

INSIGNIA

Infotainment Manual



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Navi 900 IntelliLink

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Introduction

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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.

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. Only operate the Infotainment system if the traffic conditions allow a safe usage.

In the interest of safety, it might be appropriate to stop the vehicle before operating the Infotainment system (e.g. for entries of addresses).

Warning

The usage of the navigation system does not release the driver from the responsibility for a correct, vigilant attitude in road traffic. Always follow the applicable traffic rules.

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.

Control elements overview

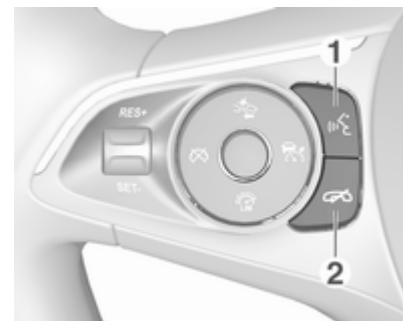
Centre display with controls



- 1 Display/touch screen 14
- 2 Information on the OnStar module with Wi-Fi connectivity and on the hotspot connection to another device 11
- 3 **BACK**
Press: return to previous screen/menu
- 4 **▶▶**
Radio: short press: skip to next station; long press: seek up 31
External devices: short press: skip to next track; long press: fast forward 37
- 5 **⏻**
If switched off: short press: switch power on 11
If switched on: short press: mute system; long press: switch power off 11
Turn: adjust volume 11

- 6 **⏮**
Radio: short press: skip to previous station; long press: seek down 31
External devices: short press: skip to previous track; long press: fast rewind 37
- 7 **🏠**
Short press: display home screen
Long press: start phone projection

Steering wheel controls

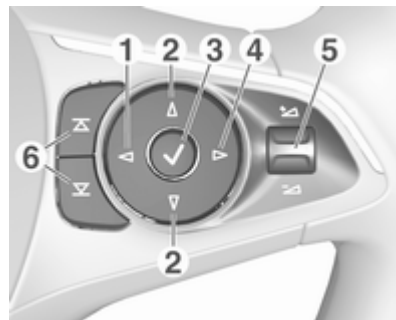


- 1 **📞**
Short press: take phone call . 69
or activate speech recognition 61
or interrupt a prompt and speak directly 61
Long press: activate voice pass-thru (if supported by phone) 61
- 2 **🚗**
Press: end/decline call 69

or deactivate speech
recognition 61

or activate/deactivate
mute function 11

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



1 ◀

Press: display menu for
application selection;
return to next higher menu
level on the Driver
Information Centre (see
images below)

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 🔊 / 🔊 11

Press upwards: increase volume

Press downwards:
decrease volume

6 𐄂 / 𐄃

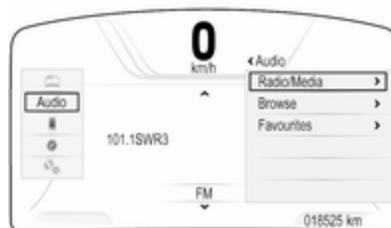
Radio: press to select
next / previous favourite on
the Driver Information
Centre 18

Media: press to select
next / previous track on the
Driver Information Centre 37

Driver Information Centre (midlevel):



Driver Information Centre (uplevel):




The uplevel Driver Information Centre enables switching between two different display modes (themes), **Tour** and **Sport**.


The image above shows the **Tour** theme (for changing the display theme, 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 ↗ 26.

Auto volume

When Auto volume is activated ↗ 26, 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

Press  and select **AUDIO** on the home screen. Select **RADIO** in the interaction selector bar.

For a detailed description of the radio functions ↗ 31.

External devices

Press  and select **AUDIO** on the home screen. Repeatedly select **MEDIA** in the interaction selector bar.

For a detailed description on connecting and operating external devices ↗ 36.

Navigation

Press  and select **NAV** on the home screen.


The navigation map showing the area around the current location is displayed.

