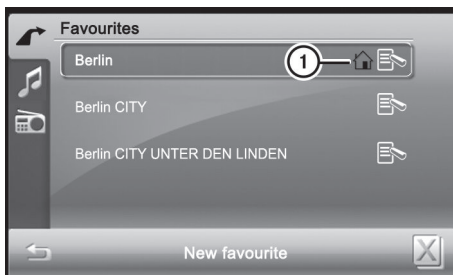


P82.60-8023-31

- Enter a name for the new favourite. Proceed as described under "Character entry" in the "At a glance" section (▷ page 13).
- Press **OK** to save the destination to the favourites.

Option 2: create a new favourite

- Press **Favourites** in the "Navigation" main menu (▷ page 25). The "Favourites" list appears.



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- ① Home address symbol

- Press **New favourite**.
- Select an option from the menu.

Selection	Step
Enter an address	► Enter the destination address, e.g. as a town, street and house number (▷ page 28).
Last locations	► Select a destination from "Last locations" (▷ page 34).

Selection	Step
Current position	► Select the current position.
Points of interest	► Enter a special destination (▷ page 35).

- Continue as described under "Option 1: after destination entry".

Renaming a destination in favourites

- Press on a destination or the edit symbol to the right while the "Favourites" list is shown. The "Detailed information" menu appears.
- Press **Rename favourite** or **Rename home address**.
- Enter a new name for the favourite. Proceed as described under "Character entry" in the "At a glance" section (▷ page 13).
- Press **OK** and save the destination to the favourites with a new name.

Deleting a destination from the favourites

Deleting all destinations

- Press ☒ in the "Favourites" list. The **Are you sure you want to delete all favourites?** message appears.
- Press **OK**. All destinations, including a home address, are deleted from the favourites.

Deleting a destination




- Press the edit symbol on the right-hand side of the destination entry in the "Favourites" list.
- Press ☒ on the bottom right of input menu. The destination is deleted from the favourites.

Map operation and settings

Note

Company logos displayed on the map are trademarks of the respective companies and used solely for the purpose of indicating the location of these companies. The use of such logos on the map does not indicate approval of, support of or advertising by these companies for the navigation system itself.

Setting the map scale


- ▶ When the map is displayed (▷ page 38), press  or .
The section of the map is then zoomed in or zoomed out.
- ▶ Press  to return to the original auto zoom view.

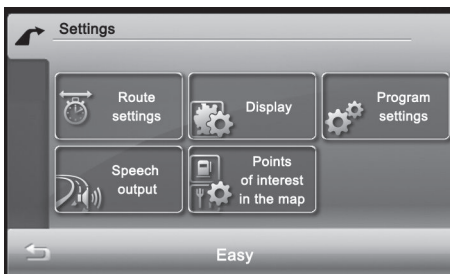
Moving the map

- ▶ Press on the map (▷ page 38) and move the map using your finger.
The map moves in the relevant direction.

Display

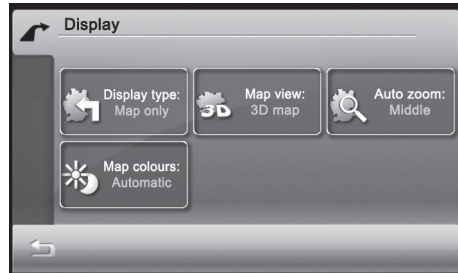
Calling up the "Display" menu

- ▶ Press the  symbol in the "Navigation" main menu (▷ page 25).
The "Settings" menu appears.



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- ▶ Press **Display**.
The "Display" menu appears.




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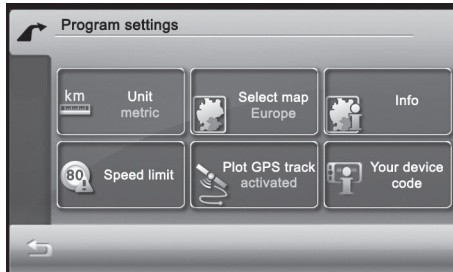
Explanation of functions

Function	Explanation	Step
Display type	Enables different displays during route guidance	<ul style="list-style-type: none"> ▶ Press Display type. ▶ Select Map only, Turn Icons or Compass.
Map view	Enables different map orientations	<ul style="list-style-type: none"> ▶ Press Map view. ▶ Select Align map northwards, Map in driving direction, Map display dynamic or 3D map. <p>North up: the map is displayed so that north is at the top, the point of the north arrow always points up.</p> <p>Map in driving direction: the map is displayed so that the heading is always up. The north arrow turns. The point of the current vehicle position always points up.</p> <p>Dynamic map: when a smaller map scale is used (e.g. when driving on the motorway), the map is displayed so that north is always up in order to make orientation easier.</p> <p>3D map: the map is shown from the bird's-eye view.</p>
Auto zoom (Expert mode)	Selects how much a map section will be zoomed in before a change in direction.	<ul style="list-style-type: none"> ▶ Press Auto zoom. ▶ Select nearby, Middle or far.
Map colours (Expert mode)	Sets the display to day or night display or switches automatically.	<ul style="list-style-type: none"> ▶ Press Map colours. ▶ Press Automatic, Day design or Night design in the list. <p>Automatic: the display design changes depending on the brightness determined by the light sensor.</p> <p>Day design: the display is always set to day design.</p> <p>Night design: the display is always set to night design.</p>

Programme settings



Calling up the "Programme settings" menu

- ▶ Press the  symbol in the "Navigation" main menu (▷ page 25).
The "Settings" menu appears.
- ▶ Press **Programme settings**.
The "Programme settings" menu appears.



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Explanation of functions

Function	Explanation	Step
Units	Select km-display (metric) or mi-display (imperial) for the map mi = miles	► Press Units . The setting switches between metric and imperial.
Info	Shows the respective map data version for all countries contained in the map	► Press Info . ► Press  or  to scroll in the list.
Speed limit (Expert mode)	The maximum permissible speed is shown when the corresponding map data is available and the Speed limit function is not deactivated. A warning tone sounds if the maximum permissible speed is exceeded and one of the Warning at x km/h settings is activated. i The maximum permissible speed display may differ from the actual traffic situation, e.g. as a result of incorrect map data.	► Press Speed limit . ► Press Warning at x km/h (several settings possible), Show without warning or Do not show in the list.
Your device code	The device code is required for map updates.	► Press Your device code . The device code is shown.


i The **Plot GPS track** function (Expert mode) is described in the "Route guidance" section (▷ page 44).

Special destination on the map (Expert mode)



Displaying special destination symbols on the map

Special destinations are, for example, **Restaurant/Nightlife, Shopping centre, Cinema** or **Petrol station**. The corresponding symbols can be displayed on the map.

i The symbols are not shown on all map scales.

- Press the  symbol in the "Navigation" main menu (▷ page 25).
The "Settings" menu appears.
- Press **Points of interest in the map**.
The "Special destinations on the map" menu appears. It shows the available categories.



- To scroll in the list, press  or .
- **Switching category display on/off:** press on a symbol.
Depending on the previous setting, the display is switched on or off.

Blue tick	all sub-entries are shown
White tick	Some of the sub-entries are shown

- **To call up a sub-category:** press the category names.
Depending on the category, sub-categories are shown for selection.

- ❗ Changes within a category may also have an impact on other categories.

Voice control system

At a glance

Overview

You can operate navigation using the voice control system. Available commands are shown in the individual displays and are announced in some menus.

Say the commands without pausing between individual words.

The voice control system confirms important commands and gives instructions when entries are unsuccessful.

If you give the command unclearly or give a non-existent or incorrect command, the device responds with "Please repeat your comment".

The following languages are available:

- German
- English
- French
- Italian
- Dutch
- Portuguese
- Spanish

Switching the voice control system on

- Switch navigation mode on (▷ page 24) and call up the "Navigation" main menu.



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- Press the display for longer than 2 seconds.

The voice control system is switched on. The available commands are shown as light blue speech bubbles. An active audio source is muted.



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You can start the voice control system in this way from any navigation display.

The commands depend on the relevant Navigation menu. All the functions available for manual input are also available with the voice control system.

Switching the voice control system off

- Say "Cancel".

The voice control system is switched off.


or

- Press a menu option.

The voice control system is switched off and the selected function is carried out.

- ❗ The voice control system is switched off automatically at the end of an input sequence (e.g. when starting route guidance).

Adjusts the volume

- Start the dialogue.
- Say a command, e.g. "Main menu".
- Set the volume by turning  the control knob.
The volume increases or decreases during the voice output.

Controls

Please bear the following in mind








Risk of accident

The navigation system cannot take the prevailing traffic situation into account or recognise any dangers or obstacles. You must therefore be constantly aware of the prevailing road and traffic conditions so that you can recognise any dangers and react to them.

The route guidance only provides recommendations. You must always comply with the national road traffic regulations and adapt your driving style to the prevailing conditions. You could otherwise become involved in an accident in which you or others could be injured.


General commands

Voice commands are marked by  in this manual. The following voice controls are always available.


-  Back
The previous menu is shown.
-  Cancel
The voice control system is switched off.
-  Help
The voice control system starts the help function. You can use the "Help" command to have all of the basic commands read out.
-  Main menu
The "Navigation" main menu is displayed.

Announcement of the available commands

In some menus, e.g. the "Navigation" main menu (> page 25), the voice control system informs you of the available commands.

Voice control system voice outputs have the  symbol in this manual.






Example announcement in the "Navigation" main menu (Expert mode)





















-  Here, you can say: enter address, previous towns, favourites, change route, route information, special destinations, route guidance, stop route guidance, settings, map or previous destination.

Dialogue example

Displays have the  symbol in this manual.

Entering the address and calculating the route

-  Entering an address
-  The "Entering a new destination" menu appears.
-  Please make a selection.
-  Enter town
-  The "Enter town" menu appears.

-  Say the name of the town.
-  Berlin
-  The system shows a numbered list of town names in the display.
-  Please select an entry number from the list.
-  Say the number.
-  Name the street.
-  Unter den Linden.
-  The system shows a numbered list of street names in the display.
-  Please select an entry number from the list.
-  Say the number.
-  Name the house number.
-  Say a house number.
-  The system shows a numbered list of house numbers in the display.
-  Please select an entry number from the list.
-  Say the number.
-  The address is now complete and the "Detailed information" menu appears.
-  Would you like a route to be calculated for this destination?
-  Yes.
-  Route calculation complete.
-  Start route guidance.

Telephone

General notes

Introduction

Telephony via the Bluetooth® interface is available in conjunction with a Bluetooth®-capable phone. With a suitable mobile phone, you can use the hands-free system via the Bluetooth® interface and download contacts from the mobile phone, e.g. via PBAP (Phone Book Access Profile).

For more information on suitable mobile phones and on connecting the Bluetooth mobile phone to the smart high line radio, contact your smart Centre.

Safety notes

Risk of accident

You must observe the legal requirements for the country in which you are currently driving when operating mobile communications equipment in the vehicle.

If it is permitted to operate communications equipment while the vehicle is in motion, you may only operate such equipment when road and traffic conditions permit. You may otherwise be distracted from the traffic conditions, cause an accident and injure yourself and others.

