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General information
The Infotainment system provides you with state-of-the-art in-car infotainment.
Using the FM, AM or DAB radio functions, you can register a great number of stations on various favourites pages.
You can even register music tracks, telephone numbers, destination addresses or tone settings on the favourites pages.
The CD player will entertain you with audio CDs and MP3/WMA CDs.
You can connect external data storage devices to the Infotainment system as further audio sources; either via a cable or via Bluetooth®.
The navigation system with dynamic route planning will reliably guide you to your destination, and, if desired, automatically avoid traffic jams or other traffic problems.
In addition, the Infotainment system is equipped with a Phone portal that allows comfortable and safe use of your mobile phone in the vehicle.

Using the phone projection function, you can operate specific applications on your smartphone via the Infotainment system.
Via the shop application, you may download additional apps to the Infotainment system.
Optionally, the Infotainment system can be operated using controls on the steering wheel or via the speech recognition system.
The well-thought-out design of the control elements, the touch screen and the clear displays enable you to control the system easily and intuitively.

Note
This manual describes all options and features available for the various Infotainment systems. Certain descriptions, including those for display and menu functions, may not apply to your vehicle due to model variant, country specifications, special equipment or accessories.
Important information on operation and traffic safety

⚠️ Warning

Drive safely at all times when using the Infotainment system. If in doubt, stop the vehicle before operating the Infotainment system.

⚠️ Warning

The usage of the navigation system does not release the driver from the responsibility for a correct, vigilant attitude in road traffic. The related traffic regulations must always be followed.

Only make entries (e.g. addresses) with the vehicle stationary.

If a navigation instruction contradicts traffic regulations, the traffic regulations always apply.

⚠️ Warning

In some areas one-way streets and other roads and entrances (e.g. pedestrian zones) that you are not allowed to turn into are not marked on the map. In such areas the Infotainment system may issue a warning that must be accepted. Here you must pay particular attention to one-way streets, roads and entrances that you are not allowed to drive into.

Radio reception

Radio reception may be disrupted by static, noise, distortion or loss of reception due to:

- changes in distance from the transmitter
- multi-path reception due to reflection
- shadowing

Theft-deterrent feature

The Infotainment system is equipped with an electronic security system for the purpose of theft deterrence. The Infotainment system therefore functions only in your vehicle and is worthless to a thief.
Introduction

Control elements overview

Centre display with controls
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   or switch between calls when calls are waiting ......................................................... 65
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   or activate/deactivate speech recognition ...................................................................... 4

2. Press: select audio source .... 12
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   or select next/previous track/chapter/picture when external devices active ................. 41
   or select next/previous entry in call list when phone portal active and call list open ..... 73
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3. Press: increase volume
   - Long press: activate speech recognition
   + Long press: deactivate speech recognition

4. Press: reduce volume
   or activate/deactivate mute function

5. Press: end/decline call .......... 73
   or deactivate speech recognition
   or activate/deactivate mute function

6. Press: open OnStar menu if no phone connected or take phone call .................. 70
   or dial last number in call list when phone menu displayed ........................................ 73
   or switch between calls when calls are waiting ......................................................... 65
   or deactivate speech recognition .................................................................................. 66
   or activate/deactivate mute function

7. Short press: open OnStar menu if no phone connected or take phone call .................. 70
   or dial last number in call list when phone menu displayed ........................................ 73
   or switch between calls when calls are waiting ......................................................... 65
   or deactivate speech recognition .................................................................................. 66
   or activate/deactivate mute function
In the Driver Information Centre, infotainment related information and menus are shown. The menus on the Driver Information Centre are operated via the buttons on the right-hand side of the steering wheel (see below).

1. Press: display menu for application selection; return to next higher menu level on the Driver Information Centre
2. Short press: select menu item on the Driver Information Centre
   Long press: fast-scroll through a long contacts list on the Driver Information Centre
3. Press: confirm selection on the Driver Information Centre
4. Press: display application-specific main menu on the Driver Information Centre
5. Press upwards: increase volume
   Press downwards: decrease volume
6. Radio: press to select next/previous favourite on the Driver Information Centre
   Media: press to select next/previous track on the Driver Information Centre
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Short press: take phone call . 73
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Press: end/decline call .......... 73

or deactivate speech recognition .................. 65
or activate/deactivate mute function .............. 12

For a description of all other controls, see Owner's Manual.

Usage

Switching Infotainment system on/off
Press briefly. After switching on, the last selected Infotainment source becomes active.

Automatic switch-off
If the Infotainment system is switched on by pressing while the ignition is switched off, it switches off again automatically after 10 minutes.

Setting the volume
Turn .
The current setting is shown on the display.
When the Infotainment system is switched on, the last selected volume is set, provided that the volume is lower than the maximum start-up volume 27.
Auto volume
When Auto volume is activated 27, the volume is adapted automatically to compensate for the road and wind noise while driving.

Mute
Briefly press ☯ to mute the audio sources.
To cancel mute again: turn ☯ or press it briefly.

Modes of operation

Radio
Repeatedly press RADIO to activate the radio mode or to change between the different wavebands.
For a detailed description of the radio functions 32.

CD player
Repeatedly press MEDIA to activate the CD player.
For a detailed description of the CD player functions 37.

External devices
Repeatedly press MEDIA to activate the playback mode for a connected external device.
For a detailed description on connecting and operating external devices 40.

Navigation
Press HOME to display the home screen.
Select NAV to display the navigation map showing the area around the current location.
For a detailed description of the navigation functions 46.

Phone
Before the phone portal can be used, a connection has to be established between the Infotainment system and the mobile phone.
For a detailed description of preparing and establishing a Bluetooth connection between the Infotainment system and a mobile phone 70.

If the mobile phone is connected, press HOME and then select PHONE to display the main menu of the phone portal.
For a detailed description of mobile phone operation via the Infotainment system 73.

Phone projection
To show specific apps of your smartphone on the Infotainment system, connect your smartphone.
Press HOME and then select PROJECTION to start the projection function.
Depending on the smartphone connected, a main menu with different selectable apps is displayed.
For a detailed description 43.

App shop
To download additional apps to the Infotainment system, select SHOP.
For a detailed description 43.

OnStar
To display a menu with the OnStar Wi-Fi settings, select OnStar.
Introduction

For a detailed description, see Owner's Manual.
Basic operation

The centre display has a touch-sensitive surface that allows direct interaction with the screen.

-caret screen button
To return to the next higher menu level, select \( \swarrow \).

Exit screen button
To leave the menu currently active, select Exit.

Selecting or activating a screen button or menu item

Touch a screen button or menu item. The corresponding system function is activated, a message is shown, or a submenu with further options is displayed.

Note
In subsequent chapters, the operating steps for selecting and activating a screen button or menu item via the touch screen will be described as "...select <button name>/<item name>".

Moving items
Basic operation

Touch and hold the element you wish to move until frame marks appear around the icons. Move your finger to the desired location and release the element.

**Note**
Constant pressure must be applied and the finger must be moved at a constant speed.

All other items are rearranged.

Press **HOME** on the control panel to exit edit mode.

**Note**
In subsequent chapters, the operating steps for moving a screen element via the touch screen will be described as "...drag the...icon to..." or "...drag the...menu item to...".

---

**Scrolling lists**

If there are more items available than presentable on the screen, the list must be scrolled.

To scroll through a list of menu items, you may:

- Place your finger anywhere on the screen and move it upwards or downwards.

**Note**
Constant pressure must be applied and the finger must be moved at a constant speed.

- Touch ▼ or ▲ at the top or bottom of the scroll bar.

- Move the slider of the scroll bar up and down with your finger.

- In alphabetically ordered lists, touch the respective letter in the vertical keyboard. The list jumps to the corresponding location within the list.

To return to the top of the list, touch the list title.

**Note**
In subsequent chapters, the operating steps for scrolling to a list item via the touch screen will be described as "...scroll to <item name>".
Menu operation

Home screen

The home screen is shown on the centre display.
All applications installed may be accessed from the home screen.
To personalise the home screen, drag the icon you wish to move to its new position. Release the icon to drop it in the respective location.
Press HOME on the control panel to exit edit mode.

Note
If there is a second home page available, the icons can be placed on both pages. Drag the icon to the right edge of the display to scroll to the next page.

Application tray

The application tray is located in the top centre of the screen and is accessible from all main menus.
Three to five application icons may be stored in the application tray.
Some application icons dynamically adapt to the current situation, e.g. indicating that you missed a phone call.

The application tray can be personalised by moving items into and out of the application tray area.

Interaction selector bar

The interaction selector bar is located at the bottom of the screen and is accessible from all main menus.
Using the interaction selector bar, you may change the different views within one application or perform application-specific actions, e.g. start a speech recognition session.
To display the interaction selector bar when it is not shown on the display, select ▲ at the bottom of the screen.
Basic operation

Messages
In the case of a system event, before the execution of a system function, or due to an outside trigger, e.g. incoming phone call, you may be prompted with a message. Select one of the available options.
If ignored, most of the messages are dismissed automatically after a certain period of time. Alerts that are not dismissed automatically remain on the screen until they are acknowledged or the trigger becomes invalid.

Keyboards
Keyboard
Letter keyboard:

Symbol keyboard:

Depending on the application or function currently active, the keyboard menu is displayed differently.
To switch to the symbol keyboard, select Sym.
To switch to the letter keyboard, select ABC.

Entering characters
To enter a character, touch the respective screen button. The character is entered upon release.
Touch and hold a letter screen button to display associated letters in a letter pop-up menu. Release and then select the desired letter.
To confirm your input, select the respective confirmation screen button.

**Autocomplete function**
If a character sequence has been entered once, it is stored within the system and may be recalled by the autocomplete function.

As soon as one character (letter or digit) is entered, the autocomplete function becomes active. Every additional character entered is considered in the matching process, reducing the list of autocomplete matches.

Select ✅ next to the characters entered to display a list of all autocomplete matches.

**Note**
Above the ✅ screen button, the number of available options is displayed. It changes according to the number of matches found.

Select the respective list item. The keyboard is redisplayed with the respective list entry shown in the entry field.

**Editing text**
To place the cursor, touch the respective position within the text. Enter your changes.

Depending on the application, select × to delete one entered character. Touch and hold × to delete all characters.

Select the respective confirmation screen button to confirm an input.

**Mixed case characters**
In most cases, only capital letters may be entered.

If mixed case character recognition is available, an additional Shift screen button is displayed.

To activate the shift function and capitalise one letter, select Shift.

The function is automatically deactivated after one letter has been entered.

**Keypad**
If only a number or PIN code have to be entered, a keypad is displayed. Depending on the application or function currently active, the keypad menu is displayed differently.

For a detailed description of how to enter characters and change entered text, see above.

**Favourites**
A range of different information may be stored as favourites, e.g.:
- radio stations
- music tracks
Basic operation

- albums or artists
- telephone numbers
- destinations and routes
- POIs
- contact entries
- tone settings
- home screen applications

60 individual favourite locations are available, displayed as five favourites per row.

They can be displayed in a one-row view or in a three-row view.

If a favourite location is occupied, the favourite screen button displays the label text of the respective favourite.
If a favourite location is empty, the position number of the favourite location (1 to 60) is indicated.

Displaying favourites
The favourites list is accessible from all menus.

To display one row of favourites when no interaction selector bar is shown at the bottom of the screen:
Select ▲.

To display one row of favourites when an interaction selector bar is shown on the screen:
Place your finger on the interaction selector bar and move it upwards until one row of favourites becomes visible.

Note
Constant pressure must be applied and the finger must be moved at constant speed.

To display three rows of favourites, drag the favourites list up further.
Scrolling through favourites pages

The favourites page is visible in the one row or the three row view. To scroll through the favourites pages, place your finger anywhere on the favourites page and move it left or right.

The next or previous page of favourites is displayed.

Note
Constant pressure must be applied and the finger must be moved at constant speed.

When reaching the beginning or the end of the favourites pages, the whole list is wrapped.

Note
At the bottom of the screen, indication marks designate how many favourites pages may be accessed and which page is currently displayed. The number of indication marks adapts to the view chosen (more pages in one-row view, less pages in three-row view).

Storing favourites

Favourites may be stored from the home screen, the audio application, the navigation application or the phone application.

Reveal the favourites list and scroll to the respective favourites page.

Touch and hold the respective favourite screen button.

If there is only one storable item on the screen, a beeping sound is given out and the item is stored to the respective screen button.

If there is more than one storable item on the screen, the favourites page is minimised and the previously shown menu is redisplayed. Select the item you wish to store as a favourite. A beeping sound is given out and the item is stored to the respective screen button.

A few examples for storing favourites are given below.

Example: Radio station
Repeatedly press RADIO to activate the radio function and the desired waveband.

Seek for the station you wish to store as a favourite 32.

To store this station as a favourite, reveal the favourites list and scroll to the respective favourites page.

Touch and hold the respective favourite screen button until a beep sounds. The station is stored as a favourite.

Example: Album
Repeatedly press MEDIA and select the desired audio source.

Select BROWSE to activate the browse menu and then select ALBUMS 41.

To store one of the albums as a favourite, reveal the favourites list and scroll to the respective favourites page.

Touch and hold the respective favourite screen button. The favourites page is minimised and the list of albums is redisplayed.

Select the album you wish to store as a favourite. The selected album is stored as a favourite.
Example: Destination
Press HOME to display the home screen and then select NAV.
Select DESTINATION, select RECENT in the interaction selector bar and then touch the desired destination from the list 53.

To store the address as a favourite, reveal the favourites list and scroll to the respective favourites page.
Touch and hold the respective favourite screen button. The selected address is stored as a favourite.

Example: Telephone number
Press HOME to display the home screen and then select PHONE.
Select KEYPAD and enter the number you wish to call 73.
To store this number as a favourite, reveal the favourites list and scroll to the respective favourites page.
Touch and hold the respective favourite screen button. The number is stored as a favourite.

Retrieving favourites
Display a favourites page (see above) and scroll to the desired favourites page (if necessary).

Note
Unavailable favourites are greyed out.
Select the respective favourite screen button. Depending on the kind of favourite selected, a radio station or track is played, a phone call is initiated, a route is calculated or an application is started.

Note
The active favourite is highlighted.
Using the right-hand steering wheel remote control
Repeatedly press or to select the desired audio favourite.
Alternatively, press to display the cluster menu for application selection. Select Audio and then Favourites.
Select the desired favourite.

Editing favourites
Select SETTINGS on the home screen, Radio and then Manage Favourites. A three-row view of the favourites list is displayed with the editing options shown in the interaction selector bar.

Renaming favourites
Scroll to the respective favourites page.
Select the favourite you wish to edit. Select RENAME.
A keyboard opens up with the current favourite label text displayed in the entry field as well as in the label preview area.

Enter the new label text and select Save. You are returned to the favourites page.

Select at the bottom of the screen to reveal the interaction selector bar and then select DONE to return to the settings menu.

Deleting favourites
Scroll to the respective favourites page.

Select the favourite you wish to delete.

Select DELETE. The favourite and all associated data are deleted.

Select DONE to return to the settings menu.

Moving favourites
Scroll to the respective favourites page.

Drag the favourite you wish to move to its new position.

To store a favourite in a location beyond the favourites page currently visible, drag it to the < or > symbols on top of the favourites page. The list starts scrolling. To stop scrolling, navigate back to the favourites page area.

Select DONE to confirm the action and return to the settings menu.

Defining the number of favourites shown
Press HOME and then select SETTINGS. Select Radio and then Number of Favourites Shown.

Activate the desired number of favourites to be displayed.

Note
If the number of favourites stored exceeds the number of favourites activated in the settings menu, the additionally stored favourites are not deleted but just hidden from the view. They may be reactivated by increasing the number of viewable favourites.

Contacts
Two different types of contacts lists may be accessed from the Infotainment system:

- contacts lists downloaded from Bluetooth devices or other external sources
- vehicle contacts list

Note
A maximum of 1000 contacts may be stored in the vehicle contacts list. There is no limit for downloaded contacts lists.
Basic operation

The contacts list displayed upon first access differs depending on the application active and the devices connected.

Changing the source

To display a contacts list, press HOME, activate the phone or navigation application and then select CONTACTS in the interaction selector bar.

Select Change Contacts List on the right side of the screen. A list of all contact sources available is displayed. The currently active contacts list is marked with ✔.

Select the desired contacts list. The respective list is displayed.

Note

The system remembers a list chosen within an application. When re-entering the contacts list from this application, the list previously selected is redisplayed.

Using the contacts list

To display a contacts list, press HOME, activate the phone or navigation application and then select CONTACTS in the interaction selector bar.

Navigation application:

To display the contact details view, select one of the entries from the list. The contact details view may comprise:

- first name and last name
- several phone numbers
- several email addresses
- several addresses (e.g. home and work)
- in the vehicle contacts list: category entry
Basic operation

- in the vehicle contacts list: notes field
- for POI entries: information on business hours, menu (e.g. restaurant), prices etc.

**Note**
The data is ordered depending on the application active, e.g. in the phone application, the phone numbers are displayed first.

Select the desired entry.

**Adding new contacts**
To add information from the application menus to the vehicle contacts list, open the respective application.

**Navigation application**: Select or enter a destination 353. The destination details view is displayed. Select **Save**. A menu is displayed.

**Phone application**: Select **RECENT**. Select + beside the phone number you wish to add to the contacts list. A menu is displayed.

Select one of the options.

**Create New Contact**
A data category selection menu is displayed.
Select the respective data category for the information you wish to store, e.g. work address or mobile phone. The contact details view is displayed.

**Note**
The data categories presented in the new menu correspond to the information you wish to store, e.g. if the information to be stored is an address, only address types are presented in the list.

Complete the entry and select **Save** to save the contact.

**Add to Existing Contact**
The vehicle contacts list is displayed. Select the desired contact. The contact details view is displayed with the information to be added shown separately on the right side of the screen.
Select the respective data category for the information you wish to store, e.g. work address or mobile phone.
If you choose an existing data category, the existing information is overwritten.
Select **Save** to save the new information.

**Editing contacts**
To edit a contact, open the vehicle contact list. Select the desired contact entry in the vehicle contacts list.
Select **Edit Contact** on the right side of the screen.
The editing view is displayed.

**Modifying information**
Select the field you wish to modify. Depending on the field selected, the keyboard or keypad is displayed.
Enter your changes.
Select **Save** in the contact details view to save your changes.

**Adding new information**
Select the field where you wish to enter additional information.
If you wish to create a new field for a data category already existing, e.g. a second mobile phone number, select + in the respective data field.

**Note**
The + screen button is only displayed if it is possible to add more information for that data category.
Depending on the field selected, the keyboard or keypad is displayed.
Enter the new data and select the screen button in front of the entry field.
Select **Save** in the contact details view to save your changes.

**Deleting contacts**

**Deleting a single contact**
To delete a single contact, open the vehicle contact list. Select the desired contact entry in the vehicle contacts list.
Select **Edit Contact** on the right side of the screen.
To delete the contact entry and all associated information, select **Delete**. A confirmation message is displayed.
Confirm the message. The entry is deleted.

**Delete the whole vehicle contacts list**
To delete the whole vehicle contacts list, open the vehicle contacts list.
Select **Change Contacts List** on the right side of the screen. A list of all available contacts sources is displayed. The currently active contacts list is marked with ✔.
Select the – screen button next to **Vehicle**. A confirmation message is displayed.
Confirm the message to delete the list.

**Sorting the contacts lists**
By default, the lists are ordered alphabetically by first name. If there is no first name available, the last name is taken instead. If there is no first or last name, one of the first characters entered is used as sorting criteria.
The sorting order may be changed, if first name and last name are stored in two different fields.
To change the sorting order, select **Sort**.
Choose the desired sorting order. The list is resorted accordingly.
Tone settings
In the tone settings menu, the tone characteristics can be set. The menu may be accessed from each audio main menu.

Note
A customised set of tone settings may be stored as a favourite. For a detailed description \( \Rightarrow \) 19.

To open the tone settings menu, select MENU in the respective audio main menu. Select Tone Settings.

Treble
Use this setting to enhance or attenuate the high frequencies of the audio sources.
Adjust the setting by repeatedly touching \(-\) or \(+\).
Alternatively, move the slider on the settings bar.

Midrange
Use this setting to enhance or attenuate the midrange frequencies of the audio source.
Adjust the setting by repeatedly touching \(-\) or \(+\).
Alternatively, move the slider on the settings bar.

Bass
Use this setting to enhance or attenuate the deep frequencies of the audio sources.
Adjust the setting by repeatedly touching \(-\) or \(+\).
Alternatively, move the slider on the settings bar.

Balance and fader
In the illustration at the right side of the menu, define the point within the passenger compartment which is to have the best sound.
To adjust the settings, touch \(\wedge, \vee, <\) and \(>\).
To quickly change between the front and rear speakers, select Front or Rear at the top and bottom of the vehicle diagram.

Equalizer modes
Select one of the screen buttons in the interaction selector bar to optimise the tone for the specific styles of music.
Select CUSTOM if you wish to define the tone settings yourself.

Volume settings
Maximum startup volume
Press HOME and then select SETTINGS on the home screen.
Basic operation

Scroll through the list and select **Radio** and then **Maximum Start-Up Volume**.
Touch – or + to set the desired volume.

**Automatic volume adjustment**

Press **HOME** and then select **SETTINGS**.
Scroll through the list and select **Radio** and then **Auto Volume**.
To adjust the degree of volume adaptation, set **Auto Volume** to one of the available options.
**Off**: no enhancement of volume with increasing vehicle speed.
**High**: maximum enhancement of volume with increasing vehicle speed.

