

NTG5HUE213

User's Manual

FCC/IC Notices

This device complies with Part 15 of FCC Rules and RSS-Standard(s) of IC Rules. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of this device

Cet appareil numérique est conforme aux normes canadiennes licence-exempt RSS standard(s) Son fonctionnement est soumis aux deux conditions suivantes :

(1) cet appareil ne doit pas causer d'interférence et (2) cet appareil doit accepter toute interférence, notamment les interférences qui peuvent affecter son fonctionnement.

CAUTION:

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

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

This equipment complies with FCC/IC radiation exposure limits set forth for uncontrolled equipment and meets the FCC radio frequency (RF) Exposure Guidelines and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that it deemed to comply without maximum permissive exposure evaluation (MPE).

Cet équipement est conforme aux limites d'exposition aux rayonnements énoncées pour un environnement non

contrôlé et respecte les règles d'exposition aux fréquences radioélectriques (RF) CNR-102 de l'IC. Cet équipement

émet une énergie RF très faible qui est considérée conforme sans évaluation du débit d'absorption spécifique(DAS).

Declarations of conformity

Wireless vehicle components

The following information applies to all components of the Audio 20 which receive and/or transmit radio waves: the components that receive and/or transmit radio waves are compliant with the basic requirements and all other relevant conditions of Directive 1999/5/EC.

Electromagnetic compatibility

The electromagnetic compatibility of the vehicle components has been checked and certified according to the currently valid version of Directive ECE-R 10.

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Functions

- **Radio/DAB radio**
Internet radio, see Communication
- **Media**
 - Media support: two connection options for USB or Media Interface (e.g. iPod®), SD card, Bluetooth audio.
 - Music search using all media
- **Sound system**
You can select from two sound systems:
 - Standard sound system
 - Burmester® surround sound system
- **Navigation system**
 - Navigation via an SD card (if available)
 - Realistic 3D map with textured city models
- **Communication**
 - Telephony via Bluetooth® interface or telephone module with Bluetooth® (SAP profile)
 - Reading text messages
 - Internet browser
 - Mercedes-Benz Apps with Google™ Local Search, Destination/Route Download, Weather, Facebook, Google™ Street View, Internet radio, stock prices, news and much more
 - Mercedes-Benz Mobile Website
- **Vehicle functions**
 - Vehicle settings, such as ambient lighting, belt adjustment and tow-away protection
 - Reversing camera
 - Climate control functions, such as climate mode, perfume atomiser and auxiliary heating
 - AGILITY SELECT (individual drive program)
- **Favourites button**
Fast access to favourites functions using the favourites button on the controller or on the touchpad

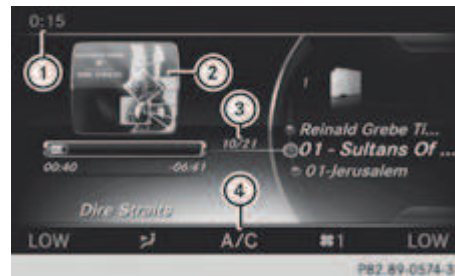
Display

General notes

! Do not use the space in front of the display for storage. Objects placed here could damage the display or impair its function. Avoid any direct contact with the display surface. Pressure on the display surface may result in impairments to the display, which could be irreversible.

Wearing polarised sunglasses may impair your ability to read the display. The display has an automatic temperature-controlled switch-off feature. The brightness is automatically reduced if the temperature is too high. If necessary, the display may temporarily switch off completely.

Overview



- ① Status bar with time, can show other displays
- ② Cover view
- ③ Main display field
- ④ Climate control status display

The example shows media playback in SD memory card mode.

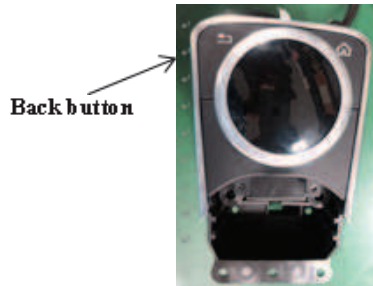
Cleaning instructions

! Do not touch the display. The display has

a very sensitive high-gloss surface; there is a risk of scratching. If you have to clean the screen, however, use a mild cleaning agent and a soft, lint-free cloth.

The display must be switched off and have cooled down before you start cleaning. Clean the display screen, when necessary, with a commercially available microfibre cloth and cleaning agent for TFT/LCD displays. Do not apply pressure to the display surface when cleaning it, as this could cause irreversible damage to the display. Then dry the surface with a dry microfibre cloth.

Avoid using alcoholic thinners, petrol or abrasive cleaning agents. These could damage the display surface.



Back button

You can use the  button to exit a menu or to call up the basic display of the current operating mode.

- **To exit the menu:** briefly press the  button.
Audio 20 changes to the next higher menu level in the current operating mode.
- **To call up the basic display:** press the  button for longer than two seconds.
Audio 20 changes to the basic display of the current operating mode.

Controller

The controller in the centre console lets you:

- select menu items on the display
- enter characters
- select a destination on the map
- save entries.

The controller can be:

- turned 
- slid left or right 
- slid forwards or back 
- slid diagonally 
- press briefly or press and hold 

General information about Bluetooth®

Bluetooth® technology is a standard for short-range wireless data transmissions up to approximately 10 metres. You can use Bluetooth® to connect your mobile phone to Audio 20 to, for example:

- use the hands-free system
- establish an Internet connection
- listen to music using Bluetooth® Audio
- exchange vCards

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

Activating/deactivating Bluetooth®

- ▶ Press the  button in the centre console. The **Vehicle** menu appears.

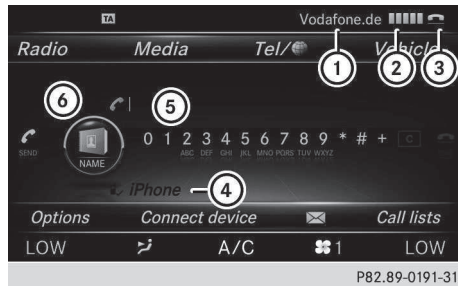


- ▶ To select **System settings**: slide  the controller, turn and press to confirm. A menu appears.



- ▶ To select **Activate Bluetooth**: turn and press the controller. This switches Bluetooth® on ☒ or off ☐.

