation announcements



#### Warning

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

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

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

If you missed an announcement, you can request a current announcement at any time.

► **To request current announcement:** Select “*Nav*” →

or

► In the map display with the menu system displayed (▷ page 119) select

► **To switch off navigation announcements:** Press during the announcement.



## Route guidance

The message “*The driving instructions have been muted*” appears briefly.

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

or

- ▶ In the map display with the menu system displayed (▷ page 119) select .

or

- ▶ Start new route calculation (▷ page 135).

or

- ▶ If you switch COMAND on again or start the engine.

- ▶ **To set the volume of the announcements:** Set the volume during an automatic announcement Setting the volume (▷ page 35).

or

- ▶ Call up an announcement manually using “Navi” →  and set the volume (▷ page 35).

### Cancelling route guidance

- ▶ In the map display with the menu system displayed (▷ page 119) select “Destination” → “Cancel Route Guidance”.

### Resuming route guidance after cancelling

- ▶ In the map display with the menu system displayed (▷ page 119) select “Destination” → “Continue Route Guidance”.

COMAND calculates the route.

### Detour function

 *The Detour function blocks a route segment ahead. You can set the length of the block. COMAND calculates a detour route if possible.*

- ▶ In the map display with the menu system displayed (▷ page 119) select “Route” → “Detour”.
- ▶ **To set length of block:** Select “Longer” or “Shorter” repeatedly until the required length is set.

The blocked segment is highlighted in red/white on the map. Shown at the top of the display is the length of the blocked segment and the route segment to which the block goes.

- ▶ **To cancel the function:** Select “Back”.
- ▶ **To start route calculation:** Select “Start”, see also (▷ page 135).
- ▶ **To change a block:** Select “Navi” → “Route” → “Detour” → “Change”.

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

- ▶ Then set length of block.

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

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

### Alternative route

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

- ▶ In the map display with the menu system displayed (▷ page 119) select “Route” → “Alternative Route”.

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

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

- ▶ **To select next or previous alternative route:** Select “Next” or “Previous”.

The selected route is now highlighted in dark blue.

- ▶ **To return to the original route guidance:** Select “Back”.
- ▶ **To start route guidance with the selected alternative route guidance:** Select “Start”.

### Route browser

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

- ▶ In the map display with the menu system displayed (▷ page 119) select “Route” → “Route Browser”.

The route browser is in the display.

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

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

- ▶ **To display next or previous route segment:** Select “Next” or “Previous”.
- ▶ **To enlarge or reduce the map display:** Select  or .
- ▶ **To close route browser:** Select “Back”.

### Displaying destination information

- ▶ In the map display with the menu system displayed (▷ page 119) select “Route” → “Destination Information”.

The destination information is given in the display.



### Example display with main destination and stopover destination

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

### Route guidance

**i** When calculating the estimated time of arrival, COMAND uses the time set on the CO-MAND as its basis. For this reason, the time on COMAND must be set correctly (▷ page 165). The calculation of the estimated time of arrival does not specifically take into consideration whether it is summer time or standard time at the destination. It is not taken into consideration whether or not the destination is in a different time zone.

The distance to the destination, the estimated time of arrival and the estimated remaining journey time ①, ⑤ are not displayed until the route calculation is complete.

▶ **To close destination information:**

Slide ◀⊙▶.

or

▶ Press the **BACK** button.

## Destination memory

## Destination memory

## Home address

**i** There is always an entry in the destination memory with the name “My Address” at the top of the list. You can assign your home address, for example, to this entry. If the “My Address” entry already contains data that support navigation (📍 symbol), you can select this for route guidance.

## Assigning home address for first time or changing

- ▶ If necessary switch to navigation mode and display menu system (▷ page 118).
- ▶ Select “Destination” → “From Memory”.

If there are more than 8 entries in the destination memory, the destination memory list with predictive speller is displayed, otherwise the destination memory list is displayed without predictive speller (▷ page 137).

If the list without predictive speller is displayed, the entry “My Address” is highlighted automatically.



- ① Entry already contains data that support navigation (📍)
- ② Calls up options

## Switching to the destination memory list without predictive speller

- ▶ Slide **↑**📍 repeatedly until the predictive speller disappears.

The entry “My Address” is highlighted automatically in the list provided you have not entered any characters in the predictive speller.

If you have previously entered characters in the predictive speller:

- ▶ Rotate **📍** or slide **↑**📍 in the list until the entry “My Address” is highlighted.

or

- ▶ **To assign address for first time:**  
Press and hold **📍** until the predictive speller disappears.  
The entry “My Address” is highlighted automatically in the list.
- ▶ **To exit menu:** Select “Back”.  
How you proceed from here depends on whether you wish to enter the address manually or use an address book entry that supports navigation as your home address.

## Entering address manually

- ▶ Switch to the destination memory list without predictive speller if necessary.
- ▶ **To assign address for first time:**  
Press **📍** and select “New Entry”.
- ▶ **To change home address:** Select “Options” → “New Entry”.  
In both cases, the Enter Destination menu appears.
- ▶ Enter the address. Proceed as described for entering a destination in the “Entering a destination via the address” section (▷ page 126).



## Destination memory

- ▶ After entering the address, select “Save”.  
COMAND then saves the entry. A message is displayed and then the Enter Destination menu with the selected address. “Start” is highlighted automatically.

### Using address book entry as home address

- ▶ Switch to the destination memory list without predictive speller if necessary (▷ page 157).
- ▶ **To assign address for first time:** Press  and select “Assign to Address Book Entry”.

or

- ▶ **To change home address:** Select “Options” → “Assign to Address Book Entry”.

In both cases you will see either the list or, if there are more than 8 address book entries, the search menu with search speller.

Select the desired address book entry. Proceed as described in the “Searching for an address book entry” section (▷ page 106).

 Under “Assigning a destination to an address book entry” on (▷ page 160) you will find out how to link address book entries to data that support navigation.

- ▶ **To confirm selection:** Press .

Address assigned for first time:

COMAND saves the entry. A message is displayed and then the Enter Destination menu with the selected address. “Start” is highlighted automatically.

To change address:

You will be prompted to confirm that you wish to overwrite the “My Address”.

- ▶ Select “Yes” or “No”.

If you select “Yes” COMAND overwrites the destination. A message is displayed and then the Enter Destination menu with the selected address. “Start” is highlighted automatically.

If you select “No” the list reappears.

## Selecting home address for route guidance

 If the “My Address” entry already contains data that support navigation ( symbol), you can select this for route guidance. If the symbol is missing, then first assign a destination to this entry (▷ page 157).

- ▶ If necessary switch to navigation mode and display menu system (▷ page 118).
- ▶ Select “Destination” → “From Memory”.

If there are more than 8 entries in the destination memory, the destination memory list with predictive speller is displayed, otherwise the destination memory list is displayed without predictive speller (▷ page 137).

- ▶ **Destination memory list with predictive speller:** Slide   repeatedly until the list appears without the speller.

or

- ▶ Select .
- ▶ Press .
- ▶ **Destination memory list without predictive speller:** Press .

## Destination memory



The Enter Destination menu is displayed with the address data for the home address. “Start” is highlighted automatically.

### Starting route calculation

- ▶ Press .

Route guidance begins after the route has been calculated (▷ page 148).

### Saving a destination in the destination memory

 This function also saves the destination to the address book. COMAND creates an address book entry there, which contains the complete address data that support navigation. You can then select this entry in the address book and from there start navigation to the address.

### After entering the address

- ▶ After entering the address (▷ page 126), select “Save”.  
Now you can select memory options.

### During route guidance

- ▶ Display menu system if applicable (▷ page 118).
- ▶ Select “Destination” → “Save Destination”.  
Now you can select memory options.

### Accepting from the last destinations

- ▶ If necessary switch to navigation mode and display menu system (▷ page 118).

- ▶ Select “Destination” → “From Last Destinations”.

The list of last destinations appears.

- ▶ **To select a destination:** Rotate  or slide  .

- ▶ **To confirm destination:** Press .

The address of the destination is displayed.

- ▶ Select “Save”.

or

- ▶ Select destination and then “Options” → “Save”.

In both cases, you can then select memory options.

## Destination memory

### Selecting memory options

#### *Saving destination without name*

- ▶ Select “Save Without Name”.

COMAND saves the destination in the destination memory and uses the address as the destination name.

or

- ▶ Select “Save as My Address”.

COMAND saves the destination under the “My Address” entry in the destination memory.

If the entry already contains data that support navigation, you will be prompted to confirm that you wish to overwrite the previous destination address.

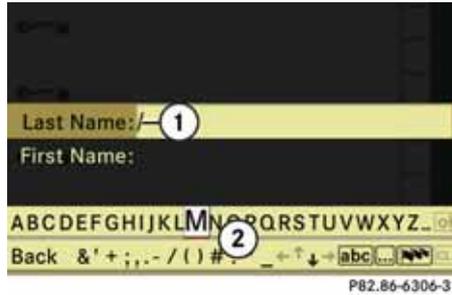
- ▶ Select “Yes” or “No”.

If you select “Yes” the message “Saving Procedure Successful” appears, selecting “No” cancels the operation.

#### *Saving destination with name*

- ▶ Select “Save With Name”.
- ▶ Select desired category, e.g. “Home”.

The input menu is displayed with the data fields and the predictive speller.



