










Operating Instructions

Audio 20



Mercedes-Benz

Symbols

-  Warning
-  Environmental note
-  Possible damage to the vehicle
-  Tip
-  Instruction
-  Continuation symbol
-  (▷ page) Page reference
- Display** Image in the display

Welcome to the world of Mercedes-Benz.

First of all, familiarize yourself with your audio equipment and read the operating instructions, especially the safety and warning notes, before operating the audio equipment. This will help you to obtain the maximum use from the system and avoid endangering yourself and others.

Depending on the model and equipment level, the functions of your audio equipment may deviate from certain descriptions and illustrations.

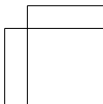
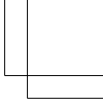
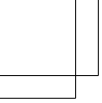
Mercedes-Benz is constantly updating its audio equipment to the state of the art and therefore reserves the right to introduce changes in design, equipment and technical features at any time.

You cannot, therefore, base any claims on the data, illustrations or descriptions in this manual.

Please consult an authorized Mercedes-Benz Center should you have any questions.

This manual is an integral part of the vehicle. You should always keep it in the vehicle and pass it on to the new owner if you sell the vehicle.

The technical documentation team at Daimler AG wishes you safe and pleasant motoring.



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Operating safety

General information

WARNING

To avoid distractions that could lead to an accident, you should only change system settings when the vehicle is stationary and operate the system only when road, weather, and traffic conditions permit.

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

For safety reasons, we recommend that you stop the vehicle in accordance with traffic conditions before answering or placing a call or before consulting the Audio20 screen to read instructions or downloaded information.

- i Canada only:** This device complies with RSS-210 of Industry Canada. Operation is subject to the following two conditions:
 1. This device may not cause interference, and
 2. this device must accept any interference received, including interference that may cause undesired operation of the device.

Any unauthorized modification to this device could void the user's authority to operate the equipment.
- i USA only:** This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
 1. This device may not cause interference, and
 2. this device must accept any interference received, including interference that may cause undesired operation.

Any unauthorized modification to this device could void the user's authority to operate the equipment.

WARNING

Change or modification not expressly approved by the party responsible for

compliance could void the user's authority to operate this equipment.

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

WARNING

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

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

Correct use

Always observe the following when using the audio equipment:

- the safety notes in this manual
- all road traffic regulations

WARNING

Modifications made to electronic components or software can cause malfunctions.

The radio, satellite radio, amplifier, CD changer and telephone are interlinked. If one component is not functional or if it has been

incorrectly removed/replaced, this could impair the operation of other components.

This could seriously jeopardize the operational safety of your vehicle.

We recommend that you always have maintenance work on electronic components carried out at an authorized Mercedes-Benz Center.

- i** Roof antenna functionality (telephone, satellite radio, GPS) can be affected by the use of roof carrier systems.

Retrofitting metalized plastic films to the windows can affect radio reception and lead to poorer reception of all other antennas (e.g. emergency call antennas) inside the vehicle.

- i** **Protection against theft:** this device is equipped with technical provisions to protect it against theft. Further information on protection against theft can be obtained from an authorized Mercedes-Benz Center.

- !** Electronic devices that you bring into the vehicle yourself can cause significant problems with the radio reception.

Audio device features

These Operating Instructions describe all standard and optional equipment available for your audio device at the time of going to print. Country-specific deviations are possible. Please note that your audio equipment may not offer all the features described. This includes safety-related systems and functions. The equipment in your vehicle may therefore differ from some of the descriptions or illustrations.

The original purchase agreement lists all systems installed in your vehicle. Contact an authorized Mercedes-Benz Center if you have any questions about equipment or operation.

Function restrictions

For safety reasons, some Audio 20 functions are restricted or unavailable while the vehicle is in motion. You will notice this, for example, because you will either not be able to select certain menu items or because Audio 20 will display a message to that effect.

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Audio 20 operating system

Overview



	Function	Page
①	Display (cover open)	15
②	Control panel with a single CD drive or a CD changer	11
③	Controller	12

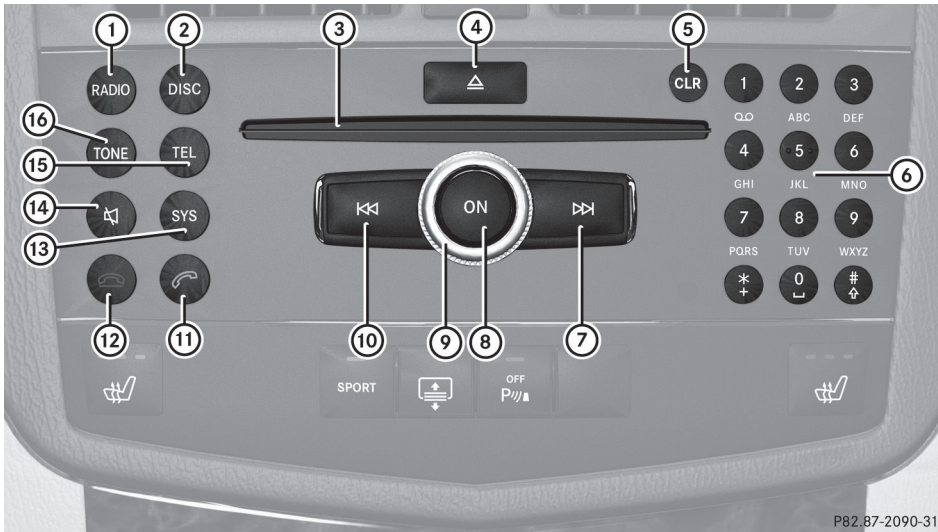
Audio 20 components

Audio 20 consists of:

- the control panel with a single CD drive or a CD changer
- the display
- the controller

In addition, Audio 20 can be operated via the multifunction steering wheel.

Audio 20 control panel



P82.87-2090-31

At a glance

Function	Page	Function	Page
① Switches to radio mode Switches wavebands Switches on satellite radio mode	44 44 47	⑦ Selects a station using the station search function Selects the next track Fast forward	44 53 54
② Switches to audio CD or MP3 mode	51	⑧ Switches Audio 20 on/off	18
③ Disc slot Inserts CDs Removes CDs	51 51	⑨ Adjusts the volume	19
④ Load/eject button		⑩ Selects a station using the station search function Selects the previous track Rewind	44 53 54
⑤ Clear button • Deletes characters • Deletes an entry		⑪ Accepts a call Dials a number Accepts an incoming call Redials	36 37 36 38
⑥ Number pad • Selects stations via the station presets • Stores stations manually • Telephone number entry • Sends DTMF tones • Character entry	45 45 37 39	⑫ Rejects a call Ends an active call Rejects an incoming call	36 38 36
		⑬ Calls up the System basic menu	15

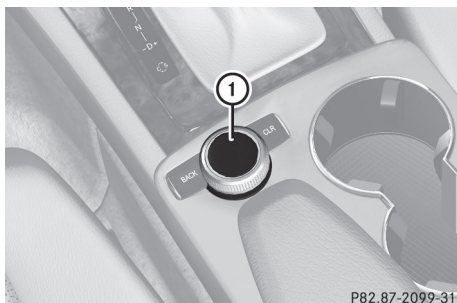
	Function	Page
⑭	Mute Switches the hands-free system on/off	19

	Function	Page
⑮	Calls up the telephone basic menu	36
⑯	Sound settings	19

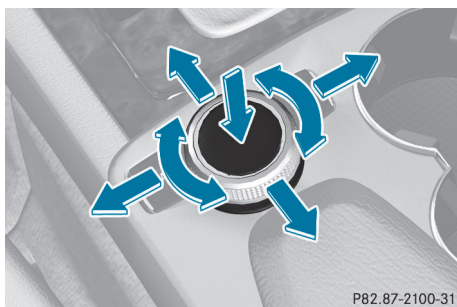
Audio 20 controller

Introduction

You can use the controller to select functions in the display. This is done by means of a selection bar.



① Controller



The controller can be:





- pressed briefly or pressed and held
- turned clockwise or counter-clockwise
- slid to the left, to the right, up or down

In this way you can:

- scroll within menus
- select menu items
- exit menus

i Operation of Audio 20 via the controller is not possible when the cover is closed.

Overview

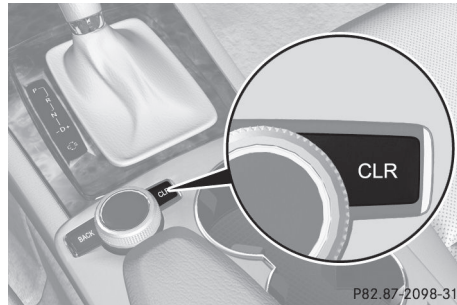
Symbol	Controller operation	Function (example)
	Press briefly	<ul style="list-style-type: none"> • Selects a menu item
	Press and hold until the selected action is carried out	<ul style="list-style-type: none"> • Stores stations
	Turn	<ul style="list-style-type: none"> • Scrolls through vertical or horizontal menus • Scrolls through text • Makes settings
	Slide	<ul style="list-style-type: none"> • Scrolls through a vertical menu • Exits a horizontal menu
	Slide	<ul style="list-style-type: none"> • Scrolls through a horizontal menu • Exits a vertical menu
	Slide and hold	<ul style="list-style-type: none"> • Fast forward or rewind during CD playback • Scrolls through lists

Back button



- ▶ **To go up a menu level:** briefly press the **BACK** back button. Audio 20 changes to the next higher menu level in the current operating mode.
- ▶ **To switch to the basic menu:** press and hold the **BACK** back button. Audio 20 changes to the basic menu of the current operating mode.

Clear button



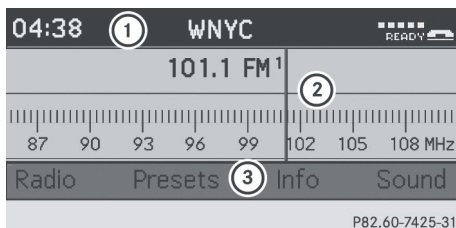
- ▶ **To delete individual characters:** briefly press the **CLR** clear button.
- ▶ **To delete an entire entry:** press and hold the **CLR** button.

Audio 20 display

Display overview

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

At a glance






Example: radio

- ① Status bar
- ② Display/selection window
- ③ Menu bar with main functions
- i** The layout of the menus may vary, depending on the vehicle's equipment.

Depending on the current setting of Audio 20, the following information can be displayed in the status bar:




- time
- in the Radio basic menu: waveband and station frequency

If a mobile phone is operational, additional information is shown:

- in the Telephone basic menu: Bluetooth[®] device name (telephony via Bluetooth[®] interface)
- signal strength of the mobile phone network  (▷ page 36)
- the  or  receiver icon (▷ page 36)

Menu overview

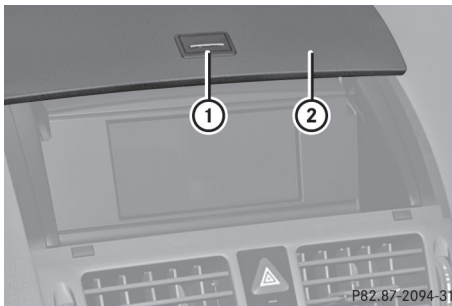
The main functions, i.e. radio mode, CD mode, telephone mode and systems settings, can be reached at the touch of a button. Each main function has a basic menu. Each item in the basic menu can have several submenu items.

Function button	Basic menu	Menu items
	Radio	Radio/SatRadio Presets Sound
	Disc	CD/MP3 Tracklist/folder CD changer Sound
	Telephone	Telephone Name Call lists
	System	System C-Class: Language GLK-Class: Display Off

Opening and closing the cover (C-Class only)

The display is protected by a cover.

! Do not use the cavity between the cover and the display for stowage. Stowed items could damage the display.



- ① Button to open the cover
- ② Cover

► **To open:** when the cover is closed, press button ①.

The cover opens and Audio 20 comes on.

► **To close:** pull the cover down.

If Audio 20 is still switched on, you can continue to listen to the radio or CDs and operate the unit via the buttons on the control panel.

i Operation of Audio 20 via the controller is not possible when the cover is closed.

Notes on cleaning

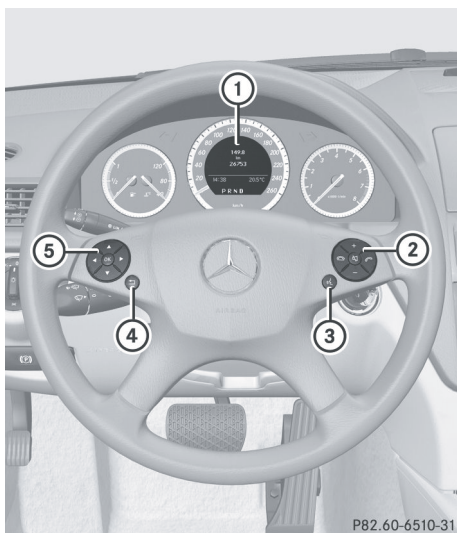
! When cleaning the display must be switched off and cooled down.

Please clean the display screen, when necessary, with a commercially available microfiber cloth and cleaning agent formulated for TFT/LCD displays. Then dry and polish the screen with a dry microfiber cloth.

! Avoid using alcoholic thinners, gasoline or abrasive cleaning agents. These products can damage the display surface.

Multifunction steering wheel

Luxury multifunction steering wheel (12 buttons)



	Function
①	Multifunction display
②	Accepts a call
	Rejects or ends a call
	Increases the volume
	Reduces the volume
	Mute
③	Inoperative

Function

- ④ **Press briefly:** selects next higher menu level (back) or fade out display message
Press and hold: selects the standard display
- ⑤ Calls up the menu line and selects menus
 Press briefly: selects a submenu or scrolls through lists. In the **Audio** menu, this selects a stored station or an audio track.
In the **Tel** (telephone) menu, switches to the phone book and selects a name or telephone number.
Press and hold: in the **Audio** menu, selects the next or previous station or selects an audio track using rapid scrolling.
In the **Tel** (Telephone) menu, starts rapid scrolling through the phone book.
 Confirms selections and fades out messages

Operating Audio 20

Selecting menus

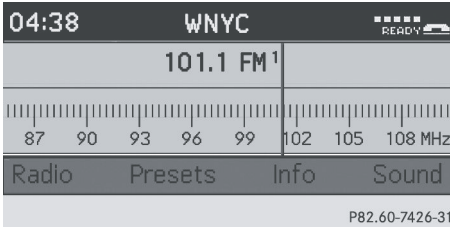
Basic menu

- Press the appropriate function button (, , ,).