Telephone menu



- ① Mobile phone network provider
- ② Signal strength of the mobile phone network
- ③ Receiver icon  or 
- ④ Bluetooth® device name of the currently connected mobile phone
- ⑤ Telephone menu character bar
- ⑥ To display the phone book

Symbols ① to ② are not shown until after a mobile phone has been connected to Audio 20. The symbols depend on your mobile phone and your mobile phone network provider. Further information on connecting a mobile phone.

Symbol ② shows the current signal strength of the mobile phone network. If all bars are filled, you have optimum reception.

If the bars are not filled, you have very poor reception or no reception at all.

i The receiver symbol shows whether a call is active/being connected  or not .

Connecting/disconnecting a mobile phone

Conditions

For telephony via the Bluetooth® interface, you require a Bluetooth®-capable mobile phone. The mobile phone must support Hands-Free Profile 1.0 or above.

On Audio 20

- Activate Bluetooth®

On the mobile phone

- Switch on the mobile phone and enter the PIN when prompted to do so (see the manufacturer's operating instructions).
- Activate Bluetooth® and, if necessary, Bluetooth® visibility for other devices (see the manufacturer's operating instructions). This visibility is for restricted periods of time on some mobile phones (see the manufacturer's operating instructions).
- Set the Bluetooth® device name for the mobile phone if necessary.

The Bluetooth® device names for all of one manufacturer's products might be identical.

Procedure and general information

Searching for and authorising (connecting) a mobile phone

Before using your mobile phone with Audio 20 for the first time, you will need to search for it and then authorise it.

Depending on the mobile phone, you can authorise it either via Secure Simple Pairing or by entering a passkey. Audio 20 automatically makes the system suitable for your mobile phone available. You can recognise Secure Simple Pairing by a code which is displayed on the mobile phone and in Audio 20. You can recognise the pass-key system by the fact that you have to enter a code on the mobile phone and in Audio 20. The mobile phone is always connected automatically after authorisation.

If Audio 20 is unable to detect your mobile phone, this may be due to your mobile phone security settings. You can also start the search procedure and authorisation on the mobile phone.

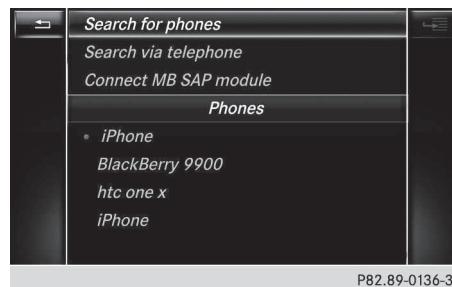
You can authorise up to 15 mobile phones. Only one mobile phone can be connected to Audio 20 at any one time.

De-authorising (disconnecting) a mobile phone

The connection is terminated automatically if you leave the receiver range of Audio 20 or deactivate Bluetooth® on your mobile phone.

If you no longer want the Bluetooth® connection to be established, the mobile phone must be de-authorised (disconnected).

Searching for a mobile phone



- To switch to the menu bar in the telephone menu: slide  the controller.
- To select **Connect device**: turn the controller and press to confirm. The device list is displayed.
- To select **Search for phones**: turn and press the controller.

A message is displayed that Bluetooth® must be activated on the mobile phone and must be made visible to other devices.

Connecting/disconnecting a mobile phone

- To select **Start search** : press the controller.
The available mobile phones are displayed in the device list.

The duration of the search depends on the number of Bluetooth® telephones within range and their characteristics.

If a new phone is found, it appears in the device list with the  symbol. You can now authorise (connect) the mobile phone found. If the device list is already full, you will be requested to de-authorise a mobile phone.

When you call up the device list again, de-authorised devices will be removed from the list. To update the device list, start the search again.

Symbols in the device list

Sym- bol	Explanation
	New mobile phone found, not yet authorised.
	Mobile phone is authorised, but is not connected.
•	Mobile phone is authorised and connected.

Authorising a mobile phone (connecting)

Authorisation using Secure Simple Pairing

If Audio 20 has found your mobile phone, you can authorise (connect) it.

- To select a mobile phone from the device list: turn the controller and press to confirm.
A code is displayed in Audio 20 and on the mobile phone.

Authorisation by entering a passkey (access code)

If Audio 20 has found your mobile phone, you can authorise (connect) it.

- To select the Bluetooth® name of the desired mobile phone in the device list: turn and press the controller.

The input menu for the passkey is displayed.

The passkey is a one to sixteen-digit number combination which you can choose yourself.

- **Audio 20:** enter the passkey using the character bar.
- Select  once all the numbers have been entered.
- **Mobile phone:** enter the same passkey and confirm your entry. Depending on the mobile phone used, you may have to confirm the connection to Audio 20 and for the PBAP and MAP Bluetooth® profiles. The prompt to confirm may take up to two minutes to be displayed. You may also save the confirmation on the mobile phone (see the manufacturer's operating instructions). The mobile phone is now authorised and connected to Audio 20. You can now speak using the hands-free system.

If the **Authorisation failed** message appears, you may have entered a different passkey or exceeded the prescribed time limit. Repeat the procedure.

Connecting/disconnecting a mobile phone

Establishing the connection from the mobile phone

The Bluetooth® device name of Audio 20 is "MB Bluetooth".

- ▶ **Audio 20:** call up the telephone menu.
- ▶ To switch to the menu bar: slide  the controller.
- ▶ To select **Connect device**: turn the controller and press to confirm.
The device list is displayed.
- ▶ To select **Search via telephone**: turn and press the controller.
A message is displayed, stating that you can start the search on your mobile phone.
- ▶ **Mobile phone:** start the search for a Bluetooth® device (see manufacturer's operating instructions).
Audio 20 is displayed with the name "MB Bluetooth" in the mobile phone's device list.
- ▶ Select "MB Bluetooth".
A prompt appears in the Audio 20 display asking whether the mobile phone should be authorised.
- ▶ **Audio 20:** select **Yes**.
If **No** is selected, the procedure is cancelled.
If your mobile phone supports Secure Simple Pairing, a code is now displayed on both devices.

De-authorising (disconnecting) a mobile phone

- ▶ To call up the telephone menu: press the  button.
- ▶ To show the menu bar: slide  the controller.
- ▶ To select **Connect device**: turn the controller and press to confirm.
- ▶ To highlight the desired mobile phone in the device list: turn the controller.
- ▶ To select : slide  the controller.
- ▶ To select **De-authorise**: turn and press the controller.
A prompt appears, asking whether you really wish to de-authorise this device.
- ▶ To select **Yes**: turn and press the controller.
The mobile phone is de-authorised.