- ① Selected data field with cursor
- ② Predictive speller

- ▶ **To enter data:** Continue with the step “Switching data field” (▷ page 105) in the “Creating a new address book entry” section.

COMAND saves the destination under the name entered.

#### *Assigning destination to an address book entry*

**i** This function assigns the complete address data that support navigation to an existing address book entry. You can then select this entry in the address book and from there start navigation to the address.

- ▶ Select “Assign to Address Book Entry”.

- ▶ Select the desired category, e.g. “Home”.

You will see either the list or, if there are more than 8 address book entries, the search menu with search speller.

- ▶ Select the desired address book entry. Proceed as described in the “Searching for an address book entry” section (▷ page 106).

If the selected address book entry does not yet contain any address data that support navigation, COMAND saves the data.

If the selected address book entry already contains address data that support navigation, you will be prompted to confirm that you wish to overwrite the existing data.

- ▶ Select “Yes” or “No”.

If you select “Yes” COMAND saves the data.

### Deleting destination or home address from the destination memory

- ▶ If necessary switch to navigation mode and display menu system (▷ page 118).

- ▶ Select “Destination” → “From Memory”.

If there are more than 8 entries in the destination memory, the destination memory list with predictive speller (▷ page 136) is displayed, otherwise the destination memory list is displayed without predictive speller (▷ page 137).

- ▶ Select destination you want. Proceed as described for entering a destination in the “Entering a destination from the destination memory” section (▷ page 135).

- ▶ Select “Options” → “Delete”.

You will be prompted to confirm that you wish to delete the destination.

- ▶ Select “Yes” or “No”.

If you select “Yes” COMAND deletes the destination. A message will be displayed.

**i** *If the address data, which support navigation, for the destination to be deleted has also been assigned to an address book entry, COMAND deletes this data there too. If the corresponding address book entry does not contain any other data, e.g. phone numbers, COMAND deletes the entire address book entry.*

## Last destinations

### Last destinations

**i** COMAND automatically saves the last destinations used for the last route calculation. If the memory is full, COMAND deletes the oldest destination. You can also save a destination from the last destinations to the destination memory. Here it is saved permanently.

### Saving a destination permanently in the destination memory

- ▶ Proceed as described in the “Accepting from the last destinations” section (▷ page 159).

### Saving vehicle location in the last destinations

- ▶ If necessary switch to navigation mode and display menu system (▷ page 118).
- ▶ Select “Position” → “Save Vehicle Position”.  
COMAND saves the current vehicle location as a destination in the last destinations memory.

### Saving crosshairs position in the last destinations

**i** If you move the map manually, crosshairs will appear on it. The crosshairs position can be saved as a destination in the last destinations memory.

- ▶ **To display menu system if applicable:** Press .
- ▶ Select “Position” → “Save Crosshair Position”.

or during route guidance

- ▶ **To display menu system if applicable:** Press .
- ▶ Select “Position” → “Destination Position Map”.

The map with the crosshairs position on the destination appears.

- ▶ **To show the menu system:** Press .
- ▶ Select “Position” → “Save Crosshair Position”.

COMAND saves the crosshairs position as a destination in the last destinations memory.

### Deleting one of the last destinations

- ▶ If necessary switch to navigation mode and display menu system (▷ page 118).
- ▶ Select “Destination” → “From Last Destinations”.  
The list of last destinations appears.
- ▶ Select the desired destination.
- ▶ Select “Options” → “Delete”.

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## System settings

### System settings

#### Opening System menu

- ▶ Press the function button .

or

- ▶ Select “System” in the menu bar with main functions.



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### Menu overview

System settings	Language
Display	Setting language
Time	
Text reader speed	
Voice control	
Bluetooth	
Reset (resets COMAND to factory settings)	
 Use this function to delete your personal data, e.g. before selling your vehicle.	

### Display settings

#### Adjusting brightness

- ▶ Select “System” → “System Settings” → “Display” → “Brightness”.



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- ① Brightness bar

- ▶ **To adjust brightness:** Rotate  or slide .

The brightness bar moves up or down.

- ▶ **To confirm selection:** Press  or slide .

## Setting the display design

- ▶ Select “System” → “System Settings” → “Display”.
- ▶ Select “Day Mode” or “Night Mode” or “Automatic”.

The dot • in front of the list entry indicates the current selection.

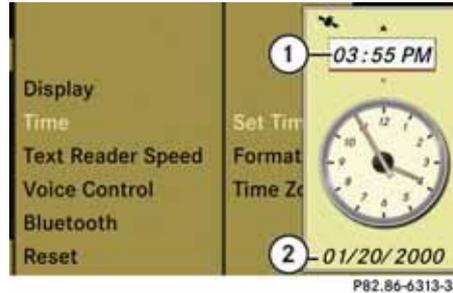
**i** In the “Automatic” setting, COMAND evaluates the automatic vehicle light sensor and automatically switches over the display design.

## Time settings

### Setting the time

**i** The correct time is essential for the following system functions to operate correctly:

- Route guidance on routes with time-dependent traffic routing
  - Calculation of estimated time of arrival
  - Time stamps for calls received and calls dialed
- ▶ Select “System” → “System Settings” → “Time” → “Set Time”.



- ① Sets the time
- ② Current date

- ▶ **To set value:** Rotate or slide .
- ▶ **To save setting:** Press .

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

**i** If you change the time in 30 minute steps, previously selected settings for time zone and switching between summer time and standard time are lost (▷ page 166).

## Setting time/date format

- ▶ Select “System” → “System Settings” → “Time” → “Format”.

The format list appears. The dots • in front of the list entries indicate the current setting.

**i** The abbreviations mean:

Date format: DD - Day, MM - Month, YY/YYYY - Year

Time format: HH - Hour, MM - Minute for 24-hour and AM/PM format

- ▶ **To change format setting:** Rotate or slide .
- ▶ **To confirm selection:** Press .
- ▶ **To save setting and quit menu:** Slide .

### System settings

#### Setting time zone and switching between daylight saving time and standard time

**i** *The correct time zone and daylight saving/standard time settings are essential for the following system functions to operate correctly:*

- *Route guidance on routes with time-dependent traffic routing*
- *Calculation of estimated time of arrival*
- *Time stamps for calls received and calls dialed*
- ▶ **To set time zone:** Select “System” → “System Settings” → “Time” → “Time Zone”.

A time zone list appears.

- ▶ Rotate  or slide  to select the appropriate time zone.
  - ▶ **To switch between Daylight Saving and standard time:** Select “Daylight Saving Time” (Summer) or “Standard Time” (Winter).
- The dot • in front of a list entry indicates the current setting.
- ▶ **To save setting and exit menu:** Slide .

### Read-out settings

#### Setting reading speed

You can use this feature to adjust the read-out speed of the address book via voice control.

- ▶ Select “System” → “System Settings” → “Text Reader Speed”.
- The list of possible speeds appears. The dot • in front of the list entry indicates the current setting.
- ▶ Select the desired speed.
- The new setting is stored.

## System settings

## Voice control settings

## Switching help screen on/off

- ▶ Select “System” → “System Settings” → “Voice Control”.

- ▶ Select “Help Window”.

This switches the help screen on  or off .

**i** In addition to the audible instructions, the help screen displays other information during the individualization process and the later voice control mode.



P82.86-6314-31

## Individualization function

You can use the individualization function option to adapt the Voice control system to your own voice and therefore improve voice recognition. This will affect the ability of the system to recognize the voices of other users, and for this reason it can be switched off (▷ page 168).

The individualization function comprises two parts and lasts around 5 minutes. During the process you will practice a few number sequences and voice commands.

## Starting new individualization process

**i** You can only start the individualization function when the vehicle is stationary. First switch off all interfering units/functions, such as radio or navigation. After starting, the system will take you through the training by means of audible instructions.

- ▶ Select “System” → “System Settings” → “Voice Control” → “Start New Individualization”.

You will be visually and audibly prompted to confirm whether you would like additional information.

- ▶ Select “Yes” or “No”.

If you select “No”, the first part of the individualization will start. You will be prompted to confirm that you wish to practice numbers or voice commands.

If you select “Yes”, an information screen will appear and you will hear information about the sequence of the individualization process. The first part of the individualization then starts automatically

or

- ▶ **To close display:** Press .

You will be prompted to confirm that you wish to practice numbers or voice commands.



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### System settings

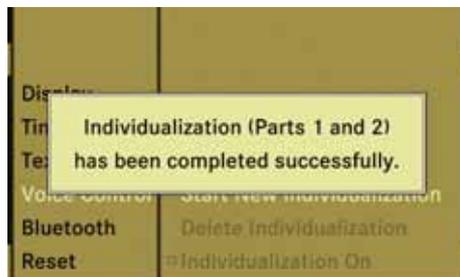
Once the first part is over, you will be prompted to confirm that you wish to start the second part.

- ▶ Select “Yes” or “No”.

If you select “No”, the individualization is cancelled. The data from the first part is saved automatically.

If you select “Yes”, the second part of the individualization will start.

The individualization is ended once the second part has been completed. A corresponding message is displayed. The data from the second part is saved automatically.



### Canceling first or second part of individualization process

- ▶ Select “Cancel”.

You will be prompted to confirm that you really wish to cancel.

- ▶ Select “Yes” or “No”.

If you select “Yes”, the individualization is cancelled. The data from the cancelled part will be lost.

If you select “No”, the cancelled part of the individualization will restart.