The basic menu of the respective function is shown. The main area is active.

The active area is highlighted.

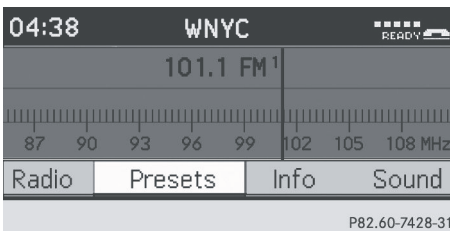
i The following pictures show the display in daytime design (> page 28). The menu highlighting appearance is different depending on the display design.



Switching to the menu list

- ▶ Slide $\odot \downarrow$.

Horizontal menus



Navigating within a menu

- ▶ Slide $\leftarrow \odot \rightarrow$ or turn $\{\odot\}$.
The menu item selected is highlighted in white.

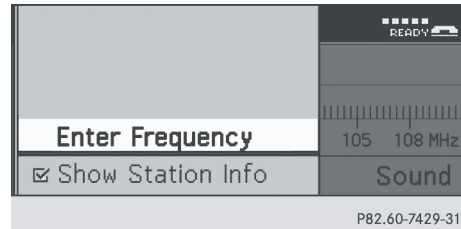
Selecting a menu item

- ▶ Press \odot .

Exiting a menu without making a selection

- ▶ Slide $\uparrow \odot$ in the opposite direction of the list.
- or
- ▶ Press the **BACK** back button on the controller.

Vertical menus



Navigating within a menu

- ▶ Slide $\uparrow \odot \downarrow$ or turn $\{\odot\}$.
The menu item selected is highlighted in white.

Selecting a menu item

- ▶ Press \odot .

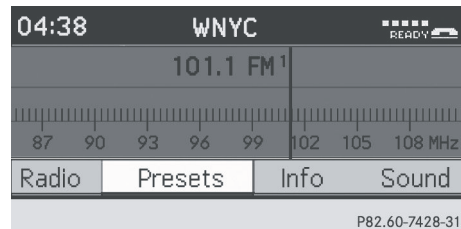
Exiting a menu without making a selection

- ▶ Slide $\leftarrow \odot \rightarrow$ in the opposite direction to the direction of the list.
- or
- ▶ Press the **BACK** back button on the controller.

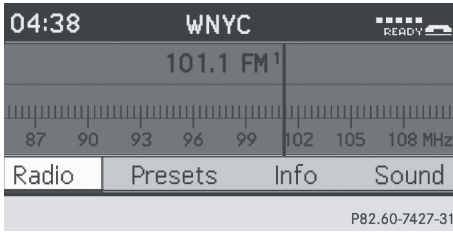
Operating example




Example: you want to select the radio station at FM 104.6 Mhz.

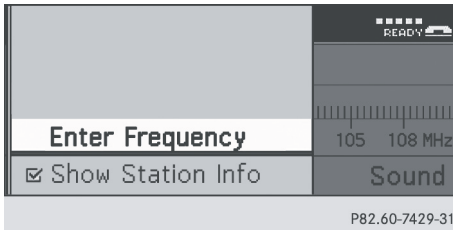
- ▶ Press the \odot button once or several times until the **FM** waveband appears in the status bar.
- ▶ **To switch to the menu bar:** slide $\odot \downarrow$.




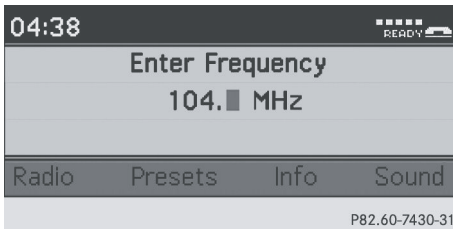
- ▶ **To highlight Radio in the menu bar:**
Slide $\leftarrow \odot$ or turn $\{\odot\}$.



- ▶ **To confirm your selection:** press . A selection list with the functions in the **Radio** submenu appears.
- ▶ **To highlight the Frequency entry function:**
Slide  or turn .



- ▶ **To confirm your selection:** press .

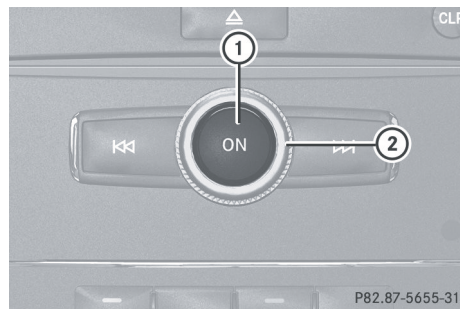


- i** Only permissible numbers for the frequency range can be entered in front of the decimal point. If non-permissible numbers are entered after the decimal point, the next lowest frequency is set.
- ▶ Using the number keypad enter "1046". The station selected is played.

Basic functions of Audio 20

Switching Audio 20 on/off

Overview



- ① **ON** button
- ② Thumbwheel

Switching Audio 20 on



- ▶ Press the **ON** button.
 - or
 - ▶ C-Class only: open the display cover.
 - or
 - ▶ If Audio 20 was on the last time the ignition was switched off, turn the ignition SmartKey to position 2 in the ignition lock.
- The last main function used is reactivated after switching on.

Switching Audio 20 off

- ▶ Press the **ON** button.
 - or
 - ▶ Turn the SmartKey to position 0 in the ignition lock.
- i** If you switch off Audio 20, playback of the current audio source will also be switched off. Even your mobile phone can no longer be controlled via Audio 20.



Mute

Switching the audio source on/off

- ▶ Press the  button.
The sound from the audio source is switched on or off.
- i** When the sound is switched off, you will see the  icon in the status bar.
If you change audio sources or turn thumbwheel ② for volume, the sound is automatically switched on.



Adjusting the volume

Setting the volume for the audio source

- ▶ Turn thumbwheel ②.
- or
- ▶ Press the  or  button on the multifunction steering wheel.
The volume of the audio source currently selected changes.


Adjusting the volume for phone calls

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






- ▶ Turn thumbwheel ② during a phone call.
- or
- ▶ Press the  or  button on the multifunction steering wheel during a telephone call.

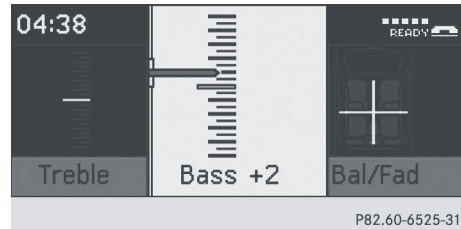
Adjusting the sound settings

Selecting the sound menu

The sound settings can be selected to suit a variety of different audio sources. The sound menu of the current audio source (radio, CD, AUX) can be reached via the respective basic menu or by pressing the  button.




Adjusting treble and bass

- ▶ With the controller (,  or ), select **Sound** and press  to confirm.
- ▶ Select **Treble** or **Bass** and press  to confirm.



Example: Bass






The current setting is indicated by a red needle.

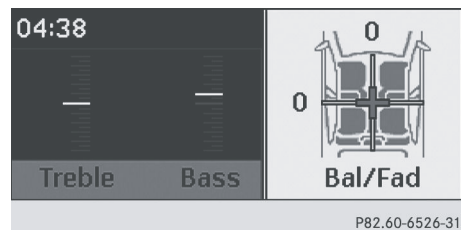
- ▶ **To change the setting:** slide ,  or turn  until the desired treble and bass levels are set.
When you exit the menu, the current setting is stored.

Adjusting balance and fader

With the balance function, you can control whether the sound is louder on the driver's or front-passenger side.

Using the fader determines whether the sound is louder in the front or the rear of the vehicle.

- ▶ With the controller (,  or ), select **Sound** and press  to confirm.
- ▶ Select **Bal/Fad** and press  to confirm.



- ▶ **To change the setting:** slide $\uparrow\odot\downarrow$ or turn $\{\odot\}$ until balance and fader are set as desired.

When you exit the menu, the current setting is stored.

Surround sound

General notes

If your vehicle is equipped with the harman/kardon Logic 7[®] surround sound system, you can choose between the settings **LOGIC7[®]on** and **LOGIC7[®] off**.

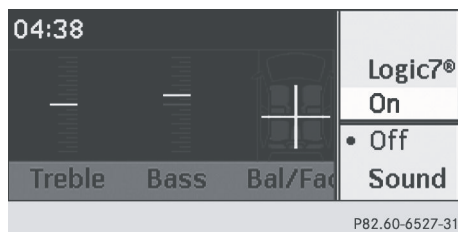
The harman/kardon[®] Logic 7[®] surround sound system is available for the following operating modes:

- audio CD
- MP3
- radio (FM) and satellite radio
- AUX

- i** If you select **LOGIC7[®]off**, the sound system plays the tracks as stored on the medium. Due to the design of the passenger compartment, an optimum audio experience cannot be guaranteed for all passengers.

Switching surround sound on/off

- ▶ With the controller ($\odot\uparrow$, $\leftarrow\odot\rightarrow$ or $\{\odot\}$), select **Sound** and press \odot to confirm.
- ▶ Select **Sound** and press \odot to confirm.



The • dot indicates the current setting.

- ▶ **To select a setting:** slide $\uparrow\odot\downarrow$ or turn $\{\odot\}$.

- ▶ **To save a setting:** press \odot .
The setting is stored and you exit the menu.

- i** Balance and fader settings are automatically reset to the standard value (0/0) when Logic 7[®] is switched on or off.

- i** Please bear the following in mind:
 - for an optimum audio experience on all seats when Logic 7[®] is switched on, balance and fader should be set to the center of the passenger compartment.
 - MP3 tracks should have a bit rate of at least 128 kbit/s.
 - surround-sound playback does not function for mono signal sources, such as the medium wave range (MW) in radio mode.
 - if radio reception is poor, e.g. in a tunnel, you should switch off Logic 7[®], as it may otherwise switch between stereo and mono and cause temporary sound distortions.
 - on some stereo recordings, the sound characteristics may differ from conventional stereo playback.

Rear Seat Entertainment System

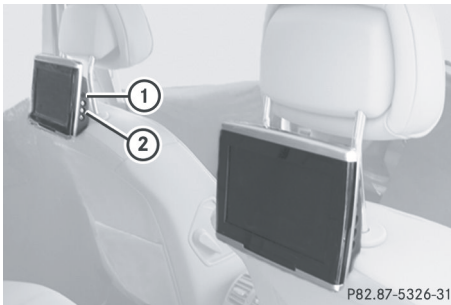
Components

Overview

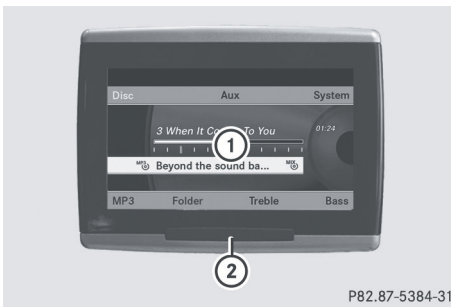
The Rear Seat Entertainment System is comprised of:

- two rear-compartment screens behind the front-seat head restraints
- a remote control
- a CD/DVD drive
- AUX jacks on both screens (display AUX) and on the CD/DVD drive (drive AUX)
- two sets of cordless headphones

Rear-compartment screens



- ① Socket for corded headphones
- ② AUX jacks; for a detailed view, see CD/DVD drive (> page 23)



- ① Display
- ② Infrared receiver diodes

Remote control

Overview



P82.87-6643-31

- ① To switch the screen on/off
- ② To switch the button lighting on/off
- ③ To select the screen for the remote control
- ④ To select a menu or menu item
- ⑤ To confirm a selection or setting
- ⑥ To switch the sound on/off (for corded headphones)
- ⑦ To adjust the volume (for corded headphones)
- ⑧ To skip to a track, fast-forward/fast-rewind
- ⑨ To select a track; direct entry
- ⑩ To exit a menu (back)

Selecting the screen for the remote control

You can use the remote control to operate one of the two rear screens at a time. To do so, you must switch the remote control to the desired screen.

- ▶ **To select the left-hand screen:** turn thumbwheel ③ until "L REAR" is highlighted in the window.
- ▶ **To select the right-hand screen:** turn thumbwheel ③ until "REAR R" is highlighted in the window.

Switching the screen on/off

- ❗ If the SmartKey is in position **0** or **1** in the ignition lock (see the vehicle Operator's Manual), or the SmartKey is not inserted, the screens in the rear will switch off after 30 minutes.

Before the screens switch off, they show a message to this effect.

You can switch the screens back on. However, this will discharge the starter battery.

- ▶ Point the remote control at the rear-compartment screen which has been selected for remote operation.
- ▶ Press button ① on the remote control. The respective rear screen switches on or off.

- ❗ You can only switch the screens on using the remote control if the ignition is switched on.

Switching the button lighting on/off






- ▶ Press button ② on the remote control. Depending on the previous status, the button lighting is switched on or off.

- ❗ If you do not use the remote control for about 15 seconds, the button lighting switches off automatically.

Mute

- ▶ Press button ⑥ on the remote control.
The sound is on or off.

Selecting a menu/menu item and confirming your selection

- ▶ Select a menu/menu item using the     buttons on the remote control and press the  button to confirm.

CD/DVD drive and AUX jacks

The CD/DVD drive is located in the center behind the front seats.



- ① CD/DVD slot
- ② AUX, right-hand (R) jack for audio signal
- ③ AUX, left-hand (L) jack for audio signal
- ④ AUX, jack for video signal (V)
- ⑤ CD/DVD eject button

The AUX jacks shown are for the AUX drive. Identical jacks can be found on the right-hand side of the rear-compartment screens (AUX display) (▷ page 21).

Cordless headphones

Overview



P82.87-2576-31

- ① Volume control
- ② To select a screen for the headphones
- ③ Battery compartment cover
- ④ To switch the cordless headphones on/off
- ⑤ Indicator lamp with various displays (> page 24)

- ▶ Open both sides of the headphones and adjust the fit of the headphones by pulling the headphone band in the direction of the arrow.

To switch the cordless headphones on/off

- ▶ Press button ④.