Functions available during a call

Overview



- ① Person you are calling
- ② Icon for active telephone connection
- ③ Ends the call
- ④ Switches the microphone on/off
- ⑤ Sends DTMF tones (not possible with all mobile phones)

Adding a call

If the mobile phone network provider and the mobile phone support the function, you can make another call during an existing call. The previously active call is held.



- ① Adding a call
 - To select : turn and press the controller.
 - Make a call:
 - using the telephone menu
 - redialling
 - using call lists
 - using the phone book
 - using speed dial

Switching the microphone on/off

This function is available in the telephone menu during an active phone call.

To switch off the microphone:

- To switch to the menu bar: slide  the controller.
 - To select **Microphone off**: turn and press the controller.
- When the microphone is switched off, the  symbol and the **The microphone is off.** message are displayed.

To switch on the microphone:

- Select **Microphone on**.
- The  symbol disappears. The **The microphone is on.** message is shown.

Audio 20 features

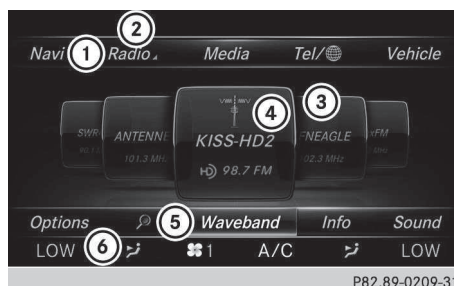
These operating instructions describe all standard and optional equipment available for your Audio 20 system at the time of purchase. Country-specific differences are possible. Please note that your Audio 20 system may not be equipped with all the features described. This also applies to safety-relevant systems and functions. Therefore, the equipment on your Audio 20 system may differ from that in the descriptions and illustrations. Should you have any questions concerning equipment and operation, please consult an authorized Mercedes-Benz Center.

Radio mode

Switching to radio mode

- Press the **RADIO** button.
The radio display appears. You will hear the last station played on the last waveband selected.

Radio overview



- ① Main function bar
- ② Status bar with compass display
- ③ Main display field with available stations and displays
- ④ Display of radio station selected
- ⑤ Radio menu bar
- ⑥ Climate control status bar

- To activate the main function and menu bar: in radio mode, slide **↑** **⊙** **↓** the controller.

Radio menu overview

Radio main function bar

- **HD FM Radio**: HD FM radio mode
- **HD AM Radio**: HD/MW radio mode
- **Sat Radio**: satellite radio
- **Radio Station Presets**: 99 preset positions for radio stations
- **Info on Radio**: Digital Operator's Manual
- **Internet Radio**: Internet radio

Radio menu bar "Options"

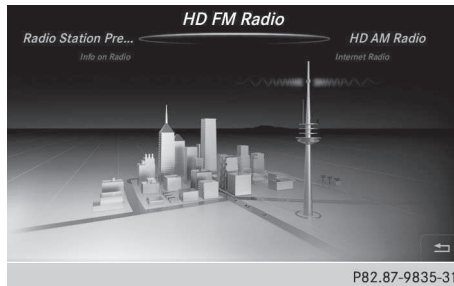
- **Tag This Track**: saves track information on an Apple device for a later purchase option via iTunes
- **Enter Frequency**: manual frequency entry
- **Current Station/Channel Listing**: list of available stations
- **Edit List**: selects and edits station presets
- **Show Station Information**: switches artist and track display and station name on/off
- **HD Radio**: switches HD Radio on/off

Radio menu bar

- **Search**: searches for stations by name
- **Preset**: Preset Calling
- **Band**: waveband selection
- **Info**: displays additional information about the current station (radio text)
- **Sound**: sound settings, Burmester sound

Setting the waveband

Button activation



Using the main function bar

- In radio mode: slide the controller. The radio main function bar and menu bar appear. **Radio** is active.
- Press the controller. A menu appears with a selection of **HD FM Radio**, **HD AM Radio**, **Radio Station Presets**, **Info on Radio** and **Internet Radio**.
- Turn the controller until the required waveband is in the center. Press the controller.

Using the radio menu bar

- In radio mode: slide the controller. The radio main function bar and menu bar appear.
- To select **Band**: turn and press the controller. A menu appears with a selection of **HD FM Radio**, **HD AM Radio**.
- Turn the controller until the required waveband is in the center. Press the controller.

Selecting a station

From the main display field



All currently available stations are displayed.

- In radio mode: turn the controller until the desired station is in the center.

Using the current station list



i The station list is available in the HD AM and HD FM wavebands. It includes all stations that can be received.

- In radio mode: press the controller. The station list appears with the stations currently available.
- To select the desired station: turn and press the controller.

Using frequency entry

- In radio mode: slide the controller. The radio menu bar appears.
- To select **Options**: turn and press the controller.

- ▶ Select **Enter Frequency**.
- ▶ Using the telephone keypad, enter the station frequency in the entry field.

Using the search function

- ▶ In radio mode: slide the controller. The radio menu bar appears.
- ▶ Select and enter the first letters of the required station using the controller. As soon as there are enough characters entered, Audio 20 shows a list of available stations.
- ▶ To select stations from the list: turn the controller and press to confirm.

Tagging music tracks

If an Apple® device is connected, the music tracks and artist displayed in the radio text can be stored. Using iTunes you have the option of purchasing this track.

- ▶ In radio mode: slide the controller.
- ▶ Select **Options**.
- ▶ Select **Tag This Track**.
A message appears in Audio 20 about storing track information.

Station Information

- ▶ In radio mode: slide the controller.
- ▶ To select **Options**: turn and press the controller.
- ▶ You can determine whether or not the artist, track or station name are shown in the main display area with ☒ or ☐ before **Show Station Information**.

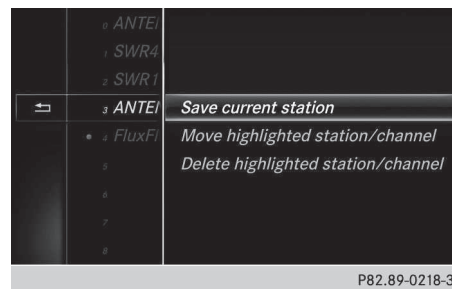
Station list

- ▶ **i** The station list is only available in the FM/AM waveband. It includes all FM and AM stations that can currently be received.

- ▶ In radio mode: press the controller. The station list appears with the stations currently available.