### Deleting any previous individualization data

- ▶ Select “System” → “System Settings” → “Voice Control” → “Delete Individualization”.

You will be prompted to confirm that you really wish to delete it.

- ▶ Select “Yes” or “No”.

The individualization data will be deleted or retained on the basis of the selection. A corresponding message is displayed.

### Switching individualization on/off

- ▶ Select “System” → “System Settings” → “Voice Control” → “Individualization On”.

This switches the individualization on  or off .

## Bluetooth® settings

### General information on Bluetooth®

Bluetooth® is a technology for wireless data communication over short distances of up to approx. 30 feet. Using Bluetooth® you can exchange business cards (vCards), for example.

### Switching Bluetooth® on/off

- ▶ Select “System” → “System Settings” → “Bluetooth” → “Activate Bluetooth”. This switches Bluetooth® on  or off .

### Connecting Bluetooth® devices

**i** In order to connect Bluetooth® devices, Bluetooth® must be activated on the COMAND and on the particular device. In addition, a Bluetooth® device must be ‘visible’ for COMAND, so that COMAND can find it and display it. The procedure for performing this setting is given in the manual for the Bluetooth® device.

The following types of devices can be connected to COMAND via Bluetooth®:

- Mobile phone
- Portable personal computer

- Laptop/PDA

You can connect a maximum of 10 devices to COMAND.

The connection process includes searching for a device and then authorizing it.

### Opening the Bluetooth® device list and searching for a device

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

- ▶ **To start search:** Select “Update”.

COMAND starts searching for devices in the reception range. After a short time, the device list appears.

- i** If you open the device list again, the list of authorized devices appears.

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

The device list may contain the following devices:

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

When first entering the device list and before running an update, the black dot • indicates the active phone (found and authorized).

After running an update:



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Phone icons ③ indicate if a phone is found (black) or not (grey).

The check marks ① indicate if a phone has been authorized (black) or not (grey).

If a phone is not in the vehicle but has been authorized previously, the phone symbol and the check mark are grey ②.



## System settings

**i** If the device list already contains ten authorized devices, you will have to withdraw the authorization for (de-authorize) one of the authorized devices. You will then have to switch this device off and start the search again. Otherwise the new device you are looking for will not appear in the list.

**i** If you reopen the device list at a later time, this will contain all previously authorized devices.

### Displaying details on a Bluetooth® device

- ▶ Open the Bluetooth® device list (▷ page 169).
- ▶ Select the desired device.
- ▶ Select “Options” → “Details”.

The details screen for the device is displayed.

- ▶ **To close details screen:** Rotate  or slide .

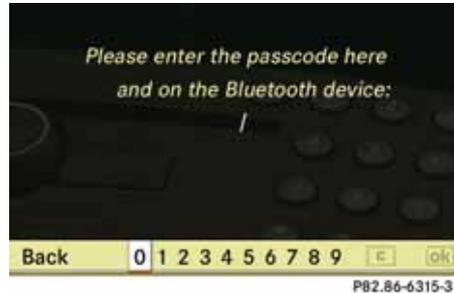
### Authorizing a Bluetooth® device

- ▶ Open the Bluetooth® device list (▷ page 169).
- ▶ Select “Update”.

**i** If the authorization of a device, which had been authorized in the past, has been withdrawn and it is no longer found in the search, the device list no longer includes this device. Devices that have been authorized in the past but not found in the search are either not switched on or are not in the vehicle.

- ▶ Select the as yet unauthorized device (no check mark yet).
- ▶ Select “Options” → “Authorize”.

The input menu for the passcode appears.



**i** The passcode is any number with between one and sixteen digits that you can select yourself. You must enter the same number on COMAND and on the device to be authorized. Please also refer to the instructions in the mobile phone’s manual.

- ▶ **To enter passcode on COMAND:** Select digits one after another.
- ▶ **To cancel entry on COMAND:** Select “Back”.
- ▶ **To confirm entry on COMAND:** Select :
- ▶ Enter the same passcode on the Bluetooth® device (▷ operating manual for the relevant device).  
The device is authorized.

### De-authorizing a Bluetooth® device

- ▶ Open the Bluetooth® device list (▷ page 169).
- ▶ Select the authorized device.
- ▶ Select “Options” → “De-Authorize”.  
You will be asked whether the device should really be de-authorized.
- ▶ Select “Yes” or “No”.  
After selecting “Yes”, the authorization of the device is withdrawn.

## Reset

**i** You can fully reset COMAND to the factory settings. This process deletes all personal data, among other things, (e.g. station memory, address book entries, entries in the destination memory and in the last destinations of the navigation system). It is recommended that you perform a reset before the vehicle is handed over or sold, for example.

- ▶ Select “System” → “System Settings” → “Reset”.

You will be prompted to confirm that you wish to perform the reset.

- ▶ Select “Yes” or “No”.

After selecting “Yes”, you will again be prompted to confirm that you wish to perform the reset.

- ▶ Select “Yes” or “No”.

After selecting “Yes”, COMAND is reset and restarted.

## Setting the system language

- ▶ Select “System” → “Language”.

The language list appears.

The dot • indicates the current setting.

- ▶ **To change setting:** Select the desired language.

The language is set.

**i** Setting the system language also changes the language of the multifunction display.

### Tele Aid\*

#### Tele Aid\*

##### *The Tele Aid\* system*

(Tele Aid – Telematic Alarm Identification on Demand)

The Tele Aid\* system consists of three types of response:

- automatic and manual emergency
- Roadside Assistance
- Information

#### Emergency calls

##### **Automatically**

An emergency call is initiated automatically following an accident in which the emergency tensioning devices (ETDs) or air bags deploy.



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##### **Initiating an emergency call manually**

The SOS button is located in the overhead control panel.

- ▶ Briefly press SOS button cover to open.
- ▶ Press SOS button (for longer than 2 seconds).

The indicator lamp in the SOS button will flash until the emergency call is concluded.

- ▶ Wait for a voice connection to the Response Center.
- ▶ Close cover after the emergency call is concluded.

**i** During the emergency call message “Emergency Call Activated” is displayed, operation from COMAND is not possible.

For a complete description and additional information on Emergency calls please refer to the vehicle Operator's Manual.

### Roadside Assistance

The Roadside Assistance button  is located in the overhead control panel.



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- ▶ Press and hold Roadside Assistance Button  (for longer than 2 seconds).  
A call to a Mercedes-Benz Roadside Assistance dispatcher will be initiated. The button will flash while the call is in progress.
- ▶ Describe the nature of the need for assistance.

For a complete description and additional information on Roadside Assistance calls please refer to the vehicle Operator's Manual.

### Information calls

The Information button  is located in the overhead control panel.



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- ▶ Press and hold Information button  (for longer than 2 seconds).  
A call to the Customer Assistance Center will be initiated. The button will flash while the call is in progress.
- For a complete description and additional information on Information calls please refer to the vehicle Operator's Manual.



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## Overview

### Overview

### Operating Safety

#### **Warning**

Please devote your attention first and foremost to the traffic situation you are in. While the system permits hands-free phone operation, attention to traffic may be diverted not only by physical operation of a phone, but also by the distraction of a phone conversation while driving. As such, for safety reasons, we encourage the driver to stop the vehicle in a safe place before answering or placing a phone call.

For safety reasons, you should only select a destination when the vehicle is stationary.

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

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

Traffic regulations always have priority over any route recommendations given.

Bear in mind that at a speed of just 30 mph (approximately 50 km/h), your vehicle is covering a distance of 44 feet (approximately 13.5 m) every second.

#### **Warning**

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

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

#### **Warning**

Please do not use the Voice Control System in an emergency, as the tone of your voice may change in a stressful situation. This could cause a delay in completing your phone call in a timely manner. This could distract you in an emergency situation and cause you to be involved in an accident.

### Symbols only used in this chapter

The following symbols indicate:

-  that you have to say something
-  that there is a voice output from the voice control
-  that the system shows information on the display.

### Usage

You can use the voice control system to operate the following systems depending on the equipment in your vehicle:

- Phone
- Navigation
- Address book
- Audio (radio, satellite radio\*, DVD changer, memory card, music register)

Say the commands without pausing between individual words. If you enter a command that does not exist or is incorrect, the voice control system asks you for a new command with “*Please repeat*” or “*Please repeat your entry!*”.

The voice control confirms important commands to you and gives you instructions in the event of incorrect entries.

### Command types

Voice control distinguishes between the following types of command:

- **Global commands:**  
These are commands which can be called up at any time (e.g. help or phone commands).
- **Local commands:**  
These are commands which are only available for the active application (e.g. “Enter destination” during navigation).

### Active application

The local commands refer to the application currently shown on the display and to the audio source you are currently listening to.

For example, if you are listening to the radio while the navigation application is active on the display, you can operate both applications using voice control.

To operate a different function using voice control, you must first switch to that application using the corresponding command.

### Operation using the multi-function steering wheel



①		Activates voice control
②		Cancels voice control
③		Decreases the volume
		Increases the volume
		Mute

**i** You can cancel the dialog with voice control at any time.

Voice control is operational around half a minute after COMAND is switched on.

### Starting the dialog

- ▶ Switch on the ignition (see the vehicle Owner's Manual).
- ▶ Press the button.  
An acoustic signal confirms that the dialog has been started.
- ▶ Give a command.