Depending on the previous status, the headphones are switched on or off.

To preserve the batteries, the headphones automatically switch off if they have not received an infrared signal for approximately three minutes.

Adjusting the volume of the headphones

- ▶ Turn volume control ① until the desired volume has been set.

- ❗ If you have connected corded headphones to a rear-compartment screen, you can adjust the volume by pressing buttons ⑦ on the remote control (> page 22).

To select a screen for the headphones

- ▶ Move push slider ② to **L** (left-hand screen) or **R** (right-hand screen).

Indicator lamp displays

The color of the indicator lamp shows whether the headphones are switched on or off and indicates the charge level of the batteries inserted.

Display	Status
Green	The headphones are switched on and the batteries are fully charged.
Red	The headphones are switched on and the batteries are almost discharged.
No display (dark)	The headphones are switched off, or the batteries are empty, incorrectly inserted or not inserted.

Connecting additional headphones

You can connect one additional set of corded headphones to each of the two rear screens (▷ page 21). The socket is designed for headphones with a 3.5 mm stereo jack plug and an impedance of 32 ohms.

Changing batteries

Batteries are required for the remote control and for the two sets of cordless headphones. For changing batteries, see (▷ page 60).

Audio system features	28
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Reset function	29








Audio system features

i These Operating Instructions describe all standard and optional equipment available for your audio device at the time of going to print. Country-specific deviations are possible. Please note that your audio equipment may not offer all the features described.

Display settings

Display design

You can adjust the brightness of the display to suit the prevailing light conditions.

- ▶ **To call up the System basic menu:** press .
- ▶ With the controller (,  or ), select **System** and press  to confirm.
- ▶ Select **Display** and press  to confirm.
- ▶ Select **Brightness**, **Day Mode**, **Night Mode** or **Automatic** and press  to confirm.

i If you select **Brightness**, an adjustment scale appears which you can use to adjust the brightness manually.

When the **Automatic** setting is selected, Audio 20 evaluates the readings from the automatic vehicle light sensor and switches between the display designs automatically.

Bluetooth® settings

General information about Bluetooth®







Bluetooth® technology is the standard for short-range wireless data transmission of up to approximately 10 meters. To call using the hands-free mode and to receive electronic business cards (vCards) via Audio 20, the Bluetooth® function must be activated.

Further information on telephone operation (> page 33).

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














Activating/deactivating Bluetooth®

- ▶ **To call up the System basic menu:** press the .
- ▶ With the controller (,  or ), select **System** and press  to confirm.
- ▶ Select **Activate Bluetooth** and press  to confirm.









This switches Bluetooth® on or off. A tick appears when Bluetooth® is switched on. Audio 20 is now ready to utilize Bluetooth® functions, e.g. receiving data from other devices or connecting mobile phones.

System language settings

- ▶ **To call up the System basic menu:** press the .
- ▶ **C-Class only:** with the controller (,  or ), select **Language** and press  to confirm.
The list of available languages appears. The
 - dot in front of the list entry indicates the current setting.
- ▶ **GLK-Class only:** with the controller (,  or ), select **System** and press  to confirm.

- ▶ **GLK-Class:** select **Language** and press  to confirm.
The list of available languages appears. The
 - dot in front of the list entry indicates the current setting.
- ▶ Select the language desired and press  to confirm.
The menu system is shown in the selected language.

Reset function

- i** You can reset Audio20 to the factory settings. Among other things, this will delete all personal data (e.g. phone book entries), and all system settings are returned to the factory settings. A system reset is recommended, e.g. before selling the vehicle.
- ▶ **To call up the System basic menu:** press the  button.
- ▶ With the controller (, ,  or ) , select **System** and press  to confirm.
- ▶ Select **Reset** and press  to confirm.
A prompt appears asking whether you wish to reset.
- ▶ Select **Yes** or **No**.
If you select **Yes**, a prompt will appear again asking whether you really wish to reset.
- ▶ Select **Yes** or **No** and press  to confirm.
After selecting **Yes**, Audio20 will be reset and restarted.

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Audio system features

i These Operating Instructions describe all standard and optional equipment available for your audio device at the time of going to print. Country-specific deviations are possible. Please note that your audio equipment may not offer all the features described.

General notes

Introduction

Audio 20 allows you to use a Bluetooth® mobile phone via the Bluetooth® interface. Using the Bluetooth® interface and a suitable mobile phone, you can use the Audio 20 hands-free system and receive electronic business cards (vCards).

You can obtain more detailed information on suitable mobile phones and on connecting Bluetooth®-capable mobile phones to Audio 20 from your authorized Mercedes-Benz Center or on the Internet at <http://www.mbusa-mobile.com> (customers in the USA only).

Important safety notes

WARNING

Excessive electromagnetic radiation may constitute a health hazard to yourself and others.

There is scientific discussion surrounding the possible health risks posed by electromagnetic fields. You can reduce this risk by using an exterior antenna. Therefore, only use mobile communication equipment if it is connected to the exterior antenna of the vehicle.

Two-way radios and fax machines without low-reflection exterior antennas may interfere with the vehicle electronics and thereby compromise the operational safety of the

vehicle and thereby your safety as well. Therefore, only use these if they are correctly connected to a separate, low-reflection exterior antenna.

WARNING

Excessive electromagnetic radiation may constitute a health hazard to yourself and others. The use of an exterior antenna takes into consideration the scientific discussion surrounding the possible health risk posed by electromagnetic fields.



Call disconnection while the vehicle is in motion

A call may be disconnected if:

- 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 network available.
- you are using a mobile phone with "Twincard" and the mobile phone with the second SIM card is already logged into the network.

Operating options

Controls for operating your telephone:

- Audio 20 controller
-  or  buttons
- Audio 20 number keypad
- multifunction steering wheel

Unless stated otherwise, the descriptions and illustrations in this section refer to the control system for Audio 20.

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
- if the "Bluetooth®" function is switched off in Audio20 or on the mobile telephone.
- if the mobile phone has not logged on to 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 911 emergency call. If you attempt to make an outgoing call, the **No Service** message will appear for a short while.

- Before deactivating Audio 20, switch over to "Private Mode" on the mobile phone (see the mobile phone operating instructions).

911 emergency call

The following conditions must be fulfilled in order to make a 911 emergency call:

- the mobile phone must be switched on.
- a network must be available.

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

The 911 emergency call is a public service. Any misuse is punishable by law.

Telephony via the Bluetooth® interface

Mobile phone requirements

To use Bluetooth® interface telephony in conjunction with Audio 20, you need a Bluetooth®-capable mobile phone.

- ❗ Not all mobile phones available on the market are equally suitable. You can obtain more detailed information on suitable mobile phones and on connecting Bluetooth®-capable mobile phones to

Audio 20 from your authorized Mercedes-Benz Center or on the Internet at <http://www.mbusa-mobile.com> (customers in the USA only).

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.

▶ Bluetooth® visibility


On some mobile phones, in addition to Bluetooth® being activated, the device must also be made "visible" to other devices.

▶ 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 recommended that the device is given its own name so that your mobile phone can be clearly identified (see separate mobile phone operating instructions).

Connecting a mobile phone

General information

- ▶ Switch on the mobile phone and enter the PIN, if necessary (see the mobile phone operating instructions).
- ▶ Activate Bluetooth® functionality on the mobile phone (see mobile phone operating instructions).
- ▶ Press the  button on Audio 20.

- ❗ If the "Bluetooth®" function is deactivated on Audio 20, you will see this message in the display: **Bluetooth not activated in system settings**. Activate the function (▷ page 28).

Authorizing a mobile phone

When you use your mobile phone in conjunction with Audio 20 for the first time, you must register it (authorization).

You can register more than one mobile phone. A connection is always established to the most recently connected mobile phone within range.

- ❗ If no connection can be made to the most recently connected mobile phone, the system searches for the mobile phone that was connected before that one.

When you authorize a new mobile phone, it is connected automatically.

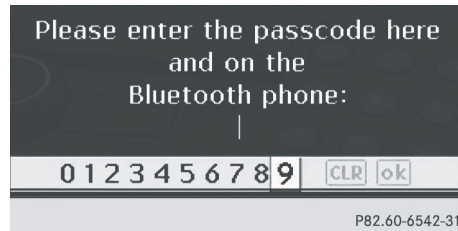
- ▶ Select **Phone** using the controller (⊙↕, ←⊙→ or Ⓜ) and press ⊗ to confirm.
- ▶ Select **Bluetooth Phones** and press ⊗ to confirm.
- ▶ Select **Update** and press ⊗ to confirm. Audio 20 searches for Bluetooth® devices within range and enters them in the telephone list.

The duration of the search depends on the number and type of Bluetooth® telephones.

A previously authorized Bluetooth® telephone that is within range is identified in the telephone list by the following symbol once it has been detected: 📞

If the symbol is grayed out, the authorized mobile phone is not within Bluetooth® range.

- ❗ If the telephone list is already full, you will be asked to de-authorize a device (> page 35). If Audio 20 cannot find your mobile phone, external authorization may be necessary (> page 35).
- ▶ **To authorize:** select the mobile phone from the phone list using the controller (Ⓜ or Ⓜ) and press ⊗ to confirm.
- ▶ Select **Options** and press ⊗ to confirm.
- ▶ Select **Authorize** and press ⊗ to confirm. The input menu for the passcode appears.



You can choose a passcode that contains between one and sixteen digits. You must enter the same number on Audio 20 and the device to be authorized.

To make entries via Audio 20: you can use the number bar or the number keypad to enter the passcode on Audio 20.

Via the number bar using the controller:

- ▶ **To enter:** slide ←⊙→ or turn Ⓜ until the desired number is highlighted and press ⊗ to confirm.
- ▶ Repeat this procedure to select all digits in sequential order from the number bar.
- ▶ **To confirm:** select from the number bar.

Via the number keypad (on the control panel):

- ▶ **To enter:** select the numbers in sequential order.
- ▶ **To confirm:** press the 📞 or 📞 button.
- ▶ **To delete:** select from the number bar and press ⊗ briefly (for single numbers) or hold it down longer (for the whole numeric sequence).

To make entries on the mobile phone: if the Bluetooth® connection is successful, you will be requested to enter the passcode (see mobile phone operating instructions).

- ▶ Enter the same passcode as you entered on Audio 20.

- ❗ After entering the passcode, you may also need to enter a confirmation in your mobile phone. Please check your mobile phone display.

If the Audio 20 display shows the message: **Authorization Procedure**

Unsuccessful, you may have exceeded the prescribed time period. Repeat the procedure.

The mobile phone is authorized. You can now use the Audio 20 hands-free function to make calls on your mobile phone.

External authorization

If Audio 20 is unable to detect your mobile phone, this may be due to your mobile phone security settings. In this case, check whether your mobile phone can find the Audio 20 system. The Bluetooth® device name of Audio 20 is MB Bluetooth.

- ▶ Select **Phone** using the controller (⊙↓, ←⊙→ or ⏏) and press ⏏ to confirm.
- ▶ Select **Bluetooth Phones** and press ⏏ to confirm.
- ▶ Select **Update** and press ⏏ to confirm.
- ▶ Select **Options** and press ⏏ to confirm.
- ▶ Select **External Authorization** and press ⏏ to confirm.
- ▶ Start the Bluetooth® search on the mobile phone (see the mobile phone operating instructions).
- ▶ Select Audio 20 (**MB Bluetooth**) on the mobile phone.
- ▶ When requested to do so, enter the passcode on the mobile phone and then in the Audio 20 system.

Connecting another mobile phone

If you have authorized more than one mobile phone, you can switch between the individual phones.

- ▶ **i** You can only switch to another authorized phone if you are not currently making a call.

- ▶ Select **Phone** using the controller (⊙↓, ←⊙→ or ⏏) and press ⏏ to confirm.
- ▶ Select **Bluetooth Phones** and press ⏏ to confirm.
- ▶ Select the mobile phone from the list and press ⏏ to confirm.
If the selected mobile phone is within Bluetooth® range and Bluetooth® is activated, a search is started and the phone is connected.

Only one mobile phone can be connected at any one time. The currently connected mobile phone is indicated by the • dot in the phone list.

Displaying details

For each mobile phone in the telephone list, there is a detailed view.

- ▶ Select **Phone** using the controller (⊙↓, ←⊙→ or ⏏) and press ⏏ to confirm.
- ▶ Select **Bluetooth Phones** and press ⏏ to confirm.
- ▶ Select the mobile phone from the list and press ⏏ to confirm.
- ▶ Select **Options** and press ⏏ to confirm.
- ▶ Select **Details** and press ⏏ to confirm.
Information on the selected device is displayed.
- ▶ **To close the detailed display:** turn ⏏ or slide ↑⊙↓ or ←⊙→ or press ⏏.

De-registering (de-authorizing) a mobile phone

- ▶ Select **Phone** using the controller (⊙↓, ←⊙→ or ⏏) and press ⏏ to confirm.
- ▶ Select **Bluetooth Phones** and press ⏏ to confirm.
- ▶ Select the mobile phone from the list and press ⏏ to confirm.
- ▶ Select **Options** and press ⏏ to confirm.

- ▶ Select **De-Authorize** and press to confirm.
A prompt appears asking whether you really wish to de-authorize this device.
- ▶ Select **Yes** or **No** and press to confirm.
If you select **Yes**, the device will be deleted from the phone list.

Telephone basic menu (Bluetooth® interface)

- ▶ Press the button.

If the connected telephone is ready for use, the following display appears (example):



The following information is displayed in the status bar:

- Bluetooth® name of the mobile phone connected, e.g. **blue_mobile**
- Signal strength of the mobile phone network

The bars show the current field strength for reception of the mobile phone network. If all bars are filled, you have optimum reception. If all bars are empty, there is very poor reception or none at all.

- Receiver symbol or
 - dialing or call in progress
 - not dialing or no call in progress

Reception and transmission volume

It is generally not recommended to change these settings, as the preset values are set to suit most mobile phones. To find out about the best possible settings for your mobile

phone, contact an authorized Mercedes-Benz Center or visit

<http://www.mbusa-mobile.com>
(customers in the USA only).