For a detailed description of the navigation functions ↗ 42.

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 ↗ 66.


If the mobile phone is connected, press  and then select **PHONE** on the home screen.

The main menu of the phone portal is displayed.

For a detailed description of mobile phone operation via the Infotainment system ↗ 69.

Phone projection

To show specific apps of your smartphone on the Infotainment system, connect your smartphone.

Press  and then select **PROJECTION** on the home screen.

Depending on the smartphone connected, a main menu with different selectable apps is displayed.

For a detailed description ↗ 39.

App shop

To download additional apps to the Infotainment system, select **SHOP**.

For a detailed description ↗ 40.

OnStar

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

For a detailed description, see
Owner's Manual.

Basic operation

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Basic operation

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

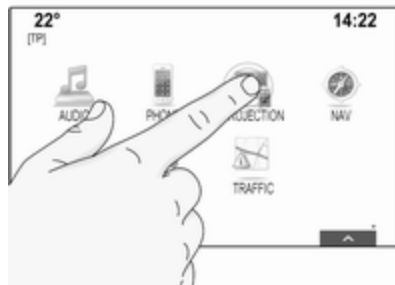
↩ screen button

To return to the next higher menu level, select ↩.

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




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  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 optionally:

- 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  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.

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 **X** to delete one entered character. Touch and hold **X** 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

- 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.

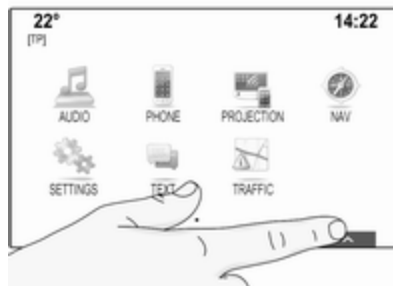
If a favourite location is occupied, the favourite screen button displays the label text of the respective favourite. If a favourite location is empty, the position number of the favourite location (1 to 60) is indicated.

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 .

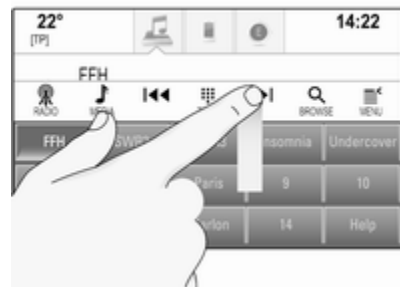


To display one row of favourites when an interaction selector bar is shown on the screen:

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

Press  and select **AUDIO** on the home screen.


To activate the desired waveband, repeatedly select **RADIO** in the interaction selector bar.


Seek for the station you wish to store as a favourite  31.

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

Press  and select **AUDIO** on the home screen. Repeatedly select **MEDIA** in the interaction selector bar until the desired audio source is active.

Select **BROWSE** to activate the browse menu and then select **ALBUMS**  37.

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  and select **NAV** on the home screen.

Select **DESTINATION**, select **RECENT** in the interaction selector bar and then touch the desired destination from the list ⇨ 49.

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  and select **PHONE** on the home screen.

Select **KEYPAD** and enter the number you wish to call ⇨ 69.

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.

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  and select **SETTINGS** on the home screen. 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

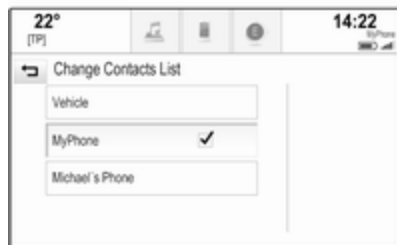
A maximum of 1000 contacts may be stored in the vehicle contacts list. There is no limit for downloaded contacts lists.

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 , 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.

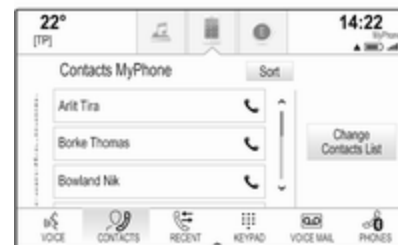
Using the contacts list

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

Navigation application:



Phone 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

- 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 ↗ 49. 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 contacts 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 ⇨ 17.