**Volume of traffic announcements**

To adjust the volume of traffic announcements, set the desired volume while a traffic announcement is given out by the system. The respective setting is then stored by the system.

---

System settings

Various settings and adaptions for the Infotainment system can be made via the **SETTINGS** application.

**Time and Date**

Press **HOME** and then select **SETTINGS**.

Set time
Select **Set Time** to enter the respective submenu.

Select **Auto Set** at the bottom of the screen. Activate either **On - RDS** or **Off - Manual**.
If **Off - Manual** is selected, adjust hours and minutes by touching ↑ or ↓.
Touch **12-24 Hr** on the right side of the screen to select a time mode.
If 12-hour mode is selected, a third column for AM and PM setting is displayed. Select the desired option.

Set date
Select **Set Date** to enter the respective submenu.
Note
If date information is automatically provided, this menu item is not available.

Select Auto Set at the bottom of the screen. Activate either On - RDS or Off - Manual.
If Off - Manual is selected, adjust the date by touching ▼ or ▲.

Clock display
Select Clock Display to enter the respective submenu.
To turn off the digital clock display in the menus, select Off.

Language
Press HOME and then select SETTINGS.
Scroll through the list and select Language.
Note
The language currently active is marked with ✔.

Scroll through the list and select the desired language.

Valet mode
If valet mode is activated, all vehicle displays are locked and no changes may be performed within the system.

Note
Vehicle-related messages and the rear view camera remain enabled.

Locking the system
Press HOME and then select SETTINGS.
Scroll through the list and select Valet Mode. A keypad is displayed.

Enter a four-digit code and select Enter. The keypad is redisplayed.

To confirm the first input, re-enter the four-digit code and select Lock. The system is locked.

Unlocking the system
Turn the Infotainment system on. A keypad is displayed.

Enter the respective four-digit code and select Unlock. The system is unlocked.

Forgotten PIN Code
To reset the PIN code to the default setting, contact your workshop.
Basic operation

Display
Press HOME and then select SETTINGS.
Scroll through the list and select Display.

Mode
Select Mode to enter the respective submenu.
Depending on the external lighting conditions, select Day or Night.
If you select Auto, the system automatically adjusts the display.

Calibrate Touchscreen
Select Calibrate Touchscreen to enter the respective submenu.

Follow the instructions on the screen, touching the respective points indicated. The touch screen is calibrated.

Turn Display Off
Select Turn Display Off to turn off the display.
To turn the display back on, touch the touch screen or press a button on the control panel.

Return to Factory Settings
Press HOME and then select SETTINGS.
Scroll through the list and select Return to Factory Settings.

Restore Vehicle Settings
Select Restore Vehicle Settings to restore all vehicle personalisation settings. A warning message is displayed.
Select Restore. The settings are reset.

Clear All Private Data
Select Clear All Private Data to delete the following data:
- paired Bluetooth devices
- stored phone books
- vehicle contacts list
- destination lists
- favourites
A warning message is displayed.
Select Delete. The data is deleted.
Restore Radio Settings
Select Restore Radio Settings to reset the following data:
- tone settings
- volume settings
- speech settings
- application tray
- contacts sources
A warning message is displayed. Select Restore. The settings are reset.

Software Information
Press HOME and select SETTINGS. Scroll through the list and select Software Information.

A list of version numbers of all items loaded to the system is displayed.

System update
To update your system software, contact your workshop.
Radio

Usage .......................................... 32
Station search .............................. 32
Radio data system ....................... 33
Digital audio broadcasting ............ 35

Usage
The radio function is part of the AUDIO application.

Activating the radio function
Select AUDIO on the home screen and then select RADIO in the interaction selector bar.
Alternatively, press RADIO on the control panel.

Selecting the waveband
Repeatedly select or press RADIO to toggle between the different wavebands.

Station search
Automatic station search
Press « or » to play the previous or next station.

Manual station search
Press and hold « or ». Release the respective button when the desired frequency has almost been reached.

Station tuning
Select TUNE in the interaction selector bar. A keypad is displayed.
Touch the **Direct Tune** field and then enter the desired frequency. Confirm your input.

**Station lists**

In the station lists, all receivable radio stations within the current reception area are available for selection.

To display the station list of the waveband currently active, you may optionally:
- Touch the screen.
- Select **BROWSE** in the interaction selector bar.
- Turn **MENU**.

The station list is displayed.

**Note**
The currently received station is highlighted.

Scroll through the list and select the desired list item.

**Category lists**

Numerous RDS 33 and DAB 35 stations broadcast a PTY code, which specifies the type of programme transmitted (e.g. news).

Some stations also change the PTY code depending on the content which is currently transmitted.

The Infotainment system stores these stations, sorted by programme type in the corresponding category list.

**Note**
The **Categories** list item is only available for the FM and the DAB wavebands.

Select **MENU** in the interaction selector bar to display the respective waveband menu and select **Categories**.

A list of programme type categories currently available is displayed.

Select the desired category. A list of stations is displayed transmitting a programme of the selected type.

Select the desired station.

**Updating the station list**

If the stations stored in a waveband-specific station list can no longer be received, select **Update Station List**.

**Note**
If a waveband-specific station list is updated, the corresponding category list is also updated.

**Updating Station List** is displayed on the screen until the search has been completed.

**Radio data system**

Radio data system (RDS) is a service of FM stations that considerably improves the finding of the desired station and its fault-free reception.
Advantages of RDS

- On the display, the programme name of the station appears instead of its frequency.
- During a station search, the Infotainment system tunes in to RDS stations only.
- The Infotainment system always tunes into the best receivable broadcasting frequency of the set station by means of AF (alternative frequency).
- Depending on the station received, the Infotainment system displays radio text that can contain e.g. information on the current programme.

RDS settings

To configure the RDS settings options, activate the radio function and then select the FM waveband. Select MENU in the interaction selector bar to display the FM menu.

RDS
Set RDS - On or RDS - Off.

Traffic Programme (TP)
Radio traffic service stations are RDS stations that broadcast traffic news. If the traffic service is switched on, the function currently active is interrupted for the duration of the traffic announcement.

If the radio traffic service is activated, [TP] is shown in the top line of all main menus. If the current station or media played is not a radio traffic service station, [ ] is displayed and a search is started automatically for the next radio traffic service station available.

As soon as a radio traffic service station is found, [TP] is highlighted. If no radio traffic service station is found, [ ] remains on the screen.

If a traffic announcement is broadcast on the respective radio traffic service station, a message is displayed. To interrupt the announcement and return to the function previously activated, dismiss the alert.

Set Traffic Programme (TP) - On or Traffic Programme (TP) - Off.

Region
Sometimes RDS stations broadcast regionally different programmes on different frequencies.

If regionalisation is switched on, alternative frequencies with the same regional programmes are selected if necessary. If regionalisation is switched off, alternative frequencies of the stations are selected without regard to regional programmes.

Set Region - On or Region - Off.
Digital audio broadcasting
DAB broadcasts radio stations digitally.

Advantages of DAB

- DAB stations are indicated by the programme name instead of the broadcasting frequency.
- With DAB, several radio programmes (services) can be broadcast on a single ensemble.
- Besides high-quality digital audio services, DAB is also able to transmit programme-associated data and a multitude of other data services including travel and traffic information.
- As long as a given DAB receiver can pick up the signal sent out by a broadcasting station (even if the signal is very weak), sound reproduction is ensured.
- In the event of poor reception, the volume is reduced automatically to avoid the output of disagreeable noises.

If the DAB signal is too weak to be picked up by the receiver, reception is interrupted completely. This can be avoided by activating DAB to DAB Linking and/or DAB to FM Linking in the DAB menu (see below).

- Interference caused by stations that are on nearby frequencies (a phenomenon that is typical of AM and FM reception) does not occur with DAB.
- If the DAB signal is reflected by natural obstacles or buildings, the reception quality of DAB is improved, whereas AM or FM reception is considerably impaired in such cases.
- When DAB reception is enabled, the FM tuner of the Infotainment system remains active in the background and continually searches for the best receivable FM stations. If TP $33$ is activated, traffic announcements of the FM station with the best reception are issued. Deactivate TP if you do not wish DAB reception to be interrupted by FM traffic announcements.

DAB settings
To configure the DAB settings options, activate the radio function and then select the DAB waveband. Select MENU in the interaction selector bar to display the DAB menu.

DAB announcements
Besides their music programmes, many DAB stations also broadcast announcements of various categories. If you activate some or all categories, the DAB service currently received is interrupted when an announcement of these categories is made.
Select **DAB Announcements** to display the DAB categories list.
Select the desired categories. The categories selected are marked with ✓.

**Note**
DAB announcements can only be received if the DAB waveband is activated.

**DAB to DAB Linking**
If this function is activated, the device switches over to the same service (programme) on another DAB ensemble (if available) when the DAB signal is too weak to be picked up by the receiver.
Set **DAB to DAB Linking - On** or **DAB to DAB Linking - Off**.

**DAB to FM Linking**
If this function is activated, the device switches over to a corresponding FM station of the active DAB service (if available) when the DAB signal is too weak to be picked up by the receiver.
Set **DAB to FM Linking - On** or **DAB to FM Linking - Off**.

**L Band**
If **L Band** is activated, the Infotainment system receives an additional frequency range. The frequencies for L-band comprise earth and satellite radio (1452 - 1492 MHz).
Set **L Band - On** or **L Band - Off**.

**Intellitext**
The **Intellitext** function allows for the reception of additional information such as announcements, financial information, sports, news etc.
Select one of the categories and choose a specific item to display detailed information.
A CD player for the playback of audio CDs and MP3/WMA CDs is located in the glovebox.

<table>
<thead>
<tr>
<th>Caution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Under no circumstances place DVDs, single-CDs with a diameter of 8 cm or shaped CDs in the audio player. You must not put any stickers on CDs. These discs can get jammed in the CD drive and ruin the player. Replacement of the device will then be necessary.</td>
</tr>
</tbody>
</table>

Important information about audio CDs and MP3/WMA CDs

- The following CD formats can be used:
  - CD, CD-R and CD-RW
- The following file formats can be used:
  - ISO9660 Level 1, Level 2, Romeo, Joliet

MP3 and WMA files written in any format other than listed above may not play correctly, and their file names and folder names may not be displayed correctly.

- Audio CDs with copy protection, which are not in compliance with the audio CD standard, may not play correctly or not at all.
- Self-recorded CD-Rs and CD-RWs are more vulnerable to mishandling than prerecorded CDs. Correct handling, especially in the case of self-recorded CD-Rs and CD-RWs, must be ensured.
- Self-recorded CD-Rs and CD-RWs may not play correctly or not at all.
- On mixed mode CDs (combinations of audio and data, e.g. MP3), only the audio tracks will be detected and played.
- Avoid leaving fingerprints when you change CDs.
• Put CDs back in their sleeves immediately after removing them from the audio player in order to protect them from damage and dirt.

• Dirt and liquids on CDs can smear the lens of the audio player inside the device and cause faults.

• Protect CDs from heat and direct sunlight.

• The following restrictions apply for the data stored on an MP3/WMA CD:
  - Maximum file/song number: 800
  - Maximum folders in depth hierarchy: 8
  - WMA files with Digital Rights Management (DRM) from online music shops cannot be played.
  - WMA files can only be played safely if they were created with Windows Media Player version 9 or later.
  - Applicable playlist extensions: .m3u, .pls

  Playlist entries must be in the form of relative paths.

  **Note**
  This chapter only deals with playing MP3 files since the operation for MP3 and WMA files is identical. When a CD with WMA files is loaded MP3 related menus are displayed.

**Usage**

**Starting CD playback**

Push an audio or MP3 CD with the labelled side facing upwards into the CD slot until it is pulled in.

Repeatedly select MEDIA in the interaction selector bar or press MEDIA on the control panel to activate the CD function.

**Removing a CD**

Press ▲. The CD is pushed out of the CD slot.

If the CD is not removed after ejection, it will be drawn back in after a few seconds.

**Function buttons**

**Pausing CD playback**

Select ◼ to pause playback. The screen button changes to ►.

Select ► to resume playback.
Skipping to previous or next track
Select ‹‹ or ›› to play the previous or next track.
Alternatively, turn MENU to skip to previous or next tracks.

Fast forwarding or rewinding
Touch and hold ‹‹ or ›› to rewind or fast forward.
Alternatively, move the slider on the time bar.

Track list
To display the track list, you may optionally:
- Touch the screen.
- Select BROWSE in the interaction selector bar.
- Turn MENU.
The track list is displayed.

Note
The track currently playing is highlighted.
Scroll through the list and select the desired list item.

Note
For a detailed description of browsing MP3 CDs ◊ 41.

Playback order
Select MENU in the interaction selector bar to display the CD menu.
If Shuffle is set to On, all tracks on the active CD are played in random order.
Set Shuffle - On or Shuffle - Off.
External devices

General information
A USB port for the connection of external devices is located in the centre console behind the parking brake or underneath the armrest. Two USB ports for charging devices only are located at the rear of the centre console.

Note
The USB port must always be kept clean and dry.

USB port
An MP3 player, USB device or smartphone can be connected to the USB port.

The Infotainment system can play music files and movies contained in these devices.

When connected to the USB port, the devices mentioned above can be operated via the controls and menus of the Infotainment system.

Note
Not all auxiliary devices are supported by the Infotainment system. Check the compatibility list on our website.

Connecting/disconnecting a device
Connect the USB device to the USB port.

Note
If a non-readable USB device is connected, a corresponding error message appears and the Infotainment system automatically switches to the previous function.

To disconnect the USB device, select another function and then remove the USB storage device.

Caution
Avoid disconnecting the device during playback. This may damage the device or the Infotainment system.

Bluetooth
Devices which support the Bluetooth music profiles A2DP and AVRCP can be connected wirelessly to the Infotainment system. The Infotainment system can play music files contained in these devices.
Connecting/disconnecting a device
For a detailed description on the Bluetooth connection ◆ 71.

Bluetooth device management
To change the Bluetooth device connected, select MENU in the interaction selector bar.
Select Manage Bluetooth Devices to display the device list.
For a detailed description ◆ 71.

File formats
Only devices formatted in the FAT32, NTFS and HFS+ file systems are supported.

Note
Some files may not be played properly. This might be due to a different recording format or the condition of the file.
Files from online shops to which Digital Rights Management (DRM) has been applied cannot be played.
The Infotainment system can play the following audio and movie files stored on external devices.

Audio files
The playable audio file formats are MP3, WMA, AAC, M4A and AIF.
When playing a file with ID3 tag information, the Infotainment system can display information, e.g. on the track title and artist.

Movie files
The playable movie file formats are AVI, MPG, MP4, XVID and WMV.
Common audio and video combinations for mobile devices are generally supported.

Playing audio
Starting playback
If not connected, connect the device ◆ 40.
Repeatedly select MEDIA in the interaction selector bar or press MEDIA on the control panel to activate the desired media source.
Example: USB main menu.

Function buttons
Pausing playback
Select II to pause playback.
Select ► to resume playback.

Skipping to previous or next track
Select ◀ or ▶ to play the previous or next track.
Alternatively, turn MENU to skip to previous or next tracks.

Fast forwarding or rewinding
Touch and hold ◀ or ▶ to rewind or fast forward.
Alternatively, move the slider on the time bar (only available for USB).

**Browse function**

To display the browse screen, you may optionally:

- Touch the screen.
- Select BROWSE in the interaction selector bar.
- Turn MENU.

Browse through the categories until you find the desired track. Select the track to start playback.

**Playback order**

If Shuffle is activated, the tracks on the active device are played in random order.

**Note**

In USB playback, the shuffle function is dependent on the filter mode selected for song playback, e.g. album, artist, genre.

To display the respective audio menu, select MENU in the interaction selector bar.

Set Shuffle - On or Shuffle - Off.

**Playing movies**

**Starting video playback**

Connect the device 40.

Repeatedly select MEDIA in the interaction selector bar or press MEDIA to activate the desired media source.

Select BROWSE and then MORE. Select Videos and then the desired movie file. Video playback is started.

**Note**

Videos may only be played if the parking brake is applied.

**Function buttons**

**Pausing playback**

Select II to pause playback.

Select ► to resume playback.

**Skipping to previous or next file**

Select ◀ or ▶ to play the previous or next movie file.
Alternatively, turn MENU to skip to previous or next movie files.

**Fast forwarding or rewinding**
Touch and hold ◀ or ▶ to rewind or fast forward.
Alternatively, move the slider on the time bar.

**Video menu**
To display the video menu, select MENU in the interaction selector bar.

**Using smartphone applications**
The phone projection applications Apple CarPlay™ and Android™ Auto display selected apps from your smartphone on the Infotainment screen and allow their operation directly via the Infotainment controls. Check with the device’s manufacturer if this function is compatible with your smartphone and if this application is available in the country you are in.

**Preparing the smartphone**
Android phone: Download the Android Auto app to your smartphone from the Google Play™ Store.
iPhone®: Make sure Siri® is activated on your smartphone.

**Activating phone projection in the settings menu**
Press ☰ to display the home screen and then select Settings.
Scroll through the list and select Apple CarPlay or Android Auto to display a submenu.
Make sure the respective application is activated.
To display a list of all devices registered for this function, select Manage Devices.

**Connecting the mobile phone**
Connect the smartphone to the USB port ▷ 40.

**Starting phone projection**
To start the phone projection function, press ☰ and then select Projection.

**Note**
If the application is recognised by the Infotainment system, the application icon may change to Apple CarPlay or Android Auto.

To start the function, you can alternatively press and hold ☰ for a few seconds.

The phone projection screen displayed depends on your smartphone and software version.

**Returning to the Infotainment screen**
Press ☰.

**Using apps**
Via the SHOP application, external apps can be downloaded to the Infotainment system.

**User registration**
When first starting the SHOP application, a user registration is required.
Press HOME and then select SHOP.
Follow the instructions on the screen:
1. Start the registration process.
2. Enter your first and last name.
3. Choose your country.
4. Accept the terms of use and privacy notice.

**Note**
To read the terms of use and/or the privacy notice, display the text on the screen or send it to your email account.

When the registration process is completed, the app shop main page is displayed.

**Note**
The apps in the app shop can only be downloaded if the Infotainment system is connected to the internet.

**Internet connection**
An internet connection is required either via the in-vehicle OnStar Wi-Fi hotspot or an external device, e.g. smartphone.

Press HOME and then select SETTINGS. Select Wi-Fi to display the Wi-Fi menu.

Make sure that Wi-Fi is activated and then select **Manage Wi-Fi Networks**. Select **Add Other Network** to establish a new connection. Follow the instructions on the screen.

### Downloading an app

Before the external apps can be used on the Infotainment system, they have to be downloaded.

Press HOME and then select SHOP. Choose the browse tab to gain access to all apps available for download. Select the desired app to display its main page and then start the download process.

**Note**
Apps which have been downloaded to the Infotainment system are also accessible via the home screen.

### Starting an app

Press HOME, scroll the home screen pages, if required, and then select the downloaded app you want to start.

**Note**
Depending on the app downloaded, a registration might be required when first starting the app.

### Deleting an app

Press HOME and then select SHOP.
To gain access to all downloaded apps, choose the tab for apps already downloaded. Select the desired app to display its main page and then start the deletion process.

The application is deleted from the Infotainment system.
External devices

Settings

Internet connection
Press HOME and then select SHOP. Choose the settings tab to display the settings menu and then select the networks menu item.
Activate the desired network.

Info
To display information on the app shop, press HOME and then select SHOP. Choose the settings tab to display the settings menu and then select the info menu item.

Terms of use and privacy notice
To display the terms of use or the privacy notice, press HOME and then select SHOP. Choose the settings tab. Select the desired menu item.
If desired, you can send the texts to your email account.
Select E-Mail on the bottom of the screen. Enter your email address and confirm your input. The respective text is forwarded to your email account.

Reset user
To delete all registration data entered, press HOME and then select SHOP. Choose the settings tab to display the settings menu and then reset all user-specific settings.
Navigation

General information
The navigation system will reliably guide you to your destination.
The current traffic situation is taken into account in the route calculation.
For this purpose, the Infotainment system receives traffic announcements in the current reception area via RDS-TMC.
The navigation system cannot, however, take into account traffic incidents, traffic regulations changed at short notice and hazards or problems that arise suddenly (e.g. road works).

Functioning of the navigation system
The position and movement of the vehicle are detected by the navigation system using sensors. The travelled distance is determined by the vehicle’s speedometer signal, turning movements on bends by a gyro sensor. The position is determined by the GPS (Global Positioning System) satellites.
By comparing the sensor signals with the digital maps, it is possible to determine the position with an accuracy of approx. 10 metres.
The system will also work with poor GPS reception. However, the accuracy of the determination of the position will be reduced.

Caution
The usage of the navigation system does not release the driver from the responsibility for a correct, vigilant attitude in road traffic. The relevant traffic regulations must always be followed. If a navigation instruction contradicts traffic regulations, the traffic regulations always apply.

After the entry of the destination address or point of interest (nearest petrol station, hotel, etc.), the route is calculated from the current location to the destination selected.
Route guidance is provided by voice output and an arrow, as well as with the aid of a multi-colour map display.
Important information

TMC traffic information system and dynamic route guidance
The TMC traffic information system receives all current traffic information from TMC radio stations. This information is included in the calculation of the overall route. During this process, the route is planned so that traffic problems related to pre-selected criteria are avoided.

If there is a traffic problem during active route guidance, depending on the pre-settings, a message appears as to whether the route should be changed.

TMC traffic information is displayed in the map display as symbols or as detailed text on the TMC messages menu.

To be able to use TMC traffic information, the system must receive TMC stations in the relevant region.

The TMC traffic stations can be selected in the navigation menu 47.