Two-way radios or fax machines without low-reflection exterior aerials may interfere with the vehicle electronics and thereby compromise the operational safety of the vehicle and your safety. Therefore, only use these if they are properly connected to a separate, low-reflection exterior aerial.

Risk of injury

Excessive electromagnetic radiation may constitute a health hazard to yourself and others. Use of an exterior aerial gives consideration to the current scientific discussion surrounding the possible health risk posed by electromagnetic fields.

General notes

Call disconnection while the vehicle is in motion

A call may be disconnected if:

- the mobile phone battery is not sufficiently charged
- there is insufficient GSM network coverage in certain areas.

- you move from one GSM transmitter/receiver area (GSM cell) into another and no channels are free.
- you use a SIM card which is not compatible with the available network.
- you are using a mobile phone with "Twin-card" and the mobile phone with the second SIM card is already logged into the network.

Function restrictions

You will not be able to use the telephone, will no longer be able to use the telephone, or you may have to wait before using it, in the following situations:

- if the mobile phone is not switched on
- when the "Bluetooth®" function is switched off in the mobile phone
- if the mobile phone is not logged into a mobile phone network

The telephone automatically tries to log on to a network. If no network is available, you will not be able to make a "999" or "112" emergency call.

- If you switch off the smart high line radio during a call in hands-free mode, the call is transferred to the mobile phone.

"999" or "112" emergency call

Making emergency calls without entering a PIN is only possible using the mobile phone.

The following conditions must be fulfilled in order to make a **112** emergency call:

- the mobile phone must be switched on.
- a network must be available.
- a valid and operational SIM card must be inserted in the mobile phone.
- the PIN must have been entered.

If you cannot make an emergency call, you must arrange rescue measures yourself.

The **999** emergency call number is a public service. Any misuse is punishable by law.

Bluetooth® interface telephony

Conditions

To use Bluetooth® interface telephony in conjunction with the smart high line radio, you need a Bluetooth®-capable mobile phone.

Not all mobile phones available on the market are equally suitable. For more information on suitable mobile phones and on connecting the Bluetooth mobile phone to the smart high line radio, contact your smart Centre.

The battery of the mobile phone should always be kept sufficiently charged in order to prevent malfunctions.

In preparation for telephoning via the Bluetooth® interface, you should check the following items on your mobile phone (see the mobile phone operating instructions):

► Hands-Free Profile

The mobile phone must support Hands-Free Profile 1.0 or above.

- i** Some displays depend on the supported version of the Hands-free Profile.

► Bluetooth® visibility

On certain mobile phones, the device itself must be made "visible" for other devices, as well as activating the Bluetooth® function (see the mobile phone operating instructions).

► Bluetooth® device name

Every Bluetooth® device has its own Bluetooth® device name. This device name is freely definable, but can be identical for all devices from the same manufacturer. It is therefore recommended that you change this name so that you can easily recognise your mobile phone (see the mobile phone operating instructions).

Registering and connecting the mobile phone

General information

You will need to register your mobile phone before using it with the smart high line radio for the first time. The mobile phone is then entered in the smart high line radio's Bluetooth® phone list.

This process includes:

- the search by the Bluetooth® mobile phone
- subsequent registration.

If you want to reconnect a phone that has already been registered, it is connected automatically.

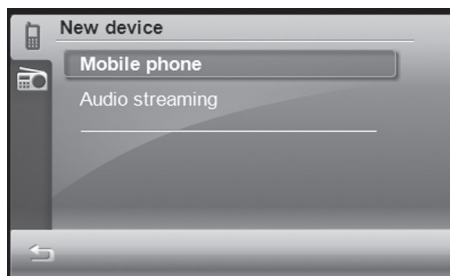
The Bluetooth® device name for the smart high line radio is **smart Radio**.

You can register a maximum of five Bluetooth® devices (mobile phones and Bluetooth® audio devices).

- ❗ If the **smart Radio** Bluetooth® device name is already in the Bluetooth® device list, it may not be possible to connect a mobile phone.

Searching for and registering a mobile phone

- ▶ Press **Mobile phone** in the main menu (> page 8).
The Telephone menu appears
- ▶ Press **Options** in the telephone menu.
The "Bluetooth settings" menu appears.
- ▶ Press **New device** in the menu.



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"New device" menu (for Bluetooth® connection)

- ▶ Press **Mobile phone**.
The **Please start searching from mobile device !PIN xxxx** message appears.
- ▶ **To start a search:** start the Bluetooth® search on the mobile phone (see mobile phone operating instructions).
Example input: select the "New device" entry in the mobile phone's Bluetooth® device list.
The mobile phone starts the search for Bluetooth® devices within range. If the smart radio is found, the Bluetooth® device name **smart Radio** appears in the mobile phone's Bluetooth® device list.
- ▶ Select the smart high line radio on the mobile phone.
- ▶ **To register a mobile phone:** enter the PIN that is shown in the smart high line radio display into the mobile phone and connect the mobile phone.
The following messages are shown one after another in the smart high line radio display when registering:
 - **Calling...**
 - **Phone connected <Device name>**
The LED lights up blue.
 - **Call history downloading...**
 - **Downloading phonebook...**

The Bluetooth® device name for the mobile phone is entered in the smart high line radio's telephone device list.

The mobile phone is registered on the smart high line radio.

- i** If you connect a mobile phone with the Bluetooth® audio function, the **Streaming connected** message also appears.

LED display for Bluetooth® connection

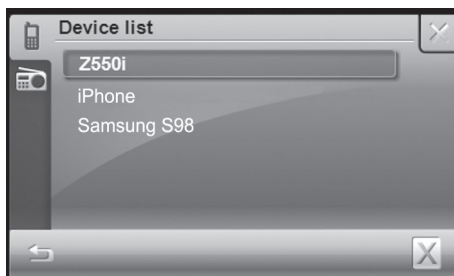
The LED shows whether a Bluetooth® device is connected or not (▷ page 6).

LED display	Explanation
Blue	Bluetooth® device (mobile phone, audio equipment) is connected
Flashes blue	Bluetooth® connection is being established
No display (dark)	No Bluetooth® device is connected

Selecting a mobile phone from the telephone device list

If you have registered multiple mobile phones, you can select a mobile phone from the Bluetooth® telephone list and connect it to the smart high line radio.

- i** You can only switch to another registered mobile phone if no phone call is active.
- ▶ Press **Mobile phone** in the main menu (▷ page 8).
The Telephone menu appears
 - ▶ Press **Options** in the telephone menu.
The "Bluetooth settings" menu appears.
 - ▶ Press **Device list** in the menu.



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- ▶ Select an entry.
Depending on the connection status, one of the following displays is shown (example 1 and 2).



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Mobile phone not connected (example 1)

① Connecting a mobile phone

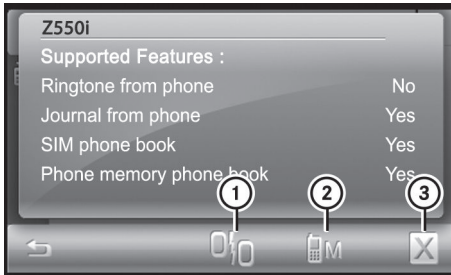
In this display, the mobile phone can be:

- connected to the smart high line radio
- determined as a master device (▷ page 57)
- de-registered (▷ page 57)

- ▶ **To connect:** press symbol ①.

The **Calling...** message appears.

When the mobile phone is connected, the **Phone connected <Device name>** message appears.



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P82.60-7963-31

The mobile phone is connected and supported Bluetooth® features are displayed (example 2)

- ① Disconnects the mobile phone
 - ② Determines a master device
 - ③ De-registering a mobile phone
- i** The supported Bluetooth® features are displayed after a Bluetooth® audio device is connected.

In this display, the mobile phone can be:

- determined as a master device (▷ page 57)
- de-registered (▷ page 57)
- disconnected from the smart high line radio

► **To disconnect a mobile phone:** press symbol ①.

The mobile phone is no longer connected to the smart high line radio but is still entered in the telephone device list and can be connected again later.

Determines a master device

You can determine a mobile phone as a master device, but not a Bluetooth® audio device. A master device is given priority when reconnecting automatically.

- Press symbol ② in example 2.
The selected mobile phone is entered in the telephone device list as a master device.

Automatic reconnection

The smart high line radio searches for a master device automatically when it is switched off. If no master device is determined, the telephone device list is searched for a mobile phone and the Bluetooth® device list is searched for an audio device.

De-registering a mobile phone

You can either de-register an individual mobile phone or delete all mobile phones from the telephone device list. Bluetooth® audio devices can be deleted from the corresponding display in the same way.

- **To de-register a mobile phone:** press ③ in example 2.

The **Please confirm to delete** message appears.

- Press **OK**.

The **Deleted** message appears.

The mobile phone display shows a message that connection with the smart radio was terminated.

- **To de-register all mobile phones:** press ☒ in the telephone device list.

Please confirm to delete all.

- Press **OK**.

The **Deleted** message appears.

Telephone operation

Incoming call

Rejecting or accepting a call

When a call is being received, the **Incoming call...** message is shown. Either the phone number, the name or **Unknown** is shown in the display (phone number is not sent).



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► **To reject:** press .

► **To accept:** press **OK**.

Once you have accepted the call, you can use hands-free mode.

► Set the call volume by turning the control knob.

For more information, see the "Functions during a call" section (► page 59).

After the call is finished, the previous display is shown again.

Making a call

► Press **Telephone** in the main menu (► page 8).

The Telephone menu appears



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► Press **Number**.

An input menu appears.

► Type in the phone number. Press and hold **0** to enter "+".

The phone number is shown at the top left.



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► **To delete a number:** press symbol .

► **To delete a phone number** press and hold symbol until the call number has been deleted.

► **To store a phone number in the radio:** press the memory card symbol.

► Enter a name and then press **OK**.

The contact is stored in "Radio phone book" (Contacts II) (► page 61).

► **To make a call:** press .

The **Calling....<Name>** message appears.

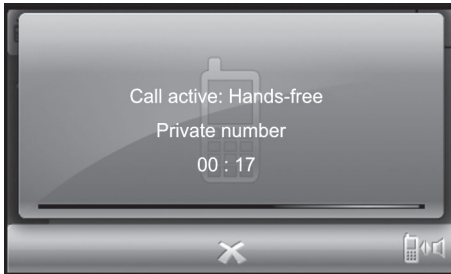
Functions available during a call

Transferring a hands-free call to the mobile phone

The display shows either the phone number or the name

The following information is shown in the display during a call:

- type of connection (hands-free, mobile phone)
- name or phone number of the caller
- call duration



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- Press the symbol on the bottom right. You are now conducting the call using the mobile phone. **Call active: Mobile phone** is shown in the display.
- **To return to the call using the hands-free system:** press the symbol again.

Setting the call volume


Option 1

- Turn  the control knob.

Option 2

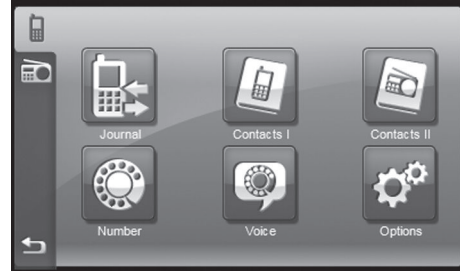
- Call up the "Volume settings" menu and set the volume for telephone calls (> page 17).