Storing a station

- ▶ **i** The available stations for your region are already saved in Audio 20. There are 99 preset positions available.



Storing current stations

- ▶ In radio mode: slide the controller.
- ▶ To select **Options**: turn and press the controller.
- ▶ Select **Edit List**.
- ▶ Select the position of the required preset: turn the controller.
This can also be a preset position that is already occupied, which is then overwritten by the current station.
- ▶ Slide the controller. An additional menu appears.
- ▶ To select the **Save Current Station/Channel** option: turn and press the controller.
The currently set station is stored in the selected preset position.

Moving highlighted stations

- ▶ In radio mode: slide the controller.
- ▶ To select **Options**: turn and press the controller.
- ▶ Select **Edit List**.
- ▶ To select the required preset entry: turn the controller.

- Slide the controller.
An additional menu appears.
- To select the **Move Highlighted Station/Channel** option: turn and press the controller.
The list of stored stations appears again.
- To move the highlighted station to the new position: turn the controller and press to confirm.

Deleting highlighted stations

- In radio mode: slide the controller.
- To select **Options** in the radio menu bar: turn and press the controller.
- Select **Edit List**.
- To select the required preset entry: turn the controller.
- Slide the controller.
- To select the **Delete Highlighted Station/Channel** option in the additional menu: turn and press the controller.
- Select **Yes** if you really wish to delete the highlighted sender: press the controller, otherwise select: **No**: press the controller.

Calling up sound settings

- In radio mode: slide the controller.
- To select **Sound** in the radio menu bar: turn and press the controller.
The sound menu appears: (► page 108).

Radio text

This function is available in HD and FM/AM radio mode.

Radio text is additional data, meta data or similar that, in addition to displaying the artist and track, also includes information on the current program.

- To switch on radio text: in radio mode, slide the controller.
The Radio menu bar is shown.
- To select **Info**: turn and press the controller.



With an active **Info** button, a larger view of the radio station set will be shown together with radio text information in place of the list of stations. The frequency is visible in the context display.

- To switch on radio text plus: in radio mode, slide the controller.
The Radio menu bar is shown.
- Select **Info**.
The display switches back to the radio station overview with radio text plus information.

General notes

The satellite radio mode requires satellite radio equipment and registration with a satellite radio provider.

Note that the categories and channels shown in the illustrations depend on the program content offered by the provider. 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 unavailable or interrupted for a variety of reasons. These include environmental or topographical conditions as well as other factors beyond the control of Mercedes-Benz USA, LLC. This means operation may not be possible in certain areas.

These include:

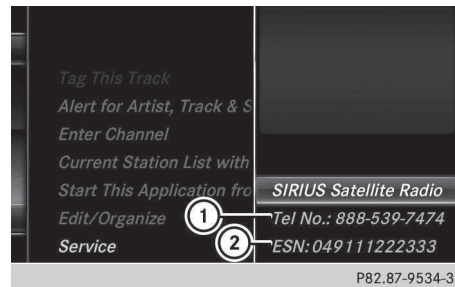
- tunnels
- parking garages
- locations inside or next to buildings
- locations in the vicinity of other structures

SIRIUS XM Satellite Radio offers more than 140 digital-quality radio channels providing 100% commercial-free music, sports, news and entertainment.

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

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

Registering SatRadio



- ① Phone number of provider
- ② SIRIUS XM ID of your satellite receiver

- Switch on SatRadio mode.
The satellite radio main menu appears showing the preview channel. You cannot select any other stations.
- To select **Options** in the menu bar: slide and press the controller.
- To select **Service**: turn and press the controller.
The service information screen appears.

Once the connection has been established:

- Follow the instructions of the service staff.
The activation process may take up to ten minutes. If activation is completed successfully, the **Updating Channels** message appears in the display, followed by the satellite radio main menu.

- i** You can also have the satellite service activated online. To do so, visit the SIRIUS XM Radio website at <http://www.siriusxm.com> (USA) or <http://www.siriusxm.ca> (Canada).
- 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 Not Available** message will appear.

Switching to satellite radio



- ① Main function bar
- ② Channel name
- ③ Channel information
- ④ Press calling manu
- ⑤ Category list
- ⑥ Keyword search
- ⑦ Options menu

- To select **Radio** in the main function bar: turn the controller and press to confirm. If satellite radio mode was the last mode selected, it will now be active.

If another radio mode is switched on, you can now switch to satellite radio mode in the carousel menu.

- To select **Options**: slide and press the controller.

The message **No Service** appears if there is no signal.

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

Selecting a category

Satellite radio channels are sorted into various categories. You can choose between various categories such as News/Discussions, Sports and Country (if available). The category list is sorted alphabetically. The content of the categories is sorted by channel numbers.

- **To call up the category list:** select **Cat-****egory** in the menu bar: slide and press the controller. The category list appears.

- **To select a category:** turn the controller and press to confirm. The category selected is shown in the display. You hear the station last selected for this category.

The dot indicates the current setting.

The **All Channels** category is at the top of the category list. This category enables you to browse all available channels.

Selecting a channel

Channel search

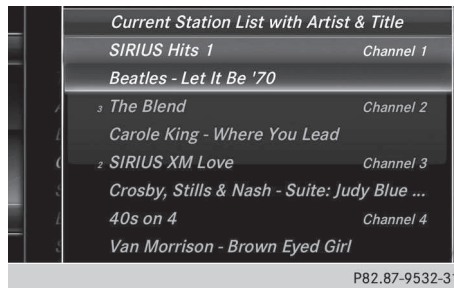
- When the display/section window is selected, slide the controller. Audio 20 searches in both directions (ascending and descending) and stops at the next channel found in the selected category.

Entering channel numbers directly

- To select **Options** in the menu bar: slide and press the controller. The satellite radio menu appears.
- To select **Enter Channel**: turn and press the controller. An input menu appears.
- For the channel number, press the corresponding number keys on the control panel one after the other. Audio 20 sets the selected channel.

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

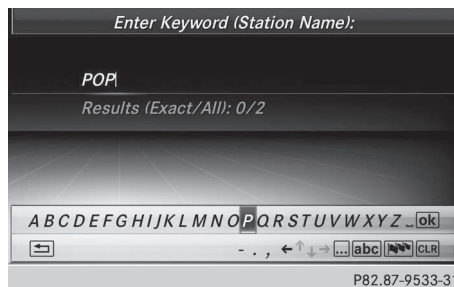
Selecting a channel via the satellite radio station list



You can select the channel using the satellite station list or using the current station list displaying the artists and tracks that are currently playing.