Map data
All required map data is stored within the Infotainment system. To update your map software via the USB port, contact your workshop.

Usage
To display the navigation map, press HOME and then select the NAV icon.

Route guidance not active

The current location is indicated by a circle with an arrow pointing into the direction of travel.

After a timeout of approx. 15 seconds, the application tray and the interaction selector bar disappear to show a full screen view of the map.

To redisplay the application tray and the interaction selector bar, touch the screen.
Route guidance active

- The map view is displayed.
- The active route is indicated by a coloured line.
- The moving vehicle is marked by a circle.
- The next turning manoeuvre is indicated by an arrow symbol on the right side of the screen.
- Lane guidance is provided on the right side of the screen.

- The arrival time is shown above the arrow symbol.
- The distance to the next turning manoeuvre is shown below the arrow symbol.

Map manipulation

Scrolling
To scroll the map, place your finger anywhere on the screen and move it up, down, left or right depending on the direction in which you want to scroll.

The map moves accordingly displaying a new section.

To return to the current location, select RESET in the interaction selector bar.

Centring
Touch the desired location on the screen. The map centres around this location.

A red ○ is displayed at the respective location and the corresponding address is shown on a label.

To return to the current location, select RESET in the interaction selector bar.

Zooming
To zoom in on a selected map location, select ZOOM IN.

To zoom out and display a larger area around the selected location, select ZOOM OUT.

Overview button
During active route guidance, an OVERVIEW screen button is displayed in the interaction selector bar.
To display an overview of the route currently active on the map, select \textit{OVERVIEW}.

The screen button changes to \textit{RESET}.

To return to the normal view, select \textit{RESET}.

\textbf{Map display}

\textbf{View mode}

Select \textit{MENU} in the interaction selector bar and then select \textit{Map View} to display the respective submenu.

Select the desired map view (3D View, Heading Up View, North Up View).

\textbf{Note}

Alternatively, you may repeatedly select \textit{ } in the application tray to quickly toggle between the different map views (3D View, Heading Up View, North Up View).

\textbf{Audio information}

If Audio Information - On is set, information on the station, album or song currently playing is displayed on the map screen.

Select \textit{MENU} in the interaction selector bar and then select \textit{Map View} to display the respective submenu.

Set Audio Information - On or Audio Information - Off.

\textbf{Display mode}

Select \textit{MENU} in the interaction selector bar and then select \textit{Map View} to display the respective submenu.

Select Day / Night Mode.

Depending on the external lighting conditions, activate Day or Night.

If you wish the screen to adjust automatically, activate Auto.

\textbf{Display of buildings}

Select \textit{MENU} in the interaction selector bar and then select \textit{Map View} to display the respective submenu.

Buildings can be displayed in 3D or normal view.

Set 3D Buildings - On or 3D Buildings - Off.

\textbf{Autozoom function}

Select \textit{MENU} in the interaction selector bar and then select \textit{Map View} to display the respective submenu.

The system may zoom in on the map in case of special manoeuvres.

Set Autozoom - On or Autozoom - Off.

\textbf{POI icons}

Select \textit{MENU} in the interaction selector bar and then select Display "Points of Interest" Icons to display the respective submenu.

If POI Icons is activated, points of interest around the current location or along the route are displayed on the map.

Set POI Icons - On or POI Icons - Off.

If POI Icons is set to On, activate the POI categories you wish to be displayed.
Select **Clear All** to deselect all categories.

**Information on the current location**

Select **MENU** in the interaction selector bar to display the navigation menu.

Select **Current Location** to display the respective submenu indicating details on the nearest address, the coordinates, and Points of interest (53) around the current location.

**Nearest address**

From this submenu, you may store the nearest address to the system.

Select **Nearest Address**: to display the destination details view.

For a detailed description on how to save an address

- as or to a contact 23
- as a favourite 19

**Points of interest**

From this submenu, you may start route guidance to one of the nearest points of interest.

Select the desired point of interest. The destination details view is displayed.

Select **Go**.

For a detailed description on how to enter a destination 53.

**Navigation data management**

Select **MENU** in the interaction selector bar and then select **Personal Data**.

A list of different data storage locations of the navigation application is displayed.

**Contacts list**

Select **Contacts** to display the respective submenu.

To delete all entries in the contacts list, select **Delete All Entries**. Confirm the message displayed to delete the entire contacts list.

To display the contacts edit mode, select **Edit Contacts List**.

For a detailed description on editing the contacts list 23.
Recent destinations list
Select Recent Destinations to display the respective submenu.
To delete all entries in the recent destinations list, select Delete All Destinations. Confirm the message displayed to delete the entire recent destinations list.
To delete individual destinations, select Delete Individual Destinations. The recent destinations list is displayed. Select – next to the respective destination. Confirm the message displayed to delete the destination.

Downloaded POIs
Select My POIs to display the respective submenu.
POIs which were previously downloaded to the system may be deleted. The other POIs remain within the system.
To delete all entries in the contacts list, select Delete All My POIs. Confirm the message displayed to delete the entire POIs list.

To delete only individual categories, select Delete Individual Categories to display a list of POI categories. Select – next to the respective category. Confirm the message displayed to delete the category.

Uploading destination data to a USB device
For later use, e.g. in other vehicles, you can store the vehicle contacts list and POIs previously downloaded (see "Creating and downloading user defined POIs" below) on a USB device:
Select Upload Saved Locations.
The contacts list and POI data is stored on the connected USB device in the folders "F:\myContacts" or "F:\myPOIs", where "F:\" is the root folder of the USB device.

Note
This function may only be carried out if a USB device with sufficient storage space is connected.

Autocomplete function
To delete the list of destination entries used by the autocomplete function, select Delete Autocomplete.

Downloading contacts data
You can exchange your vehicle contacts list data with Infotainment systems in other vehicles:
To upload the data to a USB device, see "Uploading destination data to a USB device" above.
Connect the USB device to the Infotainment system of another vehicle.
A message is displayed that prompts you to confirm the download.
After confirmation, the contacts data is downloaded to the Infotainment system.
The downloaded contacts are then selectable via the CONTACTS menu.

Creating and downloading user defined POIs (My POIs)
In addition to the predefined POIs already stored in the Infotainment system, you can create user defined POIs that meet your personal requirements. After creation, such
user defined POIs can be downloaded to the Infotainment system.

For each POI, you need to define the GPS coordinates (longitude and latitude values) of the respective location and a descriptive name.

After downloading the POI data to the Infotainment system, you will find the respective POIs as selectable destinations in the My POIs menu, see "POIs entry" in chapter "Destination input" 53.

Creating a text file with POI data
Create a text file (e.g. by using a simple text editor software) with an arbitrary name and the file extension .poi, e.g. "TomsPOIs.poi".

Note
Character encoding UTF-8 (Unicode) must be selected when storing the text file. Otherwise the POI data may not be imported correctly to the system.

Enter the POI data into the text file in the following format:
Longitude coordinate, Latitude coordinate, "Name of POI", "Additional information", "Phone number"
Example:
7.0350000, 50.6318040, "Michaels Home", "Bonn, Hellweg 6", "02379234567", see illustration above.

The GPS coordinates must be expressed in decimal degrees and can be taken, e.g., from a topographical map.

The additional information and phone number strings are optional. If, e.g., no additional information is required, "" must be entered at the respective position.
Example:
7.0350000, 50.6318040, "Michaels Home", "", "02379234567".

The POI name and the additional information string may not exceed 60 characters each. The phone number string may not exceed 30 characters.

The POI data of each destination address must be entered in a single separate line, see illustration above.

Storing the POI data on a USB device
In the root directory of a USB device, create a folder named "myPOIs", e.g. "F:\myPOIs", where "F:" is the root directory of the USB device.

In the "myPOIs" folder, store the text file with your POIs, e.g. "F:\myPOIs\TomsPOIs.poi".
Organising the POI data in several subfolders
Optionally, you can organise the text files in several randomly named subfolders (max. depth of subfolder structure: 2).
Examples: F:\myPOIs\AnnsPOIs or F:\myPOIs\MyJourney\London, where F:\ is the root directory of the USB device.

Note
In a folder, only subfolders or only POI files may be stored. A mixture of both will not be imported correctly to the system.

After downloading individual POI data organised in that way to the Infotainment system (see download description further below), the My POIs menu will show a list of selectable submenus.

After selecting a submenu, further submenus or the related list of imported POI categories will be displayed.

Downloading the POI data to the Infotainment system
Connect the USB device with your user defined POI data to the USB port 3 40 of the Infotainment system.
A message is displayed that prompts you to confirm the download.
After confirmation, the POI data will be downloaded to the Infotainment system.
The downloaded POIs are then selectable as destinations via the My POIs menu, see "POIs entry" in chapter "Destination input" 3 53.

Destination input
The navigation application provides different options to set a destination for route guidance.
Press HOME and then select NAV to display the navigation map.
Select DESTINATION in the interaction selector bar and then select one of the different address entry options.

One-shot destination entry
Touch the entry field in the top line of the menu. A keyboard is displayed.
For a detailed description on the keyboards 3 18.
Enter an address or search term and confirm your input.
Two lists with possible destinations are created. To switch between the list tabs, touch Address or POI in the top line of the screen.
Address list:
For a detailed description on POIs, see "POIs entry" below.

Select one of the destinations. The destination details view is displayed.

To start route guidance, select Go.

**Address entry screen**

Select ADDRESS. The Address Entry screen is displayed.

Touch one of the entry fields next to the address part entries. A keyboard is displayed.

For a detailed description on the keyboards ⊳ 18.

Enter the required destination information.

**Note**

The screen does not need to be filled out completely.

To confirm your input, select ✔ in the top right corner of the screen.
If there is more than one destination possible according to the information entered, a list of all matching destinations found is displayed. Select the desired address. The destination details view is displayed. To start route guidance, select Go.

**Crossroad entry screen**

Select **CROSSROADS**. The Crossroads Entry screen is displayed.

Touch one of the entry fields next to the address part entries. A keyboard is displayed.

For a detailed description on the keyboards ◇ 18.

Enter the required destination information.

To confirm your input, select ✔ in the top right corner of the screen.

If there is more than one destination possible according to the information entered, a list of all matching destinations found is displayed. Select the desired address. The destination details view is displayed. To start route guidance, select Go.

**POIs entry**

A point of interest (POI) is a specific location that might be of general interest, e.g. a petrol station, a parking area or a restaurant.

The data stored within the navigation system contains a great number of predefined POIs, which are indicated on the map (if activated, ◇ 47).

You may also store individual POIs within the system, see "Creating and downloading user defined POIs (My POIs)" in chapter "Usage" ◇ 47.

Those POIs are selectable as destinations via the POI main category My POIs.

To select a POI as a destination for route guidance, select DESTINATION in the interaction selector bar and then select POIs. A list for search area selection is displayed.

**Setting a search location**

Select one of the options.

Note

The options POIs along Route and POIs near Destination are only available when route guidance is active.
If POIs at Another Location is selected, a keyboard is displayed. For a detailed description on the keyboards 18.
Enter the desired location and confirm your entry.
A list of POI categories is displayed.

**Searching POIs via categories**
Select one of the main categories in the list. A list with subcategories is displayed.
To display all POIs available in the respective main category, select List All. Scroll through the list and select the desired POI.
To display all POIs within one subcategory, select the respective subcategory. Scroll through the list and select the desired POI.
The destination details view is displayed.
For more information on the POI selected, touch Info in the top right corner of the screen.
To start route guidance, select Go.

**Searching POIs via name input**
To search for a particular POI, a category or a specific location, select Spell Name in the POI main categories list or in one of the subcategory lists. A keyboard is displayed.
For a detailed description on the keyboards 18.
Enter the desired name or category.
Select ☑ to confirm your input. The destination details view is displayed.
For more information on the POI selected, touch Info in the top right corner of the screen.
To start route guidance, select Go.

**Recent destinations list**
Select RECENT. A list of all recently entered destinations is displayed.

**Contacts list**
Select CONTACTS. The contacts list is displayed.
Quick function icon
If there is only one address stored for a contact, a quick route icon is displayed next to the respective entry in the contacts list.
Select to directly display the destination details view.
To start route guidance, select Go.

Contact details view
If there is more than one address stored for a contact, select the desired contacts entry. The contact details view is displayed.

Select one of the addresses stored for the contact. The destination details view is displayed.
To start route guidance, select Go.

Selecting an address from the map
Tap on the desired location on the map. The map centres around this location.
A red is displayed at the respective location and the corresponding address is shown on a label.

Waypoint trips
A waypoint is an intermediate destination that is considered in the calculation of a route to its final destination. To create a waypoint trip, you may add one or several waypoints.
Enter or select the final destination of your waypoint trip and start route guidance.

While under active route guidance, select DESTINATION in the interaction selector bar of the map view.
Alternatively, touch the arrow symbol indicating your next turning manoeuvre on the right side of the screen to display the route guidance menu. Select **DESTINATION** in the interaction selector bar of the route guidance menu.

Enter or select a new address.

Select **Go**. You are prompted with a message.

Select **Add as Waypoint**. The route is recalculated and the new destination is added as a waypoint to the current route.

If desired, enter further waypoints as described above.

To save the entire route with waypoints, select **Save**.

The waypoint trip is saved in the contacts list in the **Saved Trips** folder and designated according to its final destination.

The saved waypoint trip can be recalled via the contacts list.

For a detailed description on how to edit a waypoint trip ⊗ 59.
**New destination**

To set a new destination, you may cancel route guidance to the current destination and then enter a new destination. Or you may directly enter a new destination.

While under active route guidance, select **DESTINATION** in the interaction selector bar of the map view.

Alternatively, touch the arrow symbol indicating your next turning manoeuvre on the right side of the screen to display the route guidance menu. Select **DESTINATION** in the interaction selector bar of the route guidance menu.

Enter or select a new address.

Select **Go**. You are prompted with a message.

Select **Set New Destination**. The route is recalculated and the new destination is set.

**Calling a destination**

After entering a destination and before starting route guidance, the destination details view is displayed.

To initiate a phone call to the selected location, select **Call**.

**Note**

The **Call** screen button is only available if a phone number is stored for the respective location.

**Storing destinations**

**Contacts entry**

After entering a destination and before starting route guidance, the destination details view is displayed.

To save the respective destination in the contacts list, select **Save**. For a detailed description on how to save an address in the contacts list, see 23.

**Note**

The **Save** screen button is only available if the address has not yet been stored in the system.

**Favourite**

Favourites may be stored from almost all screen views.

For a detailed description on how to store destination favourites, see 19.

**Guidance**

Route guidance is provided by the navigation system through visual instructions and voice prompts (voice guidance).

**Visual instructions**

Visual instructions are provided on the displays.

**Navigation voice prompts**

Navigation voice prompts announce which direction to follow, when approaching an intersection at which you need to turn.

To activate the voice prompts function and set the volume, see "Navigation voice settings" below.
Starting and cancelling route guidance

Starting route guidance
To start route guidance to a new destination chosen, select Go in the destination details view.
To directly start route guidance to the last destination chosen, select MENU in the interaction selector bar and then select Resume to.
Route guidance to the last destination selected is restarted.

Cancelling route guidance
To cancel route guidance, you may optionally:
- Touch × on the navigation map screen.
- Select MENU in the interaction selector bar and then select Cancel Route.
- Touch the arrow symbol indicating your next turning manoeuvre on the right side of the screen to display the route guidance menu.

Navigation voice settings

Mute
To temporarily mute the output of navigation voice prompts, select ‹ on the left side of the map screen. The icon changes to ‡.
To unmute the system, select ‡ again.

Voice prompts
Select MENU in the interaction selector bar and then select Navigation Voice Preferences to display the respective submenu.
If Voice Prompts - On is set, navigation voice prompts are read out by the system during active route guidance.
Set Voice Prompts - On or Voice Prompts - Off.
If set to Off, no navigation voice prompts are provided by the system.

Voice prompts during phone calls
Select MENU in the interaction selector bar and then select Navigation Voice Preferences to display the respective submenu.
Select Prompts During Phone Calls.
If On is selected, navigation voice prompts are also read out during phone calls.
If Off is selected, no voice prompts are given out. If Beeps is selected, a beep sounds instead of the announcement.

Volume
To adjust the volume of the voice prompts, select – or +.

Information on traffic incidents

Traffic list
To display a list of traffic incidents close to the current location of the vehicle, press HOME and then select TRAFFIC.
Alternatively, select **MENU** in the interaction selector bar and then select **Traffic** to display the respective submenu. Select **Show Nearby Traffic Incidents**.

If route guidance is not active, the list is displayed as follows:

By default, the list is sorted by distance from the vehicle location. To sort the list alphabetically, select **Sort** in the top line of the screen.

Touch one of the list elements to display detailed information on the respective traffic incident.

**Note**

If the traffic list has been entered via the **TRAFFIC** screen button on the home screen, touch ☐ in the top left corner of the screen to enter the menu for traffic settings.

**Traffic icons on the map**

If **Show Icons on Map - On** is set, traffic incident icons around the current location and along the route are displayed on the map.

Set **Show Icons on Map - On** or **Show Icons on Map - Off**.

**Traffic routing**

This submenu contains settings of how the system may deal with traffic incidents before and during route guidance.

Select **Traffic Routing Preferences** to display the respective submenu.

If you wish slow traffic to be generally avoided, set **Avoid Slow Traffic** to **On**.

Select **Automatically Avoid Traffic** or **Ask Me before Avoiding**.

**Types of traffic incidents**

Select **Traffic Types** to display the respective submenu.

Select the types of traffic incidents to be avoided.

**TMC stations**

The TMC radio stations supply information on the current traffic situation considered in the calculation of the route.

**Note**

Depending on the country you are in, the TMC service is enhanced by a PayTMC functionality integrated in the Infotainment system.

Select **TMC Station** to display the respective submenu.

The default setting is **Auto** consulting different TMC stations.

If you wish a specific TMC station to be observed, select the respective station from the list.
If this station is no longer received, the system switches back to the Auto function.

**Route settings**
Select **MENU** in the interaction selector bar and then select **Routing Preferences** to display the respective submenu.

**Route style**
To define by what criteria a route may be calculated, select **Route Style**.
Select **Fast**, **Eco Friendly** or **Short** from the list.
If **Eco Friendly** has been selected, the eco-friendly route style may be adapted to the load of the vehicle.
Select **Edit Eco Profile** to display the respective submenu.
Repeatedly select **Roof Load** and **Trailer** to toggle between the available load options. Set the options as needed.

**Road selection**
Select from the list which road types may be included in the calculation of the route.

---

**Route modification**
To modify the route during active route guidance, touch the arrow symbol indicating your next turning manoeuvre on the right side of the screen.
The route guidance menu is displayed.

**Note**
The route guidance menu may only be displayed if route guidance is active.
The route guidance menu provides additional options to change route settings during active route guidance.

**Displaying the turn list**
The turn list displays all streets on the calculated route, starting from the current location.
Select **TURN LIST** in the interaction selector bar of the route guidance menu. The turn list is displayed and the next manoeuvre is read out by the system.

Each list entry may show the following information:
- name of the street, motorway or motorway junction
- direction arrow
- distance to the next street on the route
- estimated arrival time to reach the next street

To display all available information on a particular list item, select the respective list item and then select **Info** in the top line of the screen.
Excluding streets from route guidance
After route guidance has been started, you may exclude streets from the previously calculated route. The route is then recalculated bypassing the streets excluded.
Select AVOID in the interaction selector bar of the route guidance menu. The turn list is displayed.
Select the street, motorway or motorway junction you wish to avoid. You are prompted with a message.
Select the desired distance option.
The respective street or motorway is displayed in the Avoided Areas section on top of the turn list indicated by a red ✔.

Note
The Avoided Areas section also comprises roads automatically avoided by the system due to traffic incidents.
To reinclude the avoided street or motorway into the route, deselect the respective list item.

Displaying the waypoint list
If you are in a waypoint trip, the route guidance menu comprises additional menu functions for waypoint trip modification.
The waypoint list displays all waypoints of the calculated waypoint trip, starting with the next upcoming waypoint.
Select WAYPOINTS in the interaction selector bar of the route guidance menu. The waypoints list is displayed.

Each list entry may show the following information:
- name or address of the waypoint
- distance to the next waypoint
- estimated arrival time to reach the next waypoint

Editing the waypoint trip
To arrange a waypoint trip as desired, select EDIT in the interaction selector bar of the route guidance menu. The waypoints list is displayed.
To change the position of the waypoints within the list, select ▲ and ▼ next to the respective list items.
To delete a waypoint from the list, select ☓.
Select Save at the top of the screen to save the changes.

Optimising the waypoint trip
If several waypoints have been added and the waypoint trip has been edited several times, you may want to rearrange the waypoints in the most efficient order.
Select **OPTIMISE** in the interaction selector bar of the route guidance menu.

Wait until the waypoints list has been updated.

Select **Save** at the top of the screen to save the changes.
Speech recognition

General information

Embedded speech recognition

The embedded speech recognition of the Infotainment system enables you to operate various functions of the Infotainment system via voice input. It recognises commands and numeric sequences independently of the relevant speaker. The commands and numeric sequences can be spoken without a voice pause between the individual words.

In the event of incorrect operation or commands, the speech recognition gives visual and/or acoustic feedback and requests you to re-enter the desired command. Apart from this, the speech recognition acknowledges important commands and will enquire if necessary.

In general, there are different ways to speak commands for performing the desired actions.

**Note**

To ensure that conversations inside the vehicle do not lead to unintentional triggering of the system functions, the speech recognition does not start until it has been activated.

**Important information**

**Language support**

- Not all languages available for the display of the Infotainment system are also available for the speech recognition.
- If the display language currently selected is not supported by the speech recognition, speech recognition is not available.