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 ⇨ 17.

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 contacts 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.

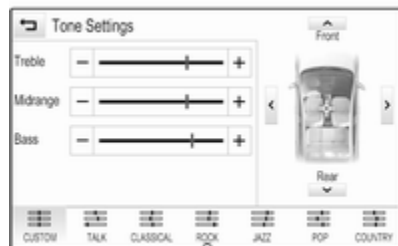
Tone settings

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 ⇨ 18.

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 settings 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 settings 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 ^, v, < 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 and select **SETTINGS** on the home screen.

Scroll through the list and select **Radio** and then **Maximum Start-Up Volume**.

Touch – or + to set the desired volume.

Automatic volume adjustment

Press  and select **SETTINGS** on the home screen.

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 adaptations for the Infotainment system can be made via the **SETTINGS** application.



Time and Date

Press  and select **SETTINGS** on the home screen.



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 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 \wedge or \vee .

Clock display

Select **Clock Display** to enter the respective submenu.

To turn off the digital clock display in the menus, select **Off**.

Language

Press \square and select **SETTINGS** on the home screen.

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

Note

The language currently active is marked with \checkmark .

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 \square and select **SETTINGS** on the home screen.

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.

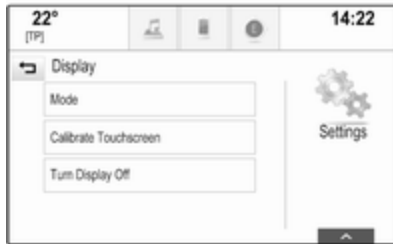
Forgotten PIN Code

To reset the PIN code to the default setting, contact your workshop.

Display

Press  and select **SETTINGS** on the home screen.

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  and select **SETTINGS** on the home screen.

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  and select **SETTINGS** on the home screen.

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


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Usage

The radio function is part of the **AUDIO** application.



Activating the radio function



Press  and select **AUDIO** on the home screen. Select **RADIO** in the interaction selector bar.

Selecting the waveband



Repeatedly select **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, select **BROWSE** in the interaction selector bar.

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 ⇨ 32 and DAB ⇨ 33 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 ⇨ 32 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.

External devices

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General information

Two USB ports and one AUX port for the connection of external devices are located in the centre console.

Note

The port must always be kept clean and dry.

AUX input

It is possible to connect auxiliary devices to the AUX input.

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

When connected to the AUX input, the audio signal of the auxiliary device is transmitted via the speakers of the Infotainment system.

The volume and the tone settings can be adjusted via the Infotainment system. All other control functions must be operated via the auxiliary device.

Connecting/disconnecting a device

To connect the auxiliary device to the AUX input socket of the Infotainment system, use the following cable:

3-pole for audio source.

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

USB port

An MP3 player, USB device or smartphone can be connected to each 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 ⇨ 67.

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 ⇨ 67.

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 ⇨ 36.

Press  and select **AUDIO** on the home screen.

Repeatedly select **MEDIA** in the interaction selector bar 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.

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, select **BROWSE** in the interaction selector bar.



Select **PLAYLISTS**, **ARTISTS**, **ALBUMS**, **SONGS**, **GENRES** or **MORE**. **MORE** comprises the additional categories: **Folder View**, **Podcasts**, **Audiobooks**, **Videos** and **Composers**.

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 ⇨ 36.

Press **⌂** and select **AUDIO** on the home screen.

Repeatedly select **MEDIA** in the interaction selector bar 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.

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 **⚙** and then select **SETTINGS** on the home screen.

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 **↗ 36**.

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

Make sure that **Wi-Fi** is activated.

Select **Manage Wi-Fi Networks** to display a submenu for internet connections. 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  and then select **SHOP**.