### Interrupting the dialog

If a list appears on the display, you can use the “Pause” command to interrupt the dialog. You can then select an entry using the COMAND controller.

To resume the dialog with voice control, press the button on the multifunction steering wheel.

## Overview

### Canceling the dialog

- ▶ Press the  button.
- or
- ▶ Say the command “Cancel” (except when creating and storing voice tags, navigation entries or during individualization).
- or
- ▶ Press any button on COMAND.

### Adjusting the volume

- ▶ Start the dialog.
  - ▶ Give a command, e.g. “Help”.
  - ▶ Press the  or  button.
- The volume increases or decreases during voice output.
- or
- ▶ Set the volume for the voice output on the volume control for COMAND.

### Display messages

The audible help function can be supplemented by visual help on the display (▷ page 167). If the help function is switched on, the most important commands that are currently possible appear in the display when you start the dialog.

In the address book and navigation system, a selection list is shown in the display if voice control requires additional information from you.



① Display

### Entering numbers

- Digits from “zero” to “nine” are permitted.
- Say the phone number in groups of three to five digits.

### Spell

- The letters of the alphabet and the numbers 0 - 9 are permitted.
- Say the letters in groups of five to seven letters.
- Say each individual letter clearly.

**i** Using individualization, you can fine-tune voice control to your own voice and thus improve voice recognition. The process of individualization is described in chapter “System Settings” (▷ page 167).

**i** If you use individualization, it may impair recognition of other users. Switch off individualization if it makes recognition of other users worse.

## Phone operation

 **Warning**

Some jurisdictions prohibit the driver from using a cellular telephone while driving. Whether or not prohibited by law, for safety reasons, the driver should not use the cellular telephone while the vehicle is in motion. Stop the vehicle in a safe location before placing or answering a call.

If you nonetheless choose to use the mobile phone while driving, please use the hands-free feature and be sure to pay attention to the traffic situation at all times. Use the mobile phone only when road, weather and traffic conditions permit. Otherwise, you may not be able to observe traffic conditions and could endanger yourself and others.

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

 **Warning**

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 system, possibly resulting in an accident and/or personal injury.

## Operation

You can use voice control to:

- place a call by using your voice to input a phone number
- store names and numbers in the address book
- dial a number from the address book
- listen to the phone book
- retrieve and manage your voice mail and recorded announcement services
- redial

Voice control recognizes whether:

- your phone is switched on
- your phone is connected via Bluetooth
- the car phone is registered with the relevant mobile phone network
- it is possible to dial
- the PIN has been entered

If it is not possible to dial, voice control issues a message to this effect.

 *You can still operate your phone using the keypad.*

## Phone operation

### Commands

#### “Phone”

Use the “*Phone*” command to select the phone application. Use this command if you wish the digits entered to be shown on the display.

#### “Help Phone”

Voice control has an extensive help function. Using the “*Help Phone*” command, you can have all the essential commands for the phone read out (▷ page 201).

#### “Enter PIN”

Use the “*Enter PIN*” command to input the PIN code (Personal Identification Number) for your phone. To do this, the phone must be connected via Bluetooth. When you have given the command, voice control prompts you to enter the PIN code.

Say the PIN code in the form of a continuous string of digits or as blocks of digits, e.g. three to five digits.

Digits 0 to 9 are permitted. Voice control repeats the digits it recognizes after each block of digits (with a pause of approxi-

mately half a second between each block of digits) and waits for you to continue speaking.

Example of dialog:



Enter PIN



Please say the PIN code



Zero one three three



Zero one three three



Okay

 *The card is blocked if you enter the wrong code three times in a row. Use the PUK (personal unblocking key) to unblock the card.*

You can only enter the unblocking code via the phone keypad – see the phone operating instructions.

#### “Dial number”

You can use the “*Dial number*” command to dial a phone number.

The digits 0 - 9 and the word “*Plus*” are permitted.

“*Plus*” replaces the international dialing code, e.g. “*00*”.

Say the phone number in the form of a continuous string of digits or as blocks of digits, e.g. three to five digits.

Voice control repeats the digits it recognizes after each block of digits (with a pause of about half a second between each block of digits) and waits for you to continue speaking.

Example of dialog:



Dial number



Please say the number



Zero one three zero



Zero one three three



Five zero zero five



Five zero zero five



Okay



Dialing number.



*You can also dial the specified number if you press the  button on the multi-function steering wheel instead of the concluding command “*Okay*”.*

**“Confirm”**

While you are entering a number, you can use the “*Confirm*” command to have all the spoken digits repeated by voice control. Voice control will then prompt you to continue with the entry.

Example of dialog:

-  Dial number
-  Please say the number
-  Zero one three zero
-  Zero one three zero
-  Confirm
-  Zero one three zero. Please continue
-  Five zero zero five
-  Five zero zero five
-  Okay
-  Dialing number.

**“Correction”**

While you are entering a number, you can use the “*Correction*” command to correct the block of digits last spoken. When you input this command, voice control deletes the last block of digits and repeats the digits input up to this point. Voice control will then prompt you to continue with the entry.

Example of dialog:

-  Dial number
-  Please say the number
-  Zero one three zero
-  Zero one three zero
-  Five zero zero five
-  Five zero nine five
-  Correction
-  Zero one three zero. Please continue
-  Five zero zero five
-  Five zero zero five
-  Okay
-  Dialing number.

**“Delete”**

While you are entering a number, you can use the “*Delete*” command to delete all the digits which have been entered. After you have input this command, voice control prompts you to enter additional digits or commands.

Example of dialog:

-  Dial number
-  Please say the number
-  Zero one three zero
-  Zero one three zero
-  Five zero zero five
-  Five zero zero five
-  Delete
-  Number deleted, please say the number again:
-  Zero three seven three
-  Zero three seven three
-  Three nine one
-  Three nine one
-  Okay
-  Dialing number.

## Phone operation

### “Save name” (address book)

(▷ page 192)

### “Dial name” (address book)

(▷ page 192)

### “Delete name” (address book)

(▷ page 193)

### “Find name” (address book)

(▷ page 193)

### “List phone book” and dialing a phone number

You can use the “*List phone book*” command to listen to all entries in the phone book in which a phone number is also stored and, if required, select an entry.

Example of dialog:

 List phone book

The system reads out all the address book entries with phone numbers.

- ▶ To select a name and number: press the  button at the selected entry.

If there is more than one phone number for an entry, voice control queries this.

 Do you want to make a work call or a home call?

 Home call

- ▶ To cancel the dialog: press the  button.

The system confirms by responding “*Cancel*”.

You have cancelled the dialog.

### “Redial”

You can use the “*Redial*” command to redial the number most recently called.

### Managing announcement services or voice mail

You can also use voice control to manage your voice mail or recorded announcement services.

- ▶ Press the  button while a phone call is in progress.

An acoustic signal confirms that the system is activated.

- ▶ Say the required digits (“*zero*” to “*nine*”).

or

- ▶ Say the required words “*Star*” or “*Hash*”.

- ▶ Say the concluding command “*Okay*”.  
The system dials the number entered.

## Navigation

 **Warning**

For safety reasons, you should only select a destination when the vehicle is stationary. While the navigation system provides directional assistance, the driver must remain focused on safe driving behavior, especially attention to traffic and street signs, and should utilize the system's audio cues while driving.

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

Traffic regulations always have priority over any route recommendations given.

Bear in mind that at a speed of just 30 mph (approximately 50 km/h), your vehicle is covering a distance of 44 feet (approximately 13.5 m) every second.

 **Warning**

During route guidance, you will not receive information on:

- traffic lights
- stop and yield signs
- parking or stopping zones
- one-way streets
- narrow bridges, or
- other traffic regulation data.

You should therefore always strictly observe traffic regulations while driving. Drive carefully and always obey traffic laws and road signs, even if they contradict navigation system instructions.

 **Warning**

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

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

 **Warning**

Please do not use the Voice Control System in an emergency, as the tone of your voice may change in a stressful situation. This could cause a delay in completing your phone call in a timely manner. This could distract you in an emergency situation and cause you to be involved in an accident.

## Navigation

### Operation

You can use voice control to:

- enter a state
- enter a province
- enter a city
- enter a district (center)
- enter a street
- enter a house number
- enter an entire address
- enter a zip code
- find address
- enter a point of interest
- select one of your previous destinations
- call up route information
- store a destination
- display the map
- enlarge/reduce the size of the map
- listen to the destination memory
- start and stop route guidance
- switch the guidance instructions on and off

- ▶ To select the navigation application press the  button on the multi-function steering wheel.
- ▶ Give the “Navigation” command.
- ▶ Press the  button.
- ▶ Give one of the navigation commands explained below.

### Commands

You cannot start the route guidance until all the necessary address data has been entered.

### “Help navigation”/“Help”

Using the “Help navigation” command, you can have all the essential commands for the navigation system read out.

### Entering an address

 If voice control fails to recognize your entry, it is advisable to spell the name of the town and street. Spell names of towns and streets when abroad.

The system guides you completely through the dialog to route guidance. As soon as a valid address is entered (at least the town), you can use the “Start route guidance” command to start the route guidance.

### “Enter state”/“Enter province”

You can use the “Enter state”/“Enter province” command to change the state or province setting of the navigation system.

Example of dialog:



Enter state



Please enter the name of the state.



The system shows a numbered list of possible state names on the display. If there is only one entry on the list, voice control asks if it is correct.