To end a call

- Press  . The call is ended and the previous display appears.

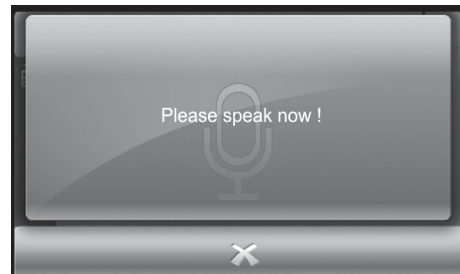
Voice dial

If the connected mobile phone supports the "Voice dial" function, you can select contacts with a voice tag by saying the relevant name. The mobile phone then takes over the contact selection and making calls.



P82.60-7962-31

- **To switch on voice dial:** press **Voice** in the telephone menu. Voice dial is activated. The **Please speak now!** prompt appears.



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- **To make a call:** Say the voice tag for the contact.

If the voice tag exists and the mobile phone recognises it, the call is made. The **Calling...<Name>** message appears.

If there is no voice tag or the system does not recognise it, the **Voice dial failed!** message appears.

- **To deactivate voice dial:** press  .

Using the phone book

Introduction

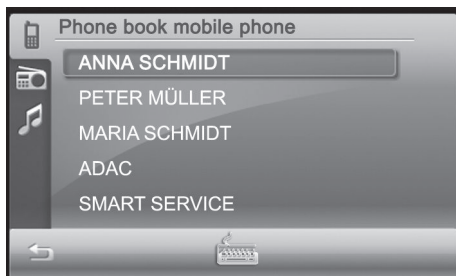
The smart high line radio shows the mobile phone's phone book (Contacts I) and the smart high line radio's phone book (Contacts II). The contacts in the phone book in the mobile phone are automatically downloaded when the mobile phone is registered (> page 55). They are updated after every call and after the mobile phone is connected again. You can also download the contacts from the mobile phone yourself (> page 64).

Mobile phone contacts can be stored permanently in the smart high line radio's phone book. These are then available independent of the mobile phone connected.

Phone book in the mobile phone (Contacts I)

Opening the phone book

Option 1: the phone book in the mobile phone is shown as soon as downloading is complete.



P82.60-8004-31

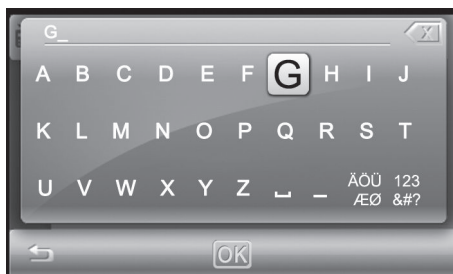
- **Option 2:** Press **Contacts I** in the telephone menu.



P82.60-7962-31

Searching for a contact

- Press the keyboard symbol (under option 1 in the picture).
An input menu appears.
- Enter up to three letters of the entry to be searched for. There is a description of how to enter characters in the "Entering characters in the phone book" section (> page 13).

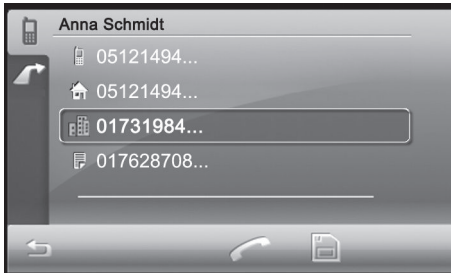


P82.60-7958-31

- Press **OK** in the phone book in the mobile phone.
The phone book is opened at the corresponding place.

Showing contact's phone number(s) and making a call

- Press a contact in the mobile phone's phone book.
The available phone numbers are displayed.

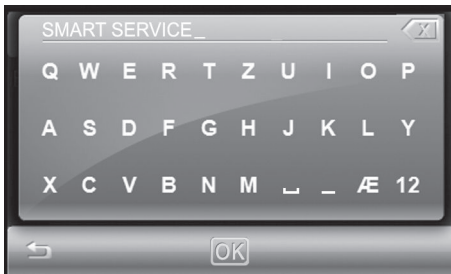


P82.60-8061-31

- Press a phone number and then press . The **Calling...<Name>** message appears.

Storing a contact in the smart high line radio's phone book (Contacts II)

- Press the memory card symbol when the available phone numbers are displayed. An input menu appears.



P82.60-8007-31

- Change the contact names if desired. There is a description of how to enter characters in the "Entering characters in the phone book" section (► page 13).
- Press **OK**. The **Saved** message appears.

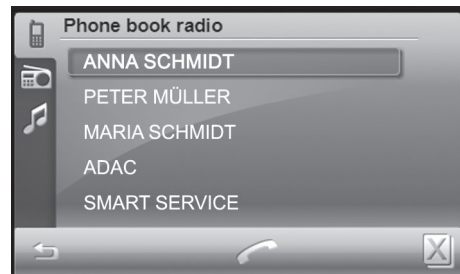
smart high line radio phone book (Contacts II)

Opening the phone book



P82.60-7962-31

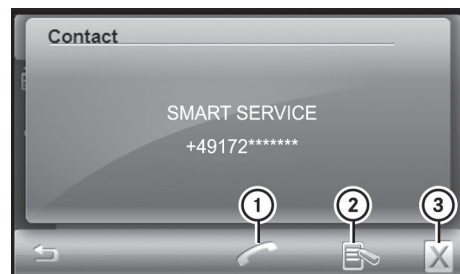
- Press **Contacts II** in the phone book. The radio phone book appears.



P82.60-8003-31

Calling and editing a contact

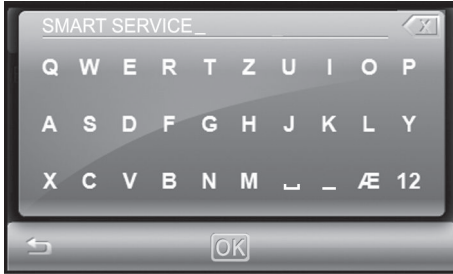
- Press a contact in the phone book. The contact is shown.



P82.60-8006-31

- ① Calls the contact
- ② Edits the contact
- ③ Deletes the contact

- **To call the contact:** press ①.
The **Calling...<Name>** message appears.
- **To edit the contact:** press ②.
The input menu for the name appears.

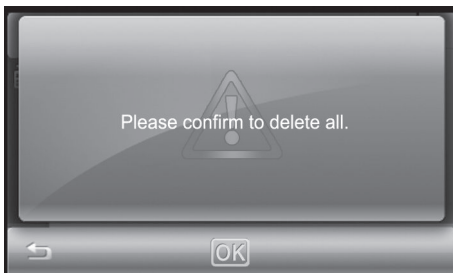


P82.60-8007-31

- Change the contact name. There is a description of how to enter characters in the "Entering characters in the phone book" section (> page 13).
- Press **OK**.
The input menu for the phone number appears.
- Change the phone number.
- Press **OK**.
The **Saved** message appears.
- **To delete a contact:** press ③.
The **Please confirm to delete.** message appears.
- Press **OK**.
The **Deleted** message appears.

Deleting all contacts

- Press **☒** in the phone book.



P82.60-8005-31

- Press **OK**.
The **Deleted** message appears.

Using call lists

Introduction

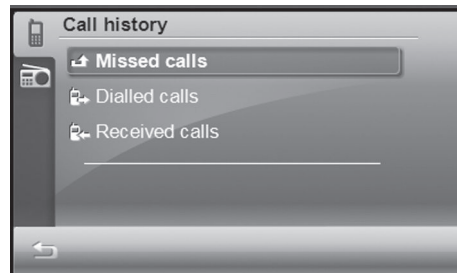
The smart high line radio stores calls received, dialled or missed while the telephone is in operation in separate lists.

Opening call lists



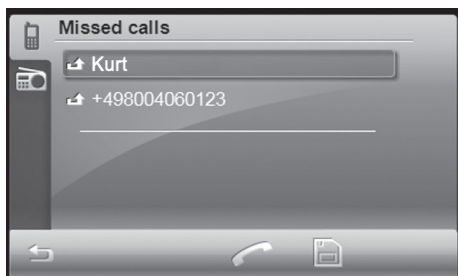
P82.60-7962-31

- Press **Journal** in the telephone menu.
The call lists are displayed.



P82.60-7966-31

- Select a call list, e.g. **Missed calls**.
The calls are displayed.



P82.60-7967-31

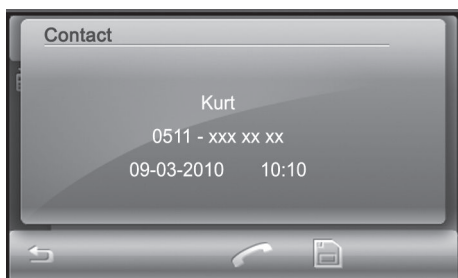
Calling a contact

Option 1

- ▶ Press briefly to select the highlighted entry. The **Calling...<Name>** message appears.

Option 2

- ▶ Select an entry. The contact details (name, phone number, date, time) are shown.



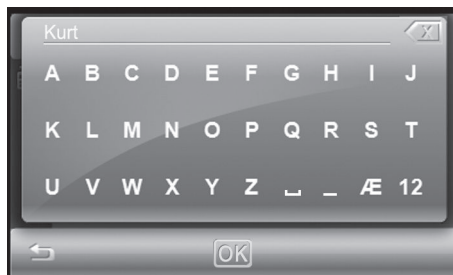
P82.60-7970-31

Contact details (example)

- ▶ Press . The **Calling...<Name>** message appears.

Storing contacts in the phone book for the smart high line radio

- ▶ Select an entry in the call list and then press the memory card symbol.
- or
- ▶ Press the memory card symbol in the contact details display.



P82.60-7968-31

- ▶ Change the name if desired. There is a description of how to enter characters in the "Entering characters in the phone book" section (> page 13).
- ▶ Press **OK**. The **Saved** message appears.

Telephone settings

Calling up the "Bluetooth® settings" menu

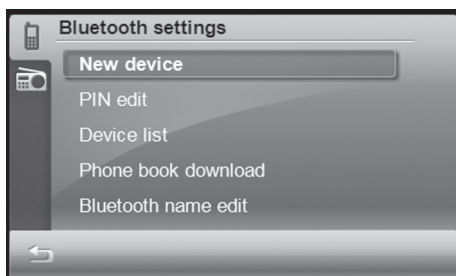
- ▶ Press **Telephone** in the main menu (> page 8). The Telephone menu appears



P82.60-7962-31

Telephone menu

- Press **Options** in the telephone menu.
The "Bluetooth® settings" menu appears.



P82.60-7956-31

"Bluetooth® settings" menu

The **New device** and **Device list** functions are described in the "Telephony via the Bluetooth® interface" section under "Connecting a mobile phone" (▷ page 55).

Editing the PIN for connection with Bluetooth® devices

The PIN is required to connect the smart high line radio with Bluetooth® mobile phones and Bluetooth® audio equipment. The default PIN is **1234**.

You can change the PIN. The PIN is a four-digit number sequence.

- Press **PIN edit** in the "Bluetooth® settings" menu.
An input menu appears.