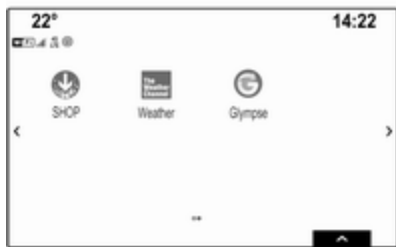
Choose the browse tab to gain access to all apps available for download. Select the desired app to display its main page and then start the download process.

Note

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


Starting an app

Press , 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  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.

Settings**Internet connection**


Press  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  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  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  and then select **SHOP**. Choose the settings tab to display the settings menu and then reset all user-specific settings.

Navigation

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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).

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 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.

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
➔ 43.

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  and select **NAV** on the home screen.

Route guidance not active



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

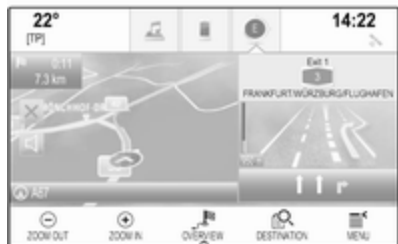
After a timeout of approx.

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 **OVERVIEW**.

The screen button changes to **RESET**.

To return to the normal view, select **RESET**.


Map display

View mode

Select **MENU** in the interaction selector bar and then select **Map View** to display the respective submenu.

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

Note

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

Audio information

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

Select **MENU** in the interaction selector bar and then select **Map View** to display the respective submenu.

Set **Audio Information - On** or **Audio Information - Off**.

Display mode

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

Display of buildings

Select **MENU** in the interaction selector bar and then select **Map View** to display the respective submenu.

Buildings can be displayed in 3D or normal view.

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

Autozoom function

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

POI icons

Select **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 (↗ 49) 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 ↗ 22
- as a favourite ↗ 18

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 ↗ 49.

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 ↗ 22.

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 ⇨ 36.

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 ⇨ 22.

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" ↗ 49.

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 drive

In the root directory of a USB drive, create a folder named **"myPOIs"**, e.g. "F:\myPOIs", where "F:\" is the root directory of the USB drive.

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 drive.

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 ↗ 36 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" ↗ 49.

Destination input

The navigation application provides different options to set a destination for route guidance.

Press  and select **NAV** on the home screen 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

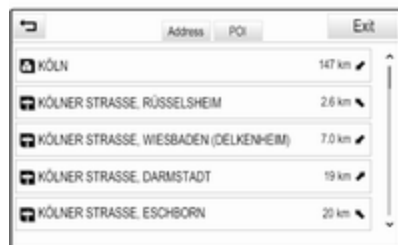
Touch the entry field in the top line of the menu. A keyboard is displayed.

For a detailed description on the keyboards ↗ 17.

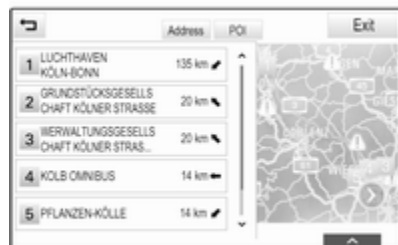
Enter an address or search term and confirm your input.

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:



POI 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 ↗ 17.

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 ⇨ 17.

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, ⇨ 43).

You may also store individual POIs within the system, see "Creating and downloading user defined POIs (My POIs)" in chapter "Usage" ⇨ 43.

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 ⇨ 17.

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 ⇨ 17.

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.



Select one of the entries. The destination details view is displayed. To start route guidance, select **Go**.

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.



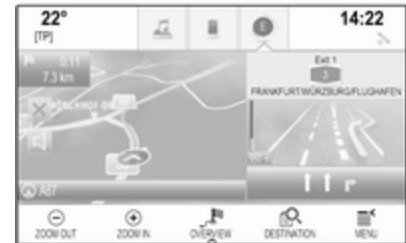
Tap on the label. The destination details view is displayed.