Please select a line number.



Line number 1 ...



Line number 1 accepted.

### “Enter destination”

You can use the “*Enter destination*” command to enter a complete address.

The system guides you through the whole dialog. As soon as a valid address is entered (at least the town), you can use the “*Start route guidance*” command to start the route guidance.

Example of dialog:

-  Enter destination
-  Do you want to enter street first or town first?
-  Town
-  Please say the name of the town
-  Albany
-  Loading list of towns
-  The system shows a numbered list of possible city names on the display. If there is only one entry on the list, voice control asks if it is correct.
-  Please select a line number.
-  Line number 1 ...
-  Line number 1 accepted.
-  Would you like to enter a street?

-  Yes
-  Please say the name of the street
-  Park Avenue
-  Loading list of streets
-  The system shows a numbered list of possible street names on the display. If there is only one entry on the list, voice control asks if it is correct.
-  Please select a line number.
-  Line number 1 ...
-  Line number 1 accepted.
-  Would you like to enter a house number?
-  No
-  Would you like to start route guidance?
-  Yes
-  Starting route guidance

The system stores the selected destination and starts route guidance.

If you give one of the following commands, the system guides you through the dialog to route guidance.

### “Enter town”

You can use the “*Enter town*” command to enter any town in the state or province that is currently selected.

 *If the city you require does not appear in the list or the system fails to recognize the name of the town, it can be entered by using the “Spell town” command.*

 *You can use the “Next page” or “Previous page” commands to scroll through the list. You can use the “Correction” command to enter the name of the town again.*

## Navigation

### Example of dialog:

-  Enter town
-  Please say the name of the town
-  Albany
-  Loading list of towns
-  The system shows a numbered list of possible town names on the display
-  Please select a line number.
-  Line number 1 ...
-  Line number 1 accepted.

The town is stored for route guidance.

### “Spell town”

Using the “*Spell town*” command, you can spell any town. This may be necessary if certain town or street names are not recognized.

Say the letters in the form of a continuous string of letters. In the case of long names, it is not always necessary to spell the whole name. Usually only the first five to seven letters are required. A list of city names will appear in the display and you can choose the one you require.

Say each individual letter clearly.

It is not easy to avoid confusion of similar-sounding letters (e.g. D and E).

### Example of dialog:

-  Spell town
-  Please spell the town
-  F-R-E-N-S-
-  Loading list of towns
-  The system shows a numbered list of city names on the display
-  Please select a line number.
-  Number three
-  Number three accepted

The town is stored for route guidance.

 *You can use the “Next page” or “Previous page” commands to scroll through the list. You can use the “Correction” command to spell the town again from the beginning.*

 *Note that the list in the display is sorted according to the probability of voice recognition.*

### “Enter district” (center)

You can use the “*Enter district*” command to enter an area in a city which you have selected previously.

### Example of dialog:

-  Enter district
-  Please say the name of the district.
-  Manhattan
-  The system shows a numbered list of districts in the display if the selected city has more than one district.
-  Please select a line number.
-  Line number 1 ...
-  Line number 1 accepted.

The district is stored for route guidance.

### “Enter Street”

You can use the “*Enter Street*” command to enter the name of any street in the selected city.

 *If only a few streets are stored for a selected town, they will be displayed for selection immediately after you give the “Enter Street” command.*

**Example of dialog:**

-  Enter Street
-  Please say the name of the street
-  Mabel's Street
-  The system shows a numbered list of street names on the display
-  Please select a line number.
-  Number three
-  Number three accepted

The street name is stored for route guidance.

**“Correction”**

If you have entered or spelled a city or street, you can use the “*Correction*” command to enter the city or street again or spell it from the beginning.

**“House number”**

You can use the “*House number*” command to specify the house number for the selected street in individual digits.

**Example of dialog:**

-  House number
-  Please say the house number in single digits
-  Three four
-  Three four
-  Okay

The house number is stored for route guidance.

**“Point of interest” (POI)**

You can use the “*Point of interest*” command to select specific destinations (filling stations, airports, stations, etc.).

**Example of dialog:**

-  Point of interest
-  The system shows the following list in the display:
  - 1 Current position
  - 2 Other town
-  Please select a line number.
-  Line number 1 ...
-  Line number 1 accepted.

-  The system shows a numbered list of POI categories
-  Please select a line number or say the category name
-  Line number 5 ...
-  Number 5 accepted
-  The system shows a numbered list with destinations from the selected category
-  Please select a line number.
-  Line number 1 ...
-  Line number 1 accepted.

The specific destination which has the number one is stored for route guidance.

 *Depending on the selected area, other lists may be shown.*

You can only select points of interest in the state or province the navigation system is set for.

## Navigation

### Selecting next point of interest

You can use the following commands to select nearby points of interest.

- “Next gas station”
- “Next car park”
- “Next Mercedes-Benz Service”
- “Next restaurant”
- “Next hospital”

### Example of dialog:

-  Next gas station
-  The system shows a numbered list of gas stations on the display
-  Please select a line number.
-  Line number 1 ...
-  Line number one accepted. Would you like to start route guidance?
-  Yes

The route guidance for this point of interest is started.

or

-  No
-  Do you want to save the destination?

-  Yes

The dialog continues as shown in the section “Save destination”

### “Last destinations”

You can use the “Last destinations” command to reselect a destination from a list of the previously selected destinations.

### Example of dialog:

-  Last destinations
-  The system shows a numbered list of the previously selected destinations
-  Please select a line number.
-  Line number 1 ...
-  Line number one accepted. Would you like to start route guidance?
-  Yes

The route guidance for this destination is started.

### “Save destination”

You can use the “Save destination” command to save the current destination in the address book by means of a voice tag.

 If the desired voice tag already exists in the address book, the system asks if you want to add the address.

### Example of dialog:

-  Save destination
-  Please say the name.
-  Smith
-  Please repeat the name.
-  Smith
-  Where would you like to save: home or work?
-  Work
-  The destination has been saved.

### “Find address”

You can use the “*Find address*” command to select a previously saved address and start route guidance.

#### Example of dialog:

 Find address  
 Please say the name.

 Smith

 The system shows a numbered list of saved addresses in the display

 Please select a line number.

 Line number 1 ...

 Line number 1 accepted.

 Starting route guidance

### “Start route guidance”

You can use the “*Start route guidance*” command to start route guidance once a valid destination has been entered.

 Start route guidance

 Starting route guidance

### “Route information”

You can use the “*Route information*” command to have the following information on your currently planned route read out:

- Distance to destination
- Remaining driving time
- Expected arrival time

### “Guidance instructions on”

When you use the “*Guidance instructions on*” command, voice control repeats the last driving tip. If the driving tip output has been switched off up to this point, it is now switched on again.

### “Guidance instruction off”

You can use this command to switch off the route guidance voice output.

### “Cancel route guidance”

You can use this command to stop route guidance.

#### Example of dialog:

 Cancel route guidance

 Are you sure you want to cancel route guidance?

 Yes

 Cancelling route guidance

Voice control cancels route guidance.

or

 No

 Continuing route guidance.

The dialog with voice control is terminated. Route guidance remains activated.

### “Zoom in/out”

You can use these commands to zoom the map display one step in or out.

### “Zoom in/out completely”

You can use these commands to set the map display directly to the smallest or largest scale.

### Navigation

#### “List destination memory”

You can use the “*List destination memory*” command to listen to the entries from the address book’s destination memory and, if required, navigate to one of them.



List destination memory

The system reads out all entries, from the address book destination memory.

- ▶ **To select an entry and set an address:** press the  button at the selected entry.



If there is more than one address, the system asks “*Navigate to: home or work?*”



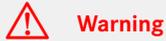
Home

The system starts route guidance

- ▶ **To cancel the dialog:** press the  button.

You have cancelled the dialog. The system confirms by responding “*Cancel*”.

## Address book



### Warning

Please devote your attention first and foremost to the traffic situation you are in.

Before your journey, please familiarize yourself with the address book functions.

Only use the Voice Control System when road and traffic conditions permit you to do so. Otherwise you could be involved in an accident in which you or others could be injured.

## Overview

The address book gives you the option of storing information about people in the form of entries.

Using voice control, you can dial a phone number stored in the address book or start route guidance for a stored address.

Apart from the speaker-dependent voice tags stored in the address book, voice control can recognize all the entries in the name fields of the address book. Recognition of the entries in the address book de-

pends on the text that was entered. To make a call you must say the text of the entry.

Check the address book entries for the following:

- The name entries, e.g. last name and first name, are in the right fields.
- Do not use abbreviations or acronyms.
- Avoid unnecessary spaces in names.
- Do not use special characters.

You can improve voice recognition by saving a speaker-dependent voice tag for address book entries.

Use a speaker-dependent voice tag:

- for names which are difficult to pronounce
- to distinguish names which sound similar
- for names which are not pronounced as they are written

Voice control can store up to 50 of these address book entries by means of a speaker-dependent voice tag.

## Operation

You can use voice control at any time to:

- save a name
  - select a name
  - delete a name
  - list the address book
  - delete the address book
  - open the address book
  - open an entry from the address book
  - list the phone book
  - list the destination memory
- ▶ **To open the address book:** press the  button on the multi-function steering wheel.
- ▶ Give the “*Address book*” command.
- ▶ Press the  button.
- ▶ Give one of the address book commands explained below.