P82.60-7958-31

- Select the numbers one by one by pressing briefly.
The numbers are entered at the top right.
- **To delete:** briefly press **X** to delete the last number.
Press and hold **X** to delete the entry.
- Press **OK** to confirm the entry.
The input menu is closed and the "Bluetooth® settings" menu appears.

Downloading the mobile phone's phone book

The mobile phone is connected to the smart high line radio (▷ page 55).

- ❗ The phone book is automatically downloaded to the smart high line radio after connection.
- Press **Phone book download** in the "Bluetooth® settings" menu.
The **Downloading phonebook...** message appears. When the download is complete, the **Phone book downloaded** message and the number of entries downloaded are shown.



Editing Bluetooth® device names

The Bluetooth® device name enables Bluetooth® connection to Bluetooth® mobile phones and Bluetooth® audio devices. The Bluetooth® device name for the smart high line radio is **smart Radio**. You can edit this device name.

- Press **Bluetooth name** in the "Bluetooth® settings" menu.
An input menu appears.




P82.60-7961-31

- ▶ Enter a name. There is a description of how to enter characters in the "Entering characters in the phone book" section (▷ page 13).
The name is shown at the top left.
- ▶ **To delete:** briefly press  to delete the last letter.
Press and hold  to delete the entry.
- ▶ Press **OK** to confirm the entry.
The input menu is closed and the "Bluetooth® settings" menu appears.

Audio

Radio mode

Introduction

-  Portable electronic devices in the vehicle may seriously impair radio reception.

Switching radio mode on/off

Switching on radio mode

- ▶ Press **Radio** in the main menu (▷ page 8).
The radio display appears. You will hear the current station selected.



P82.60-7948-31

Radio display (example)

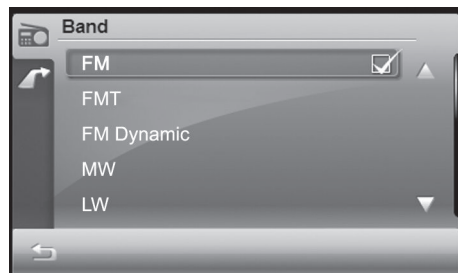
- ① The status bar shows the current waveband, clock and additional displays
- ② Switches radio mode off
- ③ Display/selection area with station name and station frequency (line 1), radio text display (line 2), waveband (line 3) and assignment of the first four presets (line 4)
- ④ Calling up the "Settings" menu
- ⑤ Station search, forwards/backwards
- ⑥ Calling up a station preset

Switches radio mode off

- ▶ Press ② in the radio display.
The last active main function is shown.

Switching waveband

- ▶ Press symbol ④ in the radio display.
The "Settings" menu appears.
- ▶ Press **Band** in the menu. The entry on the right beside **Band** shows the current setting.
A list of available wavebands is shown.



P82.60-7954-31



The frequencies that can be selected are FM, FMT, FM dynamic, MW, LW and SW.

FMT: the waveband contains 32 stations sorted by their reception quality, stored automatically by the travel store function. The station with the best reception quality is stored as preset position 1. When you next use this function, the current preset stations are overwritten.

i If you have activated traffic announcements (TA) (▷ page 70), only RDS stations are stored.

FM dynamic: while the vehicle is in motion, the tuner scans regularly and stores the 32 stations with the best reception quality. It is not possible to store a station manually. Dynamic updating can cause a stored station to change preset position in the list.



i The smart high line radio shows the station frequencies instead of the station names in the MW, SW and LW wavebands.

- ▶ Press  or  to scroll in the list.
- ▶ Press the desired waveband.


Waveband	Frequency
FM (VHF), FMT, FM dynamic	87.5 – 108.0 Mhz
MW (medium wave)	531 – 1602 kHz
SW (short wave)	3900 – 9990 kHz
LW (long wave)	153 – 279 kHz

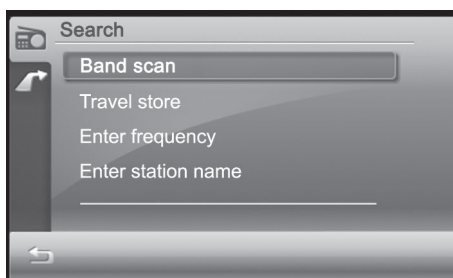
Selecting a station

Selecting a station using the station search function

- ▶ Press  or  in the radio display (▷ page 65).
The needle jumps left or right in the waveband and stops at the next station with adequate reception.


Selecting a station using the waveband scan

- ▶ Press symbol  in the radio display (▷ page 65).
The station preset memory appears (▷ page 66).
- ▶ Press the magnifying glass symbol in the station preset memory.
The "Station search" menu appears.



P82.60-7950-31

"Station search" menu

- ▶ Press **Band scanning**.
The **Band scanning...** message appears.
All available stations are played briefly.
When the smart radio finds a station, the display shows **Playing 98.3 MHz**, for example.
- ▶ **To select the station being played:** press .
The band scan is stopped.


Selecting stations via the station presets

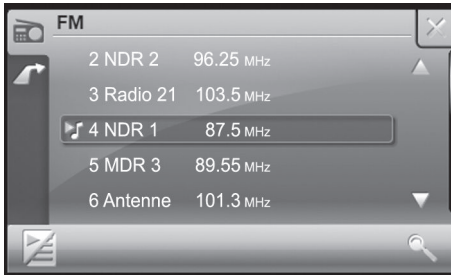
Option 1

The station assignment of preset positions 1 to 4 appears in the radio display under the waveband.

- ▶ Press one of preset positions 1 to 4.
The selected station is played.

Option 2

- ▶ Press symbol  in the radio display (▷ page 65).
The station preset memory appears.



P82.60-7949-31

Station presets

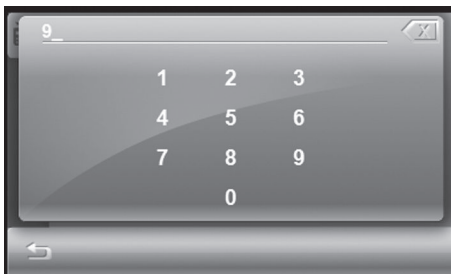
An arrow and a note indicate under which preset the currently selected station is stored.

- ▶ Press or to scroll in the list.
- ▶ Tap the desired station.
The selected station is played.
- ▶ Press to call up the radio display.

Selecting stations by entering the frequency manually

You can use this function for FM wavebands.

- ▶ Press symbol in the radio display (> page 65).
The station preset memory appears.
- ▶ Press the magnifying glass symbol in the station preset memory.
- ▶ Press **Enter frequency**.
An input menu appears.



P82.60-7951-31

- ▶ Enter the desired frequency by pressing the numbers.
The frequency is shown at the top right, the dot is entered automatically.

- ▶ Press **OK** and confirm the frequency entered.

If the smart radio finds the respective station, the display shows **Playing 98.3 MHz**, for example. The radio display then appears.

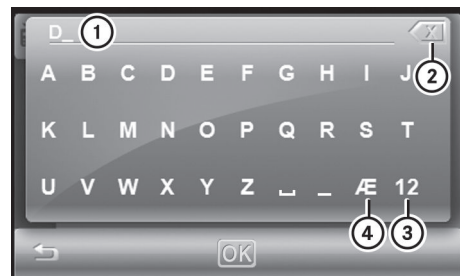
- i** You can only enter currently permitted numbers.

If you enter a frequency which is outside the frequency range, the smart high line radio tunes in to the next lower frequency.

Selecting a station by entering the station name

You can use this function for FM wavebands.




- ▶ Press symbol in the radio display (> page 65).
The station preset memory appears.
- ▶ Press the magnifying glass symbol in the station preset memory.
- ▶ Press **Enter station name**.
An input menu appears.



P82.60-7952-31

- ① Entry line
- ② Deletes an entry
- ③ Enters numbers and special characters
- ④ Enters umlauts



- ▶ Enter a station name. There is a description of how to enter characters in the "Entering characters in the phone book" section (> page 13).

- ▶ **To confirm the entry:** press **OK**.
The **Searching...** display appears. You then see a list of stations that can be received.
- ▶ Press  or  to scroll in the list.
- ▶ Tap the desired station.
- ▶ Press  to exit the list.
The selected station is played.
If no station is found for an entry, **G not found** is shown, for example.

Storing stations



Storing channels manually

There are 32 preset positions available each for the FM and FMT wavebands. You cannot store stations manually in the FM dynamic waveband. Up to 12 stations can be stored in the MW, LW and SW wavebands.

- ▶ **Quick save:** in the radio display, press and hold one of preset positions 1 to 4 until you hear a confirmation tone.
The currently set station is stored to the preset position selected.
- ▶ **In the preset memory:** press  or  to scroll in the list.
- ▶ Press and hold a preset position until you hear a confirmation tone.
The currently set station is stored to the preset position selected.

Storing stations automatically (travel store)

This function automatically assigns stations that can be received to the preset memory for the FMT waveband. The entire waveband is searched, starting at the lowest frequency. The 32 stations with the best reception quality are stored to the preset positions according to their reception quality. The station with the best reception is stored at preset position 1.

- ▶ Press  in the radio display (▷ page 65).
The station preset memory appears.
- ▶ Press the magnifying glass symbol in the station preset memory.
- ▶ Press **Travel store** in the "Station search" menu.
- ▶ The **Travel store...** message appears.
The smart high line radio searches for stations that can be received. The available stations are automatically stored in the preset positions.
- ▶ **To cancel a function:** press .

Radio Data System (RDS)


General notes

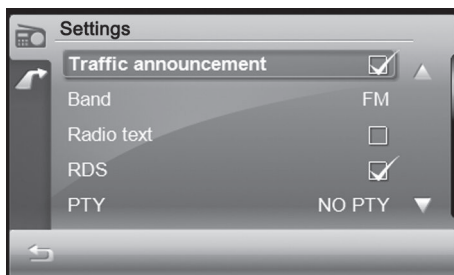
The Radio Data System (RDS) provides inaudible additional information in the FM wavebands (FM, FMT, FM dynamic). The system consists of a listening receiver and a monitoring receiver.

The monitoring receiver constantly scans the FM waveband and collects data from all the stations which can be received. The smart high line radio stores the data and always keeps the preset memory up to date. The listening receiver is therefore able to switch instantaneously to an alternative frequency with a better signal.

-  RDS only functions for stations which transmit RDS data.

Switching RDS on/off

- ▶ Press  in the radio display (▷ page 65).
The "Settings" menu appears.



P82.60-7953-31



P82.60-7955-31

- ▶ Press **RDS** in the menu.

Depending on the previous status, the function is switched on ☒ or off ☐.

- ▶ Press and return to the radio display.

Switching regional mode on/off

Some RDS programmes broadcast regional programmes with local content. Switching on regional mode prevents the station from switching to an alternative frequency.

- ▶ Press in the radio display (> page 65).

The "Settings" menu appears.

- ▶ Press **Regional** in the menu.

Depending on the previous status, the function is switched on ☒ or off ☐.

- ▶ Press and return to the radio display.

Program type category (PTY)

PTY is a service offered by several stations in RDS. You can use it to select stations with a certain programme type.

- ▶ Press in the radio display (> page 65).

The "Settings" menu appears.