In such a case, you need to select another language for the display if you want to control the Infotainment system via voice input. To change the display language, see "Language" in chapter "System settings" ◊ 28.

**Address input of destinations in foreign countries**

In case you want to enter the address of a destination located in a foreign country via voice input, you need to change the language of the Info-Display to the language of the foreign country.
Speech recognition

E.g., if the display is currently set to English and you want to enter the name of a city located in France, you need to change the display language to French.

Exceptions: If you want to enter addresses in Belgium, you may optionally change the display language to French or Dutch. For addresses in Switzerland you may optionally change the display language to French, German, or Italian.

For changing the display language, see "Language" in chapter "System settings" \(\diamond\) 28.

Input order for destination addresses

The order in which the parts of an address need to be entered using the speech recognition system is dependent on the country where the destination is located.

- Austria, Germany:
  
  `<city> <street> <house number>`

- Belgium, France, Great Britain:
  
  `<house number> <street> <city>`

- Denmark, Italy, Netherlands, Poland, Portugal, Russia, Spain, Switzerland, Turkey:
  
  `<street> <house number> <city>`

Setting up the speech recognition

Several settings and adaptations for the embedded speech recognition of the Infotainment system can be performed.

Press HOME and then select the SETTINGS icon.

Select Voice item to enter the respective submenu.

Confidence Threshold

Depending on the option selected in the corresponding submenu, the speech recognition appears more or less 'confident' in correctly understanding your commands.

**Confirm More:** If selected, the system asks you relatively often to confirm your commands. Consequently, the system performs the correct action in most cases.

**Confirm Less:** If selected, the system asks you less often to confirm your voice inputs. Consequently, the system might sometimes misinterpret your commands and not perform the correct action.

**Note**

When starting to use the speech recognition, it may be advantageous to use the **Confirm More** setting. As you get more experienced, i.e., you get to know how to pronounce your commands in a way the speech recognition understands you correctly, it may be advantageous to use the **Confirm Less** setting.
Prompt Length
The length and the level of detail of the questions and statements the speech recognition gives out can be adjusted in the corresponding submenu.

Audio Feedback Speed
The speed with which the speech recognition asks questions or makes statements can be adjusted in the corresponding submenu.

If Medium is selected, the system’s speech rate corresponds to natural speech.

Note
When starting to use the speech recognition, it may be advantageous to use the Long setting. As you get more experienced, it may be advantageous to use the Short setting.

Display "What Can I Say?" Tips
Depending on whether you want possible speech commands to be displayed on the screen, set Display “What Can I Say?" Tips to On or Off.

Voice pass-thru application
The voice pass-thru application of the Infotainment system allows access to the speech recognition commands on your smartphone.

The availability of this function depends on your smartphone. For more information on compatibility, see our website.

Usage

Embedded speech recognition

Activating speech recognition

Note
Speech recognition is not available during an active phone call.

Activation via the & button on the steering wheel
Press & on the steering wheel.

The audio system mutes, a voice output message prompts you to say a command, and help menus with the most important commands currently available are shown on the Info-Display or in the Driver Information Centre.

As soon as the speech recognition is ready for voice input, a beep is heard. The speech recognition symbol in the upper left corner of the help menu changes from white to red.

You can now say a voice command to initiate a system function (e.g. playing a preset radio station).

Activation via the VOICE screen button on the centre display
Select VOICE in the interaction selector bar of a centre display main menu.

The audio system mutes, a voice output message prompts you to say a command, and a help menu with the most important commands currently available is shown on the centre display.

As soon as the speech recognition is ready for voice input, a beep is heard. The speech recognition symbol on the right side of the help menu changes from black to red.

You can now say a voice command, see description above.
Speech recognition

Adjusting the volume of voice prompts
Press ⧿ or ⧺ on the steering wheel upwards (increase volume) or downwards (decrease volume).

Interrupting a voice prompt
As an experienced user, you can interrupt a voice prompt by briefly pressing ⌠ on the steering wheel.

A beep is heard immediately, the speech recognition symbol changes to red, and a command can be stated without having to wait.

Cancelling a dialogue sequence
There are various ways to cancel a dialogue sequence and to deactivate the speech recognition:
- Say "Cancel" or "Exit".
- Press ⏺ on the steering wheel.
- If the speech recognition session was started via the VOICE screen button on the centre display, you may alternatively:
  - Press HOME on the control panel.
  - Select ☐ or Exit in the help menu.

In the following situations, a dialogue sequence is automatically cancelled:
- If you do not say any command for a certain period of time (by default you are prompted three times to say a command).
- If you say commands that are not recognised by the system (by default you are prompted three times to say a correct command).

Operation via speech commands
The speech recognition can understand commands that are either naturally stated in sentence form, or direct commands stating the application and the action.

For best results:
- Listen for the voice prompt and wait for the beep before saying a command or replying.
- Say "Help" or read the example commands on the screen.

- The voice prompt can be interrupted by pressing ⌠ again.
- Wait for the beep and then speak the command naturally, not too fast, not too slow. Use short and direct commands.

Usually commands can be spoken in a single command. For example, "Call David Smith at work", "Play" followed by the artist or song name, "Tune to" followed by the radio waveband and frequency/station name, or "Find address" followed by the address e.g. "123 Main Road, London".

In case of complex commands or when information is missing, the system starts a dialogue sequence.

When searching for a "Point of Interest", only major chains may be selected by name. Chains are businesses with at least 20 locations. For other POIs, say the name of a category, e.g. "Restaurants", "Shopping centres", or "Hospitals".

If you say "Phone" or "Phone commands", the system understands that a phone call is requested and responds with relevant questions until
enough details are gathered. If the phone number has been saved with a name and a place, the direct command should include both, for example "Call David Smith at work".

**Selecting list items**
When a list is displayed, a voice prompt asks to confirm or select an item from that list. A list item may be manually selected, or by speaking the line number of the item.

The list on a speech recognition screen functions the same as a list on other screens. Manually scrolling the list on a screen during a speech recognition session suspends the current speech recognition event and plays a prompt like "Make your selection from the list using the manual controls, press the back button on the faceplate, or press the back screen button to try again". If no manual selection is made within 15 seconds, the speech recognition session terminates, you are prompted with a message, and the former screen is redisplayed.

**The "Back" command**
To return to the previous menu, optionally: say "Back", press ➡ BACK on the control panel, or press ↳.

**The "Help" command**
After saying "Help", the help prompt for the current screen is read aloud. Additionally, the prompt is displayed on the screen.

Depending on how speech recognition was initiated, the help prompt is either displayed in the Driver Information Centre or on the centre display.

To interrupt the help prompt, press ✕. A beep is heard. You may say a command.

**Voice pass-thru application**

**Activating speech recognition**
Press and hold ✕ on the steering wheel until a speech recognition icon is displayed in the Driver Information Centre.

In addition, a message in the Driver Information Centre informs you when the voice pass-thru application is ready for use.

**Adjusting the volume of voice prompts**
Turn ⬆ on the control panel or press ⬆ or ⬇ on the steering wheel upwards (increase volume) or downwards (decrease volume).

**Deactivating speech recognition**
Press ✕ on the steering wheel. The speech recognition session is ended.
General information
The Phone portal provides you with the possibility of having mobile phone conversations via a vehicle microphone and the vehicle loudspeakers as well as operating the most important mobile phone functions via the Infotainment system in the vehicle. To be able to use the Phone portal, the mobile phone must be connected to the Infotainment system via Bluetooth.

Not all Phone functions are supported by every mobile phone. The usable phone functions depend on the relevant mobile phone and network provider. You will find further information on this in the operating instructions for your mobile phone, or you can enquire about them with your network provider.

Important information for operation and traffic safety

⚠️ Warning
Mobile phones have effects on your environment. For this reason, safety regulations and directions have been prepared. You should be familiar with the related directions before you use the telephone function.

⚠️ Warning
Use of the hands-free facility while driving can be dangerous because your concentration is reduced when telephoning. Park your vehicle before you use the hands-free facility. Follow the stipulations of the country in which you find yourself at present.

Do not forget to follow the special regulations that apply in specific areas and always switch off the mobile phone if the use of mobile phones is prohibited, if...
interference is caused by the mobile phone or if dangerous situations can occur.

Bluetooth
The Phone portal is certified by the Bluetooth Special Interest Group (SIG).
You will find further information about the specification on the internet at http://www.bluetooth.com

Bluetooth connection
Bluetooth is a radio standard for the wireless connection of e.g. mobile phones or other devices.
To be able to set up a Bluetooth connection to the Infotainment system, the Bluetooth function of the Bluetooth device must be activated.
For further information, please consult the operating instructions for the Bluetooth device.
Via the Bluetooth settings menu, pairing (PIN code exchange between Bluetooth device and Infotainment system) and connecting of the Bluetooth devices to the Infotainment system are carried out.

Bluetooth settings menu
Press HOME and then select the SETTINGS icon.
Select Bluetooth to display the respective submenu.

Pairing a device
Important information
• Up to five devices can be paired to the system.
• Only one paired device can be connected to the Infotainment system at a time.
• Pairing normally only needs to be carried out once, unless the device is deleted from the list of paired devices. If the device has been connected previously, the Infotainment system automatically establishes a connection.
• Bluetooth operation considerably drains the device’s battery. Therefore, connect the device to the USB port for charging.

Pairing via the Settings application
1. Press HOME and then select the SETTINGS icon.
Select Bluetooth to display the respective submenu.
2. Select Pair Device.
Alternatively, select Device Management to display the device list and then select Pair Device.
3. A message is displayed on the Infotainment system indicating the name and PIN code of the Infotainment system.
4. Start Bluetooth searching on the Bluetooth device to be paired.
5. Confirm the pairing procedure:
   • If SSP (secure simple pairing) is supported:
Compare the PIN code (if demanded) and confirm the messages on the Infotainment system and the Bluetooth device.

- If SSP (secure simple pairing) is not supported:
  If desired, select **Set PIN** to change the PIN code of the Infotainment system. A keypad is displayed. Enter the new PIN code and confirm your input.

Enter the Infotainment PIN code on the Bluetooth device and confirm your input.

6. The Infotainment system and the device are paired and the device list is displayed.

**Note**
If the Bluetooth connection fails, a failure message is displayed on the screen of the Infotainment system.

7. If available on the Bluetooth device, phone book and calls lists are downloaded to the Infotainment system. If required, confirm the respective message on your smartphone.

**Note**
For the contacts to be read by the Infotainment system, they have to be stored in the phone memory of the mobile phone.

If this function is not supported by the Bluetooth device, a corresponding message is displayed on the Infotainment system.

**Pairing via the Phone application**
1. Press **HOME** and then select the **PHONE** icon.
2. Select **Pair Device**.
3. Proceed from step 3 of "Pairing via the Settings application" (see above).
4. If the device has been successfully paired, the phone menu is displayed.

**Connecting a paired device**
1. Press **HOME** and then select the **SETTINGS** icon.
   Select Bluetooth to display the respective submenu.
2. Select **Device Management** to display the device list.
3. Select the Bluetooth device you wish to connect.
4. The device is connected and displayed within the **Connected** field of the device list.

**Disconnecting a device**
1. Press **HOME** and then select the **SETTINGS** icon.
   Select Bluetooth to display the respective submenu.
2. Select **Device Management** to display the device list.
3. Select × beside the Bluetooth device currently connected. You are prompted with a message.
4. Select **Yes** to disconnect the device.
Deleting a device

1. Press **HOME** and then select the **SETTINGS** icon.
   Select **Bluetooth** to display the respective submenu.
2. Select **Device Management** to display the device list.
3. Select – beside the Bluetooth device to be deleted. You are prompted with a message.
4. Select **Yes** to delete the device.

Emergency call

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<tr>
<th>Warning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connection setup cannot be guaranteed in all situations. For this reason you should not rely exclusively on a mobile phone when a vitally important communication (e.g. a medical emergency) is concerned. In some networks it may be necessary for a valid SIM card to be properly inserted in the mobile phone.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Warning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bear in mind that you can make and receive calls with the mobile phone if it is in a service area with a sufficiently strong signal. Under certain circumstances, emergency calls cannot be made on all mobile phone networks; it is possible that they cannot be made when certain network services and/or telephone functions are active. You can enquire about this with the local network operators. The emergency call number can differ depending on the region and country. Please enquire beforehand about the correct emergency call number for the relevant region.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Warning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Do not end the call until you are requested to do so by the emergency call centre.</td>
</tr>
</tbody>
</table>

Making an emergency call

Dial the emergency call number (e.g. 112).
The telephone connection to the emergency call centre is set up. Answer when the service personnel questions you about the emergency.

Operation

As soon as a connection via Bluetooth has been set up between your mobile phone and the Infotainment system, you can operate many functions of your mobile phone via the Infotainment system.

**Note**

Not every mobile phone supports all functions of the Phone portal. Therefore, deviations from the range of functions described below are possible.

**Phone application**

Press **HOME** and then select the **PHONE** icon (with phone symbol) to display the respective menu. The Phone portal comprises different views accessible via tabs. Select the desired tab.
Note
The phone main menu is only available if a mobile phone is connected to the Infotainment system via Bluetooth. For a detailed description 71.

Initiating a phone call

Keypad
Press HOME and then select the PHONE icon to display the respective menu.

If necessary, select KEYPAD in the interaction selector bar. The keypad is displayed.

Enter the desired number and select Call. The number is dialled.

To dial a speed dial number, enter the number and touch and hold the last digit. The number is dialled.

Contacts
Press HOME and then select the PHONE icon to display the respective menu.

If necessary, select CONTACTS in the interaction selector bar. The contacts list is displayed.

For a detailed description of the contacts lists 23.

Scroll to the desired contacts entry.

Quick function icon
If there is only one number stored for a contact, a quick dial icon is displayed next to the respective entry in the contacts list.

Select ☎ to directly initiate the call.

Contact details view
If more than one number is stored for a contact, select the respective contact.

The contact details view is displayed.

Select one of the phone numbers stored for the contact. The number is dialled.

Calls lists
Press HOME and then select the PHONE icon to display the respective menu.

If necessary, select RECENT in the interaction selector bar. The recent calls list is displayed.
Missed calls are highlighted in red in the recent calls list and indicated by a \( \Delta \) next to the phone icon in the application tray.

Select one of the phone numbers stored in the recent calls list. The number is dialled.

**Favourites**
Reveal the favourites page.
If necessary, scroll through the pages.
Select the desired favourite screen button.
For a detailed description \( \diamond \) 19.

---

## Incoming phone call

### Taking a phone call
If a radio or media source is active when a call comes in, the audio source is muted and remains muted until the call is ended.

A message with the caller’s name or number is displayed at the bottom of the screen.

To answer the call, select **Answer** in the message.

### Rejecting a phone call
To reject the call, select **Ignore** in the message.

## Changing the ringtone
Press **HOME** and then select the **SETTINGS** icon.
Select **Bluetooth** to display the respective submenu and then select **Ringtones**. A list of all phones paired to the Infotainment system is displayed.
Select the desired phone. A list of all ringtones available for the respective phone is displayed.
Select the desired ringtone.

## Functions during a phone call
During a phone call, the in-call view is displayed.
Ending a phone call
Select **End** to end the call.

Deactivating the microphone
Select **Mute** to temporarily deactivate the microphone.
The screen button changes to **Unmute**.
To reactivate the microphone, select **Unmute**.

Deactivating the hands-free function
To continue the conversation on your mobile phone, select **Handset**.
The screen button changes to **Handsfree**.
To reactivate the hands-free function, select **Handsfree**.

Second phone call
Initiating a second phone call
To initiate a second phone call, select **Add** in the in-call view. The phone menu is displayed.
Initiate a second phone call. For a detailed description, see above.

To cancel the initiation of the second call and return to the in-call view, select **Current Call**.
Both calls are displayed in the in-call view.

Second incoming phone call
A message with the caller's name or number is displayed at the bottom of the in-call view.
Select **Answer** or **Ignore** in the message.

Ending the phone calls
To end both calls, select **End** at the bottom of the screen.

To end just one of the calls, select ☑️ next to the respective call.

Conference call
Select ➤️ to merge the two calls. Both calls become active.
The ➤️ screen button changes to ◀️.

To unmerge the calls, select ◀️.

Phones
Select **PHONES** in the interaction selector bar to display the device list.
Phone

For a detailed description ◊ 71.

Text messages

The TEXT application allows text messages to be received and replied to via the Infotainment system.

Note
If the vehicle is going faster than 8 km/h, some functions of the text application may not be available.

Prerequisites

The following prerequisites must be met in order to use the TEXT application:

- The Bluetooth function of the respective phone must be activated (see the operating instructions for the device).
- Dependent on the phone, it may be required to set the device to "visible" (see the operating instructions for the device).
- Depending on the phone, it may be required to manually allow access to the text messages function on the phone (see the operating instructions for the device).
- The respective phone must be paired and connected to the Infotainment system. For a detailed description ◊ 71.
- The respective phone must support Bluetooth Message Access Profile (BT MAP).

Starting the text application

Press the HOME button and then select the TEXT application icon.

If a new text message is received, you are prompted with a message. Select one of the screen buttons to enter the TEXT application.

Note
Text message alerts are only displayed if Text Alerts in the text settings menu is set to On.
Listening to a message
Select INBOX in the interaction selector bar. The text messages stored on the respective phone are displayed in a list.

Note
Depending on the phone, not all text messages stored on the phone are displayed in the inbox.

To listen to a message, select \( \text{Listen} \) beside the respective message.
Alternatively, select the desired message to display the message view. Select LISTEN in the interaction selector bar.

Viewing a message
Select INBOX in the interaction selector bar. The text messages stored on the respective phone are displayed in a list.
Select the desired message to display the complete message text.

Calling the sender
Select INBOX in the interaction selector bar. The text messages stored on the respective phone are displayed in a list.
Select the desired message to display the message view.
Select Call in the interaction selector bar. The sender of the message is called.

Replying to a message
Select INBOX in the interaction selector bar. The text messages stored on the respective phone are displayed in a list.
Select the desired message to display the message view.
Select REPLY in the interaction selector bar. A list of predefined messages is displayed.
Select the desired predefined text message.
If none of the predefined messages serves your purpose, you can write a new message, see "Manage Predefined Messages" below.

Deleting a message
Select INBOX in the interaction selector bar. The text messages stored on the respective phone are displayed in a list.
Select the desired message to display the message view.
To delete the text message, select Delete in the interaction selector bar.

Note
Depending on the phone, the reply function may not be supported.
Device list
Select **PHONES** to display the device list.
For a detailed description 71.

Text settings
Select **Settings** to enter the settings menu.

Text Alerts
If you wish an alert to pop-up when a new text message is received, set **Text Alerts - On**.

Manage Predefined Messages
Select **Manage Predefined Messages** to display a list of all predefined messages.

Adding a new message

**Note**
Predefined messages can only be entered when the vehicle is stationary.

Select **Add New Predefined Message**. A keyboard is displayed.
Enter the desired message text and confirm your input. The new message is added to the list of predefined messages.

Deleting a predefined message
To delete a predefined message, select – beside the message you wish to delete.

Mobile phones and CB radio equipment

Installation instructions and operating guidelines
The vehicle specific installation instructions and the operating guidelines of the mobile phone and hands-free manufacturer must be observed when installing and operating a mobile telephone. Failure to do so could invalidate the vehicle type approval (EU directive 95/54/EC).

Recommendations for fault-free operation:
- The exterior antenna must be professionally installed to obtain the maximum range possible.
- Maximum transmission power: 10 watts.
- The mobile phone must be installed in a suitable spot. Consider relevant note in the Owner's Manual, chapter **Airbag system**.
Seek advice on predetermined installation points for the external antenna or equipment holder and ways of using devices with a transmission power exceeding 10 watts.

Use of a hands-free attachment without external antenna with mobile telephone standards GSM 900/1800/1900 and UMTS is only permitted if the maximum transmission power of the mobile telephone is 2 watts for GSM 900 or 1 watt for the other types.

For reasons of safety, do not use the phone while driving. Even use of a hands-free set can be a distraction while driving.

⚠️ Warning

Operation of radio equipment and mobile telephones which fail to meet above mentioned mobile telephone standards is only permitted using an antenna located outside of the vehicle.

<table>
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<th>Caution</th>
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<tr>
<td>Mobile telephones and radio equipment may lead to malfunctions in the vehicle electronics when operated inside the vehicle with no exterior antenna, unless the above mentioned regulations are observed.</td>
</tr>
<tr>
<td>Frequently asked questions</td>
</tr>
<tr>
<td>----------------------------</td>
</tr>
<tr>
<td>Phone</td>
</tr>
<tr>
<td>① How can I pair my phone with the Infotainment system?</td>
</tr>
<tr>
<td>② How can I access my phone book contacts and recent calls?</td>
</tr>
<tr>
<td>① In order to access the contacts or calls list, press HOME, select the PHONE icon and then select CONTACTS or RECENT. Make sure access to the phone book and recent calls list is allowed on the phone. Depending on the phone, loading the phone book and recent calls list might take a few minutes. Detailed description ♦ 73.</td>
</tr>
<tr>
<td>② How can I rename, delete or move my favourites?</td>
</tr>
</tbody>
</table>
Where are the favourites stored and how can I recall them?
The favourites are stored in the favourites list. To recall a favourite, select the respective screen button on the favourites row displayed. On certain screens, the favourites list is hidden to extend the main content view. On these screens, select ▲ on the lower right of the screen or drag the interaction selector bar upwards with the finger.

Detailed description 53.

How can I cancel active route guidance?
To cancel route guidance, select MENU in the interaction selector bar and then select Cancel Route.