- i** The wrong settings may have a serious impact on transmission quality.
- i** It is not possible to adjust these settings while making a call.
- ▶ Select **Phone** using the controller (or) and press to confirm.
- ▶ Select **Bluetooth Phones** and press to confirm.
- ▶ Select the mobile phone from the list and press to confirm.
The **Reception Volume** and **Transmission Volume** options only appear if the selected mobile phone is authorized.
- ▶ Select **Options** and press to confirm.
- ▶ Select **Reception Volume** or **Transmission Volume** and press to confirm.
- ▶ Use the controller (or) to set the volume on the scale.

Telephone operation

Incoming call

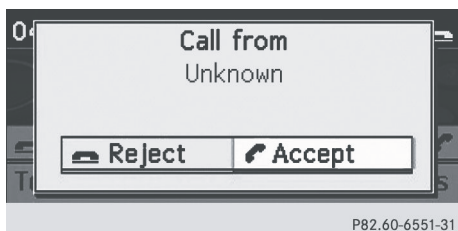
Rejecting or accepting a call

When you receive a call, you will hear a ringing tone and the incoming call will appear in the display.

- i** Depending on the mobile phone, the ringing tone of Audio20 can differ from the ringing tone selected. You could hear one of the following:

- the mobile phone ringing tone
- the ringing tone set by Audio20
- the ringing tone set by Audio20 and the mobile phone ringing tone

If a name and number are stored in the Audio20 phone book and the caller permits sending his/her own number, the name and number will be shown. Otherwise, the following display is shown (example):



▶ **To accept:** press the button on Audio20 or on the multifunction steering wheel.

or

▶ Press .

▶ **To reject:** press the button on Audio20 or on the multifunction steering wheel.

or

▶ Slide or turn until **Reject call** is highlighted and press .

Once you have accepted the call, you can use hands-free mode. You can adjust the call volume (▶ page 19). For more information, see the "Functions during a single call connection" section (▶ page 38).

i You can also accept a call if the display is showing a display other than the telephone mode. Once you have accepted the call, the display shows telephone mode.

Making a call

Entering a telephone number using the number keypad

You can enter numbers and special characters with the number keypad.

▶ **To enter:** use the to , and buttons to enter the characters.

You can enter the * character by pressing the button once. Press the button a second time within 1.5 seconds for the + character.

▶ **To delete individual digits:** press the **CLR** button.

▶ **To delete a number sequence:** press and hold the **CLR** button until the number sequence has been deleted.

or

▶ Press the .

▶ **To finish entry and make a call:** press the button.

Entering a telephone number using the number bar

In the Telephone basic menu, a number bar will be shown in addition to the menu bar.

If the number bar is active (highlighted), you can select elements from it.



▶ **To enter digits:** slide or turn until the desired digit is highlighted.

▶ **To confirm your selection:** press .

▶ Select all desired numbers in the number bar one after another in this way.

▶ **To delete individual digits:** slide or turn , until **CLR** is highlighted.

▶ Press .

▶ **To delete a number sequence:** slide or turn , until **CLR** is highlighted.

- ▶ Press until the number sequence is deleted.

or

- ▶ Select .

- ▶ **To call:** select .

Using a number from the phone book

- ▶ Select **Name** and press to confirm.
- ▶ Select an entry and press to confirm (▷ page 40).
- ▶ Press or .

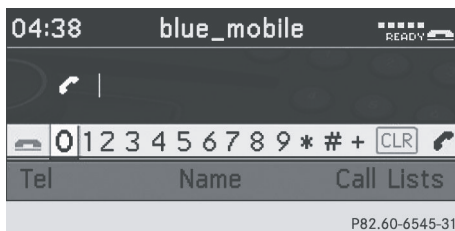
i Operation with the multifunction steering wheel (▷ page 40).

Dialing a telephone number from the call list

- ▶ With the controller (, or), select **Call Lists** and press to confirm.
- ▶ Select **Calls Received** or **Calls Dialed** and press to confirm.
- ▶ Select an entry and press to confirm (▷ page 41).
- ▶ Press or .

i Operation with the multifunction steering wheel (▷ page 41).

Redialing



i Requirement: no characters should have been entered.

- ▶ Press the button.

or

- ▶ Select and press .

The most recently dialed telephone numbers are displayed.

- ▶ Select the desired telephone number.
- ▶ Press the button.

or

- ▶ In the telephone basic menu in the instrument cluster: press the button on the multifunction steering wheel.

Canceling dialing or ending a call

- ▶ Select in the display.
- ▶ Press the button on Audio20 or on the multifunction steering wheel.

Functions available during a single call connection

Switching the hands-free microphone on/off

The menu bar changes when you make a call. Instead of the **Call lists** menu item, you will see **Mike off** or **Mike on**.

- ▶ **To switch off:** select **Mike off**. The message: **Microphone switched off** appears briefly.

If the microphone is switched off, the icon appears in the main area. The person you are calling can not hear any sounds from inside your vehicle.



- ▶ **To switch on:** select **Mike on**. The message: **Microphone switched on** appears briefly.

The symbol disappears.

Accepting/rejecting a waiting call



- i** The **Call waiting** function must be supported by the mobile phone network provider and be enabled.

If you are on the telephone and you receive another call, the call waiting display will appear. You also hear an acoustic signal.

▶ **To accept:** press the  button on Audio20 or  on the multifunction steering wheel.

or

▶ Press .

▶ **To reject:** press the  button on Audio20 or  on the multifunction steering wheel.

or

▶ Slide  or turn  until **Reject call** is highlighted and press .

If you accept a waiting call with the controller, the number keypad or the multifunction steering wheel, the previous call will be ended.

Sending DTMF tones



i This function is not supported by all mobile phones.

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

▶ During an active connection, press the corresponding button on the number keypad.

Every character selected will be transmitted immediately.

or

▶ **To select a character:** slide  or turn .

▶ **To confirm your selection:** press .

Using the phone book

Introduction

You can store phone numbers in the Audio 20 phone book. You can import vCards from an external Bluetooth® telephone.


i Each phone book entry consists of a surname, first name and company, and can contain up to five telephone numbers each for a home address and a business address. 500 entries can be stored in the phone book.






i The imported entries are retained even when you use a different mobile phone with Audio 20. For this reason, you should delete the call lists before selling the vehicle.

Receiving vCards (via the Bluetooth® interface)

You can import vCards from external Bluetooth®-capable phones into the address book. Please bear the following in mind:

- Bluetooth® must be active on Audio 20 and on the external Bluetooth® phone (▷ page 28) (see the operating instructions of the respective mobile phone).
- the external Bluetooth® phone must be able to send vCards via Bluetooth® (see the operating instructions of the respective mobile phone).
- the external Bluetooth® phone in the vehicle must be switched on and authorized (▷ page 34).

i If you switch to another operating mode during vCard reception (e.g. by pressing the  button), vCard reception is canceled.

- ▶ Select **Phone** using the controller (,  or ) and press  to confirm.
- ▶ Select **Receive Business Card(s)** and press  to confirm.

The Bluetooth® connection between Audio 20 and your active mobile phone is interrupted. Audio 20 is ready to receive vCards from other mobile phones.

- ▶ Start data transfer on the external Bluetooth® phone (see the operating instructions of the respective mobile phone).

The data on the vCards is automatically transferred to the address book. The number of vCards received is displayed.

- ▶ Select **Back** and press to confirm, or switch to another operating mode to cancel reception.

Deleting external data

This function allows you to delete personal data from the phone book.

- ▶ Select **Phone** using the controller (or or) and press to confirm.
- ▶ Select **Delete External Data** and press to confirm.
A prompt appears asking whether the data should be deleted.
- ▶ Select **Yes** or **No** and press to confirm.

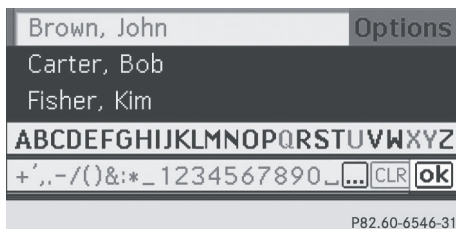
Calling up the phone book

Overview

- ▶ Select **Name** and press to confirm.

If the phone book contains entries, they will be displayed in alphabetical order. The character bar appears at the bottom and is active.

The character bar serves to reduce the number of entries needed.



- ▶ **To switch from the character bar to the list:** slide or press repeatedly until the character bar disappears.
- ▶ **To switch from the list to the character bar:** press the **BACK** button on the controller.

Selecting an entry using the character bar

Selecting a character from the character bar

- ▶ First switch to the character bar when the list appears.

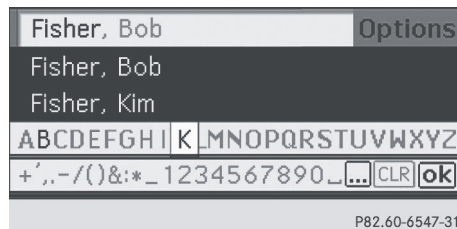
You determine the first letter of the entry you are looking for with the first character you enter.

- ▶ Slide or turn .
- ▶ **To confirm your selection:** press .

The first entry in the list that starts with the letter selected is highlighted. If there are similar entries, the next different character is shown.




Example

In the example, the names **Christel** and **Christine** start with the same characters. The first different character is the **E** or **I**. Therefore **E** and **I** are the options offered.





- ▶ Select the characters one by one for the entry you are searching for.
As soon as you make a clear selection, Audio 20 switches automatically to the list.
- ▶ **To complete the search:** switch from the character bar to the list.
The first list entry is automatically highlighted.

Changing the language of the character bar




- ▶ Select  and press  to confirm.
- ▶ Select the desired language and press  to confirm.

Changing the character set of the character bar






- ▶ Select  and press  to confirm.
Depending on the previous setting, the entry mode changes to special characters or to letters with numbers.

Selecting an entry directly from the list

Using the controller


- ▶ You can switch to the list after the character bar appears.
- ▶ Turn  or slide  until the desired entry is highlighted in the list and press  to confirm.





Using the buttons on the multifunction steering wheel

- ▶ In the telephone basic menu in the instrument cluster: press the  or  button briefly.
The previous/next entry in the phone book is displayed.
- ▶ In the telephone basic menu in the instrument cluster: press and hold the  or  button for longer than two seconds.
The first entry in the list that has the previous/next first letter in the phone book is shown.
- ▶ **To make a call:** press .




Displaying details for an entry

Audio 20 can also display a shortened entry in full.

- ▶ Select an entry from the list.
- ▶ Select **Options** and press .

- ▶ Select **Details** and press  to confirm.
The detailed view appears.
- ▶ **To close the detailed display:** turn  or slide  and press .

Deleting the current entry from the phone book

- ▶ Select an entry from the list.
- ▶ Select **Options** and press .
- ▶ Select **Delete** and press .
- ▶ Select **Yes** and press .

Using call lists






Introduction

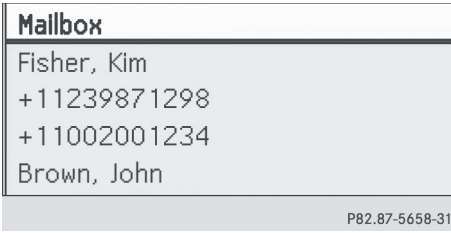
Audio20 shows calls received or sent using Audio20 in respective lists.

- i** The menu item can only be selected if calls have already been made or received using Audio 20.

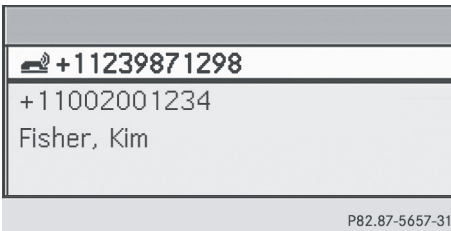
Audio20 call lists are not synchronized with the call lists of your mobile telephone. If you initiate a call using your mobile phone and use only the Audio20 hands-free system, these calls will not be listed.

Opening the call list and selecting an entry

- ▶ With the controller (,  or ) , select **Call Lists** and press  to confirm.
 - ▶ Select **Calls Received** or **Calls Dialed** and press .
- The corresponding list appears (example):



Incoming calls that you either could not or did not want to accept are marked with a specific icon (example):



- ▶ **To select a list entry:** slide or turn .
- ▶ **To make a call:** press or .

Using the buttons on the multifunction steering wheel

- ▶ In the basic telephone menu in the instrument cluster: press the button. The **Dialed** call list is shown. The entry at the top of the list (the last number dialed) is highlighted.
- ▶ **To select a list entry:** press the or button.
- To make a call:** press .

Deleting call lists

- i** The stored call lists remain on Audio 20 even if you use Audio 20 with another mobile phone. For this reason, you should delete the call lists before selling the vehicle.

- ▶ With the controller (, , or), select **Call Lists** and press to confirm.
- ▶ Select **Delete Call Lists** and press to confirm. Both lists are erased.

- Audio system features 44
- Radio mode 44
- Satellite radio 46
- Audio CD and MP3 mode 50
- Audio AUX mode 56



Audio system features

i These Operating Instructions describe all standard and optional equipment available for your audio device at the time of going to print. Country-specific deviations are possible. Please note that your audio equipment may not offer all the features described.

Radio mode

Introduction

i The operating principles of the Audio20 can be found at (▷ page 16). For sound settings, see (▷ page 19).

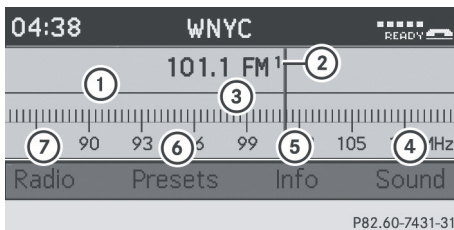
! Do not attach any metallic film to the inside or outside of the rear window. Covering the antenna structure on the rear window impairs radio reception. When cutting the film to fit the screen, antenna tracks on the window can be permanently damaged.

Switching to radio mode

Switching to radio mode

► Press the  button.

The radio display appears once the system has switched to radio mode. You will hear the last station played on the last waveband set.



Radio display




- ① Display/selection window showing station name or frequency
- ② Preset position of the selected station

- ③ Name or frequency of the selected station
- ④ Sound settings
- ⑤ To display radio text
- ⑥ Memory functions
- ⑦ Radio functions

The following information is displayed in the status bar:

- time, e.g. 10:42
- waveband with station frequency, e.g. FM 89.9 Mhz


If a mobile phone is operational, additional information is shown:

- signal strength of mobile phone network  (▷ page 36)
-  or  receiver icon (▷ page 36)

Switching wavebands

You can switch the radio waveband between FM, MW, WB and SatRadio.