After **PTY**, the display either shows the current programme type selected or **NO PTY**.

- ▶ Press **PTY** in the menu.

The list of available programme types appears.

- ▶ **To switch off PTY:** press **NO PTY**.

The ☒ symbol indicates that the function is switched off. The setting is accepted and the list closes.

- ▶ **To select a programme type:** press or to scroll in the list.

Press the desired programme type.

- ▶ Press and close the list.

Available programme types:

- News
- Current affairs
- Information
- Sport
- Education
- Drama
- Culture
- Science
- Varied
- Pop Music
- Rock Music
- Easy Listening Music
- Light Classical Music
- Serious Classical Music
- Other Music
- Weather
- Finance
- Children's programmes
- Social affairs
- Religion
- Phone-in
- Travel


- Leisure
- Jazz Music
- Country Music
- National Music
- Oldies Music
- Folk Music
- Documentary

Traffic Programme


Note

Many FM stations transmit traffic announcements (TA).

Switching traffic announcements on/off

- Press  in the radio display (▷ page 65).
The "Settings" menu appears.
- Press **Traffic announcement**.
Depending on the previous status, the function is switched on ☒ or off ☐.

i It is also possible to switch traffic announcements off when a traffic announcement is being received (▷ page 70).

- Press  and return to the radio display.



P82.60-8154-31

The car symbol at the top of the display indicates that announcements are switched on. If the selected station does not broadcast traffic announcements, this symbol is crossed out in red.

After traffic announcements are switched on, the smart high line radio selects an RDS station.

The Traffic Programme is retrieved from:

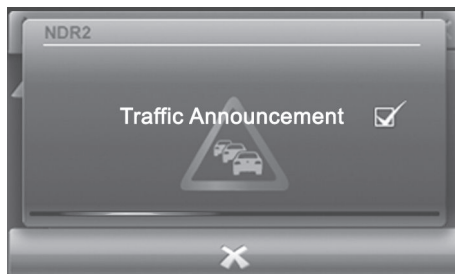
- the currently selected FM station
- an RDS station from the network of the currently selected FM station
- the RDS station with the best reception quality

When traffic announcements are switched on, a traffic announcement will interrupt the audio signal from the currently activated audio or video source.


i Telephone conversations and navigation announcements are not interrupted.

Incoming traffic announcements

An incoming traffic announcement is indicated by a message.



P82.60-8155-31

- **To interrupt a traffic announcement:**
press  in the message displayed.
The smart high line radio switches back to the audio source that was playing before the announcement. Subsequent traffic announcements will interrupt the audio source again.
- **To switch off traffic announcements:**
press ☒ in the message displayed.
No more traffic announcements are made.

Radio text



Notes

This function is available in FM radio mode.

Radio text is additional information that is shown in the radio display, e.g. information about the current programme.

The radio text is switched off in the standard setting.



Switching radio text on/off

- ▶ Press  in the radio display (> page 65).
The "Settings" menu appears.
- ▶ Press **Radio text** in the menu.
Depending on the previous status, the function is switched on ☒ or off ☐.
- ▶ Press  and return to the radio display.

If the station supports radio text and information is available, this is shown when the function is switched on. Longer text information is shown as scrolling text.





Reception settings

Switching stereo information on/off

- ▶ Press  in the radio display (> page 65).
The "Settings" menu appears.
- ▶ Press **Stereo** in the menu.
Depending on the previous status, the function is switched on ☒ or off ☐.
- ▶ Press  and return to the radio display.

Noise suppression

This function suppresses interference noises, e.g. as a result of poor reception, by reducing the treble.





- ▶ Press  in the radio display (> page 65).
The "Settings" menu appears.
- ▶ Press **Hicut** in the menu.
A settings menu appears.
- ▶ Press  or  to select a value between 0 (no lowering) and 7 (high lowering).
- ▶ Press **OK** and confirm the entry.
- ▶ Press  and return to the radio display.

Setting the sensitivity

By setting the sensitivity, you affect the range of available channels when you use the following functions:

- Station search (> page 66)
- Band scan (> page 66)
- Travel store

At high sensitivity, you only receive stations with high reception quality. At low sensitivity, you also receive stations with low reception quality.

- ▶ Press  in the radio display (> page 65).
The "Settings" menu appears.
- ▶ Press **Sensitivity** in the menu.
A settings menu appears.
- ▶ Press  or  to select a value between 1 (low) and 6 (high).
- ▶ Press **OK** and confirm the entry.
- ▶ Press  and return to the radio display.

Music mode

Safety note

Risk of accident

Only when the vehicle is stationary should you:

- load a disc
- eject a disc

There is a risk of being distracted from the road and traffic conditions if this is done while the vehicle is in motion.

General notes

A maximum of 20,000 tracks or music files are played.

If a data medium is divided into several partitions, only the first partition found is played.


Inserting and removing a CD/DVD

Notes


If the CD/DVD has a printed side, this must face upwards when the CD/DVD is inserted. If neither side is printed, the side to be played should face downwards. CDs/DVDs with copy protection may not be able to be played by the system.

- i** If a medium contains other files in addition to music files, the loading time before the first track starts to play may be longer.

Inserting a CD/DVD

- ▶ Press the  button on the front panel. The front panel is folded down and uncovers the disc slot.


If the eject button, position

 (▷ page 8), is lit up in orange, a CD/DVD has already been inserted. If this is the case, remove the CD/DVD first.

- ▶ Insert a CD/DVD into the disc slot. The smart high line radio draws the CD/DVD in.


The **Disc reading...** message appears.

If the CD/DVD is a permissible data medium and was inserted correctly, playback starts.



- ▶ Press the  button on the front panel. The front panel raises and closes the disc slot.

- i** The front panel moves up automatically after one minute.

Removing the CD/DVD

- ▶ Press the  button on the front panel. The front panel is folded down and uncovers the disc slot.

The eject button lights up orange if there is a CD/DVD in the disc slot.

- ▶ Press the eject button, position  (▷ page 6).
- ▶ Remove the CD/DVD from the disc slot.
- ▶ Press the  button on the front panel. The front panel raises and closes the disc slot.

- i** The front panel moves up automatically after one minute.

Inserting and ejecting an SD/MMC memory card

General notes

The smart high line radio supports SDHC memory cards, SD memory cards and MMC memory cards.

- SDHC (**SanDisk High Capacity**)
- SD (**SanDisk**)
- MMC (**Multimedia Card**)

SD memory cards feature the following logo:



This logo is a registered trademark of SanDisk Corporation. The logo is shown on the left beside the SD/MMC memory card slot (visible when you fold the display down).

- i** Do not insert any SD-WLAN cards or partitioned SD cards, since these either

obstruct the opening/closing of the front panel or do not fit in the slot.



- i** Not all SD/MMC memory cards are designed for the temperatures which may be reached in the vehicle.

Due to the wide range of SD/MMC memory cards available on the market, playback cannot be guaranteed for all brands of SD/MMC memory card.



A maximum of 20,000 tracks or music files are played. If the SD/MMC memory card is divided into several partitions, only the first partition found is played.

A partition must not be larger than 32 GB.

Inserting an SD/MMC memory card

- ▶ Press the  button on the front panel. The front panel is folded down and uncovers the slot for the SD/MMC memory card (on the right beside the SD logo).
- ▶ Insert an SD/MMC memory card into the slot. The side with the contacts must face downwards and point towards the slot.
- ▶ Press the  button on the front panel. The front panel moves up and closes the SD/MMC memory card slot.

Removing the SD/MMC memory card

- ▶ Press the  button on the front panel. The front panel is folded down and uncovers the slot for the SD/MMC memory card (on the right beside the SD logo).
- ▶ Press the SD/MMC memory card. The SD/MMC memory card is ejected.
- ▶ Remove the SD/MMC memory card.
- ▶ Press the  button on the front panel again. The front panel moves up and closes the SD/MMC memory card slot.

iPod® mode

Supported iPod® variants

- i** iPod® is a registered trademark of Apple Inc., Cupertino, California, USA.

The following iPod® versions are supported:

- iPod® classic 120 GB
- iPod® classic
- iPod® nano 4G
- iPod® nano 3G
- iPod® touch 3G
- iPod® touch 2G
- iPod® touch
- iPod® 5G

Connecting an iPod®

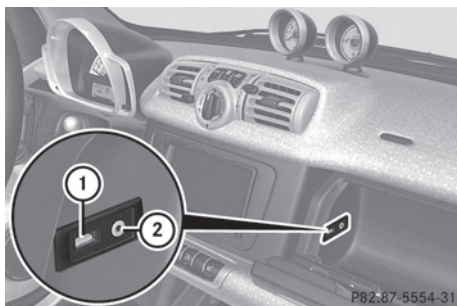
To connect an iPod® to the USB port in the glove compartment, you will need a USB-HID cable from the accessories range. You can obtain further information from your smart Centre.

- i** Never leave an iPod® in the vehicle as extreme temperatures (e.g. if subjected to direct sunlight or to extremely low outside temperatures) may prevent it from functioning correctly (see the separate operating instructions of the respective device). smart does not take responsibility for any damage to external devices.
- ▶ Connect the iPod® to the corresponding port.
- i** Connecting an iPod which has been excessively discharged can result in an extended initialisation period.

Operation via a USB/AUX port

USB/AUX port

The ports are in the glove compartment on the left-hand side.



① USB port

② AUX port

You can connect an external audio source (AUX) to the smart high line radio.

The USB port supports the following USB devices:

- USB sticks (flash memory)
- USB hard drives requiring a permanent current of a maximum of 500 mA (it may be necessary to connect a separate power supply)

i The smart high line radio supports USB storage media of "USB Device Sub-class 6". Information concerning USB Device Subclass 6 is available from the equipment manufacturer.

A maximum of 20,000 tracks or music files are played. If the USB storage medium is divided into several partitions, only the first partition found is played.

Size specifications for a partition:

- USB sticks < 64 GB
- USB hard drives < 1000 GB

Partitions of over 256 GB result in an extended initialisation period. It could therefore take a long time before playback starts.

The storage space must be smaller than 256 GB for media files.

For more details and a comprehensive list of supported devices, please contact a smart Centre.

Connecting an audio device to AUX

- Connect the audio device using a 3.5 mm stereo jack plug with AUX port ②.
- Please see the respective operating instructions for how to operate the external audio source.

Connecting a USB device

i Do not leave external devices in the vehicle as their correct function cannot be guaranteed if they are subjected to extreme temperatures (e.g. if subjected to direct sunlight or very low outside temperatures) (see the operating instructions of the respective device). smart does not take responsibility for any damage to external devices.

- Connect the USB device to USB port ①.

Bluetooth® audio mode

Conditions

Bluetooth® audio device

Bluetooth® audio mode requires a Bluetooth®-capable audio device.

Not all Bluetooth® audio devices available on the market are equally suitable. You can obtain more detailed information about suitable Bluetooth® audio devices and about connecting Bluetooth® audio devices to the smart high line radio from your smart Centre.