To start route guidance, select **Go**.

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 ⇨ 55.

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 ⇨ 22.

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.

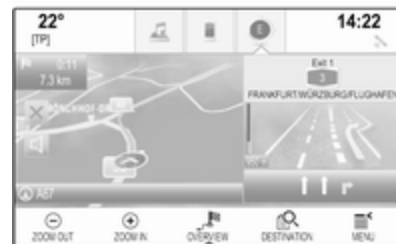
For a detailed description on how to store destination favourites ⇨ 18.

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 **X** 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.

Select **END** in the interaction selector bar.

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  and 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:




If route guidance is active, two additional screen buttons are displayed: **All** for a list displaying all traffic incidents and **Along Route** for a list displaying only those traffic incidents regarding your current route.

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 X.

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

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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" ➔ 27.

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.

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" ➔ 27.

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:

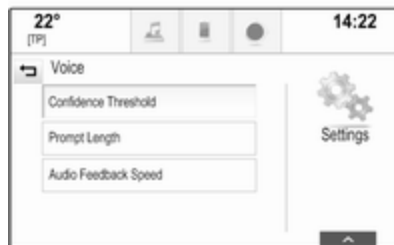
<street> <house number> <city>

Setting up the speech recognition

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

Press  and select **SETTINGS** on the home screen.

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.

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.

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  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.

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.

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.

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.

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  and select **SETTINGS** on the home screen.

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  and select **SETTINGS** on the home screen.

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  and select **PHONE** on the home screen.
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.


Note

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


Connecting a paired device

1. Press  and select **SETTINGS** on the home screen.
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  and select **SETTINGS** on the home screen.
Select **Bluetooth** to display the respective submenu.
2. Select **Device Management** to display the device list.
3. Select **X** beside the Bluetooth device currently connected. You are prompted with a message.
4. Select **Yes** to disconnect the device.

Deleting a device

1. Press  and select **SETTINGS** on the home screen.
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

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.

Phone application

Press  and select **PHONE** on the home screen 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 ⇨ 67.

Initiating a phone call

Keypad

Press  and select **PHONE** on the home screen 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  and select **PHONE** on the home screen 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 ⇨ 22.

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  and select **PHONE** on the home screen to display the respective menu.

If necessary, select **RECENT** in the interaction selector bar. The recent calls list is displayed.



Note

Missed calls are highlighted in red in the recent calls list and indicated by a  next to the phone icon in the application tray.

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

Favourites

Reveal the favourites page.

If necessary, scroll through the pages.

Select the desired favourite screen button.

For a detailed description  18.

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  and select **SETTINGS** on the home screen.

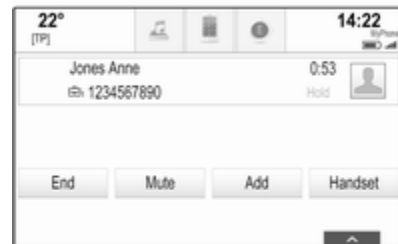
Select **Bluetooth** to display the respective submenu and then select **Ringtones**. A list of all phones paired to the Infotainment system is displayed.

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

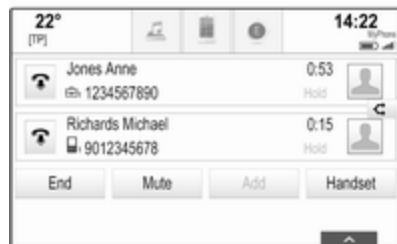
To end both calls, select **End** at the bottom of the screen.

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.



For a detailed description ⇨ 67.

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.

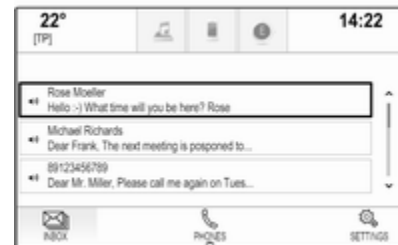
Prerequisites

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

- The Bluetooth function of the respective phone must be activated (see operating instructions for the device).
- Dependent on the phone, it may be required to set the device to "visible" (see 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 operating instructions for the device).
- The respective phone must be paired and connected to the Infotainment system. For a detailed description ⇨ 67.
- The respective phone must support Bluetooth Message Access Profile (BT MAP).