Waveband	Frequency
FM (VHF)	87.7..... 107.9 Mhz
MW (medium wave)	530..... 1710 kHz
WB (weather band)	Weather report channels
SatRadio	Satellite radio stations

► Press the  button as often as necessary.

Setting a station

Selecting a station using the station search function

- ▶ Press the button once or several times until the **FM** waveband, **MW** or **WB** appears in the status bar.
- ▶ Slide or turn when the main area is selected.

or

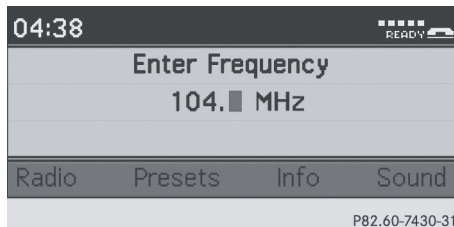
- ▶ Press the or button. Station search scans up or down and stops at the next station or channel found.

Selecting stations via the station presets

- ▶ With the controller (, , or), select **Presets** and press to confirm.
- ▶ Select the desired station and briefly press .

Selecting stations via manual frequency entry

- ▶ With the controller (, , or), select **Radio** and press to confirm.
- ▶ Select **Frequency Entry** and press to confirm.



- ▶ Only permissible numbers for the frequency range can be entered in front of the decimal point. If a non-permissible number is entered after the decimal point, the next lowest frequency is set.

- ▶ Press numbers on the number pad. Audio20 sets the selected frequency.

Setting a station via the multifunction steering wheel

- ▶ In the audio menu in the instrument cluster: press the or button briefly. The next or the previous station from the station list is set.
- ▶ In the audio menu in the instrument cluster: press and hold the or button for longer than two seconds. The previous or next station/channel in the waveband will be set.

Storing stations

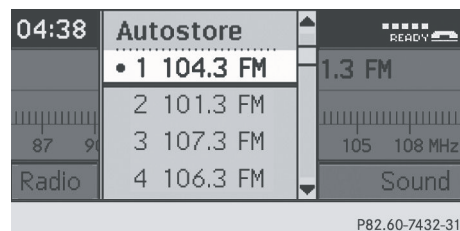
Storing stations manually

Ten stations can be stored for each waveband.

- ▶ If a selected preset is already occupied, the new station will be stored in place of the old station.
- ▶ **Quick save:** if the main area is selected, press a number SmartKey (0 to 9) on the number keypad until you hear a tone. The station is now stored on the selected preset.
- ▶ **Directly in the station memory:** press when the main area is selected.

or

- ▶ Select **Presets**. The station preset display appears.



The • dot in front of a preset position indicates that the station currently selected is stored there.

- ▶ **To assign a preset:** slide $\uparrow \odot \downarrow$ or turn $\{\odot\}$ and press \odot until a tone can be heard.
- or
- ▶ Press and hold a number (0 to 9) on the number keypad until you hear a tone. The station is now stored on the selected preset.

Audio

Storing stations automatically

- i** This function automatically stores receivable stations in order of their reception quality. Any channels stored manually in the preset memory will be lost. If the process is interrupted by a traffic announcement, you must repeat it.
- ▶ With the controller ($\odot \downarrow$, $\leftarrow \odot \rightarrow$ or $\{\odot\}$), select **Presets** and press \odot to confirm.
- ▶ Select **Autostore** and press \odot to confirm. Audio20 searches for stations with adequate reception. The available stations are automatically stored in the preset positions. The first station found is played automatically.

Displaying information

You can have program information or other additional information displayed if the selected station makes it available.

- ▶ In the radio display, with the controller ($\odot \downarrow$, $\leftarrow \odot \rightarrow$ or $\{\odot\}$), select **Info** and press \odot to confirm. If the station supports radio text and information is available, the system displays it.

If no additional text information is available, the **No information** message appears.

- ▶ **To exit the menu:** select **Info** in the radio display and press \odot to confirm.

or

- ▶ Press the **BACK** back button on the controller.

Satellite radio

Important notes

This section provides detailed information on the following topics:

- selecting a channel and program category
- memory functions
- sound settings

i SatRadio mode described below requires optionally available satellite radio equipment and registration with a satellite radio provider.

i Note that the categories and channels shown in the illustrations depend on the program content offered by the provider. Program content may vary. The illustrations and descriptions in these operating instructions may therefore differ from the channels and categories offered by the provider.



SatRadio mode may be temporarily interrupted or unavailable for a variety of reasons. These reasons include environmental or topographical conditions as well as other issues beyond the control of Mercedes-Benz USA, LLC. Operation may also be impaired in certain locations (e.g. tunnels, parking garages as well as inside or next to buildings) or in the vicinity of other constructions.

i SIRIUS XM Radio offers more than 130 digital-quality radio channels providing 100% commercial-free music, sport, news and entertainment.

SIRIUS XM Radio employs a fleet of high-performance satellites to broadcast around the clock throughout the USA and Canada.

The SatRadio program is available for a monthly fee. Details are available from the SIRIUS XM Service Center and at <http://www.sirius.com> (USA) or <http://www.siriuscanada.com> (Canada).

Registering SatRadio

- ▶ Switch on SatRadio mode (▶ page 47).
The SatRadio basic menu appears showing the weather channel. You cannot select any other stations.
- ▶ Select **Sat** in the menu bar and press  to confirm.
- ▶ Select **Service** and press  to confirm.
The service information screen appears.



Service information screen

- ▶ Call the phone number of your satellite radio provider shown on the screen.
- i** You can also have the satellite service activated online. To do so, visit the SIRIUS XM Radio website at <http://www.sirius.com> (USA) or <http://www.siriuscanada.com> (Canada).

Once the connection has been established:





- ▶ Follow the instructions of the service staff. The activation process may take up to ten minutes. If the activation is successful, the **Updating Channels...** message appears in the display, followed by the SatRadio basic menu.
- i** If registration is not included when purchasing the system, your credit card

details will be required to activate your account.

If the satellite receiver is not installed or is not installed correctly, the **Device Unavailable** message will appear.

Switching to SatRadio mode

Notes

You can also use the multifunction steering wheel to tune in channels or scroll through lists, e.g. by pressing the     buttons (▶ page 16).

Important notes on registration, see "Registering SatRadio" (▶ page 47).

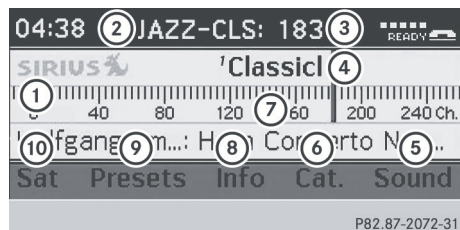
- ▶ Press the  button.

The **No Service** message appears when starting up or if no signal is being received. Once Audio20 receives the signal, the SatRadio basic menu appears. The station last selected is played.

- i** Repeatedly pressing this function button switches through the wavebands in the order FM, AM, WB and subsequently switches on SatRadio. Pressing the button again takes you back to FM radio mode.

If the satellite receiver is not installed or is not installed correctly, the **Device Unavailable** message will appear.

Once Audio20 receives the signal, the SatRadio basic menu appears. The station last selected is played.



- ① Display/selection window
- ② Selected program category
- ③ Selected category/channel number

- ④ Channel name
- ⑤ Sound settings
- ⑥ Category list
- ⑦ Channel information (in brief)
- ⑧ Channel information (in detail)
- ⑨ Channel preset list
- ⑩ SatRadio menu

Channel information ⑧ can be viewed in detail (> page 49).

Audio

Changing the category

Satellite radio channels are sorted into various categories. You can choose between the different categories, such as news/talk shows, sports or country, if they are available. The category list is sorted alphabetically.

Selecting a category

- ▶ **To call up the category list:** select **Category** by turning **⏪** the controller and press **⏹** to confirm. The category list appears.
- ▶ **To select a category:** select a category by turning **⏪** the controller and press **⏹** to confirm. The category selected is shown in the display. You hear the station last selected for this category. The **All Channels** category is shown at the top of the category list. This category is sorted numerically by channel number and allows you to browse all available channels.

Selecting a channel

Channel search

- ▶ When the display/selection window is active, turn **⏪** or slide **←** the controller.

or

- ▶ Press the **⏮** or **⏭** button. Audio 20 searches in both directions (ascending and descending) and stops at the next channel found in the selected category.

SatRadio menu

- ▶ In the menu bar, select **Sat** by turning **⏪** the controller and press **⏹** to confirm. The SatRadio menu appears.

Entering channel numbers directly

Option 1

- ▶ Press the **⊕** button. An input menu appears.

Option 2

- ▶ In the menu bar, select **Sat** by turning **⏪** the controller and press **⏹** to confirm.
- ▶ Select **Enter Channel** and press **⏹** to confirm. An input menu appears.
- ▶ **To enter a channel:** irrespective of the option, press the corresponding number keys on the control panel one after the other. Audio20 sets the selected channel.

- ▶ **i** You can only select currently permitted digits.

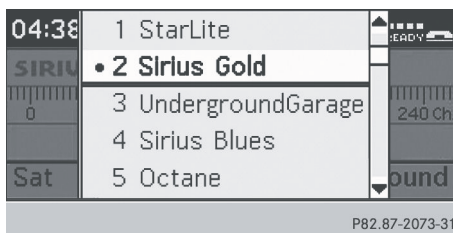
Selecting a channel from the SatRadio channel list

- ▶ In the menu bar, select **Sat** by turning $\left[\odot \right]$ the controller and press \odot to confirm.
- ▶ Select **Channel List** and press \odot to confirm.
The channel list appears.
- ▶ Select the channel by turning $\left[\odot \right]$ the controller and press \odot to confirm.

Memory functions

Storing channels

- i** There are ten presets available.
 - ▶ Press \odot the controller when the display/selection window is selected.
- or
- ▶ In the menu bar, select **Presets** by turning $\left[\odot \right]$ the controller and press \odot to confirm.
In both cases, the channel presets appear. The \bullet dot in front of a preset entry indicates that the currently selected channel is stored under this preset.



Channel presets

- ▶ Select a preset by turning $\left[\odot \right]$ the controller, then press and hold \odot until a tone sounds.
- or
- ▶ Press and hold a number button, e.g. **4**, until you hear a tone.
The channel is stored under the preset.

Storing channels automatically

This function automatically stores channels with adequate reception in the preset memory. Stations stored manually in the preset memory will be overwritten.

- ▶ **Option 1:** press \odot the controller when the display/selection window is selected.
- ▶ In the station presets, select **Autostore** by turning $\left[\odot \right]$ the controller and then press \odot to confirm.
- ▶ **Option 2:** select **Presets** in the menu bar by sliding $\uparrow \odot$ and turning $\left[\odot \right]$ the controller and press \odot to confirm.
- ▶ Select **Autostore** and press \odot to confirm.
In both cases, Audio20 searches for channels with adequate reception. You will see a message to this effect. The available channels are automatically stored in the preset positions.
- ▶ **To cancel storing:** select **Cancel** and press \odot to confirm.

Selecting a channel from the preset list

- ▶ **To call up the preset list:** in the menu bar, select **Presets** by turning $\left[\odot \right]$ the controller, then press \odot to confirm.
The channel preset list appears.
 - ▶ **To set a channel:** select a preset by turning $\left[\odot \right]$ the controller and press \odot to confirm.
- or
- ▶ Press a number key, e.g. **4**.

Displaying information

- ▶ In the menu bar, select **Info** by turning $\left[\odot \right]$ the controller and press \odot to confirm.
Information on the currently received program is displayed.

If available, you see:

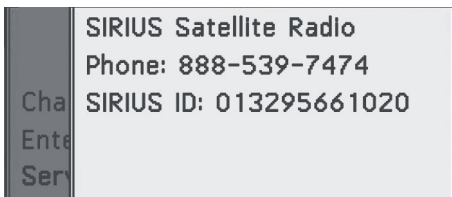
- the full name
 - additional information
- ▶ **To return to the SatRadio display:** slide ←⊙→ the controller.

Audio

Displaying service information

The provider's customer service center is available by phone at any time to answer any general questions or questions on the versions available.

- ▶ In the menu bar, select **Sat** by turning ⊕⊙ the controller and press ⊕ to confirm.
- ▶ Select **Service** and press ⊕ to confirm. The provider's details appear.



- ▶ **To return to the SatRadio display:** slide ←⊙→ the controller.

Channel list updates

When receiving a new channel list, the display shows the **Updating Channels...** message.

The station last selected is switched to mute until the update has been completed. SatRadio mode is not available during this process.

Once the update has been completed, the SatRadio basic menu appears. The station last selected is played.

Sound settings

You will find details on the sound settings in the "At a glance" section (▷ page 19).

Audio CD and MP3 mode

Important safety notes

⚠ WARNING

The CD drive is a class 1 laser product. There is a risk of damage to the eyes due to exposure to invisible laser radiation if you open the casing, or if the casing is faulty or damaged.

You must not open the casing. The unit contains no parts on which you can carry out maintenance. For safety reasons, all maintenance work must be carried out by qualified aftersales technicians.

⚠ WARNING

Only when the vehicle is stationary should you:

- insert a data carrier
- eject a disc

There is a risk of being distracted from the road and traffic conditions if you insert or eject a disc while the vehicle is in motion.

The Audio 20 system is equipped with either a single CD drive or a CD changer. Both drives can play back audio CDs and MP3 CDs. The settings available in the menu may vary depending on the equipment in the vehicle and the type of disc.

Inserting and removing CDs

Notes

WARNING


Only when the vehicle is stationary should you:

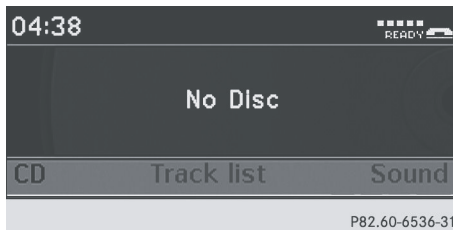
- insert a data carrier
- eject a disc

There is a risk of being distracted from the road and traffic conditions if you insert or eject a disc while the vehicle is in motion.