Before using Bluetooth® audio mode, you should check your Bluetooth® audio device for the following (see the Bluetooth® audio device's operating instructions):

- Bluetooth® audio profile
The Bluetooth® audio device must support the A2DP and AVRCP Bluetooth® audio profiles.

i A2DP (Advanced Audio Distribution Profile): Bluetooth® audio profile for audio data transmission

AVRCP (Audio Video Remote Control Profile): Bluetooth® audio profile for audio data control

► **Bluetooth® visibility**

On certain Bluetooth® audio devices, as well as activating the Bluetooth® function, the device itself must also be made "visible" for other devices (see the Bluetooth® audio device's operating instructions).

► **Bluetooth® device name**

Every Bluetooth® device has its own Bluetooth® device name. This device name is freely definable, but can be identical for all devices from the same manufacturer. You should therefore change the name of the device so that you can correctly identify your Bluetooth® audio device (see the Bluetooth® audio device's operating instructions).

► **Activate Bluetooth® and Bluetooth® visibility on the Bluetooth® audio device.**

General information

You will need to register your Bluetooth® audio device before using it with the smart high line radio for the first time.

This process includes:

- the search by the Bluetooth® audio device as well as
- subsequent connection.

You can connect up five Bluetooth® devices.

i If you register a mobile phone that supports Bluetooth® Audio and transmits the A2DP and AVRCP Bluetooth® audio profiles, these profiles are connected automatically. The mobile phone is then entered in both the Bluetooth® telephones list (> page 55) and in the Bluetooth® Audio device list.

i The functions supported depend on the Bluetooth® audio device or the mobile phone.

Connecting Bluetooth® audio devices

- Proceed as described in the "Registering and connecting a mobile phone" section of the Telephone section (> page 55). Press **Audio streaming** instead of **Mobile phone** in the "New device" menu.

Activating music mode

Option 1: inserting or connecting a data medium


- Insert a CD/DVD (> page 72) or a SD/MMC memory card (> page 73).

or

- Connect a USB device (> page 74), an iPod® (> page 73) or an audio device (> page 74).

or

- Connect a Bluetooth® audio device to the smart high line radio (> page 75).

- **To start playback:** playback starts automatically for CDs/DVDs. For all other data mediums, press  in the basic display.

Option 2: select a data medium in the music main menu

A CD/DVD or an SD/MMC memory card is inserted or a data medium is connected to the smart high line radio.

- Press **Music** in the main menu (> page 8). The music main menu appears.



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Music main menu

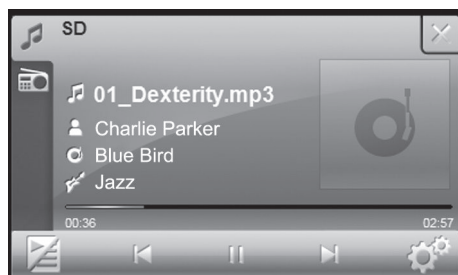
- Press on a data medium symbol.
The data medium is read. Playback then starts.



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CD/DVD mode (example)

- (1) The status bar shows the current mode and the current playback options
- (2) Display with track, artist, album name and genre (if supplied), with the playback bar underneath
- (3) Menu bar



P82.60-7971-31

SD memory card mode (example)

- ❗ For USB mode and SD/MMC memory card mode, the cover is shown on the display if the corresponding data is contained in the ID3 tag.

Switching off music mode

- Press in the relevant basic display.
The last active main function is shown.

Pause function

- Press in the relevant basic display.
Playback is interrupted. is shown instead of .
 - **To continue playback:** press .
- Playback continues from the point where it was interrupted.

Selecting a track

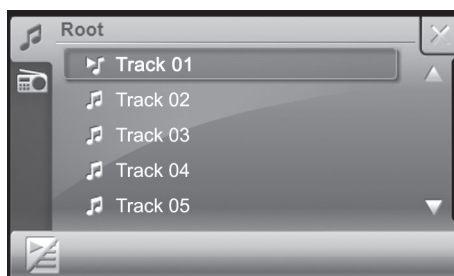
By skipping

- Press or in the relevant basic display.
The skip forward function skips to the next track.
Skipping backwards restarts the current track (if it has been playing for more than 8 seconds) or starts the previous track (if the current track has only been playing for a shorter time).



If you have activated the **Mix** playback option, the tracks are played in a random order. Depending on the data medium, all the tracks on the medium, the tracks with a certain playback criteria or the tracks in a folder are played.

By track list

- Press the symbol at the bottom left in the relevant basic display.
The track list appears.





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- ▶ Press  or  to scroll in the track list.
- ▶ Select a title.
The track is played.
- ▶ **To return to the basic display:** press the symbol at the bottom left.

Fast forward/rewind

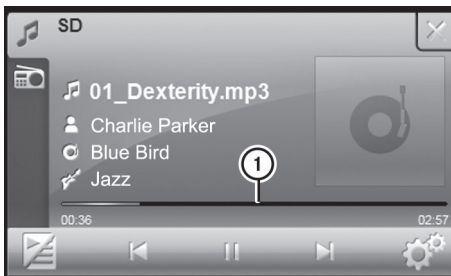
There are two options for this function. The second option can be used when playing a CD/DVD, an SD/MMC memory card or a USB device.

Option 1

- ▶ Press and hold  or  until the desired position has been reached.
- ❗ On an iPod®, fast rewind only functions within the current track.

Option 2

- ▶ Press somewhere on playback bar ① in the following picture.



P82.60-8156-31

- ① Playback bar

Selecting a folder

This function is available in MP3 mode.

- ▶ Press the symbol at the bottom left in the relevant basic display.
The track list appears.
- ▶ **To call up the next higher folder level:** press the folder symbol on the bottom right.

- ▶ **To open a folder:** press a folder symbol.
The folder content is shown.

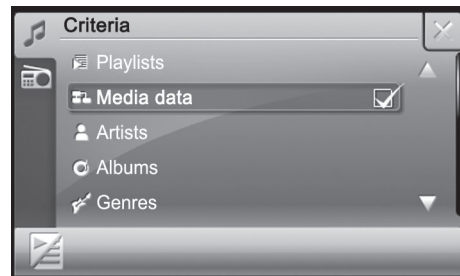
Playback criteria

General information

You can select playback criteria for iPods®, USB devices and SD/MMC memory cards. Playback criteria include, for example, playlists, artists or genres. After selecting a criteria and a sub-entry, you will then hear the corresponding tracks. The folder structure can be displayed using the **Media data** criteria.

Selecting playback criteria

- ▶ Press the symbol at the bottom left in the relevant basic display.
The track list appears.
- ▶ Press magnifying glass symbol ②.

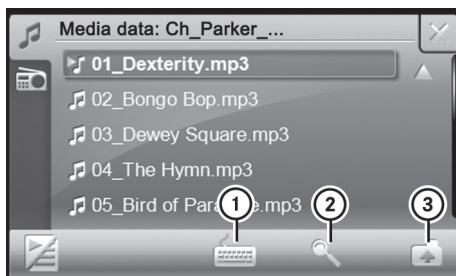


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- ▶ Press one of the playback criteria.
If you press **Artists**, for example, a list of available artists appears.
- ▶ Select an artist.
A list of available tracks is shown.
- ▶ Press a track to start playback.

Displaying metadata

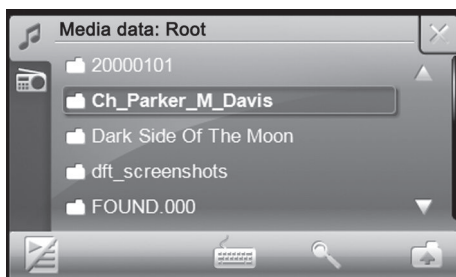
- ▶ Press **Metadata** in the "Criteria" display.
A folder structure or a track list appears.



P82.60-7972-31

- ① Alphabetical track search
- ② Search by playback criteria
- ③ Selects the next highest folder level

- Press folder symbol ③.
The folder structure appears.



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Folder structure (highest level)

- When the highest folder level is shown, press on the folder symbol at the bottom right again.
The **Criteria** message appears again.

Track search

This function is available within the displayed list for USB mode and SD/MMC memory card mode.

- Press symbol ① in the track list or after selecting a playback criteria (e.g. **Artists**).
An input menu appears.
- Enter characters. There is a description of how to enter characters in the "Enter-

ing characters in the phone book" chapter (► page 13).
The search entry is entered in the upper line.

- Press **OK** and confirm the entry.
A list shows the entries found.
- Press **▲** or **▼** to scroll in the track list.
- Select a title.
The track is played.


Playback options

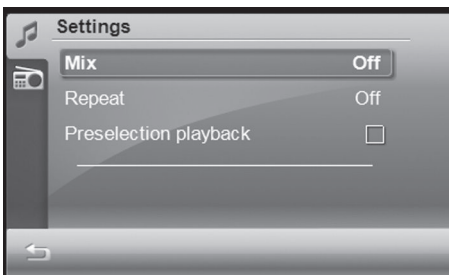
Available playback options

i This function is not available for Bluetooth® audio devices.

Playback options	Discs	Playback
Mix	<ul style="list-style-type: none"> • Audio CD, audio DVD • MP3 CD, MP3 DVD • iPod® • USB device • SD/MMC memory card 	You hear the tracks in random order. Depending on the data medium, the tracks in the folder, the tracks that match the current criteria or all the tracks on the entire medium are played.
Repeat	<ul style="list-style-type: none"> • Audio CD, audio DVD • MP3 CD, MP3 DVD • iPod® • USB device • SD/MMC memory card 	The track that is currently being played is repeated for as long as the function is activated. Depending on the data medium, the current track, all the tracks that match the current criteria or all the tracks in the folder are repeated.
Preselection playback	<ul style="list-style-type: none"> • USB device • SD/MMC memory card 	When this function is activated, the next track to be played can be preselected in the track list.

Selecting playback options

- Press the  symbol in the relevant basic display. The "Settings" menu appears.




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Playback options for SD memory cards (example)

- Press a playback option. If you have selected **Mix**, you switch between the **Off**, **Folder** and **Medium** settings.

If you have selected **Repeat**, you switch between the **Off**, **Track** and **Folder** settings.

If you have selected **Preselection playback**, you either switch the function on ☒ or off ☐, depending on the previous status.

- **Preselection playback:** when the function is activated, press  or  in a track list and set the selection marker to the next track to be played. The preselected track is played after the current track has been played.

i If you switch to the track list, the settings for **Mix** and **Repeat** are reset to **Off**.

Notes on music mode

Data medium and supported audio formats

CD/DVD with music files	aac, mp2, mp3, wma
USB devices (sticks, hard discs) SD/MMC memory card	aac, m3u, mp3, ogg, pls, wav, wma, wpl
Bluetooth® audio device with Bluetooth® audio profile A2DP	mp3, wma

Explanation of the most important audio formats:

- aac – digital audio data compression format, susceptible to sound quality impairments
- mp2 – digital audio data compression format, susceptible to sound quality impairments, standard for digital radio
- mp3 – compression format (MPEG1 Audio Layer 3), susceptible to sound quality impairments, standard for transfer and playback of music on digital audio players
- m3u – file format for saving multimedia playlists
- ogg – free-of-charge, loss-free compressed format for digital audio
- pls – file format for saving multimedia playlists, contains additional track information not contained in the "m3u" format
- wma – audio file compression technology developed by Microsoft®

i The MP3 audio encoding method is under licence from Fraunhofer IIS (Institut Integrierte Schaltungen – Institute for Integrated Circuits) and Thomson.