Starting the text application

Press  and select **TEXT** on the home screen.



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  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

Note

Depending on the phone, the reply function may not be supported.

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.

Device list

Select **PHONES** to display the device list.

For a detailed description ⇨ 67.

Text settings

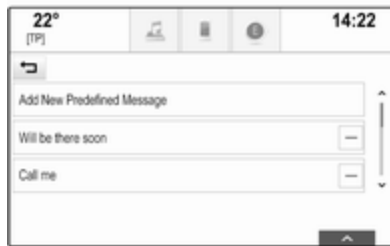
Select **Settings** to enter the settings menu.

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 handsfree 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.

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.


Frequently asked questions

Frequently asked questions 77


Frequently asked questions

Phone

② How can I pair my phone with the Infotainment system?

- ① In order to pair a phone, press , select the **PHONE** icon and then select **Pair Device**. Follow the instructions on your device and make sure Bluetooth is enabled.
Detailed description ⇨ 67.

② How can I access my phone book contacts and recent calls?

- ① In order to access the contacts or calls list, press , 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 ⇨ 69.

Favourites


② What can be stored as a favourite?

- ① Up to 60 favourites of almost all elements can be stored, e.g. destinations, phone contacts, playlists, radio stations, etc.
Detailed description ⇨ 18.


② How can I store a new favourite?

- ① Activate the respective application and touch and hold a favourite screen button to store a new favourite in this location. A short beep sound confirms storing. In some cases, it is required to select a specific item.
Detailed description ⇨ 18.

② How can I rename, delete or move my favourites?

- ① Press , select the **SETTINGS** icon on the Home screen, **Radio** in the settings list and then **Manage Favourites** in order to rename, delete or move the favourites.
Detailed description ⇨ 18.

❓ **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 ⇨ 18.

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 ⇨ 49.

❓ **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 ⇨ 55.

Audio

❓ **How can I change the audio source?**

- ❗ By selecting **RADIO** repeatedly, you can toggle through all available radio sources (AM/FM/DAB). By selecting **MEDIA** repeatedly, you can toggle through all available media sources.

Detailed description for radio ⇨ 31, external devices ⇨ 36.

❓ **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 ⇨ 31, external devices ⇨ 37.

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 ⇨ 61.

❓ **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 ⇨ 14.

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R 4.0 IntelliLink

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Introduction

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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®.

In addition, the Infotainment system allows comfortable and safe use of your mobile phone in the vehicle.

You can also operate specific smartphone applications via the Infotainment system.

Optionally, the Infotainment system can be operated using the touch screen and buttons on the control panel, the controls on the steering wheel, or - if provided by your mobile phone - via speech recognition.

The well-thought-out design of the control elements, the touch screen and the clear display 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

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.

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

Control panel

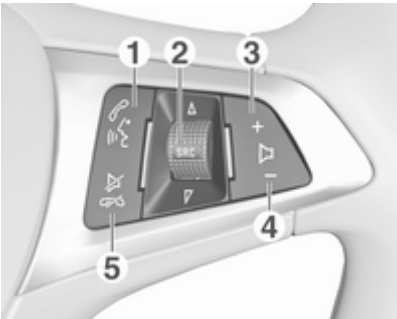



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Steering wheel controls (Type 1)

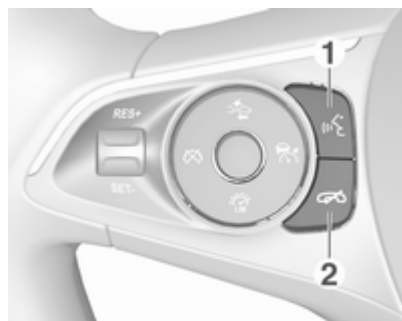


- 1  Short press: open OnStar menu if no phone connected 92
- or take phone call if phone connected 115
- or dial last number in call list when phone menu displayed 119