Detailed description 59.

Navigation
After entering a destination address, an error message is shown. What am I doing wrong?
For full address entry, the navigation system expects a certain input order. Depending on the country in which the entered address is located, a different input order might be required. Add the country name at the end of the entry, if a destination in another country has been entered.

Detailed description 19.

Audio
How can I change the audio source?
By pressing RADIO repeatedly, you can toggle through all available radio sources (AM/FM/DAB). By pressing MEDIA repeatedly, you can toggle through all available media sources.

Detailed description for radio 32, CD 37, external devices 40.

How can I browse radio stations or media music?
To browse radio stations or media music, such as playlists or albums, select BROWSE on the audio screen.

Detailed description for radio 32, CD 38, external devices 41.

Other
How can I improve the performance of the voice recognition?
The voice recognition is designed to understand naturally pronounced voice commands. Wait for the beep tone and speak afterwards. Try to speak naturally, not too fast or too loud.

Detailed description 65.

How can I improve the touch screen's performance?
The touch screen is pressure-sensitive. Especially when doing drag gestures, try to apply more pressure with the finger.

Detailed description 15.
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Introduction

General information
The Infotainment system provides you with state-of-the-art in-car infotainment. Using radio tuner functions, you may register up to 25 stations on five favourite lists. You can connect external data storage devices to the Infotainment system as further audio sources; either via cable or via Bluetooth. The navigation system with dynamic route planning will reliably guide you to your destination, and, if desired, automatically avoid traffic jams or other traffic problems. In addition, the Infotainment system allows comfortable and safe use of your mobile phone in the vehicle.

Note
This manual describes all options and features available for the various Infotainment systems. Certain descriptions, including those for display and menu functions, may not apply to your vehicle due to model variant, country specifications, special equipment or accessories.

Important information on operation and traffic safety

⚠️ Warning
The Infotainment system must be used so that the vehicle can be driven safely at all times. If in doubt, stop the vehicle and operate the Infotainment system while the vehicle is stationary.
⚠️ Warning

In some areas one-way streets and other roads and entrances (e.g. pedestrian zones) that you are not allowed to turn into are not marked on the map. In such areas the Infotainment system may issue a warning that must be accepted. Here you must pay particular attention to one-way streets, roads and entrances that you are not allowed to drive into.

Radio reception

Radio reception may be disrupted by static, noise, distortion or loss of reception due to:

- changes in distance from the transmitter
- multipath reception due to reflection
- shadowing

 Theft-deterrent feature

The Infotainment system is equipped with an electronic security system for the purpose of theft deterrence. The Infotainment system therefore functions only in your vehicle and is worthless to a thief.
Control elements overview

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Usage

Control elements

The Infotainment system is operated via function buttons, a touch screen and menus that are shown on the display.

Inputs are made optionally via:

- the central control unit in the control panel
- the touch screen
- audio controls on the steering wheel
- the speech recognition

Switching the Infotainment system on or off

Short press to switch the system on. After switching on, the last selected Infotainment source becomes active.

Long press to switch the system off.

Automatic switch-off

If the Infotainment system has been switched on by pressing while the ignition is switched off, it will switch off again automatically 10 minutes after the last user input.

Setting the volume

Turn . The current setting is shown on the display.

When the Infotainment system is switched on, the last selected volume is set, provided that it is lower than the maximum start-up volume. For a detailed description.

Speed compensated volume

When the speed compensated volume is activated, the volume is adapted automatically to make up for the road and wind noise as you drive.

Mute

Press to mute the Infotainment system.

To cancel the mute function, press again. The last selected volume is set again.

Modes of operation

Press to display the home menu.

Note

For a detailed description of menu operation via touch screen.

Audio

Select Audio to open the main menu of the last selected audio mode.

Select Source on the screen to display the interaction selector bar.

To change to another audio mode, touch one of the items in the interaction selector bar.
Introduction

For a detailed description of:
- Radio functions 105
- External devices 113

**Gallery**
Select **Gallery** to open the picture and movie menu for files stored on an external device, e.g. USB device or smartphone.
Select  or  to display the picture or movie menu. Select the desired picture or movie file to show the respective item on the display.

**Phone**
Before the phone function can be used, a connection has to be established between the Infotainment system and the mobile phone.
For a detailed description of preparing and establishing a Bluetooth connection between the Infotainment system and a mobile phone 134.
If the mobile phone is connected, select **Phone** to display the main menu.

**Projection**
To show specific apps of your smartphone displayed on the Infotainment system, connect your smartphone.
Select **Projection** to start the projection function.
Depending on the smartphone connected, a main menu with different selectable apps is displayed.
For a detailed description 116.
Nav
(R 4.0 IntelliLink, if Projection not available)
To start the BringGo navigation application, select Nav.
For a detailed description 116.

Navigation
(Navi 4.0 IntelliLink)
Press ⌁ to display the home screen.
Select Navigation to display the navigation map showing the area around the current location.

Settings
Select Settings to open a menu for various system-related settings, e.g. deactivating Audible Touch Feedback.

OnStar
To display a menu with the OnStar Wi-Fi settings, select OnStar.
For a detailed description, see Owner’s Manual.
Basic operation

The display of the Infotainment system has a touch-sensitive surface that allows direct interaction with the displayed menu controls.

<table>
<thead>
<tr>
<th>Caution</th>
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</thead>
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<tr>
<td>Do not use pointed or hard items like ballpoint pens, pencils or similar for touch screen operation.</td>
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</table>

**Return button**

When operating the menus, press \( \uparrow \) in the respective submenu to return to the next higher menu level.

When no \( \uparrow \) screen button is displayed, you are on the top level of the respective menu. Press \( \heartsuit \) to display the home screen.

**Screen button**

Touch a screen button or menu item. The corresponding system function is activated, a message is shown, or a submenu with further options is displayed.
Moving items on the home menu

Touch and hold the element you wish to move until red boxes appear around the icons. Move your finger to the desired location and release the element.

**Note**
Constant pressure must be applied and the finger must be moved at a constant speed.

All other items are rearranged.
Press one of the buttons on the control panel to exit edit mode.

**Note**
Edit mode exits automatically after 30 seconds of inactivity.

**Scrolling lists**

If there are more items available than presentable on the screen, the list must be scrolled.
To scroll through a list of menu items, you may optionally:
- Place your finger anywhere on the screen and move it upwards or downwards.

**Scrolling pages**

Note
Pages are only scrollable if there is more than one page available.
To scroll from one page to another:
- Place your finger anywhere on the screen and move it left to scroll to the next page or right to scroll to the previous page.

**Note**
Constant pressure must be applied and the finger must be moved at a constant speed.
- Touch > or < on the screen.

**Quick-jumping to the Audio and Navigation application**

Using the ⼲ or ⼱ symbols displayed in the top line of some menus, you may directly jump to a different application.

To directly jump to the **Audio** menu, select ⼲.
To directly jump to the **Navigation** menu, select ⼱.

**Equaliser mode**

Use this setting to optimise the tone for the style of music, e.g. Rock or Classical.
Select the desired sound style in the interaction selector bar at the bottom of the screen. If you choose **Custom**, you can manually adjust the following settings.

**Tone settings**

In the tone settings menu, the tone characteristics can be set. The menu may be accessed from each audio main menu.

To open the tone settings menu, select **Menu** in the respective audio main menu. If necessary, scroll through the list of menu items and select **Tone Settings**. The respective menu is displayed.
Bass
Use this setting to enhance or attenuate the deep frequencies of the audio sources.
Touch + or - to adjust the setting.

Midrange
Use this setting to enhance or attenuate the midrange frequencies of the audio source.
Touch + or - to adjust the setting.

Treble
Use this setting to enhance or attenuate the high frequencies of the audio sources.
Touch + or - to adjust the setting.

Setting balance and fader
Use the illustration at the right side of the menu to adjust balance and fader.
To define the point in the passenger compartment where the sound is at its highest level, touch the corresponding point in the illustration. Alternatively, you can move the red marker to the desired point.

Note
The balance and fader settings are valid for all audio sources. They cannot be adjusted individually for each audio source.

Volume settings

Adjusting the maximum startup volume
Press 🏷 and then select Settings.
Select Radio, scroll through the list and then select Max Startup Volume.
Touch + or - to adjust the setting or move the slider on the volume bar.

Adjusting the speed compensated volume
Press 🏷 and then select Settings.
Select Radio, scroll through the list and then select Auto Volume.
To adjust the degree of volume adaptation, select one of the options in the list.
Off: no enhancement of volume with increasing vehicle speed.

High: maximum enhancement of volume with increasing vehicle speed.

Activating or deactivating the audible touch feedback function
If the audible touch feedback function is activated, each touch of a screen button or menu item is indicated by a beeping sound.
Press 🏷 and then select Settings.
Select Radio and then scroll through the list to Audible Touch Feedback.

Touch the screen button next to Audible Touch Feedback to activate or deactivate the function.
Volume of traffic announcements
To adjust the volume of traffic announcements, set the desired volume while a traffic announcement is given out by the system. The respective setting is then stored by the system.

System settings
The following settings concern the whole system. All other settings are described in the respective chapters of this manual.

Time and date settings
Press and then select Settings. Select Time and Date to display the respective submenu.

Set Time Format
To select the desired time format, touch the screen buttons 12h or 24h.

Set Date Format
To select the desired date format, select Set Date Format and choose between the available options in the submenu.

Auto Set
To choose whether time and date are to be set automatically or manually, select Auto Set.
For time and date to be set automatically, select On - RDS.
For time and date to be set manually, select Off - Manual. If Auto Set is set to Off - Manual, the submenu items Set Time and Set Date become available.

Set time and date
To adjust the time and date settings, select Set Time or Set Date.
Touch + or - to adjust the settings.

Language settings
Press and then select Settings. Select Language to display the respective menu.
To adjust the language for the menu texts, touch the desired language.

Text scroll function
If long text is displayed on the screen e.g. song titles or station names, the text may either be scrolled continually or it may be scrolled once and displayed in truncated form.
Press and then select Settings. Select Radio.
If you wish the text to be scrolled continually, activate **Text Scroll**.
If you wish the text to be scrolled in blocks, deactivate the setting.

**Black display function**
If you do not want to see the illuminated display, e.g. during night time, you can turn the display off.
Press 🌒 and then select **Settings**.
Scroll through the list and select **Turn Display Off**. The display is turned off. The audio functions remain active.
To turn the display on again, touch the screen or press a button.

**Factory defaults**
(R 4.0 IntelliLink)
Press 🌒 and then select **Settings**.
Scroll through the list and select **Return to Factory Settings**.
To restore all vehicle personalisation settings, select **Restore Vehicle Settings**.
To delete the paired Bluetooth devices, the contacts list and the voice mail numbers stored, select **Clear All Private Data**.
To reset tone and volume settings, delete all favourites, and erase the ringtone selection, select **Restore Radio Settings**.
In each case, a warning message is displayed. Select **Continue** to reset the settings.

(Navi 4.0 IntelliLink)
Press 🌒 and then select **Settings**.
Scroll through the list and select **Restore Factory Settings**.

**Vehicle settings**
To restore all vehicle personalisation settings, select **Reset Vehicle Settings**.
A pop-up is displayed. Confirm the pop-up message.

**Phone information**
To delete the paired Bluetooth devices, the contacts list and the voice mail numbers stored, select **Clear all phone information**.
A pop-up is displayed. Confirm the pop-up message.

**Radio settings**
To reset tone and volume settings and delete all favourites, select **Restore Radio Settings**.
A pop-up is displayed. Confirm the pop-up message.

**Navigation settings**
To reset all navigation parameters and navigation system settings, select **Restore Navigation Settings**. A submenu is displayed.
Depending on which set of parameters you want to reset, select **Clear navigation history** (recent destinations), **Clear navigation favourites** (favourites) or **Reset navigation options and settings** (e.g. settings concerning map display, voice output or route options).

A pop-up is displayed. Confirm the pop-up message.

**System version**

Press 🌐 and then select **Settings**.

Scroll through the list and select **Software Information**.

If a USB device is connected, you may save the vehicle information to this USB device.

Select **System Update** and then **Save Vehicle Info to USB**.

For a system update, contact your workshop.

**Vehicle settings**

**Vehicle settings** are described in the Owner's Manual.
Radio

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Station search ............................ 105
Favourite lists ............................. 107
Radio data system ..................... 107
Digital audio broadcasting .......... 109

Usage

Activating radio

Press _AUDIO and then select Audio. The audio main menu last selected is displayed.

Select Source in the radio main menu to open the interaction selector bar.

Station search

Automatic station search

Briefly press or touch  or  on the control panel or on the screen to play the previous or next station in the station memory.

Manual station search

Press and hold  or  on the control panel. Release when the required frequency has almost been reached.

A search is made for the next station that can be received and it is played automatically.

Select the desired waveband.
The station last played in the selected waveband will be received.
Radio

**Note**
FM waveband: when the RDS function is activated, only RDS stations ▶ 107 are searched for, and when the radio traffic service (TP) is activated, only traffic service stations ▶ 107 are searched for.

**Station tuning**
Touch "" on the screen. The Direct tune screen is shown.

Enter the desired frequency. Use ← to delete digits entered. If necessary, touch ◀ or ▶ to subsequently adjust the input.
Confirm the input to play the station.

**Station lists**
Select Menu in the radio main menu to open the corresponding waveband-specific submenu.
Select Station List. All receivable stations of the relevant waveband and in the current reception area are displayed.
Select the desired station.

**Note**
The currently received radio station is indicated by the ▶ symbol next to the station name.

**Category lists**
Numerous radio stations broadcast a PTY code, which specifies the type of programme transmitted (e.g. news).
Some stations also change the PTY code depending on the content which is currently transmitted.
The Infotainment system stores these stations, sorted by programme type in the corresponding category list.

**Note**
The Categories list item is only available for the FM and the DAB wavebands.

To search for a programme type determined by the stations, select Categories.
A list of programme types currently available is displayed.
Select the desired programme type. A list of stations of the selected programme type is displayed.
Select the desired station.

**Note**
The currently received radio station is indicated by the ▶ symbol next to the station name.

**Update station lists**
If the stations stored in the waveband-specific station list can no longer be received, the AM and the DAB station lists must be updated.

**Note**
The FM station list is updated automatically.
Select **Menu** in the radio main menu and then select **Update Station List**.

**Note**
If a waveband-specific station list is updated, the corresponding category list is also updated.

A station search is started and a corresponding message is displayed. Once the search is finished, the respective station list is displayed.

**Note**
The currently received radio station is indicated by the ▶ symbol next to the station name.

**Favourite lists**
Stations of all wavebands can be stored manually in the favourite lists.

Five favourite lists with five favourites each are available.

**Note**
The currently received station is highlighted.

**Storing a station**
If required, touch < or > to scroll to the desired favourite list.

To store the currently active radio station as a favourite, touch and hold the desired favourite button for a few seconds. The favourite button will be titled as the corresponding frequency or station name.

**Retrieving a station**
If required, touch < or > to scroll to the desired favourite list.

Select the desired favourite.

**Defining the number of available favourite lists**
To define the number of favourite lists displayed for selection, press ⬇ and then select **Settings** on the screen.

Select **Radio** and then **Manage Favourites** to display the respective submenu.

Activate or deactivate the favourite lists to be displayed.

**Radio data system**
Radio data system (RDS) is a service of FM stations that considerably facilitates the finding of the desired station and its fault-free reception.
Advantages of RDS

- On the display, the programme name of the station appears instead of its frequency.
- During a station search, the Infotainment system tunes in to RDS stations only.
- The Infotainment system always tunes into the best receivable broadcasting frequency of the set station by means of AF (alternative frequency).
- Depending on the station that is received, the Infotainment system displays radio text that can contain e.g. information on the current programme.

RDS configuration

Touch Menu in the FM radio main menu to open the corresponding waveband-specific submenu.
Scroll to RDS.
Activate or deactivate RDS.

Traffic Programme

Radio traffic service stations are RDS stations that broadcast traffic news. If the traffic service is switched on, the currently playing audio source is interrupted for the duration of the traffic announcement.

Activating the traffic programme function
Select Menu in the FM radio main menu to open the corresponding waveband-specific submenu.
Touch the screen button next to Traffic Programme to activate or deactivate the function.

Note
In the station list, TP is displayed next to the stations providing a traffic programme.
If the radio traffic service is activated, [TP] is shown in the top line of all main menus. If the current station is not a radio traffic service station, TP is greyed-out and a search is started automatically for the next radio traffic service station. As soon as a radio traffic service station is found, TP is highlighted. If no radio traffic service station is found, TP remains greyed-out.
If a traffic announcement is broadcast on the respective station, a message is displayed.
To interrupt the announcement and return to the function previously activated, touch the screen or press .

Regionalisation

Sometimes RDS stations broadcast regionally different programmes on different frequencies.
Select Menu in the FM radio main menu to open the corresponding waveband-specific submenu and scroll to Region.
Activate or deactivate Region.
If regionalisation is activated, alternative frequencies with the same regional programmes are selected where necessary. If regionalisation is switched off, alternative frequencies of the stations are selected without regard to regional programmes.
Digital audio broadcasting

Digital audio broadcasting (DAB) broadcasts radio stations digitally. DAB stations are indicated by the programme name instead of the broadcasting frequency.

General information

- With DAB, several radio programmes (services) can be broadcast on a single ensemble.
- Besides high-quality digital audio services, DAB is also able to transmit programme-associated data and a multitude of other data services including travel and traffic information.
- As long as a given DAB receiver can pick up the signal sent out by a broadcasting station (even if the signal is very weak), sound reproduction is ensured.
- In the event of poor reception, the volume is reduced automatically to avoid the output of disagreeable noises.

If the DAB signal is too weak to be picked up by the receiver, reception is interrupted completely. This incident can be avoided by activating DAB-DAB Linking or DAB-FM Linking in the DAB menu (see below).

- Interference caused by stations that are on nearby frequencies (a phenomenon that is typical of AM and FM reception) does not occur with DAB.
- If the DAB signal is reflected by natural obstacles or buildings, the reception quality of DAB is improved, whereas AM or FM reception is considerably impaired in such cases.
- When DAB reception is enabled, the FM tuner of the Infotainment system remains active in the background and continually searches for the FM stations with the best reception. If TP 307 is activated, traffic announcements of the FM station with the best reception are issued. Deactivate TP if DAB reception should not be interrupted by FM traffic announcements.

DAB Announcements

Besides their music programmes, a lot of DAB stations also broadcast announcements of various categories. If you activate some or all categories, the currently received DAB service is interrupted when an announcement of these categories is made.

Select Menu in the DAB radio main menu to open the corresponding waveband-specific submenu.

Scroll through the list and select DAB Announcements to display a list of the categories available.

Activate all or just the desired announcement categories. Different announcement categories can be selected at the same time.

DAB-DAB Linking

If this function is activated, the device switches over to the same service (programme) on another DAB ensemble (if available) when the DAB signal is too weak to be picked up by the receiver.
Select **Menu** in the DAB radio main menu to open the corresponding waveband-specific submenu.

Scroll through the list and activate or deactivate **DAB-DAB Linking**.

**DAB-FM Linking**

This function enables switching from a DAB station to a corresponding FM station and vice versa.

If this function is activated, the device switches over to a corresponding FM station of the active DAB service (if available) when the DAB signal is too weak to be picked up by the receiver.

Scroll through the list and activate or deactivate **DAB-FM Linking**.

**L Band**

With this function, you may define which DAB wavebands are to be received by the Infotainment system.

L Band (earth and satellite radio) is another radio band that can be received additionally.

Select **Menu** in the DAB radio main menu to open the corresponding waveband-specific submenu.

Scroll through the list and activate or deactivate **L Band**.

**Intellitext**

The **Intellitext** function allows the reception of additional information such as financial information, sports, news etc.

**Note**

The content available depends on the station and region.

Select **Menu** in the DAB radio main menu to open the corresponding waveband-specific submenu.

Scroll through the list and select **Intellitext**.

Select one of the categories and choose a specific item to display detailed information.

**EPG**

The Electronic Programme Guide provides information on the current and upcoming programme of the respective DAB station.

Select **Menu** in the DAB radio main menu and then select **Station List**.

To display the programme of the desired station, touch the icon next to the station.
External devices

General information
A USB port for the connection of external devices is located in the centre console.

Note
The USB port must always be kept clean and dry.

USB port
An MP3 player, USB device, SD card (via USB connector / adapter) or smartphone can be connected to the USB port.
Up to two USB devices can be connected to the Infotainment system at a time.

Note
For the connection of two USB devices, an external USB hub is required.

The Infotainment system can play audio files, show picture files or play movie files contained in USB devices.

When connected to the USB port, various functions of the devices mentioned above can be operated via the controls and menus of the Infotainment system.

Note
Not all auxiliary devices are supported by the Infotainment system. Check the compatibility list on our website.

Connecting / disconnecting a device
Connect one of the devices mentioned above to the USB port. If required, use the appropriate connection cable. The music function starts automatically.

Note
If a non-readable USB device is connected, a corresponding error message appears and the Infotainment system automatically switches to the previous function.

To disconnect the USB device, select another function and then remove the USB device.
External devices

Caution
Avoid disconnecting the device during playback. This may damage the device or the Infotainment system.

USB Auto Launch
By default, the USB audio menu is displayed automatically as soon as a USB device is connected.
If desired, this function can be deactivated.
Press and then select Settings to open the settings menu.
Select Radio, scroll to USB Auto Launch and touch the screen button next to the function.
To reactivate the function, touch the screen button again.

Bluetooth
Devices which support the Bluetooth music profiles A2DP and AVRCP can be connected wirelessly to the Infotainment system. The Infotainment system can play music files contained in these devices.