- i** If the disc has a printed side, this must face upwards when the disc is inserted. If neither side is printed, the side to be played should face downwards. The system may not be able to play discs with copy protection.

Activating CD mode (single CD drive)

- ▶ Press the  button. The CD display is shown once the system has switched over. If a disc has been inserted, it is played back automatically. If no CD is inserted, the following message appears. The CD basic menu appears in the display.




Inserting and removing (single CD drive)

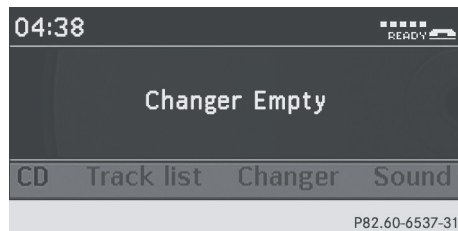
- ▶ Press the  button. If there is a disc already inserted, it will be ejected.

If you do not take the disc out of the slot, the drive will draw it in again automatically after a short while.

- ▶ Take the disc out of the slot.
- ▶ Insert a disc into the slot. The disc is drawn in and playback starts if the disc has been inserted correctly and it is a permissible type.

Activating CD mode (CD changer)

- ▶ Press the  button. The CD changer display is shown once the system has switched over. If a disc has been inserted, it is played back automatically. If no CD is inserted, the following message appears:



Inserting discs into the CD changer

The CD changer has an integrated magazine with six trays.

WARNING

Only when the vehicle is stationary should you:

- insert a data carrier
- eject a disc

There is a risk of being distracted from the road and traffic conditions if you insert or eject a disc while the vehicle is in motion.

- i** If the CD has a printed side, this must face upwards when the CD is inserted. If neither side is printed, the side to be played should face downwards. The system may not be able to play discs with copy protection.

i Only insert a CD when the audio system prompts you to do so. Only insert one CD when prompted.

► **To insert a single CD into the magazine tray:** press the load/eject button.

The main area is active. The magazine trays are shown as circles.

► **To select a magazine tray:** press a number button (1-6) on the keypad.

or

► Slide $\leftarrow \odot \rightarrow$ or turn $\left[\odot \right]$.

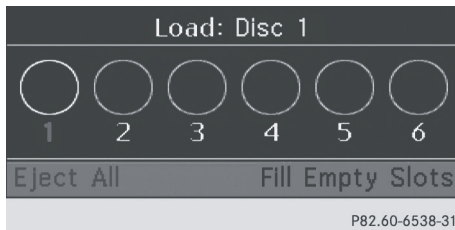
► Press \odot .

► When prompted, insert a disc into the slot. The disc is drawn into the drive.

► **To end the loading process:** press the \odot button or the load/eject button.

The disc is played if it has been inserted correctly and it is a permissible type.

► **To fill empty magazine trays:** press the load/eject button.



The main area is active. The magazine trays are shown as circles.

► **To switch to the menu bar:** slide $\odot \downarrow$.

► Select **Fill Empty Slots**.

► When prompted, insert a disc into the slot. The drive draws in the disc and switches to the next empty magazine tray.

► Repeat the last two steps until all trays are loaded.

► **To complete the loading process:** press the load/eject button again.

The last disc loaded is played if it has been inserted correctly and it is a permissible type.

i If you cancel the process by pressing the back button on the controller, the system loads and plays the last CD you inserted.

Removing discs from the CD changer

⚠ WARNING

Only when the vehicle is stationary should you:

- insert a data carrier
- eject a disc

There is a risk of being distracted from the road and traffic conditions if you insert or eject a disc while the vehicle is in motion.

i If you eject one disc while playing another disc, the CD changer interrupts playback. Playback continues once the disc has been ejected.

► **To eject a single CD:** press the load/eject button.

The main area is active. The magazine trays are shown as circles.



► **To select a magazine tray:** press a number button (1-6) on the keypad.

or

► Slide $\leftarrow \odot \rightarrow$ or turn $\left[\odot \right]$.

► Press \odot .

► Take the disc out of the slot.

If you do not take the disc out of the slot, the drive will draw it in again automatically after a short while.

► **To eject all CDs:** press the load/eject button.

The main area is active.

► **To switch to the menu bar:** slide $\odot \downarrow$.

- ▶ Select **Eject All**.
The discs are ejected one after the other.
- ▶ Take the discs out of the slot.
If you do not take the disc out of the slot, the drive will draw it in again automatically after a short while.

Selecting a CD

- ▶ Select **Changer**.
The list of inserted discs appears.
- ▶ Select the desired CD.

Audio CD or MP3 mode

Notes

- i** The following section applies to the single CD drive and the CD changer. The examples show the CD changer display.

Additional button functions

In CD mode you can use two additional number keypad buttons:

The **Ⓜ** button shows track details, if available.

The **Ⓝ** button enables direct entry of the track number.

Example display: audio CD mode



- ① Track number and track name (only if stored on disc)
- ② Disc type and number (CD changer)
- ③ Track time

Example display: MP3 mode



- ① Track number and track name (only if stored on disc)
- ② Disc type and number (CD changer)
- ③ Track time

Pause function

- ▶ **To pause playback:** briefly press the **⏸** button.
- ▶ **To continue playback:** briefly press the **⏪** button again.

Selecting a track

Selecting by skipping to a track

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

or

- ▶ Press the **⏪** or **⏩** button briefly.
- ▶ Press **⏪**.

Using the multifunction steering wheel

- ▶ In the audio menu in the instrument cluster: press the **⏪** or **⏩** button.



- i** The skip forward function skips to the next track. The skip back function skips to the beginning of the current track if the track has been playing for more than eight seconds. If the track has been playing for less than eight seconds, it skips to the start of the previous track.

If the **Random Tracks** option has been selected, the tracks will be played in a random order.







Selecting by track list

- ▶ Select **Track List**.

or

- ▶ **Only in MP3 mode:** press  when the display/selection window is active. The folder list appears. The  dot indicates the current track.
- ▶ Select a track.


Fast forwarding/rewinding





- ▶ Select the display/selection window by sliding    the controller.
- ▶ Slide and hold    until the desired position has been reached.

or







- ▶ Press and hold the  or  button.

Selecting a folder

-  This function is only available in MP3 mode.

- ▶ Select **Fo**lder from the menu bar by sliding (  ) the controller and press  to confirm.

or

- ▶ Press  when the display/selection window is active. The folder list appears.
- ▶ Turn (  ) the controller to select the desired folder and press  to confirm. You will see the tracks in the folder.
- ▶ Select a track and press  to confirm. The track is played.

Playback option

The following options are available to you:

- **Normal Track Sequence**

The tracks are played in the normal order (e.g. 1, 2, 3, etc.).


- **Random Tracks**

The tracks are played in random order (e.g. 3, 8, 5 etc.).

- **Random Folder** (only in MP3 mode)


You hear the tracks in the currently active folder and any subfolders in random order.

- ▶ **To select an option:** select **CD/MP3**.

The options list appears. The  dot indicates the option selected.


- ▶ Select an option.

The option is switched on. For all options except **Normal Track Sequence**, a corresponding display will appear in the main area.

-  The **Normal Track Sequence** option is automatically selected if you change the disc you are currently listening to or if you select a different medium. If an option is selected, it remains selected after Audio 20 is switched on or off.

Notes on MP3 mode

General information

-  Depending on the volume and format of the MP3 data, the length of time required for reading the data may increase.

Permissible discs

- CD-R and CD-RW

Permissible file systems

- ISO 9660/Joliet standard for CDs

Multisession CDs

For multisession CDs, the content of the first session determines how Audio 20 will process the CD.

If the first session contains data in audio CD format and the second session contains MP3

tracks, Audio 20 will treat the CD as a conventional audio CD. This means that it is not possible to access the MP3 tracks. If the first session contains MP3 tracks and the second session contains data in audio CD format, Audio 20 will not treat the CD as an audio CD. This means that it is only possible to access the MP3 tracks.

Track and file names

When you create an MP3 disc, you can assign names to the MP3 tracks and folders.

Audio 20 uses these names for the display in MP3 mode. Empty folders or folders which contain data other than MP3 tracks are not displayed by Audio 20.

If MP3 files are stored in the root directory itself, the root directory will also be treated as a folder. Audio 20 will show the name of the root directory as the folder name.

You must observe the following when assigning track names:

- track names must have at least one character.
- track names must have the extension "mp3".
- there must be a dot between the track name and the extension.

Example of a correct track name:
Track 1.mp3

i Audio 20 does not support ID3 tags.

Permissible formats

Audio 20 supports the MPEG1 Audio Layer 3 format.

i This format is generally known as "MP3" in everyday usage.

Permissible bit and sampling rates

- Fixed and variable bit rates up to 320 kbit/s
- Sampling rates of 24 kHz to 48 kHz

i Only use MP3 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. This is especially the case if you have activated a surround sound function.

Notes on copyright

MP3 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 compact discs

i Discs with copy protection are not compatible with the audio CD standard. Consequently, it may not be possible to play them on the Audio 20 system.

Playback problems may occur when playing copied discs. A wide range of data media, burning software and burners is available. This variety means that there is no guarantee that the system will be able to play discs that you have burned yourself.

You may experience playback problems when playing CDs you burned yourself that have 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 EN 60908 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.

Notes on handling compact discs

WARNING


Discs can get hot inside the drive. For sensitive persons, for example children, there is a danger of burns.

- Only hold discs by the edge.
- Handle discs carefully to prevent playback problems.
- Avoid getting scratches, fingerprints and dust on discs.
- Clean discs from time to time with a commercially available cleaning cloth. When cleaning CDs, you should wipe in straight lines from the center outwards rather than in a circular motion.
- When labeling discs, only use a pen designed for that purpose.
- Place discs back in their cases after use.
- Protect discs from heat and direct sunlight.

Audio AUX mode








Notes on audio AUX mode


You can connect an external audio source (AUX) to Audio 20. The socket for this is located in the glove box.

-  Please consult an authorized Mercedes-Benz Center for further information.

Activating audio AUX mode

When you connect an external audio source, audio AUX is not selected automatically.

- ▶ Press the  function button.
- ▶ Select **CD** or **MP3** using the controller (, , , ) and press  to confirm. A menu appears.
- ▶ Select **AUX** and press  to confirm. The audio AUX menu appears. You will hear the external audio source if it is connected and switched to playback.

-  Please see the respective operating instructions for how to operate the external audio source.

You can select a sound setting specifically for audio AUX mode, see [▷ page 19](#)).







WARNING

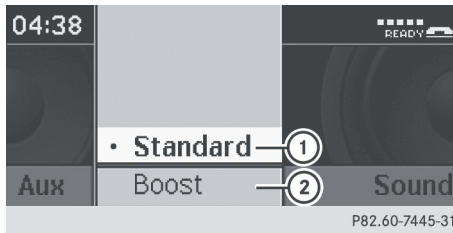
External audio sources may have different volumes, which can mean that system messages such as traffic announcements and navigation system announcements are much louder. If necessary, please deactivate the system messages or adjust their volume manually.

Adjusting the volume

The volume of external audio sources can vary greatly. In some cases, the volume of the external audio device may be quieter or louder, or the usual maximum possible volume may be lower. On some devices, it is possible to adjust the volume separately. In this case, start at a medium volume and increase it gradually. This enables you to determine whether the system is able to play the music at high volume without distorting it.

You can increase the volume of the external audio sources.

- ▶ In the audio AUX menu, use the controller (, , , ) to select **Volume** and press  to confirm. A menu appears. The  dot indicates the option selected.



- ① Default setting
- ② Volume amplification

Switching back to CD/MP3 mode

- ▶ In the audio AUX menu, use the controller (⏪⏩) to select **Back to Disc** and press ⏹ to confirm.
CD/MP3 mode is activated again.

Audio system features	60
General information	60
Basic functions	61
System settings	62
Audio CD/DVD and MP3 mode	63
Video DVD mode	68
AUX mode	73

Audio system features

i These Operating Instructions describe all standard and optional equipment available for your audio device at the time of going to print. Country-specific deviations are possible. Please note that your audio equipment may not offer all the features described.

General information

Changing batteries

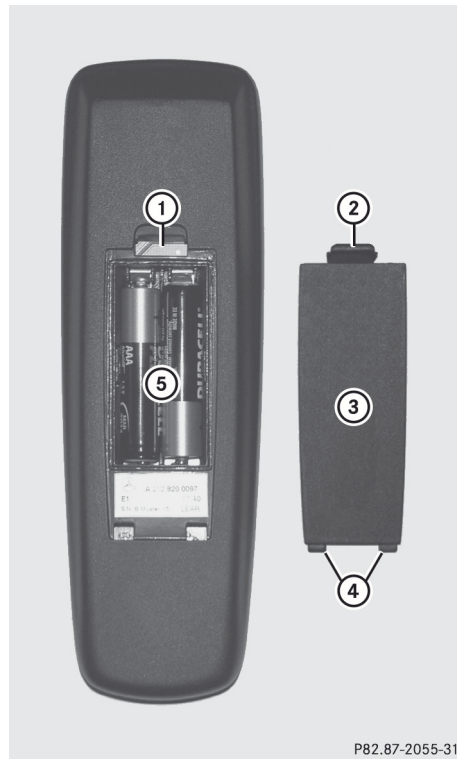
Batteries are required for the remote control and for the two sets of cordless headphones.

WARNING

Keep the batteries out of the reach of children. Consult a doctor immediately if a child should swallow a battery. Do not dismantle, short-circuit or burn a battery.

Environmental note

Dispose of discharged batteries in an environmentally responsible manner.



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- ① Battery compartment
- ② Catch tab
- ③ Battery compartment cover
- ④ Retaining lugs
- ⑤ Batteries

The remote control contains two AAA, 1.5 V batteries.

- ▶ **To open the battery compartment:** remove battery compartment cover ③ on the back of the remote control.
- ▶ To do so, push catch tab ② downwards and take off battery compartment cover ③.
- ▶ Remove discharged batteries ⑤ from the tray.
- ▶ Insert the new batteries. Observe the polarity markings on the batteries and battery compartment when doing so. Left-hand battery: the positive pole (+) must face upwards.

Right-hand battery: the positive pole (+) must face downwards.

- ▶ **To close the battery compartment:** insert battery compartment cover ③ starting with retaining lugs ④ into the battery compartment and allow catch tab ② to engage in place.