## Address book

### Commands

#### “Address book”

- ▶ **To open the address book:** say the command “*Address book*”.

#### “Help address book”

Using the “*Help address book*” command, you can have all the essential commands for the address book read out.

#### “Save name”

Use the “*Save name*” command to save a phone number with a voice tag for a specific speaker. Use this command for a name which is complicated or which is pronounced differently than it is spelled, for example, because it is a foreign name. When you have given the command “*Save name*”, voice control prompts you to enter a phone number.

The digits 0 - 9 and the word “*Plus*” are permitted.

“*Plus*” replaces the international dialing code, e.g. “00”.

Say the phone number in the form of a continuous string of digits or as blocks of digits, e.g. three to five digits.

Voice control repeats the digits it recognizes after each block of digits (with a pause of about half a second between each block of digits) and waits for you to continue speaking.

When you have given the command “*Okay*”, voice control prompts you two or three times to say the name. When repeating the name, make sure that you pronounce it in exactly the same way as you did the first time. Otherwise, the name cannot be saved and voice control aborts the saving procedure.

Example of dialog:

-  Save name
-  Please say the number
-  Zero one three zero
-  Zero one three zero
-  Five zero zero five
-  Five zero zero five
-  Okay
-  Please say the name.
-  Smith
-  Please repeat the name.
-  Smith

-  Would you like to save the number in a category?

-  No

-  Name and number saved

#### “Dial name”

You can use the “*Dial name*” command to place a call by selecting a name from your address book. You can choose either a voice tag or say a name entry.

Only say the surname if only the surname is entered in the address book.

Say the surname first and then the first name if both are entered in the address book.

Example of dialog:

-  Dial name
-  Please say the name.
-  Smith

If there is more than one phone number for an entry, voice control queries this.

-  Do you want to make a work call or a home call?  
or  
Please select a line number

 Work

 Smith work. Dialing number.

### “Find name”

Use the “*Find name*” command to search for a name in the address book. Voice control then asks what action you want it to perform: for example call the selected number, start route guidance to the saved address or open the entry.

### “Find address”

(▷ page 189)

### “Delete name”

Use the “*Delete name*” command to delete a voice tag from your address book.

#### Example of dialog:

 Delete name

 Please say the name.

 Smith

 Do you want to delete Smith?

 Yes

 The voice tag has been deleted

### “List address book”

You can use the “*List address book*” command to listen to all names and voice tags in the address book. You can select an entry during this.

If no name is entered in the name field of the address book, the phone number or the address is read out. A name can be entered later in the name field.

#### Example of dialog:

 List address book

The system reads out all address book entries. If there is a large number of entries, the system asks from which entry it should start the reading.

 *If you do not say a name, voice control reads out all address book entries.*

▶ **To select an address book entry:** press the  button at the selected entry.

The entry is selected and shown on the display. Voice control asks whether the selected entry should be called, navigated to or opened.

▶ **To cancel the dialog:** press the  button.

You have cancelled the dialog. The system confirms by responding “*Cancel*”.

### “List phone book” and dialing a phone number

(▷ page 182)

### “Delete address book”

You can use the “*Delete address book*” command to delete individual voice tags or all the voice tags in the address book. The address data is not deleted.

## “Find entry”

You can use the “*Find entry*” command to open any address book entry.

### Example of dialog:



Find entry



Please say the name.



Smith



The system shows a numbered list in the display.



Please select a line number.



Line number 1 ...



Line number 1 accepted.

The system opens the first entry on the list.

If the selected entry contains at least one phone number or an address, voice control asks whether you want to dial the number or navigate to the stored address.

## “Spell entry”

You can use the “*Spell entry*” command to open any address book entry by spelling the name.

Say the letters in the form of a continuous string of letters (five to seven letters).

A list of possible entries will appear in the display and you can choose the one you require.

### Example of dialog:



Spell entry



Please spell the name.



S-M-I-T-H



The system shows a numbered list in the display.



Please select a line number.



Number four



Number four accepted

The system opens the fourth entry on the list.

If the selected entry contains at least one phone number or an address, voice control asks whether you want to dial the number or navigate to the stored address.

 You can use the “*Next page*” or “*Previous page*” commands to scroll through the list. You can use the “*Correction*” command to spell the name again.

## Radio and Satellite Radio\*

## Radio and Satellite Radio\*

**Warning**

Please devote your attention first and foremost to the traffic situation you are in.

Before your journey, please familiarize yourself with the radio functions.

Only use the Voice Control System when road and traffic conditions permit you to do so. Otherwise you could be involved in an accident in which you or others could be injured.

**Operation**

You can use voice control to:

- select the waveband
- find a station
- select a frequency (FM, AM)
- select a category (Satellite radio)
- listen to the station list
- save a voice tag for a station
- delete a station list (voice tags only)
- delete a station (voice tag only)
- select a channel number (Satellite radio)

The names of all received and stored stations are available for voice recognition. To improve voice recognition, you can store a voice tag for a specific speaker.

- ▶ **To select the radio or satellite radio application:** press the  button on the multi-function steering wheel.
- ▶ Say the command “Radio” or “Satellite Radio”.
- ▶ Press the  button.
- ▶ Say one of the radio or satellite radio commands explained below.

**Commands**

You can always give the commands for the radio when you are listening to the radio, even if a different application is shown on the display.

**“Help Radio”**

Using the “Help Radio” command, you can have all the commands for the radio read out.

**“Help Satellite Radio”**

Using the “Help Satellite Radio” command, you can have all the commands for the satellite radio read out.

**Selecting a waveband**

You can set the waveband with the following commands:

- “FM”
- “AM”

**“Next station”/“Previous station”**

You can start manual tuning and set the next station using the following commands:

- “Next station”
- “Previous station”

**“Next category”/“Previous category”**

You can use the following commands to change the category on satellite radio:

- “Next category”
- “Previous category”

### Radio and Satellite Radio\*

#### Selecting the frequency (FM range)

You can select frequencies within the FM range (87.5 to 108.0 MHz) directly. Voice control also recognizes the words “*frequency*”, “*point*” and “*megahertz*”.

#### Example of dialog:

 Eighty seven point five megahertz

 Voice control sets the frequency.

#### Selecting the frequency (AM range)

You can select frequencies within the AM range (530 to 1710 kHz) directly. Voice control also recognizes the words “*frequency*” and “*kilohertz*”.

#### Example of dialog:

 Five hundred and ten kilohertz

 Voice control sets the frequency.

#### “Save station”

Using the “*Save station*” command you can give a voice tag to the station currently selected. You can also use this command to improve voice recognition for difficult names or if you want to use a name of your own. You could, for example, save a station with the name “*Favorite station*”.

When you have given the command, voice control prompts up to three times to say the station name. When repeating the station name, make sure that you pronounce it in exactly the same way as you did the first time. Otherwise, the name cannot be saved and voice control aborts the saving procedure.

#### Example of dialog:

 Save station

 Please say the station name

 Favorite station

 Please repeat the station name.

 Favorite station

 The station has been saved.

#### “Select station”

Using the “*Select station*” command, you can select a saved station.

#### Example of dialog:

 Select station

 Please say the station name

 Favorite station

 Voice control sets the station

#### “Station Favorite station”

Using this command, you can select a saved station.

#### Example of dialog:

 Favorite station

 Voice control sets the station

#### “Select category” (Satellite radio)

Using the “*Select category*” command, you can select an available category.

#### Example of dialog:

 Select category

 Please say the category name

 News

 Voice control sets the category

#### “Category News” (Satellite radio)

Use this command to select a satellite radio category.

#### Example of dialog:

 Category news

 Voice control sets the category

## Radio and Satellite Radio\*

**“Enter channel number”  
(Satellite radio)**

Use the command “*Enter channel number*” to select a satellite radio category.

**“List station list” and selecting a station**

Using the “*List station list*” command, you can hear a list of all receivable stations and choose one from your station list.

 If voice control does not recognize the station name, have it read out the list of stations. This allows you to check whether you have saved the station you require in the station list.

**Example of dialog:**

 List station list

The system reads out the station list.

If the station you require is read out:

▶ Press the  button.

The system sets the corresponding frequency.

▶ **To cancel the dialog:** press the  button.

You have cancelled the dialog. The system confirms by responding “*Cancel*”.

**“Delete station”**

You can use the “*Delete station*” command to delete a voice tag for a station from your station list.

**Example of dialog:**

 Delete station

 Which station would you like to delete?

 Favorite station

 Do you want to delete “*Favorite station*”?

 Yes

 Station deleted.

**“Delete station list”**

You can use the “*Delete station list*” command to delete all voice tags or individual ones from your station list.

**Example of dialog:**

 Delete station list

 Would you like to delete all voice tags from the station list?

 Yes

 Are you sure?

 Yes

 All voice tags have been deleted from the station list

 The system permanently deletes all voice tags in the station list.

or

 No

The system reads out the list of stations.

When the system reads out the stations to be deleted:

▶ Press the  button.

The station to be deleted is selected.

The system reads out the selected station again.

 Do you want to delete “*Favorite station*”?

 Yes

 Station deleted

 The system deletes the station and reads out the remaining entries in the station list.

or

 No

The system continues to read out the list of stations.

## DVD changer

### DVD changer



#### Warning

Please devote your attention first and foremost to the traffic situation you are in.

Before your journey, please familiarize yourself with the radio functions.