Permissible file systems

- ISO9660/Joliet standard for CDs
- UDF for audio DVDs
- FAT16 for SD memory cards, FAT32 for SDHC memory cards
- FAT32 for USB storage medium (USB sticks, USB hard drives)

Permissible bit and sampling rates

MP3

smart high line radio supports MP3 files with the following properties:

- fixed and variable bit rates from 32 kbit/s to 320 kbit/s
- sampling rates of 8 kHz to 48 kHz

WMA

smart high line radio supports WMA files with the following properties:

- fixed bit rates of 8 kbit/s up to 384 kbit/s
- sampling rates of 8 kHz to 48 kHz

smart high line radio does not support WMA files with the following properties:

- DRM (Digital Rights Management) encrypted files
- variable bit rate
- WMA Pro
- 5.1 (two-channel sound in the downmixing process)

i The downmixing process converts a multichannel sound into a two-channel sound.

i Only use tracks with a bit rate of at least 128 kbit/s and a sampling rate of at least 44.1 kHz. Lower rates can cause a noticeable deterioration in quality.

Notes for SD/MMC memory cards and USB devices

Observe the following notes for fast access to your music data or playback within a category:

- Limit the number of folder entries to a maximum of 255. This recommendation also applies to the highest directory (root).
- The maximum directory depth must not be more than ten levels.
- Avoid very large music files.

Notes on copyright

MP3 or WMA tracks that you create or play back are generally subject to copyright protection in accordance with the applicable international and national regulations.

In many countries, reproductions, even for private use, are not permitted without the prior consent of the copyright holder.

Make sure that you know about the applicable copyright regulations and that you comply with these.

If you own these rights yourself, e.g. for your own compositions and recordings, or if the copyright holder has granted you permission, these restrictions do not apply.

Notes on CDs/DVDs

Discs with copy protection are not compatible with the audio CD standard. smart high line radio may not be able to play them.

There may be playback problems when playing copied discs. There is a wide range of data carriers, disc-writing software and writers available. This variety means that there is no guarantee that the system will be able to play discs that you have copied yourself.

There may be playback problems if you play CDs that you have copied yourself with a storage capacity of more than 700 MB. CDs

of this type do not conform to the currently applicable standards.

! Do not affix stickers or labels to the discs. They could peel off and damage the drive.

The drive is designed to hold discs which comply with the EN60908 standard. Therefore, you can only use discs with a maximum thickness of 1.3 mm.

If you insert thicker discs, e.g. those that contain data on both sides (DVD on one side and audio data on the other), they cannot be ejected and can damage the drive.

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

i The device can play audio CDs with high-resolution multichannel audio format. Super audio CDs are played back at CD quality.

Audio settings

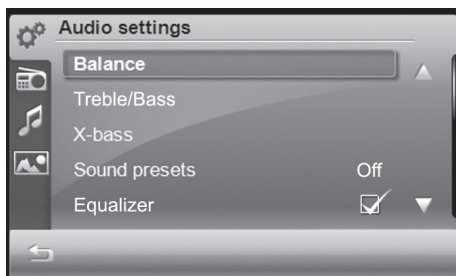
Calling up the "Audio settings" menu

Option 1

- ▶ Select **Extras** from the main menu (> page 8).
- ▶ Select **Options** from the menu. The "General settings" menu appears.
- ▶ Select **Audio settings**.

Option 2

- ▶ Press the **MENU** button for longer than two seconds.



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You can make the following audio settings:

- Balance
- Bass/treble
- X-bass
- Sound profile
- Equaliser
- Dynamic Noise Covering

i The settings for balance, bass/treble and X-bass can be found in the "At a glance" section (> page 16).

Selecting a sound profile

- Call up the "Audio settings" menu. The entry on the right beside **Sound presets** shows the current setting.
- Select **Sound presets**. A list appears. The ☒ icon indicates the current setting.
- Select **Off** or **Pop**, **Classical** or **Vocal**. The setting is accepted and the list closes automatically.

Equaliser

- Call up the "Audio settings" menu. The entry on the right beside **Equalizer** shows the current setting.
- Select **Equalizer**. Switch the function on ☒ or off ☐.

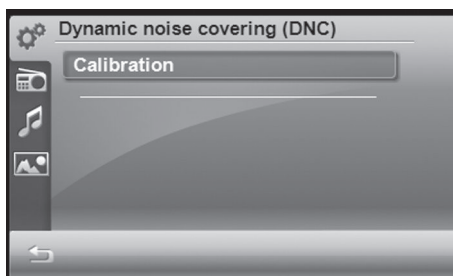
Dynamic Noise Covering

The equaliser cannot solve all of the acoustic problems in the vehicle. When driving, listening pleasure is significantly affected by engine, wind and road noise. DNC (Dynamic Noise Covering) relieves the driver of the inconvenience of having to make readjustments. The function ensures outstanding sound quality, with the volume and sound characteristics appearing to remain constant, even during the journey. The volume is adjusted depending on the current background noise and the dynamics are controlled so that even the quietest sections can be heard clearly.

Before using DNC, calibrate your vehicle values using the microphone integrated in the smart high line radio. You can then select six different volume increase levels for DNC, **0** (none) to **5** (maximum).

Carry out the calibration process while the vehicle engine is switched off and switch on an audio source, e.g. the radio.

- Call up the "Audio settings" menu (> page 81).
- Press **Dynamic noise covering (DNC)**.



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- **To calibrate the microphone:** press **Calibration**. The **Silence please ! Calibrating DNC** message then appears. The **DNC calibration successful** message appears once the calibration process is completed.



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- ▶ **To select a volume increase:** press **Level**.
A settings menu appears.
- ▶ Press **◀** or **▶** to select a level from **0** (none) to **5** (maximum).
- ▶ Press ☒ and confirm the selection.
The settings menu closes.

Video

Video mode

Safety note

Risk of accident

Only when the vehicle is stationary should you:

- load a disc
- eject a disc

There is a risk of being distracted from the road and traffic conditions if this is done while the vehicle is in motion.

DVD playback conditions

There are video DVDs available on the market which do not conform to the current standards. Such DVDs may have picture, sound or other playback problems.

The smart high line radio can play back video DVDs produced according to the following standards:

- region code 2 (for Europe) or region code 0 (no region code)
- PAL or NTSC standard

You will generally find the relevant details either on the DVD itself or on the DVD case.

- i** The smart high line radio is set to region code 2 at the factory.
- i** If you insert a video DVD with a different region code, you will see a message to this effect.

Function restrictions

If you would like to use the video function, you first need to:

- ▶ switch off the navigation (▷ page 25).
- ▶ apply the parking brake (see the vehicle Owner's Manual).

The video image is hidden during the journey. The **For safety video watching is not possible while driving or navigating !** message appears.

Data medium for video mode

The following data mediums can be used for playback:

- Video DVD/video CD
- Video DVD/video CD with video files
- USB device
- SD/MMC memory card

Switching video mode on


Option 1: inserting or connecting a data medium

- ▶ Insert a video DVD/video CD (▷ page 72).
or

- ▶ Insert an SD/MMC memory card (▷ page 73).
or

- ▶ Connect a USB device (▷ page 74).
The data medium is read.

- ▶ **To start playback:** playback starts automatically for video DVDs/video CDs. For

all other data mediums, press  in the basic display.

Option 2: select a data medium in the video main menu

A data medium is inserted or connected to the smart high line radio.

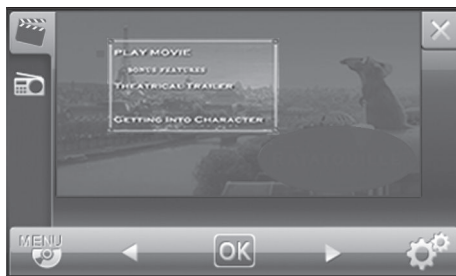
- Press **Video** in the main menu (> page 8). The video main menu appears.



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Video main menu

- Press on a data medium symbol. The data medium is read. The DVD menu appears if **CD/DVD** was selected and a video DVD is inserted.



P82.60-8053-31

Display with DVD menu (example)

Depending on the data medium selected, the following are shown:

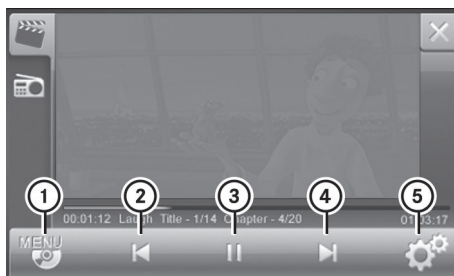
- the DVD menu (video DVD/video CD)
- the video image (video DVD/video CD with video files, USB device, SD/MMC memory card)

Starting playback

- **The DVD menu is displayed:** press **OK**.

Playback starts.

If the **Automatic full screen** setting is activated (> page 88), playback is in full screen mode.




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Explanation of the symbols in the navigation menu (DVD video)

- ① Calling up the DVD menu
- ② Previous chapter
- ③ Pause function
- ④ Next chapter
- ⑤ Makes settings

A list symbol is shown in ① if a video DVD/video CD with video files, a USB device or a SD/MMC memory card is selected. After confirming, you can select a video file from the list (> page 86).

Depending on the video source selected, the skipping forwards/back and fast forward/rewind functions may be available using ② and ④.

- Press  in the navigation menu. Playback starts.

Switching to full screen mode


- Press the video image when the navigation menu is displayed.

i Switching to full screen mode takes place after ten seconds, if the "Automatic full screen" function is activated (> page 88).

Showing the navigation menu

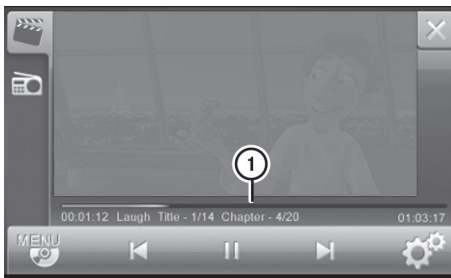
- Press the video image in the full screen mode.

Deactivating video mode

- Press  in the basic display.
The last active main function is shown.

Skip forwards/back

- Show the navigation menu (▷ page 85).









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① Playback bar

- Press somewhere on the playback bar.
Playback is continued from the selected position.

Discs	Display under the playback bar
Video DVD, video CD	Line 1: elapsed playback time (blue) Line 2: elapsed playback time, film track, current track/total tracks, current chapter/total tracks, total playing time
Video DVD, video CD with video files	Line 1: elapsed playback time (blue) Line 2: elapsed playback time, video file name, current track/total tracks, total playing time
all other data mediums	Line 1: elapsed playback time (blue) Line 2: elapsed track time, video file name, track length

Pause function



- Show the navigation menu (▷ page 85).
- Press  in the navigation menu.
Playback is interrupted.  is shown instead of .
- **To continue playback:** press .
Playback continues from the point where it was interrupted.  is shown instead of .

Selecting a scene/chapter

This function can be used when playing a video DVD/video CD.

If the film is divided into scenes or chapters, you can select them directly while the film is running, or skip forwards step-by-step. Some DVDs/CDs do not permit this at certain points (e.g. during the opening credits).