- or switch between calls when calls are waiting 119
- Long press: activate speech recognition 114
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- Press: select audio source 92
- Turn upwards / downwards: select next / previous preset radio station when radio active 101
- or select next / previous track / chapter / picture when external devices active 109
- or select next / previous entry in call list when phone function active and call list open 119
- Turn upwards / downwards and hold: scroll quickly through the entries in the call list 119
- 3 +
- Press: increase volume

- 4 -
- Press: reduce volume
- 5 
- Press: end / decline call 119
- or deactivate speech recognition 114
- or activate / deactivate mute function 92

Steering wheel controls (Type 2)



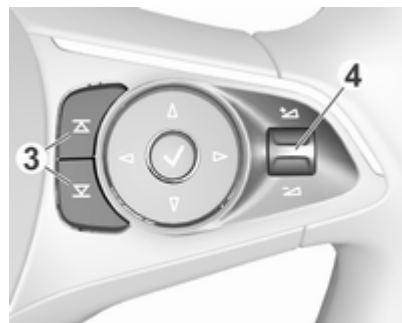
1

Short press: take phone call 119

or activate speech
recognition 114or interrupt a prompt and
speak directly 114Long press: activate voice
pass-thru (if supported by
phone) 114

2

Press: end / decline call 119

or deactivate speech
recognition 114or activate / deactivate
mute function 92

3

Radio: press to select
next / previous favourite 103Media: press to select
next / previous track 109

4

Press upwards: increase volume

Press downwards:
decrease volume

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

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 ↗ 88
- the touch screen ↗ 95
- audio controls on the steering wheel ↗ 88
- the speech recognition ↗ 114

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 ↗ 98.

Speed compensated volume

When the speed compensated volume is activated ↗ 98, 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 ↗ 95.

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.

For a detailed description of:

- Radio functions ⇨ 101
- External devices ⇨ 109

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.



For a detailed description of:

- Picture functions ⇨ 110
- Movie functions ⇨ 111

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 ⇨ 115.

If the mobile phone is connected, select **Phone** to display the main menu.



For a detailed description of mobile phone operation via the Infotainment system ⇨ 119.

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 ⇨ 112.

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

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Basic operation

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

Caution

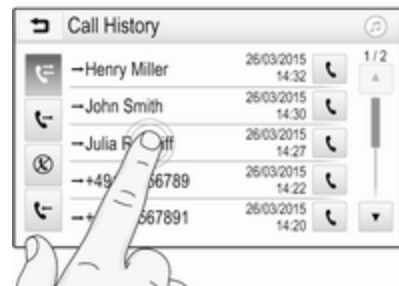
Do not use pointed or hard items like ballpoint pens, pencils or similar for touch screen operation.

↩ screen button

When operating the menus, press ↩ in the respective submenu to return to the next higher menu level.

When no ↩ screen button is displayed, you are on the top level of the respective menu. Press 🏠 to display the home screen.

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.

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 constant speed.

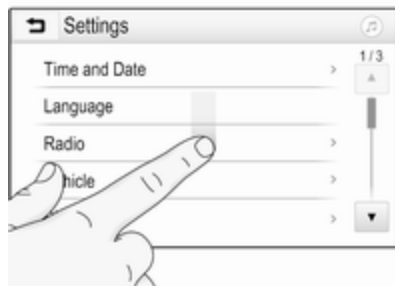
All other items are rearranged.

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.

Note

Constant pressure must be applied and the finger must be moved at 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.