Connecting a device
For a detailed description on how to establish a Bluetooth connection 135.

File formats and folders
The maximum capacity of a device supported by the Infotainment system amounts to 2500 music files, 2500 picture files, 250 movie files, 2500 folders and 10 stages of folder structure. Only devices formatted in the FAT16 / FAT32 file system are supported.
If there are images included in the audio metadata, these images are displayed on the screen.

Note
Some files may not be played properly. This may be due to a different recording format or the condition of the file.
Files from online shops to which Digital Rights Management (DRM) has been applied cannot be played.

Audio files
The playable audio file formats are MP3 (MPEG-1 Layer 3, MPEG-2 Layer 3), WMA, AAC, AAC+, ALAC OGG WAF (PCM), AIFF, 3GPP (audio only), Audio Books and LPCM. iPod® and iPhone® devices play ALAC, AIFF, Audio Books and LPCM.
When playing a file with ID3 tag information, the Infotainment system can display information, e.g. on the track title and artist.

Picture files
The displayable picture file formats are JPG, JPEG, BMP, PNG and GIF.
JPG files must be 64 to 5000 pixels in width and 64 to 5000 pixels in height.
BMP, PNG and GIF files must be 64 to 1024 pixels in width and 64 to 1024 pixels in height.
The pictures should not exceed a file size of 1MB.

Movie files
The playable movie file formats are AVI and MP4.
The maximum resolution is 1280 x 720 pixels. The frame rate must be less than 30 fps. The usable codec is H.264/MPEG-4 AVC. The playable audio formats are MP3, AC3, AAC and WMA. The displayable subtitle format is SMI.

### Playing audio

#### Activating the music function

If the device is not yet connected to the Infotainment system, connect the device 111. Usually, the respective audio main menu is displayed automatically. If playback is not started automatically, e.g. if USB Auto Launch is deactivated 111, take the following steps:

- Press 🎧 and then select Audio to open the audio main menu last selected.

Select Source in the interaction selector bar and then select the desired audio source to open the respective audio main menu. Playback of the audio tracks starts automatically.

![Audio Interface](image)

#### Function buttons

- **Interrupting and resuming playback**: Touch ✸ to interrupt playback. The screen button changes to ➤. Touch ➤ to resume playback.

- **Playing the next or previous track**: Touch ➤ to play the next track.

- **Returning to the beginning of the current track**: Touch ✸ after two seconds of the track playing.

- **Fast forwarding and rewinding**: Touch and hold ✸ or ➤. Release to return to normal playback mode. Alternatively, you can move the slider showing the current track position to the left or right.

- **Playing tracks randomly**: Touch ✹ to play the tracks in random order. The screen button changes to ✹. Touch ✹ again to deactivate the shuffle function and go back to the normal playback mode.

- **Browse Music function**: To display the browse screen, touch the screen. Alternatively, select Menu in the audio main screen to display the respective audio menu and then select Browse Music.
External devices

Different categories, in which the tracks are sorted, are displayed, e.g. Playlists, Artists, or Albums.

Select the desired category, subcategory (if available) and then choose a track.
Select the track to start playback.

Displaying pictures
You can view pictures from a USB device.

Note
For your safety, some features are disabled while driving.

Activating the picture function
If the device is not yet connected to the Infotainment system, connect the device 111.
Press and then select Gallery to open the media main menu.
Touch to open the picture main menu to display a list of items stored on the USB device. Select the desired picture. If this is stored within a folder, select the respective folder first.

Touch the screen to hide the menu bar. Touch the screen again to redisplay the menu bar.

Function buttons

Full screen mode
Select to display the picture in full screen mode. Touch the screen to exit full screen mode.

Viewing the next or previous picture
Touch or swipe to the left to view the next picture
Touch or swipe to the right to view the previous picture.

Rotating a picture
Select to rotate the picture.

Zoom in on a picture
Touch once or several times to zoom in on a picture or to return to its original size.

Viewing a slide show
Select to view the pictures stored on the USB device in a slide show.
Touch the screen to end the slide show.
External devices

Picture menu
Select Menu in the bottom line of the screen to display the Picture Menu.

Slide show time
Select Slide Show Time to display a list of possible time sequences and select the desired time sequence.

Clock and temperature display
To display time and temperature in full screen mode, activate Clock. Temp. Display.

Display settings
Select Display Settings to open a submenu for the adjustment of brightness and contrast. Touch + or - to adjust the settings.

Playing movies
You can view movies from a USB device.

Note
For your safety, the movie function is not available while driving.

Activating the movie function
If the device is not yet connected to the Infotainment system, connect the device 111.
Press  and then select Gallery to open the media main menu.
Touch  to open the movie main menu to display a list of items stored on the USB device. Select the desired movie. If this is stored within a folder, select the respective folder first.
The movie is shown.

Function buttons
Full screen
Select  to display the movie in full screen mode. Touch the screen to exit full screen mode.

Interrupting and resuming playback
Touch  to interrupt playback. The screen button changes to .
Touch  to resume playback.

Playing the next or previous track
Touch  to play the next movie file.
Touch  within the first five seconds of the movie playing to return to the previous movie file.
External devices

Returning to the beginning of the current movie
Touch ▪ after five seconds of the movie playing.

Fast forwarding and rewinding
Touch and hold ▪ or ▶. Release to return to normal playback mode.

Movie menu
Select Menu in the bottom line of the screen to display the Movie Menu.

Display settings
Select Display Settings to open a submenu for adjustment of brightness and contrast.
Touch + or - to adjust the settings.

Using smartphone applications

Phone projection
The phone projection applications Apple CarPlay™ and Android™ Auto display selected apps from your smartphone on the Info Display and allow their operation directly via the Infotainment controls.
Check with the device's manufacturer if this function is compatible with your smartphone and if this application is available in the country you are in.

Preparation of the smartphone
Android phone: Download the Android Auto app to your smartphone from the Google Play™ Store.
iPhone: Make sure Siri® is activated on your smartphone.

Activating phone projection in the settings menu
Press ⊙ to display the home screen and then select Settings.
Scroll through the list to Apple CarPlay or Android Auto.
Make sure the respective application is activated.

Connecting the mobile phone
Connect the smartphone to the USB port 111.

Starting phone projection
To start the phone projection function, press ⊙ and then select Projection.

Note
If the application is recognised by the Infotainment system, the application icon may change to Apple CarPlay or Android Auto.
To start the function, you can alternatively press and hold ⊙ for a few seconds.
The phone projection screen displayed depends on your smartphone and software version.
Returning to the home screen
Press 🏐.

BringGo
BringGo is a navigation app providing location search, map display and route guidance.

Note
Before downloading the app, check whether BringGo is available in your vehicle.

Downloading the app
Before BringGo can be operated using the controls and menus of the Infotainment system, the respective application must be installed on the smartphone.
Download the app from App Store® or Google Play Store.

Activating BringGo in the settings menu
Press 🏐 to display the home screen and then select Settings.
Scroll through the list to BringGo.
Make sure the application is activated.

Connecting the mobile phone
Connect the smartphone to the USB port 🖼 111.

Starting BringGo
To start the app, press 🏐 and then select the Nav icon.
The main menu of the application is shown on the Info Display.
For further information on how to operate the app, see the instructions on the manufacturer's website.
Navigation

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General information
This chapter is about the embedded navigation system of Navi 4.0 IntelliLink.
The current traffic situation is taken into account in the route calculation. For this purpose, the Infotainment system receives traffic announcements in the current reception area via RDS-TMC. The navigation system cannot, however, take into account traffic incidents, traffic regulations changed at short notice and hazards or problems that arise suddenly (e.g. road works).

Caution
The usage of the navigation system does not release the driver from the responsibility for a correct, vigilant attitude in road traffic. The relevant traffic regulations must always be followed. If a navigation instruction contradicts traffic regulations, the traffic regulations always apply.

Functioning of the navigation system
The position and movement of the vehicle are detected by the navigation system using sensors. The travelled distance is determined by the vehicle’s speedometer signal, turning movements on bends by a sensor. The position is determined by the GPS (Global Positioning System) satellites.

By comparing the sensor signals with the digital maps, it is possible to determine the position with an accuracy of approx. 10 metres.

The system will also work with poor GPS reception. However, the accuracy of the determination of the position will be reduced.

After the entry of the destination address or point of interest (nearest petrol station, hotel, etc.), the route is calculated from the current location to the destination selected.

Route guidance is provided by voice output and an arrow, as well as with the aid of a multi-colour map display.
Important information

TMC traffic information system and dynamic route guidance
The TMC traffic information system receives all current traffic information from TMC radio stations. This information is included in the calculation of the overall route. During this process, the route is planned so that traffic problems related to pre-selected criteria are avoided.

If there is a traffic problem during active route guidance, depending on the pre-settings, a message appears as to whether the route should be changed.

TMC traffic information is displayed in the map display as symbols or as detailed text on the TMC messages menu.

To be able to use TMC traffic information, the system must receive TMC stations in the relevant region.

The TMC traffic stations can be selected in the navigation menu ◇ 119.

Map data
All required map data is stored within the Infotainment system.

To update the navigation map data, purchase new data at the Opel Dealer or on our home page http://opel.navigation.com/. You are provided with a USB device containing the update.

Connect the USB device to the USB port and follow the instructions on the screen. The vehicle must be turned on during the update process.

Note
The vehicle remains operational during the update process. If the vehicle is turned off, the update can be paused. The navigation application, Bluetooth and other external devices are unavailable until the update process is finished.

Usage
To display the navigation map, press ◆ and then select the Navigation icon.

Route guidance not active

- The map view is displayed.
- The current location is indicated by a circle with an arrow pointing into the direction of travel.
- The name of the street you are currently in is displayed on the bottom of the screen.
Route guidance active

- The map view is displayed.
- The active route is indicated by a coloured line.
- The moving vehicle is marked by a circle with an arrow pointing into the direction of travel.
- The next turning manoeuvre is indicated in the separate field on the left side of the screen.
- The arrival time or travel time is shown above the arrow symbol.
- The remaining distance to the destination is displayed above the arrow symbol.

Map manipulation

Scrolling
To scroll the map, place your finger anywhere on the screen and move it up, down, left or right depending on the direction in which you want to scroll.
The map moves accordingly displaying a new section.
To return to the current location, select Re-centre on the bottom of the screen.

Centring
Touch and hold the desired location on the screen. The map centres around this location.
A red ● is displayed at the respective location and the corresponding address is shown on a label.

Zooming
To zoom in on a selected map location, place two fingers on the screen and move them away from each other.
Alternatively, use + on the map screen.
To zoom out and display a larger area around the selected location, place two fingers on the screen and move them towards each other.
Alternatively, use – on the map screen.
Cancel screen button
During active route guidance, a Cancel screen button is displayed on the left side of the screen.
To cancel the active route guidance session, select Cancel.
For a few seconds, a Resume Trip screen button is displayed on the map screen. Select Resume Trip to restart the cancelled guidance session.

Overview screen button
During active route guidance, an Overview screen button is displayed on the left side of the screen.
To display an overview of the route currently active, select Overview. The map changes to the desired route overview.
To return to the normal view, select Overview again.

★ screen button
If route guidance is active and you are on a highway, an additional ★ screen button is displayed on the bottom of the map.
Select ★ to display a list of the next upcoming service stations.

When selecting a desired exit, you can access points of interest in the respective area and start route guidance to some of these locations 124.

× screen button
In a menu or submenu, select × to directly return to the map.

Current location
Select the street name on the bottom of the screen. Information on the current location is displayed.

To save the current location as favourite, select Favourite. The ★ icon is filled and the location is saved in the favourites list.

Map settings
Map view
Three different map views are available for selection.
Select ☰ on the map screen and then repeatedly select the map view screen button to toggle between the options.
Depending on the former setting, the screen button is labelled **3D Head Up**, **2D Head Up** or **2D North Up**. The map view changes according to the screen button.

Select the desired option.

**Map colours**

Depending on the external lighting conditions, the colouring of the map screen (light colours for the day and dark colours for the night) can be adapted.

Select ☞ on the map screen to display the **Options** menu. Select **Navigation Settings** and then **Map colours**.

The default setting is **Auto**. When **Auto** is activated, the screen adjusts automatically.

Alternatively, activate **Day (light)** or **Night (dark)** for an only light or only dark screen.

**Autozoom function**

If the autozoom function is activated (default setting), the zoom level changes automatically when approaching a turning manoeuvre during active route guidance. This way, you always get a good overview of the respective manoeuvre.

If the autozoom function is deactivated, the selected zoom level remains the same during the whole route guidance process.

To deactivate the function, select ☞ on the map to display the **Options** menu. Select **Navigation Settings** and then touch the slider bar next to **Auto Zoom**.

Touch the screen button again to reactivate the function.

**POI (Points of Interest) icons on the map**

POIs are points of general interest, e.g. gas stations or restaurants.

The display of POI categories shown on the map may be personally adapted.

Select ☞ on the map to display the **Options** menu. Select **Navigation Settings** and then **Show on map**. Activate the desired POI categories.

**Traffic events on the map**

Traffic events may be directly indicated on the map.

To activate the function, select ☞ on the map to display the **Options** menu. Select **Traffic on Map**. The screen button changes to activation mode.

To deactivate the function, select **Traffic on Map** again.

**Time indication**

The time indication during active route guidance may be displayed in two different modes: the remaining time (until the destination will be reached) or the arrival time (when the destination will be reached).
Select on the map to display the Options menu. Select Navigation Settings and then Time to Destination Format.

Activate the desired option in the submenu.

Note
During active route guidance, the time indication can be changed by simply tapping on the time indication field on the screen.

Alert preferences
If desired, you may receive an additional notification in specific traffic zones.

Select on the map to display the Options menu. Select Navigation Settings and then Alert Preferences.

If Safety camera is activated, you are warned when approaching a stationary speed camera.

Note
This function is only available if such an alert system corresponds to the legal provisions applicable in the country you are in.

Activate the desired option.

Voice guidance
The route guidance process can be supported by voice prompts given out by the system.

Note
The navigation voice prompts function is not supported for all languages. If there are no voice prompts available, the system automatically plays a tone to indicate a manoeuvre ahead.

Activation
The voice guidance function is activated by default. To deactivate the function, select on the map to display the Options menu and then touch Voice Guidance. The screen button changes.

Select the screen button again to reactivate the function.

Voice guidance settings
To define which system outputs may assist during active route guidance, select on the map, Navigation Settings and then Voice Guidance.

If Normal voice guidance is activated, a voice announces the next turning manoeuvre to be taken.

If Beep only is activated, only beep tones are given out for notification.

In the submenu of Prompts during Phone Call, the possible voice outputs during a phone call can be set.

Activate the desired options.

Note
Voice guidance prompts are only given out if Voice Guidance is activated in the Options menu, see above.

Information
Select on the map to display the Options menu. Select Navigation Settings and then About.

The texts of the manufacturer’s terms and conditions or privacy statement can be accessed via the respective menu items.

The navigation map version is displayed.
Destination input
The navigation application provides different options to set a destination for route guidance.

Destination input via map
It is possible to directly enter destinations from the map screen.

Personal addresses on the map
You can predefine two address shortcuts (e.g. Home and Work) to easily start route guidance to these two places. The addresses can be defined in the settings menu and be labelled individually. Then, they can be directly selected from the map.

To save the addresses, select 📍 on the map, Navigation Settings and then Set up My Places.
Select one of the menu items (Home and Work by default). Use the keyboard to enter the required data in the address field. For a detailed description of the keyboard, see below.

To change the name of the personal address, select 📊 to hide the keyboard and select one of the items in the list. Alternatively, enter a new name in the first entry field.

If necessary, tap within one of the entry fields to redisplay the keyboard and select Done. The location is saved as shortcut.

To start route guidance to one of these locations, select the = screen button on the map. The two destinations are displayed.
Select one of the screen buttons. The Routes menu is displayed.
Activate the desired route and then select Go to start route guidance.

Keyboard entry
Select ½ on the map to display the destination search menu.
You can directly enter a search word e.g. address, POI category or name, phone contact, favourite, recent destination or coordinates in the entry field on top of the search menu screen.

**Note**

Coordinates have to be entered in the following way: latitude, longitude e.g. "43.3456, 9.432435".

Alternatively, select Address, POI or Junction to use a search mask. If required, touch > to scroll the page.

To access the number and symbol keyboard, select 123. Select ABC at the same position on the keyboard to return to the letter keyboard.

To enter a character, touch the respective screen button. The character is entered upon release.

Touch and hold a letter screen button to display associated letters in a letter pop-up menu. Release and then select the desired letter.

To enter capital letters, select ⌈ and then the desired character.

To delete a character, select X. To delete the whole entry, select the tiny X within the entry field.

As soon as characters are entered, the system makes search word suggestions. Every additional character is considered in the matching process.

If desired, select one of the search words suggested. When the entry fields are filled out, select Search on the keyboard. The Results menu is displayed.

Select the desired destination. The Details menu is displayed. Select Go to start route guidance.

Considering the letters entered, the system also creates a list of probable destinations assembled from phone contacts, POIs, addresses, recent destinations and favourites. Touch on the bottom of the screen to hide the keyboard and gain access to the list.
To redisplay the keyboard, tap within the entry field.

If desired, select a destination from the list. The Details menu is displayed. Select Go to start route guidance.

Lists with selectable destinations

To access the lists, select  on the map and, if required, touch ▶ to scroll the page.

Select one of the options:

- **Recent**: list of destinations recently used
- **Favourites**: list of destinations stored as favourites
- **Contacts**: list of addresses stored in the phone book of the mobile phone currently connected via Bluetooth

To choose a destination from one of the lists, scroll through the respective list and select the desired destination. The Details menu is displayed. Select Go to start route guidance.

**Recent destinations**

The recent destinations list is automatically filled with destinations used in route guidance.

The addresses in the recent destinations list can be stored as favourites. Enter the recent destinations list, select : next to the desired address to display additional function buttons and then select ⭐. If the icon is filled, the address is saved in the favourites list.

Addresses can be deleted from the recent destinations list. Enter the recent destinations list, select : next to the desired address and then select ₨ to delete the respective address.

**Favourites**

Favourites can be added when a ⭐ icon is displayed next to an address. When the star icon is filled, the respective address is stored as a favourite.

The position of a favourite in the list can be changed. Enter the favourites list, select : next to the desired favourite to display additional function buttons and then select ▼ or ▲. The name of a favourite can be changed. Enter the favourites list, select : next to the desired favourite to display additional function buttons and then select ✓. A keyboard is displayed. Enter the desired name and then select Done.

Favourites can be deleted. Enter the favourites list, select : next to the desired favourite to display additional function buttons and then select ⬇. The favourite is deactivated (unfilled star). If you select the icon again, the favourite is reactivated (filled star).

When leaving the favourites list while favourites are deactivated, they are deleted from the list.

**Contacts**

You can search for addresses within the list by using the keyboard. Enter the first letters of the word (name or
address) you want to search for. All entries containing a word starting with these letters are displayed. For a detailed description of the keyboard, see above.

Category search
POIs can also be searched by categories. Select Q on the map and then select POI.

Note
If desired, set the location around which you want to search for POIs via keyboard entry in the second entry field (default setting: Nearby) and then use the category search menu.

If required, scroll to the desired page and then select one of the main categories in the menu. Depending on the category selected, different subcategories may be available.

Navigate through the subcategories until you reach the Results list. Select the desired POI. The Details menu is displayed. Select Go to start route guidance.

Results list
In the Results list, different possible destinations are listed.

If route guidance is active, two different tabs are available.
Choose between the tabs:

- **Along Route**: possible destinations along the route currently active
- **At Destination**: possible destinations around the destination of the route

The list can be sorted in two different ways. Select 📅 in the top right corner of the screen and activate the desired option.

If you activate sorting by relevance, the system tries to give you the best match according to your search term.

If you activate sorting by distance, the system arrange the destinations according to their distance to your current location.

**Details menu**

After a destination has been selected, the Details menu is displayed.

**Storing favourites**

To store the respective destination as a favourite, activate Favourite (filled star: favourite saved, unfilled star: favourite not saved).

The destination is stored as a favourite and may then be accessed via the favourites list.

**Initiating a phone call**

In some cases, e.g. when a POI has been selected, a phone number might be available for the respective destination. To call this phone number, select 📞.

**Setting the route**

In case the system finds more than one possible route, you can choose between the routes suggested.

Select Routes to display a list of all routes detected by the system. Activate the desired route and then select Go to start route guidance.

**Routes with several destinations**

After route guidance has been started, it is possible to add destinations to the active route, e.g. to pick up a friend on the way or stop at a gas station.

**Note**

Up to five destinations can be combined in one route.

Start route guidance to the desired destination.

To add another destination, select 📍 on the map and then select Add Destination. The destination search menu is displayed.

Navigate to the desired destination. The Details menu is displayed. Select Add.
Note
If you select Go, route guidance to the destination first selected is stopped and route guidance to the new destination is started.

The destinations are arranged in the order in which they are entered while the last destination added is the first you are guided to. In order to check or confirm while driving, the name of the next destination is displayed above the arrival time and distance.

The order of the destinations can be changed 129.

Guidance
Route guidance is provided by the navigation system through visual instructions and voice prompts (voice guidance).

Visual instructions
Visual instructions are provided on the display.

Starting and cancelling route guidance
To start route guidance, select Go in the Details menu after a destination has been selected 124.
To cancel route guidance, select Cancel on the left side of the screen 119.

Destinations list
The Destinations list contains all destinations belonging to the route currently active.

Touch  within the time and distance field. The Destinations list is displayed.