Only use the Voice Control System when road and traffic conditions permit you to do so. Otherwise you could be involved in an accident in which you or others could be injured.

### Operation

You can use voice control to:

- select a CD/DVD
- select a track
- select a directory in MP3 operation
- select a group in Audio DVD operation

 *On the command “Next/previous CD/DVD”, the DVD changer changes from one CD/DVD to the next, skipping any empty compartments. If you select an empty compartment with the “CD/DVD 1 to CD/DVD 6” command, the current compartment remains selected.*

- ▶ **To select the CD application:** press the  button.
- ▶ Say one of the following commands:
  - “CD player/CD changer”
  - “DVD audio”
  - “DVD video”
  - “MP3”
- ▶ Press the  button.
- ▶ Give one of the CD or DVD commands explained below.

### Commands

#### “Help CD”/“Help DVD”/“Help MP3”

With the commands:

- “Help CD”
- “Help DVD audio”
- “Help DVD video”
- “Help MP3”

you can have all the commands for the CD, DVD or MP3 read out.

#### “Next CD/DVD”

With the “Next CD”/“Next DVD” commands, you can select the next audio CD/DVD from your DVD changer.

#### “Track 1” to “Track 99”

With the “Track 1” to “Track 99” commands, you can select a track number from the inserted CD/DVD.

#### “Next track”

You can use the “Next track” command to select the next track.

#### “Previous track”

With the “Previous track” or “Repeat track” commands, you can have the track just played repeated. If the command is spoken as the first few seconds of the track are played, the previous track is selected.

#### “Group 1” to “Group 9”

With the “Group 1” to “Group 9” commands, you can select a group on an inserted audio DVD.

### “Next group”/“Previous group”

With the “*Next group*”/“*Previous group*” commands, you can select the next or previous group on the inserted audio DVD.

### “Next folder”/“Previous folder”

With the “*Next folder*”/“*Previous folder*” commands, you can select a folder on the inserted CD/DVD in MP3 mode.

### “Memory card”

With the “*Memory card*” command, you can switch to the PCMCIA card on the COMAND system.

### “DVD video”

With the “*DVD video*” command, you can start a video DVD on the COMAND system.

### “Hard disk”

With the “*Hard disk*” command, you can change to the internal hard disk (Music Register) of COMAND.

### External equipment (AUX)

#### Audio aux

You can use the “*Audio Aux*” command to activate the aux input.

## Command list

### Command list

In the Command list section, you will find all the main commands for operating voice control. The commands available to you depend on the vehicle's equipment.

 *Some functions have several voice commands to facilitate operation. These are grouped together between the separator lines in the list and can be used interchangeably.*

### General commands

- Yes
- Correct
- Okay
- Cancel
- No
- Pause
- Address book
- MP3
- CD changer
- CD

- Navigation
- Route guidance
- Nav
- DVD video
- DVD audio
- Radio
- Satellite radio / Sirius\*
- Phone
- Messages
- Video
- Correction
- Wrong
- Incorrect
- Help
- Help functions
- Help devices
- Help voice control [system]
- Help voice control/voice control help
- General help
- 0 - 9
- Letters of the alphabet

- Continue
- Go forward
- Next page
- Previous page
- Go back
- Back
- Help radio
- Help phone/help telephone
- Help address book
- Help CD changer
- Help DVD
- Help DVD changer
- Help DVD audio
- Help DVD audio changer
- Help MP3
- Help MP3 changer
- Help navigation
- Help route guidance
- Help nav

**Phone commands**

- Phone
- Telephone on/phone on
- Save
- Save PIN/PIN code
- Save name
- Save number
- Save phone number
- Dial PIN
- Dial PIN code
- Dial PIN number
- Dial number
- Dial phone number
- Confirm
- Confirm PIN
- Confirm PIN code
- Confirm PIN number
- Confirm number
- Confirm phone number
- Enter PIN
- Enter PIN code
- Enter PIN number
- List phone book
- Read out phone book
- Redial
- Redial last number
- Redial last phone number
- Correction
- Incorrect
- Wrong PIN
- Wrong PIN code
- Wrong PIN number
- Wrong number
- Wrong phone number
- Delete
- Delete PIN
- Delete PIN code
- Delete PIN number
- Delete name
- Delete phone number

## Command list

### Navigation commands

- Navigation
- Route guidance
- Nav
- Guidance instructions on
- Switch guidance instruction/instructions on
- Switch route guidance instruction/instructions on
- Listen to guidance instruction/instructions
- Guidance/route guidance instructions off
- Switch off guidance/route guidance instructions
- Mute guidance/route guidance instructions
- House number
- Enter house number
- Map
- Show map
- Map on/switch on map
- Zoom in
- Zoom in on map

- Zoom out
- Zoom out of map
- Zoom out completely
- Zoom in completely
- Enter state
- Change state
- Enter province
- Change state
- Enter destination area
- Another state
- Last destinations
- Enter town
- Enter name of town
- Spell town
- Spell name of town
- District
- Enter district
- Center
- Enter center

- Spell district
- Spell center
- Point(s) of interest/POI(s)
- Enter point(s) of interest/POI(s)
- Street
- Enter street
- Name of street
- Enter name of street
- Spell street
- Spell name of street
- Enter destination
- Save destination
- Save address
- Start route guidance/routing/destination guidance
- Begin route guidance
- Begin destination guidance
- Continue route guidance/destination guidance

- Cancel route guidance/navigation/nav/destination guidance
- Exit route guidance/navigation/nav/destination guidance
- Stop route guidance/navigation/nav/destination guidance
- Terminate route guidance/navigation/nav/destination guidance
- Next gas station
- Next Mercedes-Benz Service
- Next workshop
- Next MB service
- Next hospital
- Next car park
- Next restaurant

**Address book commands**

- Address book
- List address book
- Read out/play address book
- Delete address book
- Spell entry
- Spell name
- Find entry
- Delete name
- List destination memory
- Read out/play destination memory
- <voice\_name\_tu>
- <voice\_name\_ad> car
- <voice\_name\_ad> car phone
- <voice\_name\_ad> landline
- <voice\_name\_ad> landline phone
- <voice\_name\_ad> landline phone
- <voice\_name\_ad> mobile
- <voice\_name\_ad> mobile phone
- <voice tag> mobile phone
- <voice tag> work

- <voice\_name\_ad> home
- Work
- Office
- Company/business
- Car
- Car phone
- Landline
- Landline phone
- Landline phone
- Mobile
- Mobile phone
- Work car
- Work car phone
- Car phone work/office/business/company
- Work/office/business/company/landline
- Work/office/business/company/landline telephone/phone
- Landline telephone/phone work/office/business/company

## Command list

- Work/office/business/company/mobile
- Work/office/business/company/phone
- Mobile phone work/office/business/company
- Home
- Home car
- Home car phone
- Car phone home
- Home landline
- Home landline telephone/phone
- Landline telephone/phone home
- Home mobile
- Home mobile phone
- Mobile phone home
- Dial name
- Save name
- Save number
- Save telephone/phone number

- Accept
- Accept PIN
- Accept name
- Accept phone number
- Okay
- Finished
- <1> - <6>
- Select 1 - select 6
- Number 1 - number 6

## Audio and video commands

- Audio

### Radio

- Radio on
- 87.7 megahertz - 107.9 megahertz
- 87 point 7 to 107 point 9
- 87 point 7 megahertz to 107 point 9 megahertz
- Frequency 87.7 - frequency 107.9
- Frequency 87 point 7 - frequency 107 point 9
- Frequency 87 point 7 megahertz - frequency 107 point 9 megahertz
- FM
- AM
- Weatherband
- Next station
- Other station
- Station search
- Station <voice\_tag>
- Delete station

- Save station
- Select station
- List station list
- Read out station list
- Delete station list
- Previous station
- Last station

#### Satellite Radio\* (SIRIUS)

- Satellite Radio\* on/SIRIUS on
- Next channel
- Other channel
- Channel <voice\_tag>
- Delete channel
- Save channel
- Select channel
- List channel list
- Read out channel list
- Delete channel list
- Last channel
- Previous channel

- Next category
- Previous category
- Category <category name>
- Select category
- List category list
- Read out category list
- Previous category
- Last category

#### CD changer

- CD changer
- Next CD
- Other CD
- Previous CD
- Last CD
- Next track
- Other track
- Previous track
- Last track
- Repeat/replay track
- CD 1 to CD 6
- CD number 1 - CD number 6
- Track 1 - Track 99
- Track number 1 - Track number 99

## Command list

### MP3

- MP3
- MP3 changer (on)
- Next MP3
- Other MP3
- Previous MP3
- Last MP3
- Repeat/replay MP3
- Next directory
- Other directory
- Previous directory
- Last directory
- Next track
- Other track
- Previous track
- Last track
- Repeat/replay track
- Track 1 - Track 99
- Track number 1 - Track number 99
- MP3 1 - MP3 6
- MP3 number 1 - MP3 number 6

### Hard disk

- Hard disk
- Music register

### Memory card

- Memory card

### DVD audio

- DVD audio
- DVD audio changer on
- Next DVD audio
- Other DVD audio
- Previous DVD audio
- Last DVD audio
- Next directory
- Other directory
- Previous directory
- Last directory
- Next group
- Other group
- Previous group
- Last group
- Group 1 - 9
- Group number 1 - 9
- Next track
- Other track