On the cordless headphones

The battery compartment cover is located on the left headphone.



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- ① Battery compartment cover

The cordless headphones contain 2 type AAA, 1.5 V batteries.

- ▶ **To open the battery compartment:** flip battery compartment cover ① upwards. As you do so, hold the left-hand side of the headphones as shown to prevent the batteries from falling out.
- ▶ Remove the discharged batteries from the tray.
- ▶ Insert the new batteries. Observe the polarity markings on the batteries and battery compartment when doing so. Left-hand battery: the positive pole (+) must face upwards. Right-hand battery: the positive pole (+) must face downwards.
- ▶ **To close the battery compartment:** press battery compartment cover downwards until it engages into place. If the batteries have been inserted correctly, the indicator lamp will light up

green when the headphones are switched on.

Basic functions

Introduction

The following operating modes are available for the Rear Seat Entertainment System:

- CD/DVD audio and MP3 mode (▷ page 63)
- Video DVD operation (▷ page 63)
- AUX mode (▷ page 73)

In AUX mode, you can view external video sources which are connected either to the rear screens (display AUX) or to the CD/DVD drive (drive AUX).

The system settings allow you to adjust screen-related settings, such as the design and the language (▷ page 62).

Using headphones

You can use the corded headphones provided by connecting them to the corresponding jack on the rear screen (▷ page 21).

Adjusting the sound settings

Call up the menu for the respective mode:

- Audio CD (▷ page 64)
- Audio DVD (▷ page 64)
- MP3 (▷ page 64)
- Video DVD (▷ page 69)
- AUX (▷ page 74)
- ▶ Select **Treble** or **Bass** and press the **OK** button to confirm. An adjustment scale appears.
- ▶ **To make a setting:** press the **▲** or **▼** button until the desired format has been selected.
- ▶ **To confirm your selection:** press the **OK** button.

Multiple users

Simultaneous use of the rear-compartment disc drive

The two rear-compartment screens can be operated almost entirely independently from one another. However, there can be a conflict in some menus if the two screens are used simultaneously.

If the rear-compartment disc drive is being used for both screens simultaneously, selecting certain menus or settings on one of the screens also affects the other screen.

The following functions affect both screens:

- changing playback options
- selecting a track (from a track list or folder)
- using play, pause and stop
- fast forwarding/rewinding or scrolling
- calling up the DVD menu and navigating within it
- setting the language, subtitles and camera angle
- calling up interactive DVD content

The following functions affect only one screen:

- audio and video functions as well as picture settings
- switching between full screen and the menu

Switching between operating modes


When you exit an operating mode (e.g. audio CD mode), the current setting is saved. If you call up this operating mode again later, there are two possibilities:

- the operating mode has been changed on the other screen.
- the operating mode has not been changed.

In the first case, the operating mode appears as it is on the other screen.

In the second case, the setting appears on the screen as it was when you last exited the operating mode.

Function restrictions in video DVD mode


Certain functions or actions may be temporarily or completely unavailable. As soon as you try to activate these functions or actions, you will see the  symbol in the display.

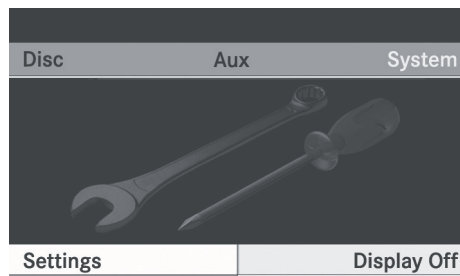
System settings

Note

You can adjust almost all system settings individually for each screen without affecting the other screen. Use the remote control to adjust the settings (> page 22).








Calling up the system menu




- ▶ Select **System** in the main functions menu bar and confirm with the  button. You see the system menu on the selected rear screen.









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Selecting the display language

- ▶ Select **Settings** using the  or  button and press  to confirm.
- ▶ Select **Language** using the  or  button and confirm with the  button. The list of languages appears. The  indicates the current setting.








- ▶ **To change the setting:** use the  or  button to select a language.
- ▶ Press the  button.
The Rear Seat Entertainment System activates the selected language.

Switching the display design





- ▶ Select **Settings** using the  or  button and press  to confirm.
- ▶ Select **Day Mode**, **Night Mode** or **Automatic** using the   buttons and press the  button to confirm.
The dot in front of the menu item indicates the currently selected setting.

Design	Explanation
Day Mode	The display is set permanently to day design.
Night Mode	The display is set permanently to night design.
Automatic	The display design changes depending on the vehicle instrument cluster illumination.

Setting the brightness

- ▶ Select **System Settings** using the  or  button and press  to confirm.
- ▶ Select **Brightness** and confirm with the  button.
A scale appears.
- ▶ Adjust the brightness using the   buttons and press the  button to confirm.
The brightness bar moves up or down. The picture becomes lighter or darker in accordance with the scale.

Showing/hiding the picture

- ▶ **To hide the picture:** select **Display Off** in the system menu using the   buttons on the remote control and press the  button to confirm.
The picture is hidden.
- ▶ **To show the picture:** press the  button on the remote control.

Audio CD/DVD and MP3 mode

Important safety notes

WARNING

The CD/DVD drive is 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.


The Rear Seat Entertainment System contains no parts which you can repair yourself. For safety reasons, all maintenance work must be carried out by qualified aftersales technicians.

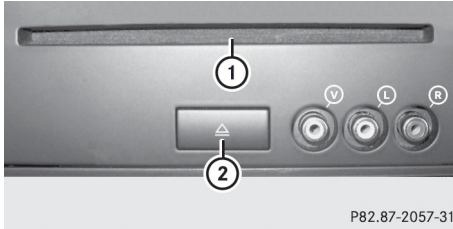
General information

You will find information on the following topics in the Audio section:

- notes on CDs/DVDs (▷ page 54)
- notes on MP3 mode (▷ page 54)
- notes on copyright (▷ page 55)

Inserting a CD/DVD

-  The CD/DVD drive is located in the center behind the front seats.

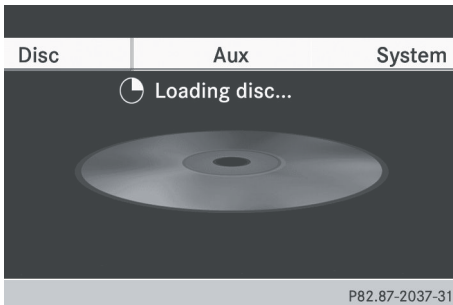


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- ① Disc slot
- ② Eject button

The CD/DVD drive holds one disc. If there is already a disc inserted, this must be ejected before another is inserted.

- ▶ Insert a disc into the disc slot.
The printed side of the disc must face upwards. If neither side of the disc is printed, the side you wish to play must face downwards.
The CD/DVD drive draws the disc in.



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The CD/DVD drive plays the disc:

- if it has been inserted correctly and is a permissible disc, and
- if you have switched to disc mode (audio CD, audio DVD and MP3 mode) (▷ page 64)

Data on an MP3 CD first needs to be loaded by the drive. Loading may take some time, depending on the number of folders and tracks.

Removing a CD/DVD

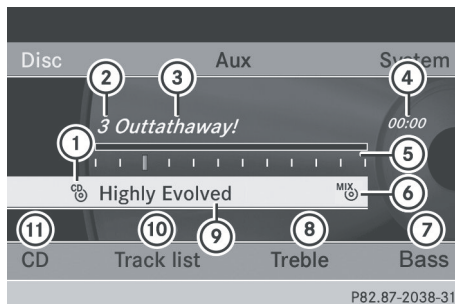
- ▶ Press eject button ②.
The drive ejects the disc.
- ▶ Take the disc out of the slot.
If you do not take the disc out of the slot, the drive will draw it in again automatically after a short while.

Switching to audio CD, audio DVD or MP3 mode

Introduction

- ▶ Insert a CD/DVD (▷ page 63).
The Rear Seat Entertainment System loads the inserted disc.
- ▶ Select **Disc** with the remote control and confirm with **OK**.
The corresponding mode is activated. The Rear Seat Entertainment System plays the disc.

Example display: audio CD mode



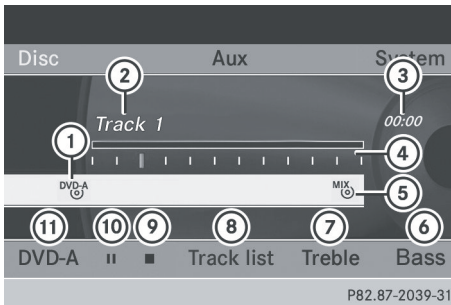
P82.87-2038-31

- ① Type of data medium
- ② Track number
- ③ Track name (only if stored on the disc as CD text)
- ④ Track time
- ⑤ Graphic time and track display
- ⑥ Current playback settings (no symbol for "Normal track sequence")
- ⑦ To set the bass
- ⑧ To set the treble

- ⑨ Disc name (only if stored on the disc as CD text)
- ⑩ To call up the track list
- ⑪ To select playback options

- ③ Track name
- ④ Track time
- ⑤ Graphic time and track display
- ⑥ Current playback settings (no symbol for "Normal track sequence")
- ⑦ To set the bass
- ⑧ To set the treble
- ⑨ Disc name or current folder
- ⑩ To call up the folder list
- ⑪ To select playback options, switch track information on or off

Example display: audio DVD mode



- ① Type of data medium ^{DVD-A}
- ② Track number
- ③ Track time
- ④ Graphic time and track display
- ⑤ Current playback settings (no symbol for "Normal track sequence")
- ⑥ To set the bass
- ⑦ To set the treble
- ⑧ To call up the track list
- ⑨ Stop function
- ⑩ Pause function
- ⑪ To select playback options

i Variable bit rates in MP3 tracks can result in the elapsed time shown being different from the actual elapsed time.

Selecting a track

Selecting by skipping to a track

▶ **To skip forwards or backwards to a track:** press the ◀ or ▶ button when the display/selection window is active.

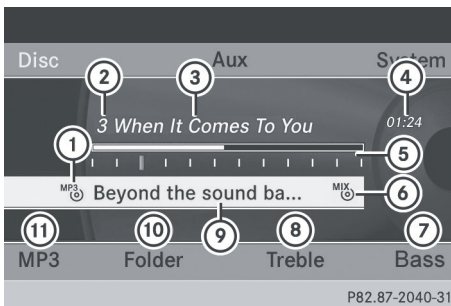
or

▶ Press the ⏮ or ⏭ button.

Skip forwards: you hear the next track.

Skip back: the current track is restarted if it has been playing for longer than approximately 10 seconds. If it has been playing for less time, the previous track is played.

Example display: MP3 mode



- ① Type of data medium ^{MP3}
- ② Track number

Selecting by track list

i In audio CD mode, the track list contains all tracks on the disc currently playing.

In audio DVD mode, the track list contains all tracks in the currently active group; see "Setting the audio format" (▷ page 67).

In MP3 mode, the track list shows all tracks in the currently active folder as well as the folder structure, allowing you to select any track on the MP3 CD.

- ▶ Select **Track List** (audio CD/audio DVD mode) or **Folder** (MP3 mode).

or

- ▶ Press the **OK** button when the display/selection window is selected. The track list appears. The **•** dot indicates the current track.

- ▶ **To select a track:** press the **▲** or **▼** button.

- ▶ Press the **OK** button.

Making a selection by entering the track number directly

- ▶ Press the *** 2** button. The track entry display appears.

Example: track 2

- ▶ Press the **2** number key.

Example: track 12

- ▶ Press the corresponding number keys in rapid succession.

- ▶ **i** It is not possible to enter numbers that exceed the number of tracks on the CD or in the currently active folder.

- ▶ Wait for approximately three seconds after making an entry. You will hear the track which has been entered. The corresponding basic menu then reappears.

Fast forwarding/rewinding

- ▶ With the display/selection window active, press the **◀** or **▶** button repeatedly until you reach the desired position.

or

- ▶ Press and hold the **◀◀** or **▶▶** button until the desired position is reached.

Selecting a folder

- ▶ **i** This function is only available in MP3 mode.

- ▶ In MP3 mode, select **Folder** and confirm with **OK**.

or

- ▶ Press the **OK** button when the display/selection window is selected. The folder content appears.



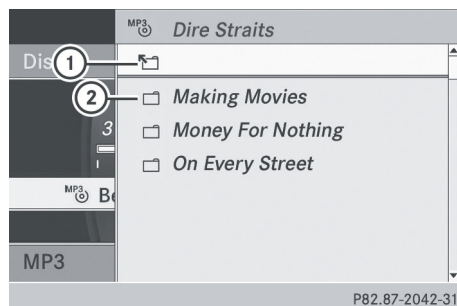
- ① Folder selection symbol

- ② Current folder name

- ③ Track symbol

- ▶ To switch to the next folder up: select symbol ①.

The display shows the next folder up.











- ① Folder selection symbol

- ② Folder symbol












- ▶ Select a folder using the **▲** or **▼** buttons and press the **OK** button to confirm. You will see the tracks in the folder.

- ▶ Select a track using the **▲** or **▼** buttons and press the **OK** button to confirm. The track is played and the corresponding folder is now the active folder.

Pause function

- i** This function is only available in audio DVD mode.
- ▶ **To pause playback:** select  and confirm with . The  display changes to .
- ▶ **To continue playback:** select  and press  to confirm. The  display changes to .












Stop function

- i** This function is only available in audio DVD mode.
- ▶ **To stop playback:** select  and press  to confirm. The  display changes to .
- ▶ **To continue playback:** select  and press  to confirm. Playback continues from the point where it was interrupted.
- ▶ **To stop playback:** while playback is interrupted, select  again and press  to confirm. Playback stops and returns to the beginning of the DVD.  is highlighted.
- ▶ **To restart playback:** select  and press  to confirm. Playback starts from the beginning of the DVD.

Setting the audio format

- i** You can only set the audio format in audio DVD mode. The number of audio formats available depends on the DVD. The content of an audio DVD is called an "album", and this can be divided into up to nine groups. A group can contain music in different sound qualities (stereo and multichannel formats, for example), or bonus tracks. Each group can contain up to 99 tracks. If an audio DVD only contains one audio





format, the **Group** menu item cannot be selected.