- To select **Options** in the menu bar: slide and press the controller.
- To select **Current Station List with Artist & Title**: turn and press the controller.
The channel list appears.
- Select the desired channel

Keyword search



- To select the keyword search in the menu bar: slide and turn the controller.
- To enter the required search term: turn and press the controller.
Direct and indirect results are shown.
- Select the required result.
The relevant channel is played.

Memory functions

- i** There are 99 presets available.
- To store a channel using the **edit function**: select **Options** in the menu bar: slide and press the controller.
- To select **Edit/Organize**: turn and press the controller.
The list of saved channels appears.
- To select the preset: turn the controller and press for about 2 seconds.
The newly saved station overwrites the existing preset.

Music and sport alerts

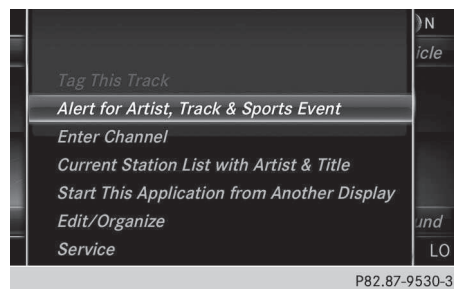
General notes

This function makes it possible to store a program alert for your favorite artists, tracks or sporting events.

You can store up to 30 music and sports alerts (favorites).

Music alerts can only be saved whilst a track is being played. You can also specify sport alerts via the menu option. The system then continuously scans all channels and notifies you if it finds a match with a stored alert. A window appears with the respective information.

Setting a music alert

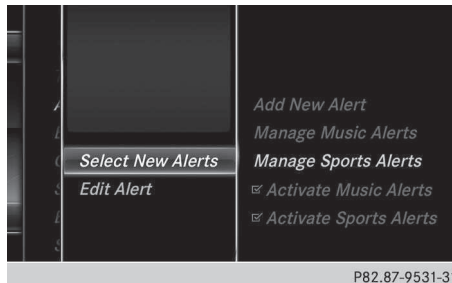


- ▶ To select **Options** in the menu bar: slide  and press the controller.
- ▶ To select **Alert for Artist, Track & Sports Event**: turn and press the controller.
A menu appears.
- ▶ Select **Add New Alert**.
A window with a prompt appears.
- ▶ Select **Artist** or **Track**.
The alert is set for the current artist or track.

The music alert window appears

- ▶ To select **Change to** or **Ignore**: turn and press the controller.
If you select **Change to**, the channel is changed and the favorite artist or track is played.
If you select **Ignore**, the current channel will continue playing.

Setting a sport alert



- ▶ To select **Options** in the menu bar: slide  and press the controller.
- ▶ To select **Alert for Artist, Track & Sports Event**: turn and press the controller.
A menu appears.
- ▶ Select **Manage Sport Alerts**.
A menu appears.

- ▶ Select **Select New Alerts**.
A menu appears.
- ▶ Select the desired team from a league, e.g. college, NBA, NHL, NFL or MLB.
The alert function for the sports team is added.

Editing music and sport alerts

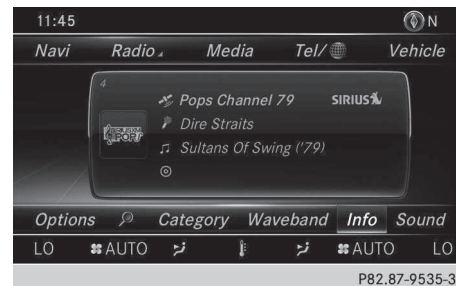
- ▶ Select **Edit Alert**.
A list of set sport alerts appears.
- ▶ Select **Manage Music Alerts**.
A list of set artists and tracks (artist) appears.

Tagging music tracks

If you have an Apple device connected, you can purchase the music track that is currently playing from an iTunes Store. If no Apple device is connected, this function is grayed out.

- ▶ To select **Options** in the menu bar: slide  and press the controller.
- ▶ To select **Tag this Track**: turn and press the controller.
A message about saving this music track on the Apple device appears.

Displaying information



- ▶ To select **Info** in the menu bar: slide  and press the controller.
Information on the currently received program is displayed.

If available, you will see:

- the channel logo
 - the channel abbreviation
 - the artist of the track that is currently being played
 - the current track
- ▶ **To return to the radio display:** select **Info**: slide  and press the controller.

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.

- ▶ To select **Options** in the menu bar: slide  and press the controller.
- ▶ To select **Service**: turn and press the controller.
The provider's details appear.
- ▶ **To return to the main display:** press the  button.

Channel list updates

During reception of a new channel list, the **Updating Channels...** message is shown. 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.

Switching on media mode

Using the MEDIA button

- ▶ Press the **MEDIA** button.
The menu for the last accessed media source appears.
- ▶ To select the media source: keep pressing the **MEDIA** button until the required media source has been set.
The media sources appear in the following order:
 - Memory card
 - USB
 - BT audioIf playable media files are found, they will be played by Audio 20.
- ▶ To display the function bars: slide  the controller.

Switching on automatically

After an external media source has been connected, Audio 20 will only activate the corresponding media mode automatically in the case of SD cards. When using USB devices, USB basic display must already be activated.

External media sources:

- Apple devices (e.g. iPhone®)
- USB devices (e.g. USB stick, MP3 player)
- SD cards
- via devices connected by Bluetooth®

If playable media files are found, they will be played by Audio 20.

- i** If a media function is already switched on in Audio 20, this will be interrupted and the basic display of the newly connected device will appear.
If another function, such as navigation, is being operated, the basic display will not change. Only the music from the newly connected media source will play.

Using the main function bar



- ▶ To select **Media**: turn and press the controller.
The menu appears with the available media sources.
- ▶ Select the media source.
If the media source contains music files, these will be played. The corresponding basic menu will be shown.

Using the device list



- ▶ In media mode, slide  the controller.
The media menu bar appears.
- ▶ To select **Devices**: turn the controller and press to confirm.
The available media sources will be shown. The • dot indicates the current setting.
- ▶ Select the media source.
If the media source contains music files, these will be played. The corresponding basic menu will be shown.

Inserting and removing an SD memory card

Important safety notes

WARNING

SD memory cards are small parts. They can be swallowed and cause asphyxiation. This poses an increased risk of injury or even fatal injury.