- Previous track
- Last track
- Repeat/replay track

- Track 1 - Track 99
- Track number 1 - Track number 99

- DVD audio 1 - DVD audio 6
- DVD audio number 1 - DVD audio number 6

### AUX

- Audio aux

### Video

- Video
- DVD video

## Troubleshooting

### Troubleshooting

Problem	Possible cause/consequence	Suggested solutions
Voice control does not understand you.	You have not operated the system from the driver's seat.	▶ Only operate the system from the driver's seat.
Voice control does not understand you.	You have spoken too exaggeratedly, too loudly or too quietly.	▶ State the commands coherently and clearly without exaggerating.
Voice control does not understand you.	A blower is set to its highest setting or there is wind noise through an open window.	▶ Prevent loud noises from interfering.
An address book entry without a speaker-dependent voice tag is not recognized.	The fields in the address book entry for the last name and first name are both filled in, but you only said the first name or the last name.	▶ Say the last name and then the first name of the address book entry in full.
	The names entered in the address book do not sound sufficiently different, or are not pronounced as they are written.	▶ Make sure the address book entries are plausible. Check the address book entries for the following: <ul style="list-style-type: none"><li>• The name entries, e.g. last name and first name, are in the right fields.</li><li>• Do not use abbreviations or acronyms.</li><li>• Avoid unnecessary spaces in names.</li><li>• Do not use special characters.</li></ul>

Problem	Possible cause/consequence	Suggested solutions
An address book entry without a speaker-dependent voice tag is not recognized.	The names entered in the address book do not sound sufficiently different, or are not pronounced as they are written.	<ul style="list-style-type: none"> <li>▶ Create a speaker-dependent voice tag (▷ page 182).</li> <li>or</li> <li>▶ Give the “<i>List address book</i>” command. The system reads out the address book.</li> <li>▶ Press the  button when the name you want is read out.</li> </ul>
An address book entry with a speaker-dependent voice tag is not recognized.	The sound of the voice tags in the address book is not sufficiently different.	<ul style="list-style-type: none"> <li>▶ The voice tags entered in the address book must sound as different as possible, e.g. store the names White and Wright as “<i>Mr White office</i>” and “<i>Mr Wright John</i>”.</li> <li>or</li> <li>▶ Give the “<i>List address book</i>” command. The system reads out the address book.</li> <li>▶ Press the  button when the name you want is read out.</li> </ul>
A station list entry is not recognized.	The voice tags for the stations in the address book do not sound sufficiently different.	<ul style="list-style-type: none"> <li>▶ Save a speaker-dependent voice tag for the station (▷ page 196).</li> <li>or</li> <li>▶ Give the “<i>List station list</i>” command. The system reads out the station list.</li> <li>▶ Press the  button when the station you want is read out. The station is selected (▷ page 196).</li> </ul>

<b>Problem</b>	<b>Possible cause/consequence</b>	<b>Suggested solutions</b>
If you are making speaker-dependent voice tags, the system prompts you to enter them several times.	The two voice tags differ from each other.	▶ Say the voice tag with the same intonation both times.

### Help function

Voice control has a comprehensive help function to assist the user.

The voice control help function provides:

- general information about how best to operate voice control
- a list of the possible commands

### “Help voice control”

You can use the “*Help voice control*” command to obtain information about how best to operate voice control.

### “Help”

If you press the  button and say the command “*Help*”, you will receive help for the application currently selected.

If you select the “*Help*” command during a voice dialog, for example after the “*Dial number*” command, you will receive help explaining how the dialog continues.

You can also request the help function for a specific system, for example with the “*Help phone*” command.

If you have activated the help window, you will see a selection of the possible commands on the display (▷ page 167).



## AAC

(Advanced Audio Coding)

A means of compressing audio data which is subject to losses. Based on the MPEG2 standard.

## Bit

(Binary digit)

The smallest unit of digital information.

## Bit rate

Measurement of transmission speed. Indicates the number of ->bits transmitted per unit time.

## Bluetooth®

Wireless personal area networks that provide a way to connect and exchange information between devices such as mobile phones, laptops, PCs, etc. over a short-range radio frequency.

## CD

(Compact Disc)

Digital storage medium in disc format.

## CD-R

(CD Recordable)

Writeable ->CD-ROM.

## CD-RW

(CD Rewriteable)

CD which can be read, written and deleted.

## CD text

CD text is an extension of an audio CD, which contains text information such as title, artist and name of the individual pieces of music. ->COMAND displays this information on the corresponding screens if the selected audio CD contains this information.

## COMAND control system

(Cockpit Management and Data System)

Central information and operating unit for various vehicle functions, such as radio, DVD changer and other equipment, such as telephone, navigation system.

## Dolby Digital

Optional format for audio data on an DVD audio or DVD video.

## DTMF

(Dual Tone Multi-Frequency)

DTMF tones control answering machines or other devices, e. g. for remote queries.

## DTS

(Digital Theater Sound)

Optional format for audio data on an DVD audio or DVD video.

## DVD

(Digital Versatile Disc)

Digital storage medium in disc format for storing large data volumes, e.g. films.

## DVD+R

(DVD Recordable)

->DVD which can be read and written but not deleted.

## DVD+RW

(DVD Rewriteable)

->DVD which can be read, written and deleted.

## DVD-R

(DVD Recordable)

->DVD which can be read and written but not deleted.

## DVD-RW

(DVD Rewriteable)

->DVD which can be read, written and deleted.

## Geo-coordinates

Indicate the geographical position of a location on the earth's surface.

### **GPS**

(Global Positioning System)  
System for geographic position finding. Satellite signals can be compared by the receiver in the vehicle with a digital map (e.g. on CD-ROM) and then used for position finding and navigation.

### **Gracenote Media Database**

Media database that is stored on  
->COMAND's hard drive.

### **Gracenote® music recognition technology**

Music recognition software that is stored on ->COMAND's hard drive. If the selected audio CD does not contain any ->CD text, ->COMAND can recognise unknown audio tracks in CD audio mode with the aid of this software and depict this in corresponding displays.

### **GSM**

(Global System for Mobile  
Communications)

International transmission standard for mobile phones. This permits you to make phone calls with your mobile phone even when abroad. The transmission method is digital.

### **ID3 tag**

Additional information which may be included in MP3 files (e.g. track, artist, album).

### **ISO9660**

Standard for recording data on CDs.

### **Joliet**

Standard for recording data on CDs.

### **Kilobyte**

Designation for an amount of information in digital technology.

### **LOGIC7®**

Multi-channel surround technology from the professional audio industry, which plays back 5.1 and stereo recordings in surround quality. LOGIC7® creates natural 360° sound characteristics for all seats.

### **MLP**

(Meridian Lossless Packing)  
Optional format for audio data on a DVD-audio.

### **MP3**

The term used in everyday speech for ->MPEG1 Audio Layer 3.

### **MPEG1 Audio Layer 3**

A means of compressing audio data which is subject to losses.

### **Multisession**

A method for recording data, e.g. for CDs. Data is written to the CD in a number of sessions.

### **Music Register**

Memory for the audio main function to which you can copy music files in MP3 format.

### **Notebook**

Portable personal computer (PC).

### **NTSC**

(National Television Systems Committee)  
TV standard, widespread mainly in the US.

### **Folder**

Alternative designation for directories. Data saved on a storage medium can be organised into directories for improved clarity. Can be likened to a filing cabinet containing a number of folders, each of which holds a number of documents.

## **PAL**

(Phase Alternating Line)  
TV standard, widespread mainly in Europe.

## **PCM**

(Pulse Code Modulation)  
Optional format for audio data on an DVD-audio or DVD-video.  
The audio data are provided in compressed form, similar to ->MP3, ->MPEG1 Audio-Layer 3, but in contrast are not subject to losses.

## **PDA**

(Personal Digital Assistant)  
Small portable computer featuring functions for managing dates, addresses and appointments, for example.

## **PIN**

(Personal Identification Number)  
Personal identification number, to be entered to activate the telephone.

## **Provider**

Service provider offering access to a mobile phone network or services within the network.

## **RDS**

(Radio Data System)  
Digital data transmission system for FM radio stations.

## **Region code**

Because of the region code, video DVDs can only be played on DVD equipment with the same code as that of the ->DVD. The factory setting of the COMAND is code 2 (▷ page 75). It can only play video DVDs which also have code 2 or code 0 (no region code).

## **Root directory**

The uppermost directory on a data storage medium.

## **Scan rate (->MP3)**

Indicates the frequency at which voltage samples are taken during the conversion of an analogue signal into a digital signal. The analogue-to-digital converter converts the samples into digital signals.

## **UDF**

(Universal Disc Format)  
Standard for recording data, e.g. for DVDs.

## **vCard**

An address book entry may contain up to 8 telephone numbers that are placed in a vCard (business card). When an entry of this kind is stored in the mobile phone's telephone book, a separate entry in the vCard is created there for every telephone number.

## **Voice Control**

A system which can be used to operate the ->COMAND or the telephone using speech.

## **WAV**

Standard audio file format for storing audio on PCs.

## **WMA**

(Windows<sup>®</sup> Media Audio)  
A means of compressing audio data which is subject to losses.



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We reserve the right to modify  
the technical details  
of the COMAND system as given  
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Press time: 06/06/2007

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Order-No. 6515 6784 13 Part-No. 204 584 13 81 US Edition A 2008