It may also be possible to select the scene/ chapter from within the menu stored on the DVD.

- ▶ **To skip forwards or backwards:** show the navigation menu (▷ page 85).
- ▶ Briefly press  or  in the navigation menu.

Selecting video files

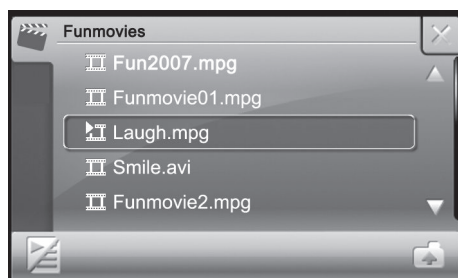
This function cannot be selected when playing a video DVD/video CD.

Option 1

- ▶ **To play the next/previous video file:** show the navigation menu (▷ page 85).
- ▶ Briefly press  or  in the navigation menu.
If you have activated the **Mix** playback option, the video files are played in a random order. Depending on the data medium, either all the video files on the medium or all the files in a folder are played.




Option 2

- ▶ Show the navigation menu (▷ page 85).
- ▶ Press the list symbol at the bottom right of the navigation menu.
A list appears.



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List of video files (example)

- ▶ Press  or  to scroll in the list.
- ▶ Press a video file.
- ▶ Press  at the bottom left.
The video file is played.

- i** You can move to the next higher folder using the folder symbol at the bottom right.

The list is exited automatically when playback of the next video file starts.


Fast forward/rewind

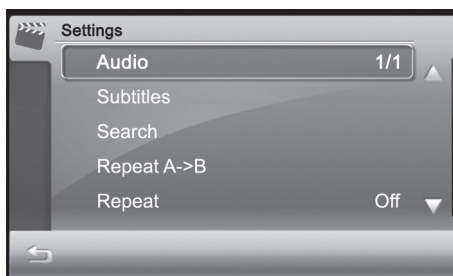
- ▶ Show the navigation menu (▷ page 85).
- ▶ Press and hold  or  until the desired place is reached.

- i** Fast forward/rewind takes place within the actual video file for video DVDs/video CDs.

Settings

Calling up the "Settings" menu

- ▶ Show the navigation menu (▷ page 85).
- ▶ Press symbol  at the bottom right of the navigation menu.
The "Settings" menu appears.
The selection options depend on the data medium selected.



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"Settings" menu (example: video DVD)

Overview

Discs	Functions in the "Settings" menu
Video DVD, video CD	<ul style="list-style-type: none"> • Selecting an audio track • Selecting subtitles • Search (by track, chapter, playback time) • Repeat A -> B • Repeat (chapter, off) • Playback information • Selecting full screen automatically • Setting the viewing angle
Video DVD/video CD with video files	<ul style="list-style-type: none"> • Random (medium) • Repeat (video file, medium, off) • Selecting full screen automatically
USB device, SD/MMC memory card	<ul style="list-style-type: none"> • Random (medium) • Repeat (video file, folder, off) • Selecting full screen automatically

Selecting an audio track (video DVD/video CD)

This function can be selected if the data medium contains multiple audio tracks. If the data medium only contains one audio track, **1/1** is shown.

The selection options depend on the respective data medium.



- ▶ Select the available audio tracks in the "Settings" menu (▷ page 86) by pressing **Audio** repeatedly.

Selecting subtitles (video DVD/video CD)

If the data medium supports subtitles, these can be selected from a list. The selection options depend on the data medium selected.


If the data medium does not support subtitles, **Subtitles not available** is shown.

- ▶ Press **Subtitles** in the "Settings" menu (▷ page 86).

- ▶ Press  or  to scroll in the list.

- ▶ Press a subtitle.

Playback is continued with the selected subtitles.

- ▶ **To exit a list:** press .

Search function (video DVD/video CD)

The search function can be used to continue playback at a certain position. If the data medium is divided into several tracks and chapters, these can be selected directly. Playback can also be continued from another position by entering the playback time.

- ▶ **To enter a track:** press **Search** in the "Settings" menu (▷ page 86).

- ▶ Press **Title** in the menu.

- ▶ Enter the track number in the input menu.

- ▶ Press **OK**.

The corresponding track is played.

- ▶ **To enter a chapter:** press **Search** in the "Settings" menu.

- ▶ Press **Chapter** in the menu.

- ▶ Enter the chapter number in the input menu.
- ▶ Press **OK**.
The corresponding chapter is played.
- ▶ **To enter a playback time:** press **Search** in the "Settings" menu.
- ▶ Press **Time** in the menu.
- ▶ Enter the playback time in the input menu, e.g. 01:05 for 1 hour and 5 minutes.
- ▶ Press **OK**.
Playback is continued from the corresponding position.

Selecting mix

This function can be used for data mediums with video files (video DVD/video CD), USB devices and SD/MMC memory cards.

Option 1

- ▶ Press **Mix** in the "Settings" menu (▷ page 86).
Pressing repeatedly switches between the settings in the order: **Medium**, **Folder** and **Off**.

Option 2

- ▶ Press **Mix**.
Depending on the previous status, the function is switched on ☒ or off ☐.

Repeat A->B (video DVD/video CD)

A film sequence can be repeated. To do this, enter the times for the start (A) and end (B) of the film sequence.

- ▶ Press **Repeat A -> B** in the "Settings" menu (▷ page 86).
- ▶ Enter the start of the film sequence (A) in the input menu, e.g. 00:30 for 30 minutes.
- ▶ Press **OK**.
- ▶ Enter the end of the film sequence (B) in the input menu, e.g. 00:38 for 38 minutes.
- ▶ Press **OK**.
The film sequence is repeated.

Selecting repeat

- ▶ Press **Repeat** in the "Settings" menu (▷ page 86).
Video DVD/video CD: you switch between the **On** and **Off** settings.

For a video DVD/video CD; the setting applies to a chapter.

For a data medium with video files (video DVD/video CD), the setting either applies to a video file or to the data medium.

USB device, SD/MMC memory card:

depending on the previous status, the function is either switched on ☒ or off ☐.

For USB devices and SD/MMC memory cards, the setting either applies to a video file or the data medium.

Activating playback information (video DVD/video CD)

- ▶ Press **Playback information** in the "Settings" menu (▷ page 86).
Depending on the previous status, the function is switched on ☒ or off ☐.

Switching to full screen automatically

Full screen is selected automatically when playback starts.

- ▶ Press **Automatic full screen** in the "Settings" menu (▷ page 86).
Depending on the previous status, the function is switched on ☒ or off ☐.

Selecting the angle (video DVD/video CD)

This function can be selected if the data medium contains multiple settings for the angle. If the data medium only contains one setting, **1/1** is shown.

- ▶ Press **Angle** in the "Settings" menu (▷ page 86).

Notes on video mode

Data mediums and video formats

Discs	Video formats supported
Video DVD, CD video, super CD video with video files	avi, divx, mpg, mpeg, mp2, xvid
USB devices (sticks, hard discs) SD/MMC memory card	3gp, 3g2, asf, avi, divx, m4v, mp4, mpeg, mpg, wma, wmv, xvid, H.264

- i** Due to differing video codecs (coding/decoding process), not all video files can be played in the "avi" or "mpeg" formats.

Video format	Explanation
3gp	3GPP multimedia file (audio/video container format)
asf	Advanced Systems Format file (audio/video container format)
avi	Audio Video Interleave (audio/video container format)
divx	DivX video file with MPEG-4 codec (DivX 6.0, 4.0) or DivX video file with extension .avi (DivX 3.0 and older)
dvx	DivX video file
m4v	iTunes video format
mp4	MPEG-4 video container format
mpeg, mpg	MPEG video format
wmv	Windows Media Video, video codec

Video format	Explanation
xvid	Video file with MPEG-4 codec
H.264	Standard for video compression

Notes about discs

There may be playback problems when playing copied discs. There are a large variety of discs, DVD authoring software, burning software and burners available. This variety means that there is no guarantee that the system will be able to play discs that you have copied yourself.

- !** Do not affix stickers or labels to the discs. They could peel off and damage the device. Stickers can cause the disc to bend, which can result in read errors and disc recognition problems.

- !** The device is designed to hold discs which comply with the EN 60908 standard. You can therefore only use discs with a maximum thickness of 1.3 mm.

If you insert thicker discs, e.g. those that contain data on both sides (DVD on one side and audio data on the other), they cannot be ejected and can damage the device.

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

Picture viewer

General notes

Using the smart high line radio, you can view pictures in various file formats from different storage mediums individually or as a slide show.

Discs	Supported picture formats
Video DVD, CD video and super CD video with video files	jpeg, jpg
USB devices (sticks, hard discs) SD/MMC memory card	jpeg, jpg, bmp, tif, gif, png

Picture format	Explanation
jpeg, jpg	JPEG image file
bmp	Bitmap image file
tif	Tagged Image File
gif	Graphical Interchange Format file
png	Portable Network Graphic

Function restrictions

If you would like to call up the picture viewer, you first need to:

- switch off the navigation (▷ page 25).
- apply the parking brake (see the vehicle Owner's Manual).

The function is not available while the vehicle is in motion. The **For safety picture viewing is not possible while driving or navigating. Photo viewer will be automatically closed !** message appears.

Calling up the picture viewer

- Select **Extras** from the main menu (▷ page 8).
- Press **Photo** in the menu.
A menu appears for the selection of a storage medium.



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- Select the desired storage medium.
If there are pictures in one of the specified file formats available on the storage medium, the first picture found is displayed. The search takes place alphabetically, starting in the upper directory and then in the folder names that contain picture files.



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Picture viewer

- ① Picture file name
- ② Rotates the picture clockwise
- ③ Displays the next picture
- ④ Starts a slide show
- ⑤ Displays the previous picture
- ⑥ Displays the content of the folder

- **To display full screen:** press on the picture.
- **To show the menu:** press on the picture again.

Picture lists

- ▶ Press ⑥ in the picture viewer (▷ page 90).
The list of pictures appears.



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- ① Searches for a picture file
- ② Scrolls in the list
- ③ Selects the next highest folder level

- ▶ **To select a picture file:** press ▲ or ▼ to scroll in the list.
- ▶ Select the desired picture file.
- ▶ **To search for a picture file:** press ①.
An input menu appears.
- ▶ Enter up to three characters from the beginning of the file name. There is a description of how to enter characters in the "Entering characters in the phone book" chapter (▷ page 13).
- ▶ Press OK.
The search starts.
- ▶ **To select the next highest folder:** press folder symbol ③.



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Displaying pictures

You can view the pictures individually or as a slide show.

- ▶ **To display the next or previous picture:** press ◀ or ▶ in the picture viewer (▷ page 90).
- ▶ **To start a slide show:** press ► in the picture viewer.
- ▶ **To close the slide show:** press the display.



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Rotating pictures

- ▶ Display the picture.
- ▶ Press on the symbol at the bottom right of the picture viewer (▷ page 90).
The picture is rotated clockwise. This setting is not saved.

Publication details

Internet

Further information about smart vehicles and about Daimler AG can be found on the following websites:

www.smart.com

www.daimler.com

Editorial office

You are welcome to forward any queries or suggestions you may have regarding this manual to the technical documentation team at the following address:

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This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.
This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

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