Keep SD memory cards out of the reach of children. If an SD memory card is swallowed, seek immediate medical attention.

- ❗ If you are no longer using the SD memory card, you should remove it. High temperatures can damage the card.

Audio 20 supports SD memory cards (**S**ecure **D**igital), SDHC memory cards (**S**ecure **D**igital **H**igh **C**apacity), and SDXC memory cards (**S**ecure **D**igital **e**Xtended **C**apacity).

Inserting an SD memory card

- Insert the SD memory card into the SD card slot in the stowage space under the armrest until the SD memory card engages into place. The side with the contacts must face downwards.
The music is played while the files are loaded in the background. If there are no supported audio files, you will see a message to this effect.

- ❗ If the SD memory card for navigation is inserted into the SD card slot, you can still select the memory card as a media source.

The **No memory card inserted** message then appears.

Ejecting an SD memory card

- Press the memory card.
The memory card is ejected.
- Remove the memory card.

Connecting USB devices

There are two USB ports in the stowage space under the armrest.

- Connect the USB device to the USB port.
The data medium will only be played and the files will only be loaded in the background if the corresponding media display is visible. Otherwise, the system does not automatically switch to USB. If there are no supported audio files, you will see a message to this effect.

- ❗ MP3 players must support Media Transfer Protocol (MTP).

Activating media mode

Switching on automatically

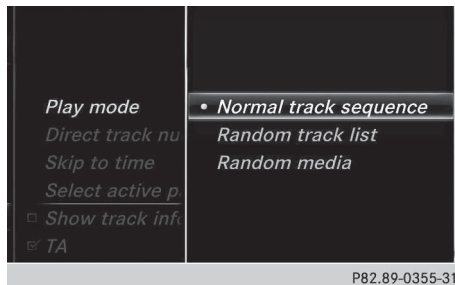
After an external media source has been connected, Audio 20 will only activate the corresponding media mode automatically and show the basic display in the case of SD cards. If the SD is started using another application (e.g. navigation) the display will not change.

When using USB devices, depending on the vehicle's equipment, the relevant Media Interface 1, 2 or USB 1, 2 basic display must already be activated.

- Insert an SD memory card:
or
- Connect a USB device:
Audio 20 loads the inserted medium and playback starts automatically.

Options menu

- ▶ In Media mode, slide  the controller.
The media menu bar is shown.
- ▶ To select **Options**: turn and press the con-



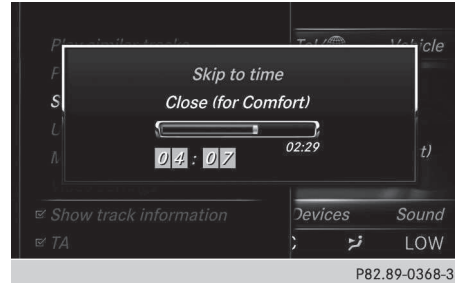
Play mode

- ▶ To select **Play mode**: turn and press the controller.
- ▶ Select **Normal track sequence**.
The current tracklist is played in the order it appears on the data medium.
- ▶ Select **Random track list**.
The current track list is played in random order.
- ▶ Select **Random medium**.
All tracks on the data medium are played in random order.



Direct track entry

- ▶ To select **Track number**: turn and press the controller.
A pop-up menu appears.
- ▶ Use the number keypad to enter the desired track number.



Skip to time

- ▶ To select **Skip to time**: turn and press the controller.
A pop-up menu appears.
- ▶ To set the time: turn the controller
or
- ▶ Set the desired time using the number keypad.

Select active partition

- ▶ To select **Select active partition**:
turn and press the controller.
With the **Select active partition** option, you can select a partition in the USB data medium.

Show track information

Checking or unchecking the box before **Show track information** displays or hides the information on the track, artist and album in the main display field.

Stop and playback function

- **To stop playback:** in audio mode, slide  the controller.
The media menu bar is shown.
- To activate  in the media menu bar: turn the controller and press to confirm
Playback is interrupted here. The display changes to .
- **To continue playback:** in audio mode, slide  the controller.
The media menu bar is shown.
- To activate  in the Media menu bar: turn and press the controller.
Playback is continued from the point of interruption. The symbol changes to .

Selecting a track

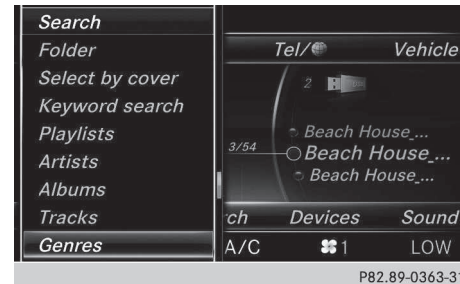
Selecting using the current track list

- **To display the current track list:** press the controller in the basic display.
The category list appears.
Select the current track list.
- To select a track: turn the controller and press to confirm.

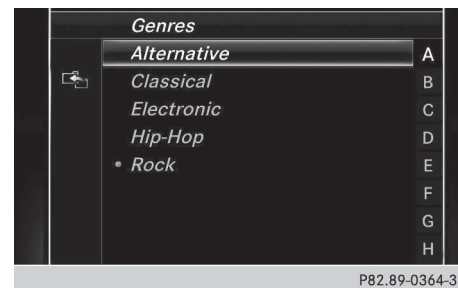
Selecting by skipping to a track

- To skip forwards or backwards to a track: turn or briefly slide  the controller in the media basic display.

The search menu



- In media mode, slide  the controller.
The media menu bar is shown.
- To select **Search**: turn and press the controller.
The category list is shown.
- Select a category, e.g. **Genres**.
Sub-categories appear with the selection of the main category (depends on the Audio 20 default settings and the music tracks available).



- Select a sub-category, e.g. **Rock**.
If the **Rock** sub-category includes music tracks, these will be shown.

Connecting Bluetooth® audio devices

Conditions

- Activate the Bluetooth® function in Audio 20

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

Check your Bluetooth® audio device for the following (see the Bluetooth® audio device's operating instructions):

- Bluetooth® audio profile
The Bluetooth® audio device must support the A2DP and AVRCP Bluetooth® audio profiles.
- Bluetooth® visibility
Certain Bluetooth® audio devices require more than simply activating the Bluetooth® function. In addition, your device must be made "visible" to other devices.
- Bluetooth® device name
This device name is predetermined but can usually be changed. To make a clear selection of the Bluetooth® device possible.
- ❗ A2DP (**A**dvanced **A**udio **D**istribution **P**rofile): Bluetooth® audio profile for audio data transmission
AVRCP (**A**udio **V**ideo **R**emote **C**ontrol **P**rofile): Bluetooth® audio profile for audio data playback
- ❗ The Bluetooth® device must be visible for authorisation. After authorisation, Audio 20 finds the Bluetooth® device even when it is not visible.
- The Bluetooth® function must be activated in Audio 20.