Note
When route guidance is active and you are not within the navigation application, turning manoeuvres are indicated by pop-up messages displayed on top of the screen.

Voice guidance
Navigation voice prompts announce which direction to follow, when approaching an intersection at which you need to turn.
To activate the voice prompts function 119.
Touch the big turn arrow on the left side of the screen to replay the last voice guidance instruction.
In case a phone number is available, select ☑ to start a phone call.
To change the order of the destinations, select ⇧ in the field of the destination whose position is to be changed. The order is rearranged and the destination selected is set at the first position.
To delete a destination from the route, select ⌂ in the field of the respective destination. The destination is deleted and the route is rearranged.

Turn list
The next turning manoeuvre is displayed on the left side of the screen.
Select ☒ underneath the manoeuvre indication to display the turn list. The turn list contains all upcoming turns on the active route.

To display a turning manoeuvre on the map, scroll through the list and touch the desired manoeuvre. The map jumps to the respective location on the map.
To avoid a route section, select ⬇ next to the respective turning manoeuvre. A ⚫ symbol is displayed.
To recalculate the route without the respective route section, select ⬇. The route is changed.
Select the first turning manoeuvre in the list to return to the normal navigation map screen.

Traffic settings
There are different options available concerning traffic events.

Traffic list
The traffic list contains all traffic events detected by the system.
To access the traffic list, select ☑ on the map and then Traffic List. The list is displayed.
If route guidance is active, choose between the tabs:

- **Along Route**: traffic events along the active route
- **Nearby**: traffic events close to the current location of the vehicle

**Traffic events**
If required, scroll to the desired traffic event.
To display additional information, select the respective traffic event.

**List sorting**
The nearby list can be organised in two different ways.
To change the sorting order, select \[\] in the top right corner of the screen. The Traffic Events Sorting menu is displayed.
Activate the desired option.

**Traffic station**
The traffic message channel providing the traffic information can be personally set, if desired.
Select \[\] on the map to display the Options menu. Select Navigation Settings and then Traffic Resource.

A list of all traffic stations currently available is displayed.
By default, Auto is activated. The station is adapted automatically by the system.
If you want the traffic information to be taken from a specific station, activate the respective station.

**Traffic avoidance function**
Traffic events are taken into consideration when the system determines a route to a destination.
During active route guidance, the route can be modified according to incoming traffic messages.
To set the parameters for these modifications, select \[\] on the map to display the Options menu. Select Navigation Settings, Routing options and then Auto-Reroute to Avoid Traffic.
If you want the system to automatically modify the route according to new traffic messages, activate Automatically reroute.

If you want to be consulted when a route is modified, activate Always ask.
If you do not want routes to be modified, activate Never.

**Route settings**
Parameters for road and route selection can be set.

**Road types**
If desired, certain road types can be avoided.
Select \[\] on the map to display the Options menu. Select Avoid on Route and then activate the road types you want to be avoided.

**Note**
If route guidance is active when changing the road settings, the route is recalculated according to the new settings.

**Route type**
To set the route type, select \[\] on the map to display the Options menu. Select Navigation Settings, Routing options and then Route type.
Activate the desired option:

- **Fastest** for the fastest route
- **Eco-friendly** for a route that allows ecologically friendly driving
Speech recognition

General information
The voice pass-thru application of the Infotainment system allows access to the speech recognition commands on your smartphone. See your smartphone manufacturer's operating instructions to find out whether your smartphone supports this feature.
In order to use the voice pass-thru application, the smartphone must be connected to the Infotainment system via USB cable or via Bluetooth.

Usage
Activating speech recognition
Press and hold on the control panel or on the steering wheel to start a speech recognition session. A voice command message is displayed on the screen.
As soon as a beep is heard, you can say a command. For information on the commands supported, see the operating instructions of your smartphone.

Adjusting the volume of voice prompts
Turn on the control panel or press + / - on the right side of the steering wheel to increase or decrease the volume of voice prompts.

Deactivating speech recognition
Press on the steering wheel. The voice command message disappears and the speech recognition session is ended.
Phone

General information

The phone function provides you with the possibility of having mobile phone conversations via a vehicle microphone and the vehicle loudspeakers as well as operating the most important mobile phone functions via the Infotainment system in the vehicle. To be able to use the phone function, the mobile phone must be connected to the Infotainment system via Bluetooth.

Not all phone functions are supported by every mobile phone. The usable phone functions depend on the relevant mobile phone and network provider. You can find further information on this in the operating instructions of your mobile phone, or you can enquire about them with your network provider.

Important information for operation and traffic safety

⚠️ Warning

Mobile phones have effects on your environment. For this reason safety regulations and directions have been prepared. You should be familiar with the related directions before you use the telephone function.

⚠️ Warning

Use of the hands-free facility while driving can be dangerous because your concentration is reduced when telephoning. Park your vehicle before you use the hands-free facility. Follow the stipulations of the country in which you find yourself at present.

Do not forget to follow the special regulations that apply in specific areas and always switch off the mobile phone if the use of mobile phones is prohibited, if...
interference is caused by the mobile phone or if dangerous situations can occur.

**Bluetooth**

The phone function is certified by the Bluetooth Special Interest Group (SIG).


**Bluetooth connection**

Bluetooth is a radio standard for the wireless connection of e.g. mobile phones, smartphones or other devices.

The pairing and connecting of the Bluetooth devices to the Infotainment system are carried out via the Bluetooth menu. Pairing is the PIN code exchange between the Bluetooth device and the Infotainment system.

**Bluetooth menu**

Press ⊗ and then select Settings.

Select **Bluetooth** to display the Bluetooth menu.

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**Pairing a device**

**Important information**

- Up to ten devices can be paired to the system.
- Only one paired device can be connected to the Infotainment system at a time.
- Pairing only needs to be carried out once, unless the device is deleted from the list of paired devices. If the device has been connected previously, the Infotainment system establishes the connection automatically.
- Bluetooth operation considerably drains the device’s battery. Therefore, connect the device to the USB port for charging.

**Pairing a new device**

1. Activate the Bluetooth function of the Bluetooth device. For further information, see the operating instructions of the Bluetooth device.
2. Press ⊗ and then select **Settings** on the display. Select **Bluetooth** and then **Device Management** to display the respective menu.
If no phone is connected, the Device Management menu can also be accessed via the phone menu: Press and then select Phone.

3. Touch Search Device. All discoverable Bluetooth devices in the environment are displayed in a new search list.

4. Touch the Bluetooth device you wish to pair.

5. Confirm the pairing procedure:
   - If SSP (secure simple pairing) is supported:
     On the Infotainment system: an Info message is displayed asking you to enter a PIN code on your Bluetooth device.
     On the Bluetooth device: enter the PIN code and confirm your input.

6. The Infotainment system and the device are paired.

**Note**
If the Bluetooth device is successfully paired, next to the Bluetooth device indicates that the phone function is enabled and indicates that the Bluetooth music function is enabled.

7. The phone book is downloaded automatically to the Infotainment system. Depending on the phone, the Infotainment system must be allowed access to the phone book. If required, confirm the messages displayed on the Bluetooth device.
   - If this function is not supported by the Bluetooth device, a corresponding message is displayed.

**Changing the Bluetooth PIN code**
Press and then select Settings.
Select Bluetooth and then Change Pairing PIN to display the respective submenu. A keypad is displayed.
Enter the desired four-digit PIN code.
To delete an entered number, select ⇐.
Confirm your input by selecting Enter.

**Connecting a paired device**
Press and then select Settings.
Select Bluetooth and then Device Management to display the respective menu.
Select the Bluetooth device you wish to connect. The device is connected.

**Note**
The connected device and the available options are highlighted.
Disconnecting a device
Press \ and then select Settings. Select Bluetooth and then Device Management to display the respective menu. Select the Bluetooth device currently connected. You are prompted with a message. Select Yes to disconnect the device.

Deleting a device
Press \ and then select Settings. Select Bluetooth and then Device Management to display the respective menu. Select next to the Bluetooth device. You are prompted with a message. Select Yes to delete the device.

Device info
Press \ and then select Settings. Select Bluetooth and then Device Information to display the respective menu.

The information displayed includes Device Name, Address, and PIN Code.

Emergency call

⚠️ Warning
Connection setup cannot be guaranteed in all situations. For this reason you should not rely exclusively on a mobile phone when a vitally important communication (e.g. a medical emergency) is concerned. In some networks it may be necessary for a valid SIM card to be properly inserted in the mobile phone.

⚠️ Warning
Bear in mind that you can make and receive calls with the mobile phone if it is in a service area with a sufficiently strong signal. Under certain circumstances, emergency calls cannot be made in all mobile phone networks; problems may occur when certain network services and / or telephone functions are active. You can enquire about this with the local network operators. The emergency call number can differ depending on the region and country. Please enquire beforehand about the correct emergency call number for the relevant region.

Making an emergency call
Dial the emergency call number (e.g. 112). The telephone connection to the emergency call centre is set up. Answer when the service personnel questions you about the emergency.

⚠️ Warning
Do not end the call until you are requested to do so by the emergency call centre.
Operation
As soon as a connection via Bluetooth has been set up between your mobile phone and the Infotainment system, you can operate many functions of your mobile phone via the Infotainment system.

Note
In the hands-free mode, mobile phone operation is still possible, e.g. taking a call or adjusting the volume.

After setup of a connection between the mobile phone and the Infotainment system, mobile phone data is transmitted to the Infotainment system. This can take some time depending on the mobile phone and the amount of data to be transferred. During this period, operation of the mobile phone via the Infotainment system is possible only to a limited extent.

Note
Not every mobile phone fully supports the phone function. Therefore, deviations from the range of functions described below are possible.

Phone main menu
Press \( \text{iever} \) and then select Phone to display the respective menu.

Note
The Phone main menu is only available if a mobile phone is connected to the Infotainment system via Bluetooth. For a detailed description 135.

Many functions of the mobile phone can now be controlled via the phone main menu (and associated submenus), and via the phone-specific controls on the steering wheel.

Initiating a phone call
Entering a phone number
Press \( \text{iever} \) and then select Phone.
Enter a telephone number using the keypad in the phone main menu.
To delete one or more entered characters, touch or touch and hold ✅.
Touch ✅ on the screen or press ✅ on the steering wheel to start dialling.

Using the phone book
Note
When pairing a mobile phone with the Infotainment system via Bluetooth, the phone book of the mobile phone is downloaded automatically 135.

Press \( \text{iever} \) and then select Phone.
Select Contacts in the phone main menu.
Note
The symbol next to a phone number indicates that the contact is stored on the SIM card.

Quick search
1. Select to display a list of all contacts.
2. Scroll through the list of contacts entries.
3. Touch the contact you wish to call. A menu with all phone numbers stored for the selected contact is displayed.
4. Select the desired phone number to initiate the call.

Search menu
If the phone book contains a large number of entries, you can search for the desired contact via the search menu.
Select in the Contacts menu to display the search tab.

The letters are organised in alphabetical groups on the screen buttons: abc, def, ghi, jkl, mno, pqrs, tuv, and wxyz.
Use to delete an entered group of letters.

For example: If the contact you wish to search for starts with 'g' select the ghi screen button. All contacts containing one of the letters on this button, in the example 'g', 'h', and 'i', are displayed.

2. Select the button containing the second letter of the contact you wish to search for.
3. Continue to enter more letters of the contact you wish to search for until the desired contact is displayed.
4. Touch the contact you wish to call. A menu with all phone numbers stored for the selected contact is displayed.
5. Select the desired phone number to initiate the call. The following screen is shown.
Contacts settings
The contacts list can be sorted by last name or first name.
Press 🎤 and then select Settings to display the respective menu.
Select Bluetooth and then Sort Order. Activate the desired option.

Using the call history
All incoming, outgoing, or missed calls are registered.
Press 🎤 and then select Phone.
Select Call History in the phone main menu.

Select ✆ for outgoing calls, 📞 for missed calls, 📞 for incoming calls and ✆ for all calls. The respective call list is displayed.
Select the desired entry to initiate a call.

Redialling a number
The last dialled phone number can be redialled.
Press 🎤 and then select Phone.
Select ✆ on the screen or press 🎤 on the steering wheel.

Using speed dial numbers
Speed dial numbers that are stored on the mobile phone can also be dialled using the keypad of the phone main menu.
Press 🎤 and then select Phone.
Touch and hold the respective digit on the keypad to initiate the call.

Incoming phone call
Taking a call
If an audio mode, e.g. the radio or USB mode, is active at the moment a call comes in, the audio source is muted and stays muted until the call ends.
A message with the caller's phone number or name (if available) is displayed.
To answer the call, select 📞 in the message or press 🅿️ on the steering wheel.

**Rejecting a call**
To reject the call, select 📷 in the message or press 🅸️ on the steering wheel.

**Changing the ring tone**
Press 📷 and then select Settings.
Select Bluetooth and then Ringtones to display the respective menu. A list of all paired devices is displayed.
Select the desired device. A list of all ringtones available for this device is displayed.

Select one of the ringtones.

**Functions during a call**
During an ongoing phone call, the phone main menu is displayed.

**Deactivating the hands-free mode temporarily**
To continue the conversation via the mobile phone, activate 📞.
To return to the hands-free mode, deactivate 📞.

**Deactivating the microphone temporarily**
To mute the microphone, activate 🅸️.

To reactivate the microphone, deactivate 🅸️.

**Ending a phone call**
Select 📷 to end the call.

**Voice mail box**
You may operate your voice mail box via the Infotainment system.

**Voice mail number**
Press 📷 and then select Settings.
Select Bluetooth. Scroll through the list and select Voice Mail Numbers.
A list of all paired devices is displayed.
Select the respective phone. A keypad is displayed.
Enter the voice mail number for the respective phone.

**Calling the voice mail box**
Press 📷 and then select Phone.
Select 📷 on the screen. The mail box is called.
Alternatively, enter the voice mail number via the phone keypad.
Mobile phones and CB radio equipment

Installation instructions and operating guidelines

The vehicle specific installation instructions and the operating guidelines of the mobile phone and hands-free manufacturer must be observed when installing and operating a mobile telephone. Failure to do so could invalidate the vehicle type approval (EU directive 95/54/EC).

Recommendations for fault-free operation:

- Professionally installed exterior antenna to obtain the maximum range possible
- Maximum transmission power 10 W
- Installation of the phone in a suitable spot, consider relevant Note in the Owner's Manual, section Airbag system.

Seek advice on predetermined installation points for the external antenna or equipment holder and ways of using devices with a transmission power exceeding 10 W. Use of a hands-free attachment without external antenna with mobile telephone standards GSM 900/1800/1900 and UMTS is only permitted if the maximum transmission power of the mobile telephone is 2 W for GSM 900 or 1 W for the other types.

For reasons of safety, do not use the phone while driving. Even use of a hands-free set can be a distraction while driving.

⚠️ Warning

Operation of radio equipment and mobile telephones which fail to meet above mentioned mobile telephone standards is only permitted using an antenna located outside of the vehicle.

Caution

Mobile telephones and radio equipment may lead to malfunctions in the vehicle electronics when operated inside the vehicle with no exterior antenna, unless the above mentioned regulations are observed.
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General information

The Infotainment system provides you with state-of-the-art in-car infotainment.

Using the FM, AM or DAB radio functions, you can register a large number of stations on different favourites pages.

You can connect external data storage devices to the Infotainment system as further audio sources; either via a cable or via Bluetooth.

The digital sound processor provides you with several preset equaliser modes for sound optimisation.

In addition, the Infotainment system is equipped with a Phone portal that allows comfortable and safe use of your mobile phone in the vehicle.

Optionally, the Infotainment system can be operated using the control panel or the controls on the steering wheel, or - if provided by your mobile phone - via speech recognition.

Note
This manual describes all options and features available for the various Infotainment systems.

Certain descriptions, including those for display and menu functions, may not apply to your vehicle due to model variant, country specifications, special equipment or accessories.

Important information on operation and traffic safety

⚠ Warning

Drive safely at all times when using the Infotainment system.

If in doubt, stop the vehicle before operating the Infotainment system.

Radio reception

Radio reception may be disrupted by static, noise, distortion or loss of reception due to:

- changes in distance from the transmitter
- multi-path reception due to reflection
- shadowing
Theft-deterrent feature

The Infotainment system is equipped with an electronic security system for the purpose of theft deterrence. The Infotainment system therefore functions only in your vehicle and is worthless to a thief.
Control elements overview

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Usage

Control elements

The Infotainment system is operated via function buttons, a MENU knob and menus that are shown on the display.

Inputs are made optionally via:
- the control panel on the Infotainment system 150
- audio controls on the steering wheel 150
- the speech recognition 166

Switching the Infotainment system on or off

Press briefly. After switching on, the last selected Infotainment source becomes active.

Press and hold again to switch the system off.

Automatic switch-off

If the Infotainment system is switched on by pressing while the ignition is switched off, it switches off again automatically after 10 minutes.
Setting the volume
Turn \( \odot \); the current setting is shown on the display.
When the Infotainment system is switched on, the last selected volume is set, provided that the volume is lower than the maximum start-up volume \( \odot 155 \).

Speed compensated volume
When Auto volume is activated \( \odot 155 \), the volume is adapted automatically to make up for the road and wind noises as you drive.

Mute function
Press \( \odot \) to mute the audio sources.
To cancel the mute function: turn \( \odot \).

Modes of operation
Radio
Press RADIO to open the radio main menu or to toggle between the different wavebands.
For a detailed description of the radio functions \( \odot 158 \).

External devices
Press MEDIA repeatedly to activate the playback mode for a connected external device (e.g. USB device, Bluetooth device).
For a detailed description on connecting and operating external devices \( \odot 163 \).

Phone
Press PHONE to establish a Bluetooth connection between the Infotainment system and a mobile phone.
If a connection can be established, the main menu of the phone mode is displayed.
For a detailed description of mobile phone operation via the Infotainment system \( \odot 170 \).
If no connection can be established, a corresponding menu is displayed.
For a detailed description of preparing and establishing a Bluetooth connection between the Infotainment system and a mobile phone \( \odot 168 \).
Basic operation

Control panel

**MENU knob**
The MENU knob is one of the central control elements for menu operation.

**Turn:**
- to select a screen button or menu item
- to scroll through a list of menu items
- to change a settings value

**Press:**
- to activate a selected screen button or menu item
- to confirm a changed settings value
- to switch to a different settings option
- to display the application-specific submenu

**Note**
In subsequent chapters, the operating steps for selecting and activating a screen button or menu item will be described as "...select <button name>/<item name>".

**BACK button**
When operating the menus, press BACK to return to the next higher menu level.

When entering digits, press BACK to delete the last character entered.

**Softkeys**
Press one of the softkeys to activate the favourite or function screen button displayed immediately above the respective softkey.

**Note**
In subsequent chapters, the operating steps for selecting and activating a screen button or menu item will be described as "...select <button name>/<item name>".

**Tone settings**
In the tone settings menu, the tone characteristics can be set differently for each audio source.
Press **MENU**, select **Settings** and then select **Tone Settings** to open the tone settings menu.

**Setting bass, midrange, and treble**

Scroll through the list and select **Bass**, **Midrange** or **Treble**. Adjust the setting and confirm.

**Setting the volume distribution between front and rear**

Scroll through the list and select **Fader**. Adjust the setting and confirm.

**Setting the volume distribution between right and left**

Scroll through the list and select **Balance**. Adjust the setting and confirm.

**Selecting a tone style**

Scroll through the list and select **EQ** (Equaliser).

The EQ options offer optimised bass, middle, and treble presets for the relevant style of music.

Turn **MENU** to toggle through the different options and then press **MENU** to confirm the setting.

**Volume settings**

**Adjusting the speed compensated volume**

Press **MENU** to open the respective audio menu. Scroll through the list and select **Settings**. Select **Auto Volume Control**. The **Auto Volume** function can be deactivated or the degree of volume adaptation can be selected in the menu displayed. Scroll through the list and select the desired option.

**Adjusting the maximum startup volume**

Press **MENU** to open the respective audio menu.

Scroll through the list and select **Settings**. Select **Maximum Startup Volume**. Set the desired value.

**Volume of traffic announcements**

To adjust the volume of traffic announcements, set the desired volume while a traffic announcement is given out by the system. The respective setting is stored by the system.

**System settings**

Various settings and adaptations for the Infotainment system can be performed via the settings menu.

**Time and date settings**

Press **MENU** to open the respective audio menu.
Select **Time and Date.**

**Set Time**
Select **Set Time** to enter the respective submenu.
Select **Auto Set** at the bottom of the screen. Activate either **On - RDS** or **Off (Manual).**
If **Off (Manual)** is selected, adjust hours and minutes.
Repeatedly select **12-24 HR** at the bottom of the screen to choose a time mode.
If the 12-hour mode is selected, a third column for AM and PM selection is displayed. Select the desired option.

**Set Date**
Select **Set Date** to enter the respective submenu.
Select **Auto Set** at the bottom of the screen. Activate either **On - RDS** or **Off (Manual).**
If **Off (Manual)** is selected, adjust the date settings.

**Language**
Press **MENU** to open the respective audio menu.
Select **Settings**, scroll through the list and select **Vehicle Settings.**
Select **Languages.**
Scroll through the list and select the desired language.

**Restore Factory Settings**
Press **MENU** to open the respective audio menu.
Select **Settings**, scroll through the list and select **Vehicle Settings.**
Select **Restore Factory Settings** to enter the respective submenu.
Select the desired option and confirm the message.

**Software Information**
The **Software Information** menu contains specific information on the software.
Press **MENU** to open the respective audio menu.

Select **Settings**, scroll through the list and select **Vehicle Settings.**
Select **Software Information.**

**Valet mode**
If valet mode is activated, all vehicle displays are locked and no changes may be performed within the system.