- ▶ Press the  or  button to select **DVD-A** and confirm with the .
- ▶ Press the  or  button to select **Group** and confirm with the . The list of available audio formats appears. The  dot indicates the format currently selected.
- ▶ **To change a setting:** press the  or .
- ▶ Press the .
- ▶ **To exit the menu:** press the .

Playback options

Introduction

The following options are available:

- **Normal Track Sequence**
- **Random Tracks**
- **Random Folder** (only in MP3 mode)
- ▶ **To select an option:** select **CD** or **DVD-A** or **MP3**. The options list appears. The  dot indicates the option currently selected.
 - ▶ Press the  or  button to select a different option.
 - ▶ Press the . The option is switched on. For all options except **Normal Track Sequence**, you will see a corresponding display in the display/selection window.
- i** If you change the disc, the **Normal Track Sequence** option is activated automatically. If an option is selected, it remains selected after the Rear Seat Entertainment System is switched on or off.

Explanation of the playback options

- **Normal Track Sequence**

In audio CD/DVD mode, you hear all the tracks in their normal sequence (e.g. track 1, 2, 3 etc.).

In MP3 mode, the track order is determined by the order in which the tracks are written to the MP3 data carrier when it is created. Alphabetical order is the most common.

Once all the tracks in a folder have been played, the tracks in the next folder are played.

- **Random Tracks**

The tracks are played in a random order (e.g. track 3, 8, 5, etc.).

- **Random Folder** (MP3 mode only)

This option is limited to the tracks in the currently active folder. You hear the tracks in random order.

Switching track information on/off (MP3 mode only)

When the function is activated, the folder and track names are displayed.

When the function is deactivated, the disc and file names are displayed.

- ▶ Select **Display Track Information**.
The function is switched on or off , depending on the previous status.

Video DVD mode

Important safety notes

WARNING

The CD/DVD drive is 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.

The Rear Seat Entertainment System contains no parts which you can repair yourself. For safety reasons, all maintenance work must be

carried out by qualified aftersales technicians.

Notes about discs

Notes about CDs/DVDs can be found here (▷ page 54).

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 Rear Seat Entertainment System 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 If you insert a video DVD with a different region code, you will see a message to this effect.

i The Rear Seat Entertainment System is set to region code 2 at the factory. This setting can be changed at an authorized Mercedes-Benz Center. This will allow you to play video DVDs with a different region code, provided that they are produced in accordance with the PAL or NTSC TV standard.

Playback problems may occur when playing copied discs. There is a large variety of discs, DVD authoring software, writing software and writers available. This variety means that there is no guarantee that the Rear Seat Entertainment System will be able to play video DVDs that you have copied yourself.

Function restrictions


Depending on the DVD, it is possible that certain functions or actions described in this section will be temporarily blocked or may not function at all. As soon as you try to activate these functions or actions, you will see the  symbol in the display.

Inserting and removing DVDs

- ▶ Proceed as described in the "Audio CD/ DVD and MP3 mode" (> page 63) section.

Switching to video DVD mode

- ▶ Insert a video DVD.
The Rear Seat Entertainment System loads the disc.

- ▶ Select **Disc** with the remote control and confirm with .

You switch to video DVD mode.

The video DVD meets the playback



criteria: either the film will begin playing automatically or the DVD menu stored on the DVD will appear. If the DVD menu appears, you must start the film manually.

- ▶ Select the corresponding menu item in the DVD menu (> page 71).

- i** If disc mode was selected previously, the Rear Seat Entertainment System automatically plays a disc once you have inserted it.

Hiding/showing the navigation menu

- ▶ **To show:** press the  or  button.

- ▶ **To hide:** press the  or  button.

or

- ▶ Wait for approximately eight seconds.



Navigation menu

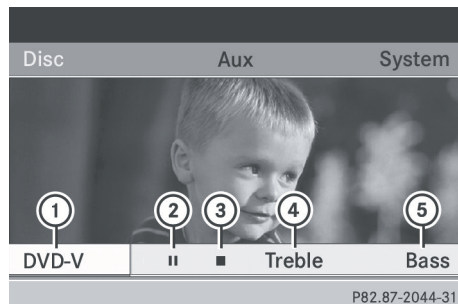
- ① Disc type
- ② Current title
- ③ Current scene
- ④ Track time
- ⑤ To show the menu system

Showing/hiding the menu

- ▶ **To show:** press the .



or

- ▶ When the navigation menu is shown, select **Menu**.





Menu system







- ① Video DVD options
- ② Pause function
- ③ Stop function
- ④ To set the treble
- ⑤ To set the bass

- ▶ **To hide:** press the  button, select **Full Screen** and press the  button to confirm.












Fast forwarding/rewinding

- ▶ Press and hold the  or  button until the desired position is reached. You see the navigation menu.

Pause function

- ▶ Display the menu system (▷ page 69).
- ▶ **To pause playback:** select  and press the  button to confirm. The  display changes to .
- ▶ **To continue playback:** select  and press the  button to confirm. The menu system is hidden.

Stop function



- ▶ Display the menu system (▷ page 69).
- ▶ **To stop playback:** select  and press the  button to confirm. The  display changes to . The video image is hidden.
- ▶ **To continue playback:** select  and press the  button to confirm. Playback continues from the point where it was interrupted. The menu system is hidden.
- ▶ **To stop playback:** while playback is interrupted, select  again and press the  button to confirm. Playback stops and returns to the beginning of the DVD.  is highlighted.
- ▶ **To restart playback:** select  and press the  button to confirm. Playback starts from the beginning of the DVD.

Selecting a scene/chapter



Introduction

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 do not permit this at certain points (e.g. during the opening credits).



- ▶ **To skip forwards or backwards:** press the  or  button.

or









- ▶ Press the  or  button. The navigation menu (▷ page 69) appears for approximately eight seconds.

Selecting a scene/chapter directly

Example: scene/chapter 5

- ▶ Press the  button while the movie is playing.
- ▶ Press the corresponding number key, such as .

or

- ▶ Display the menu system (▷ page 69).
- ▶ Select **DVD-V** using the  or  button and confirm with the  button.
- ▶ Select **DVD Functions** using the  or  button and confirm with the  button.
- ▶ Select **Scene Selection** from the menu and press the  button to confirm.
- ▶ Select number **5** and confirm with the  button.

In both cases, playback will begin from the fifth scene/chapter after a brief pause.

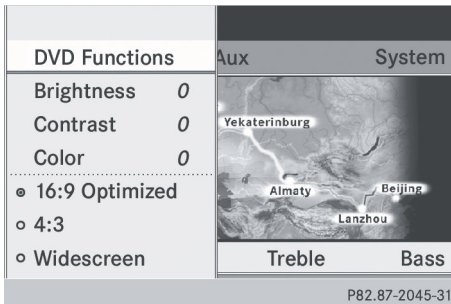
- ▶ **i** It may also be possible to select the scene/chapter from within the menu stored on the DVD.

Selecting a film/title

Introduction

If the DVD contains several films, these can be selected directly. A film can be selected either when the DVD is being played back or when it is stopped.

- ▶ Display the menu system (▷ page 69).
- ▶ Select **DVD-V** using the ◀ or ▶ button and confirm with the **OK** button.
- ▶ Select **DVD Functions** using the ▲ or ▼ button and confirm with the **OK** button.



- ▶ Select **Tracks** from the menu.
- ▶ **To call up the selection list:** press the **OK** button.
- ▶ Select a film/track.

Selecting a film/track directly

Example: selecting film 2

- ▶ Press the **2** button.
After a brief pause, the second film is played.
- i** The film can also be selected from the menu on the DVD itself.

Picture settings

Adjusting the brightness, contrast or color

- ▶ Display the menu system (▷ page 69).
- ▶ Select **DVD-V** using the ◀ or ▶ button and confirm with the **OK** button.
- ▶ Select **Brightness**, **Contrast** or **Color** with the ▲ or ▼ button and confirm with the **OK** button.

- ▶ **To change a setting:** press and hold the ▲ or ▼ button until the desired setting has been reached.
- ▶ **To store a setting:** press **OK**.

Changing the picture format

- ▶ Display the menu system if necessary (▷ page 69).
- ▶ Select **DVD-V** using the ◀ or ▶ button and confirm with the **OK** button.
The DVD-V menu appears. The ● symbol in front of the **16:9 Optimized**, **4:3** or **Widescreen** menu item indicates the format currently set.
- ▶ **To change the format:** press and hold the ▲ or ▼ button until the desired format is selected.
- ▶ **To store a setting:** press **OK**.

DVD menu






Calling up the DVD menu

The DVD menu is the menu stored on the DVD itself. It is structured in various ways according to the individual DVD and permits certain actions and settings.


In the case of multi-language DVDs, for example, you can change the DVD language in the DVD menu.

- ▶ Display the menu system (▷ page 69).
- ▶ Select **DVD-V** using the ◀ or ▶ button and confirm with the **OK** button.
- ▶ Select **DVD Functions** using the ▲ or ▼ button and confirm with the **OK** button.
- ▶ Select **Menu** and confirm with the **OK** button.
The DVD menu appears.

Selecting menu items in the DVD menu

- ▶ Press the , ,  or  button.
- ▶ **To confirm your selection:** press the  button.
The selection menu appears.
- i** Menu items which cannot be selected are grayed out.




- ▶ Confirm **Select**.
The Rear Seat Entertainment System carries out the action or displays a submenu for the item selected in the DVD menu.
- ▶ Make a selection from the further options, if necessary.
The Rear Seat Entertainment System then switches back to the DVD menu.
- i** Depending on the DVD, the menu items: **Back (to movie)**, **Play**, **Stop**, **◀◀**, **▶▶** or **Go Up** may not function or not function at certain points in the DVD menu. To indicate this, the  symbol appears in the display.


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

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

Moving up one level in the DVD menu









- ▶ Press the  back button.
- or
- ▶ Select the corresponding menu item from the DVD menu.
- or
- ▶ Select any menu item from the DVD menu.
- ▶ Select the **Go Up** menu item from the menu.










Back to the film

- ▶ Press the  back button repeatedly until you see the film.
- or
- ▶ Select the corresponding menu item from the DVD menu.
- or
- ▶ Select any menu item from the DVD menu.
- ▶ Select the **Back (to movie)** menu item from the selection menu.

Setting the language and audio format













This function is not available on all DVDs. If it is available, you can set the audio language or the audio format. The number of settings is determined by the DVD content. It may also be possible to access the settings from the DVD menu.

- ▶ Show the menu system (▷ page 69).
- ▶ Select **DVD-V** using the  or  button and confirm with the  button.
- ▶ Select **DVD Functions** using the  or  button and confirm with the  button.
- ▶ Select **Audio Language** and press the  button to confirm.
A selection menu appears after a short while. The  dot in front of an entry indicates the currently selected language.

- ▶ **To change a setting:** press and hold the  or  button until the desired setting has been reached.
- ▶ **To store a setting:** press .
- ▶ **To exit the menu:** press the  or  button.
- ▶ **To select an action:** press the , ,  or  button.
- ▶ **To trigger an action:** press the  button.
A menu appears and the first entry, **Select**, is highlighted.
- ▶ Press the  button.

Subtitles and camera angle

These functions are not available on all DVDs. The number of subtitle languages and camera angles available depends on the content of the DVD. It may also be possible to access the settings from the DVD menu.

- ▶ Display the menu system (▷ page 69).
- ▶ Select **DVD-V** using the  or  button and confirm with the .
- ▶ Select **DVD Functions** using the  or  button and confirm with the .
- ▶ Select **Subtitles** or **Camera Angle** and press the  button to confirm.
In both cases, a selection menu appears after a short while. The ● dot in front of an entry indicates the current setting.
- ▶ **To change a setting:** press and hold the  or  button until the desired setting has been reached.
- ▶ **To store a setting:** press .
- ▶ **To exit the menu:** press the  or  button.

Interactive content

DVDs can also contain interactive content (e.g. a video game). In a video game, you may be able to influence events by selecting and triggering actions. The type and number of actions depend on the DVD.

AUX mode

Introduction

You can connect one external video source to each of the displays of the Rear Seat Entertainment System (AUX display) and also one external video source to the rear-compartment CD/DVD drive (AUX drive) with a sound and video signal.

Please see the corresponding operating instructions for information on how to operate the external video source.

For further details about external video sources, please consult an authorized Mercedes-Benz Center.

Connecting AUX equipment

AUX drive

The AUX drive jacks are located on the CD/DVD drive on the right next to the CD/DVD eject button (▷ page 23).

Displaying AUX




The AUX display jacks are on the side of the screen (▷ page 21).

Audio and video connection

- ▶ Insert the audio plugs for the left and right signals into the corresponding **L** and **R** jacks.
- ▶ Insert the video plug into the **V** jack.

Activating AUX mode





AUX drive

- ▶ Select **Aux** using the  or  button and confirm with the  button. The AUX menu appears.










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AUX menu




- ▶ Select **Source** and confirm with the  button.
- ▶ Select the **Disk Drive Aux** with the  or  button and confirm with the  button. You will hear and see the content of the video source if it is connected to the CD/DVD drive and switched to playback. If no video image is available from the AUX source connected, you will see an audio menu.

Displaying AUX






- ▶ Select the screen to which an external video source is connected for the remote control.
- ▶ Select **Aux** using the  or  button and confirm with the  button.
- ▶ Select **Source** and confirm with the  button.
- ▶ Select the **Display Aux** with the  or  button and confirm with the  button. You will see and hear the content of the video source if it is switched to playback. If no video image is available from the AUX

source connected, you will see an audio menu.

Adjusting the brightness, contrast or color

- ▶ Select **Display Aux** or **Disk Drive Aux** in the AUX menu.
- ▶ Select **Brightness**, **Contrast** or **Color**. An adjustment scale appears.
- ▶ **To make a setting:** press the  or  button.
- ▶ **To confirm your selection:** press the  button.

Changing the picture format

- ▶ Select **Display Aux** or **Disk Drive Aux** in the AUX menu and confirm with the  button. The  symbol in front of the **16:9 Optimized**, **4:3** or **Widescreen** menu item indicates the format currently set.
- ▶ **To change the format:** press and hold the  or  button until the desired format is selected.
- ▶ **To store a setting:** press .

Publication details

Internet

Further information about Mercedes-Benz vehicles and about Daimler AG can be found on the following websites

<http://www.mercedes-benz.com>

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