General notes

Before using your Bluetooth® audio device with Audio 20 for the first time, you will need to authorise it.

When you authorise a new Bluetooth® audio device, it is connected automatically. Connection involves first searching for a Bluetooth® audio device and then authorising it.

You can authorise up to fifteen Bluetooth® devices.

- ❗ If you authorise a mobile phone that supports Bluetooth® audio, the A2DP and AVRCP Bluetooth® audio profiles are connected automatically.

The mobile phone is then entered:

- in the Bluetooth® telephone list
- in the Bluetooth® device list

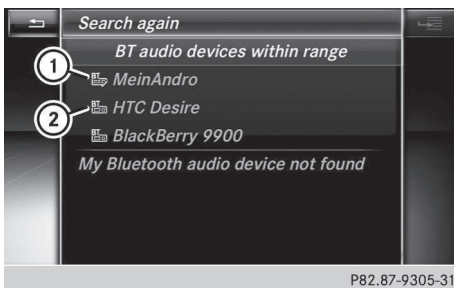
- ❗ If the mobile phone that is connected only supports two Bluetooth® profiles at the same time, Audio 20 functions may behave as follows:

- when connecting to the Internet, playback is stopped on the Bluetooth® audio device.
- when starting playback on the Bluetooth® audio device, the Internet connection is ended.

Searching for and authorising a Bluetooth® audio device

Switching to Bluetooth® audio mode

- ▶ Press the **MEDIA** button.
- ▶ To select **Bluetooth audio** in the menu: turn and press the controller. A menu appears.
If you see the **No Bluetooth audio device connected** message, you will need to authorise the Bluetooth® audio device first.
- ▶ To select **Options** in the Bluetooth® audio menu: slide and press the controller.
- ▶ To select **Bluetooth audio devices**: press the controller. A new menu appears.



- ① Bluetooth® audio player within range and already authorised
- ② Newly detected mobile phone with Bluetooth® audio mode in range

The Bluetooth® device list displays all authorised devices, whether they are within range or not. After a device search, devices which are within range but not authorised are also displayed.

Searching for Bluetooth® audio

- ▶ To select **Searching for audio devices**: press the controller. A display with text appears.



- ▶ Select **Start search**.
Audio 20 searches for Bluetooth® audio devices within range and adds them to the Bluetooth® device list.
The duration of the search depends on the number of Bluetooth® audio devices within range and their characteristics.
- i** On some Bluetooth® audio devices, playback has to be started on the device itself first so that Audio 20 can play the audio files. Bluetooth® must also be given as a media output location for the audio device used.

Authorising Bluetooth® audio

- ▶ Select a Bluetooth® audio device that has not yet been authorised from the list: turn and press the controller. Authorisation starts.

Depending on the Bluetooth® audio device used, you now have two options for continuing with authorisation.

Option 1: entering the passkey

- ▶ You can find information on this in the "Authorising (registering) a mobile phone" section (> page 58). After successful authorisation, the Bluetooth® audio device is connected and starts playing.

Option 2: Secure Simple Pairing

- i** The Bluetooth® audio device must support Bluetooth® version 2.1 for connection via Secure Simple Pairing. Audio20 creates a six-digit code, which is displayed simultaneously on both devices that are to be connected.

For some Bluetooth® audio devices, the pairing must be confirmed within 10 seconds.

- ▶ If the number code displayed on Audio 20 and on the Bluetooth® audio device is the same, select **Yes**: press the controller. If you select **Yes**, authorisation continues and the Bluetooth® audio device is connected. Playback starts.

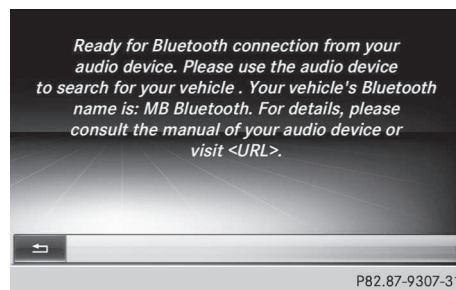
If you select **No**, authorisation will be cancelled.

External authorisation

If Audio 20 does not find your Bluetooth® audio device, this may be due to particular security settings on your Bluetooth® audio device. In this case, check whether conversely your Bluetooth® audio device can locate the Audio 20 system.

The Bluetooth® device name for Audio 20 is **MB Bluetooth**.

- ▶ Switch on Bluetooth® audio mode
- ▶ To select **Options**: slide  and press the controller.
- ▶ To select **Bluetooth audio devices**: press the controller.
- ▶ To select **Connect via audio device**: turn and press the controller.



Authorising

- ▶ Start the authorisation on the Bluetooth® audio device; see the operating instructions of the Bluetooth® audio device. After successful authorisation, the Bluetooth® audio device is connected and starts playing.

On some Bluetooth® audio devices, playback has to be started on the device itself first so that Audio 20 can play the audio files.

Reconnecting a Bluetooth® audio device

The Bluetooth® audio profiles are connected automatically under the following circumstances:

- one of the last two mobile phones to have been connected has also been used as a

Bluetooth® audio player (if the function is supported by the mobile phone).

- the mobile phone is automatically connected. Then the Bluetooth® audio profiles are also connected.

i For an automatic connection with Audio 20, the telephone must be within range.

For most Bluetooth® audio devices, the "automatic connection" must be activated by ticking a box. Depending on the device used, this prompt often takes place when authorising (see the Bluetooth® audio device operating instructions).

If the **No Bluetooth audio device connected** message appears, you have two options to reconnect the Bluetooth® audio device.

Option 1:

- ▶ To confirm **connect device** in the basic display: press the controller.
If Audio 20 can locate the Bluetooth® audio device, it will be connected and playback will start.

Option 2:

- ▶ To select **Options**: slide  and press the controller.
- ▶ To select **Bluetooth audio devices**: press the controller.
- ▶ To select a Bluetooth® audio device: turn and press the controller.
If the Bluetooth® audio device has been authorised, playback starts.