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

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

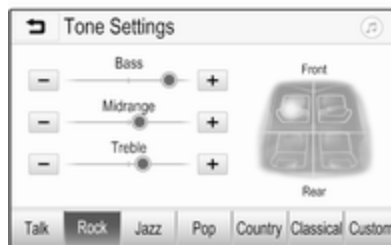
Constant pressure must be applied and the finger must be moved at a constant speed.

- Touch > or < on the screen.

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.



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.

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.

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.

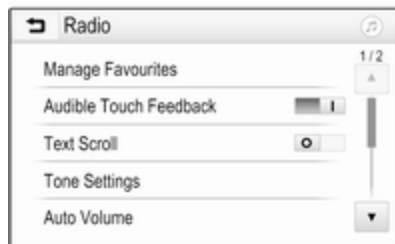
High: maximum enhancement of volume with increasing vehicle speed.

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.

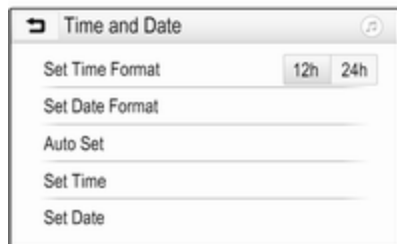
System settings

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 **12 h** or **24 h**.

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.

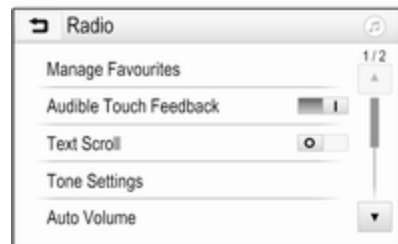
To adjust the language for the menu texts, touch the desired language.

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

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.

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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Usage

Activating radio

Press  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.





Select the desired waveband.

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



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.




Note

FM waveband: when the RDS function is activated, only RDS stations ⇨ 103 are searched for, and when the radio traffic service (TP) is activated, only traffic service stations ⇨ 103 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 ϕ .

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 ⇨ 103 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

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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.


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
➔ 116.

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.

The Infotainment system can play the following audio, picture and movie files stored on external devices.

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 ⇨ 107.

Usually, the respective audio main menu is displayed automatically.

If playback is not started automatically, e.g. if **USB Auto Launch** is deactivated ⇨ 107, 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.



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.

Touch  within the first two seconds of the track playing to return to the previous 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

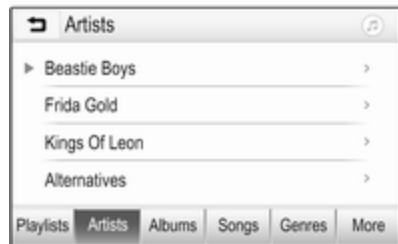
Touch  to play the tracks in random order. The screen button changes to .

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**.

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 ➔ 107.

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.

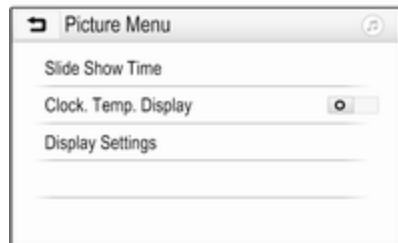
Viewing a slide show

Select  to view the pictures stored on the USB device in a slide show.

Touch the screen to end the slide show.

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 107.

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.

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**.

**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 adjustment of brightness and contrast.

Touch + or - to adjust the settings.

Using smartphone applications

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.

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 to **Apple CarPlay** or **Android Auto**.

Make sure the respective application is activated.

Connecting the mobile phone

Connect the smartphone to the USB port ➔ 107.

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 .

Speech recognition

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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 ⇨ 107 or via Bluetooth ⇨ 116.


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

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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).

You can 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, 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.



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.



Note

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:

Confirm the messages on the Infotainment system and the Bluetooth device.

- If SSP (secure simple pairing) is not 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  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  116.


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  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  116.

Press  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**, **pqr**, **stu**, and **vwx**.

Use  to delete an entered group of letters.

1. Select the button containing the first letter of the contact you wish to search for.

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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