**Note**
Vehicle-related messages remain enabled.

**Locking the system**
Press **MENU** to open the respective audio menu.
Select **Settings**, scroll through the list and select **Vehicle Settings.**
Select **Valet Mode.** A keypad is displayed.
Enter a four-digit code and select **Enter.** The keypad is redisplayed.
To confirm the first input, reenter the four-digit code and select **Lock.** The system is locked.

**Unlocking the system**
Turn the Infotainment system on. A keypad is displayed.
Enter the respective four-digit code and select **Unlock**. The system is unlocked.

**Forgotten PIN code**
To reset the PIN code to the default setting, contact your workshop.
Radio

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Activating the radio function
Press RADIO.

Selecting the waveband
Repeatedly press RADIO on the control panel to toggle between the different wavebands.

Station search

Automatic station search
Press ▼ or ▶ to play the previous or next station.

Manual station search
Press and hold ▼ or ▶. Release the button when the required frequency has almost been reached.

Manual tuning
Press MENU to open the waveband menu and then select Manual Tuning.
Depending on the waveband selected, a list of all frequencies is displayed.
Select the desired frequency.

Station lists
Turn MENU to display a list of all stations currently receivable.
Scroll through the list and select the desired station.

Category lists
Numerous RDS 159 and DAB 160 stations broadcast a PTY code, which specifies the type of programme transmitted (e.g. news). Some stations also change the PTY code depending on the content which is currently transmitted.
The Infotainment system stores these stations, sorted by programme type in the corresponding category list.
Note
The **Categories** list item is only available for the FM and the DAB wavebands.

Press **MENU** to display the respective waveband menu and select **Categories**.
A list of programme type categories currently available is displayed.
Select the desired category. A list of stations is displayed transmitting a programme of the selected type.
Select the desired station.

**Updating the station lists**
Press **MENU** to open the waveband menu and select **Update Station List**.
The respective station list is updated.

Note
If a waveband-specific station list is updated, the corresponding category list is also updated.

**Favourite lists**
Stations of all wavebands can be stored manually in the favourite lists.

24 individual favourite locations are available, displayed in four favourites per favourites page.
To display the favourites list, select **FAV**.

24 individual favourite locations are available, displayed in four favourites per favourites page.
To display the favourites list, select **FAV**.

**Storing a station**
Set the station to be stored.
Select and hold the respective favourite screen button until a beeping sound is given out and the station name is displayed on the respective favourites screen button.
The station is stored as a favourite.

**Retrieving a station**
If necessary, repeatedly press **FAV** to scroll to the respective favourites page.
Select the desired favourite screen button. The respective radio station is played.

Note
The active favourite is highlighted.

**Defining the number of favourites shown**
Press **MENU**, scroll through the list and select **Set Number of Favourite Pages**.
Select the desired option.

Note
If the number of favourites stored exceeds the number of favourites activated in the settings menu, the additionally stored favourites are not deleted but just hidden from view. They may be reactivated by increasing the number of viewable favourites.

**Radio data system**
Radio data system (RDS) is a service of FM stations that considerably improves the finding of the desired station and its fault-free reception.
Advantages of RDS

- On the display, the programme name of the station appears instead of its frequency.
- During a station search the Infotainment system tunes in to RDS stations only.
- The Infotainment system always tunes into the best receivable broadcasting frequency of the set station by means of AF (alternative frequency).
- Depending on the station that is received, the Infotainment system displays radio text that can contain e.g. information on the current programme.

RDS settings

To configure the RDS settings options, activate the radio function and then select the FM waveband. Press MENU to display the FM waveband menu.

RDS

Set RDS to On or Off.

Note

If RDS is set to Off, RDS functions are not available.

Traffic Programme

Radio traffic service stations are RDS stations that broadcast traffic news. If the traffic service is switched on, the currently active function is interrupted for the duration of the traffic announcement.

Activate or deactivate Traffic Programme (TP).

If the radio traffic service is activated, [TP] is shown in the top line of all main menus. If the current station or media played is not a radio traffic service station, [ ] is displayed and a search is started automatically for the next radio traffic service station. As soon as a radio traffic service station is found, [TP] is highlighted. If no radio traffic service station is found, [ ] remains on the screen.

If a traffic announcement is broadcast on the respective radio traffic service station, a message is displayed.

To interrupt the announcement and return to the function previously activated, dismiss the alert.

Region

Sometimes RDS stations broadcast regionally different programmes on different frequencies.

Set Region to On or Off.

If regionalisation is switched on, alternative frequencies with the same regional programmes are selected where necessary.

If regionalisation is switched off, alternative frequencies of the stations are selected without regard to regional programmes.

Digital audio broadcasting

DAB broadcasts radio stations digitally.
Advantages of DAB

- DAB stations are indicated by the programme name instead of the broadcasting frequency.
- With DAB, several radio programmes (services) can be broadcast on a single frequency (ensemble).
- Besides high-quality digital audio services, DAB is also able to transmit programme-associated data and a multitude of other data services including travel and traffic information.
- As long as a given DAB receiver can pick up the signal sent out by a broadcasting station (even if the signal is very weak), sound reproduction is ensured.
- In the event of poor reception, the volume is reduced automatically to avoid the output of disagreeable noises.

If the DAB signal is too weak to be picked up by the receiver, reception is interrupted completely. This can be avoided by activating DAB to DAB Linking and/or DAB to FM Linking in the DAB option menu (see below).

- Interference caused by stations that are on nearby frequencies (a phenomenon that is typical of AM and FM reception) does not occur with DAB.
- If the DAB signal is reflected by natural obstacles or buildings, the reception quality of DAB is improved, whereas AM or FM reception is considerably impaired in such cases.
- When DAB reception is enabled, the FM tuner of the Infotainment system remains active in the background and continually searches for the best receivable FM stations. If TP 159 is activated, traffic announcements of the FM station with the best reception are issued. Deactivate TP if DAB reception should not be interrupted by FM traffic announcements.

DAB settings

To configure the DAB settings options, activate the radio function and then select the DAB waveband. Press MENU to display the DAB waveband menu.

DAB Announcements

Besides their music programmes, a lot of DAB stations also broadcast announcements of various categories. If you activate some or all categories, the currently received DAB service is interrupted when an announcement of these categories is made.

Select DAB Announcements to display the DAB categories list. Select the desired categories. The selected categories are marked with 9.

Note

DAB announcements can only be received if the DAB waveband is activated.
**DAB to DAB Linking**
If this function is activated, the device switches over to the same service (programme) on another DAB ensemble (if available) when the DAB signal is too weak to be picked up by the receiver.

Set **DAB to DAB Linking** to On or Off.

**DAB to FM Linking**
If this function is activated, the device switches over to a corresponding FM station of the active DAB service (if available) when the DAB signal is too weak to be picked up by the receiver.

Set **DAB to FM Linking** to On or Off.

**L Band**
If **L Band** is activated, the Infotainment system receives an additional frequency range (1452 - 1492 MHz).

Set **L-Band** to On or Off.

**Intellitext**
The **Intellitext** function allows for the reception of additional information such as announcements, financial information, sports, news etc.
External devices

General information
A USB port for the connection of external devices is located in the centre console behind the parking brake or underneath the armrest. Two USB ports for charging devices only are located at the rear of the centre console.

Note
The USB port must always be kept clean and dry.

USB port
An MP3 player, USB drive or smartphone can be connected to the USB port. When connected to the USB port, the devices mentioned above can be operated via the controls and menus of the Infotainment system.

Note
Not all auxiliary devices are supported by the Infotainment system.

The Infotainment system can play music files contained in USB storage devices.

Connecting/disconnecting a device
Connect the USB device to the USB port.

Note
If a non-readable USB device is connected, a corresponding error message appears and the Infotainment system automatically switches to the previous function.

To disconnect the USB device, select another function and then remove the USB storage device.

Caution
Avoid disconnecting the device during playback. This may damage the device or the Infotainment system.

MTP device settings
For devices connected via MTP, additional settings can be adjusted in the settings menu.

In an active audio source, press MENU, scroll through the list and select Settings. Select Phone Connection (MTP Only).
External devices

If you want the device to be only charged on the USB port, activate Charge Only. If you switch to the USB audio source while this setting is activated, you are prompted with a charging message.

If you wish to play music files stored on the device, activate Scan Music Folder Only or Scan All Folder.

Bluetooth

Bluetooth enabled audio sources (e.g. music mobile phones, MP3 players featuring Bluetooth, etc.), which support the Bluetooth music profiles A2DP and AVRCP can be connected wirelessly to the Infotainment system.

The Infotainment system can play music files contained in Bluetooth devices.

Connecting/disconnecting a device

For a detailed description of the Bluetooth connection 168.

Bluetooth device list

To access the Bluetooth device list, activate the Bluetooth audio source, press MENU and then select Manage Bluetooth Devices.

For a detailed description of the Bluetooth device list 168.

File formats

Only devices formatted in the FAT32, NTFS and HFS+ file systems are supported.

Note

Some files may not be played properly. This may be due to a different recording format or the condition of the file.

Files from online shops to which Digital Rights Management (DRM) has been applied cannot be played.

The playable audio file formats are MP3, WMA, AAC and AIF.

When playing a file with ID3 tag information, the Infotainment system can display information, e.g. on the track title and artist.

Playing audio

Starting playback

Connect the device 163.

Repeatedly press MEDIA to activate the desired media source.

Example: USB source.

File formats

MP3, WMA, AAC and AIF.

When playing a file with ID3 tag information, the Infotainment system can display information, e.g. on the track title and artist.

Function buttons

Skipping to previous or next file

Press ‹‹ or ‹› to play the previous or next track.

If ‹‹ is pressed within the first five seconds of the song playing, the system skips to the beginning of the current track.

Fast forwarding or rewinding

Press and hold ‹‹ or ‹› to rewind or fast forward.
Playback order
Press **MENU** in the respective audio source and scroll through the list to **Shuffle Songs**.
To play the songs on the device in random order, set **Shuffle Songs** to **On**.
To play the songs in normal order, set **Shuffle Songs** to **Off**.

Browsing for a song
Depending on the device, you may browse for songs in categories and subcategories or a folder structure.

*Note*
For this function to be available, the indexing process must be completed.

**Categories**
To browse for a song, press **MENU** in the respective audio source and then select **Browse**.
Navigate through the browse structure and select the desired track.

**Folders**
To browse the song, press **MENU** and then select **Folder View**. The folder structure on the respective device is displayed.
Navigate through the folder structure and select the desired track.
Speech recognition

General information
The voice pass-thru application of the Infotainment system allows access to the speech recognition commands on your smartphone. See your smartphone manufacturer's operating instructions to find out whether your smartphone supports this feature.

In order to use the voice pass-thru application, the smartphone must be connected to the Infotainment system via USB cable or via Bluetooth.

Usage
Activating speech recognition
Press and hold PHONE on the control panel or on the steering wheel to start a speech recognition session. A voice command message is displayed on the screen.

As soon as a beep is heard, you can say a command. For information on the commands supported, see the operating instructions for your smartphone.

Adjusting the volume of voice prompts
Turn on the control panel or press + / - on the right side of the steering wheel to increase or decrease the volume of voice prompts.

Deactivating speech recognition
Press on the steering wheel. The voice command message disappears, the speech recognition session is ended.
Phone

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General information

The Phone portal provides you with the possibility of having mobile phone conversations via a vehicle microphone and the vehicle loudspeakers as well as operating the most important mobile phone functions via the Infotainment system in the vehicle. To be able to use the Phone portal, the mobile phone must be connected to the Infotainment system via Bluetooth.

Not all Phone functions are supported by every mobile phone. The usable phone functions depend on the relevant mobile phone and network provider. You will find further information on this in the operating instructions for your mobile phone, or you can enquire about them with your network provider.

Important information for operation and traffic safety

⚠️ Warning

Mobile phones have effects on your environment. For this reason, safety regulations and directions have been prepared. You should be familiar with the related directions before you use the telephone function.

⚠️ Warning

Use of the hands-free facility while driving can be dangerous because your concentration is reduced when telephoning. Park your vehicle before you use the hands-free facility. Follow the stipulations of the country in which you find yourself at present.

Do not forget to follow the special regulations that apply in specific areas and always switch off the mobile phone if the use of mobile phones is prohibited, if
interference is caused by the mobile phone or if dangerous situations can occur.

Bluesooth

The Phone portal is certified by the Bluetooth Special Interest Group (SIG).

Bluetooth connection

Bluetooth is a radio standard for the wireless connection of e.g. mobile phones or other devices.
To be able to set up a Bluetooth connection to the Infotainment system, the Bluetooth function of the Bluetooth device must be activated.
For further information, please consult the operating instructions for the Bluetooth device.
Via the Phone portal, pairing (PIN code exchange between Bluetooth device and Infotainment system) and connecting of the Bluetooth devices with the Infotainment system are carried out.

Pairing a device

Important information
- Up to five devices can be paired to the system.
- Only one paired device can be connected to the Infotainment system at a time.
- Pairing only needs to be carried out once, unless the device is deleted from the list of paired devices. If the device has been connected previously, the Infotainment system establishes the connection automatically.
- Bluetooth operation considerably drains the device’s battery. Therefore, connect the device to the USB port for charging.

Pairing the first device
1. Press PHONE and then select Pair.
A message is displayed on the Infotainment system indicating the name and PIN code of the Infotainment system.
2. Start Bluetooth searching on the Bluetooth device to be paired.
3. Confirm pairing:
   - If SSP (secure simple pairing) is supported: Compare the PIN code (if demanded) and confirm the messages on the Infotainment system and the Bluetooth device.
   - If SSP (secure simple pairing) is not supported: Enter the Infotainment PIN code on the Bluetooth device and confirm your input.
4. The Infotainment system and the device are paired. The phone menu is displayed.
5. If available on the Bluetooth device, phone book and calls lists are downloaded to the Infotainment system. If required, confirm the respective message on your smartphone.
Note
For the contacts to be read by the Infotainment system, they must be stored in the phone memory of the mobile phone.

Pairing another device
Press PHONE, scroll through the list and select Bluetooth Devices.
Press Add to start the pairing process of another device.
Proceed from step 2 of "Pairing the first device" (see above).

Connecting a paired device
Press PHONE, scroll through the list and select Bluetooth Devices.
Mark the desired device and select Connect.
If necessary, the device currently connected is disconnected. The selected device is connected.

Disconnecting a device
Press PHONE, scroll through the list and select Bluetooth Devices.
Mark the device currently connected and select Disconnect.

The device is disconnected.

Deleting a device
Press PHONE, scroll through the list and select Bluetooth Devices.
Mark the device you wish to delete from the device list and select Delete.
The device is deleted.

Emergency call

⚠️ Warning
Connection setup cannot be guaranteed in all situations. For this reason you should not rely exclusively on a mobile phone when a vitally important communication (e.g. a medical emergency) is concerned.
In some networks it may be necessary for a valid SIM card to be properly inserted in the mobile phone.

⚠️ Warning
Bear in mind that you can make and receive calls with the mobile phone if it is in a service area with a sufficiently strong signal. Under certain circumstances, emergency calls cannot be made on all mobile phone networks; it is possible that they cannot be made when certain network services and/or telephone functions are active. You can enquire about this with the local network operators. The emergency call number can differ depending on the region and country. Please enquire beforehand about the correct emergency call number for the relevant region.

Making an emergency call
Dial the emergency call number (e.g. 112).
The telephone connection to the emergency call centre is set up.
Answer when the service personnel questions you about the emergency.
**Warning**

Do not end the call until you are requested to do so by the emergency call centre.

---

**Operation**

As soon as a connection via Bluetooth has been set up between your mobile phone and the Infotainment system, you can operate many functions of your mobile phone via the Infotainment system.

**Note**

Not every mobile phone supports all functions of the Phone portal. Therefore, deviations from the range of functions described below are possible.

---

**Initiating a phone call**

**Keypad**

Press PHONE to display the phone menu.

Scroll through the list and select Keypad. The keypad is displayed.

Turn MENU to highlight the digit you wish to enter and then press MENU to select the respective digit. Enter the desired number.

Select ☑️ or press BACK to delete digits.

Select Call to initiate the phone call.

**Contacts**

Press PHONE to display the phone menu.

Select Contacts. The contacts list is displayed.

Scroll through the list and select the desired contacts entry. The contact is displayed.

Select one of the phone numbers stored under that contact. The number is dialled.

**Calls lists**

Press PHONE to display the phone menu.

Select Recent Calls. The recent calls list is displayed.

Depending on which call you are searching for, select Missed, Received or Sent.

Select one of the phone numbers stored in the recent calls list. The number is dialled.

**Incoming phone call**

**Taking a phone call**

If a radio or media source is active when a call comes in, the audio source is muted and remains muted until the call is ended.

A message with the caller's name or number is displayed.
To answer the call, select Answer.

Rejecting a phone call
To reject the call, select Ignore in the message.

Functions during a phone call
During a phone call, the in-call view is displayed.

End of phone call
Select End to end the call.

Deactivating the microphone
Select Mute to temporarily deactivate the microphone.

The screen button changes to Unmute.
To reactivate the microphone, select Unmute.

Deactivating the hands-free function
To continue the conversation on your mobile phone, select Handset.
To reactivate the hands-free function, select Hands-free.

Second incoming phone call
If a second phone call comes in, another message with the caller’s name or number is displayed.
To answer the second call and place the first call on hold, select Switch.
To reject the call, select Ignore in the message.

Switching between the phone calls
Press PHONE or \ rn on the steering wheel audio control to toggle between the two calls.
Information on the call currently active is shown on the display.

Ending the phone calls
The calls can be ended one at a time.
Select End. The call currently active is ended.

Text messages
Text messages which are received while a phone is connected to the Infotainment system can be displayed on the Info-Display.

Prerequisites
The following prerequisites must be met:

- The Bluetooth function of the respective phone must be activated (see the operating instructions for your device).
- Dependent on the phone, it may be required to set the device to "visible" (see the operating instructions for your device).
The respective phone must be paired and connected to the Infotainment system. For a detailed description ▶ 168.

The respective phone must support Bluetooth Message Access Profile (BT MAP).

**Viewing a message**

**Note**

If the vehicle is going faster than 8 km/h, the text message is not displayed on the screen.

When a new text message is received, a message is displayed.

Select **View** to read the message.

---

**Mobile phones and CB radio equipment**

**Installation instructions and operating guidelines**

The vehicle specific installation instructions and the operating guidelines of the mobile phone and hands-free manufacturer must be observed when installing and operating a mobile telephone. Failure to do so could invalidate the vehicle type approval (EU directive 95/54/EC).

**Recommendations for fault-free operation:**

- The exterior antenna must be professionally installed to obtain the maximum range possible.
- Maximum transmission power: 10 watts.
- The mobile phone must be installed in a suitable spot. Consider relevant note in the Owner's Manual, chapter **Airbag system**.

---

Seek advice on predetermined installation points for the external antenna or equipment holder and ways of using devices with a transmission power exceeding 10 watts.

Use of a hands-free attachment without external antenna with mobile telephone standards GSM 900/1800/1900 and UMTS is only permitted if the maximum transmission power of the mobile telephone is 2 watts for GSM 900 or 1 watt for the other types.

For reasons of safety, do not use the phone while driving. Even use of a hands-free set can be a distraction while driving.

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**⚠️ Warning**

Operation of radio equipment and mobile telephones which fail to meet above mentioned mobile telephone standards is only permitted using an antenna located outside of the vehicle.
<table>
<thead>
<tr>
<th>Caution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mobile telephones and radio equipment may lead to malfunctions in the vehicle electronics when operated inside the vehicle with no exterior antenna, unless the above mentioned regulations are observed.</td>
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Phone holder

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The phone holder is attached to a power connector (PowerFlex Bar). Further information regarding power connector is available in the Owner's Manual.

Smartphones with following dimensions can be attached to the phone holder:
- height: up to 158.5 mm
- width: 57 to 78 mm
- depth: 6 to 11 mm

⚠️ Warning

Devices attached to the phone holder must be used in a way that driver distraction is avoided and the vehicle can be driven safely at all times. You must always comply with the respective laws and regulations of the country where you are driving. These laws may differ from the information in this manual. If in doubt, stop your vehicle and operate devices while the vehicle is stationary.

⚠️ Caution

To avoid theft, do not leave the mobile phone in the phone holder when leaving the vehicle.
Usage

Adapting the phone holder to the size of the smartphone

1. Press both brackets (1) on the rear side to disengage the shifters for width adjustment and pull them out.

2. Press button (2) on left upper side to disengage shifter for height adjustment.

3. Insert the smartphone.

4. Adjust the width of the phone holder to the width of the phone by pushing the shifters together.

Attaching the phone holder to the power connector

1. Press release button (3) to disengage locking shifters (4).
1. Press button (2) to disengage shifter.
2. Insert the smartphone in a way that the power supply of the smartphone is accessible and no buttons are pressed.
3. Press down the shifter.

2. Attach the phone holder to the power connector and press both locking shifters (4) to lock.

Connecting the smartphone with the power supply

Connect the smartphone to the phone holder by using the compatible connecting cable. Different versions of the connecting cable are available as accessory.

Operating the smartphone
When the smartphone is connected with the power supply, it will be charged with ignition on.
For connecting the smartphone with the Infotainment system, a Bluetooth® connection must be established.
Removing the phone from the phone holder

1. Disconnect the power supply from the phone.
2. Press button (2) on left upper side to disengage shifter for height adjustment.
3. Remove the smartphone from the phone holder.

Removing the phone holder from the power connector

1. Press down the shifter for height adjustment.
2. Press the release button (3) and remove the phone holder.
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