Bluetooth® audio device and simultaneous search for mobile phones

i When searching for a mobile phone or a new Bluetooth® audio device, the connection to an already activated Bluetooth® audio device is terminated.

In the Bluetooth® audio basic display, you will see the **No Bluetooth audio device con-**

nected message and the **Connect device** menu item cannot be selected.

Displaying details

- ▶ To select a Bluetooth® audio device from the Bluetooth® device list: turn the controller.
- ▶ To select the symbol to the right of the Bluetooth® audio device: slide  the controller.
- ▶ To select **Details**: turn and press the controller.

The following information concerning the selected mobile phone is shown:

- Bluetooth® name
- Bluetooth® address
- availability status (shown after an update)
- authorisation status

- ▶ **To close the detailed display**: press the  button.

De-authorising (de-registering) a Bluetooth® audio device

- ▶ To select a Bluetooth® audio device from the Bluetooth® device list: turn the controller.
- ▶ To select the symbol to the right of the Bluetooth® audio device: slide  and press the controller.
- ▶ To select **De-authorise**: press the controller.
A prompt appears, asking whether you really wish to de-authorise this device.
- ▶ To select **Yes** or **No**: turn and press the controller.
If you select **Yes**, the device will be deleted from the Bluetooth® device list.
If you select **No** the process is cancelled.

- i** Before re-authorising the Bluetooth® audio device, you should also delete the device name **MB Bluetooth** from your Bluetooth® audio device's Bluetooth® list (see the Bluetooth® audio device's operating instructions).

Switching to Bluetooth® audio mode

Basic display



- ① Audio transmission status (depending on the Bluetooth® audio device, also title name and artist)
- ② Data carrier position in the media list
- ③ Sound settings
- ④ Device list
- ⑤ To stop or start playback
- ⑥ Name of the connected Bluetooth® audio device (example)
- ⑦ Options menu

Some mobile phones only support two Bluetooth® profiles at the same time (e.g. Hands-Free Profile for Bluetooth® telephony and Bluetooth® audio profile for audio streaming). If you activate Bluetooth® audio mode and there is already an active Internet connection, this can cause the connection to be terminated.

Switching to Bluetooth® Audio

- ▶ Press the button.
- ▶ To select **Bluetooth audio** in the menu: turn and press the controller. Audio 20 activates the Bluetooth® audio device. The basic display then appears. Playback starts.

- i** If the Bluetooth® audio device connected supports metadata and if the corresponding data is available, then the artist, track and album name can be displayed.

Starting/stopping playback

- ▶ To select **Start playback** : turn and press the controller. Playback starts. is selected.
- ▶ **To stop playback:** select . A message appears. is selected.
- ▶ **To continue playback:** select . A message appears. is selected.

Starting playback if the Bluetooth® audio device has been stopped

During the search for mobile phones, the connection with the Bluetooth® audio device is terminated. In the Bluetooth® audio basic display, you will see the **No Bluetooth audio device connected** message and the **Connect last used player** menu item cannot be selected. When the search is finished, the Bluetooth® audio device can be reconnected.

Operation with Bluetooth® audio



- ▶ To select **Start playback** : slide  ↓ and press the controller. Playback resumes from the beginning.



- ▶ To select **Connect last used player**: press the controller. Depending on the Bluetooth® audio device used, playback starts immediately or you need to start playback manually. In this case, you will see the **Bluetooth audio device paused** message.

- i** If there is an Internet connection and the mobile phone that is connected only supports two Bluetooth® profiles at the same time, the Internet connection is interrupted.
- i** The connection to the Bluetooth® audio device can also be interrupted if:
 - the connected mobile phone only supports 2 Bluetooth® profiles at the same time.
 - you connect to the Internet using Audio 20.

Selecting a track

The function is not supported by all Bluetooth® audio devices.

Some mobile phones impair function with regard to the following criteria:

- the number of tracks that can be selected
- the time period until the next or previous track is played

- ▶ Switch the multifunction steering wheel to the media menu (see the vehicle Owner's Manual).

- ▶ **To skip forwards or backwards to a track:** briefly press the  or  button on the multifunction steering wheel.

- ▶ **Rapid scroll:** press and hold the  or  button on the multifunction steering wheel until the desired track is reached. If you press and hold the  or  buttons, the rapid scrolling speed increases after a short time.

- i** In rapid scroll, track names are not shown, but instead only Track 1, Track 2 etc. The playback times for the tracks played are not displayed. This is available as an optional function starting with AVRCP Version 1.3. There is also no music search option available with Bluetooth® Audio.

Selecting playback options

If the Bluetooth® audio device supports the corresponding function, the following options are available:

- **Normal track sequence:** the tracks are played in the normal order (e.g. track 1, 2, 3 etc.). Audio data playback is determined by the order in which the tracks are written to the data carrier. 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 track list:** the current track list is played in random order (e.g. 3, 8, 5 etc.).
- **Random medium:** all tracks on the data carrier are played in random order (e.g. track 3, 8, 5 etc.).

Playback options are optional functions and are not, or only partially, supported by Bluetooth® audio devices.

Selecting playback options

- ▶ To select **Options**: turn and press the controller.
- ▶ Select **Play mode**.
A ● dot indicates the current setting.
- ▶ Select the desired option.
If you select **Random track list**, you will see a corresponding message in the display/selection window.

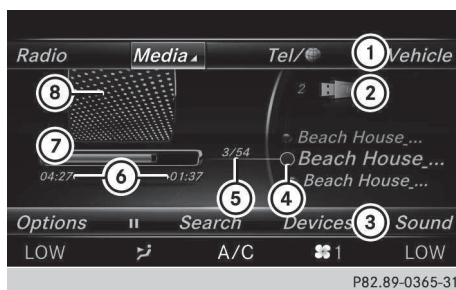
Increasing the Audio 20 volume

- ▶ To select **Options**: slide ☉ ↓ and press the controller.
- ▶ To select **Volume**: turn and press the controller.
A menu appears. The ● dot indicates the current setting.
- ▶ Select **Standard** or **Boost**.
Information on sound settings.

Prerequisite

Media Interface is a universal interface for the connection of mobile audio devices. Media Interface in Audio 20 has two USB connections.

Media Interface basic display



- ① Main function bar
- ② Display for the active data medium
- ③ Media menu bar
- ④ Title display in the media list
- ⑤ Current track/number in track list
- ⑥ Numerical time display
- ⑦ Graphic time display
- ⑧ Additional display area with cover view