OPEL KARL
Infotainment Manual

Contents

R 4.0 IntelliLink

Introduction

General information

The Infotainment system provides you with state-of-the-art in-car infotainment.

Using radio tuner functions, you may register up to 25 stations on five favourites pages.

You can connect external data storage devices, e.g. iPod, USB devices, or other auxiliary devices to the Infotainment system as further audio sources; either via cable or via Bluetooth.

In addition, the Infotainment system is equipped with a phone portal that allows for 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.

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 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

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

Steering wheel audio controls

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Short press: take phone call . 34

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or select next/previous entry in call list when phone portal active and call list open 38

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3 +

Press: increase volume

4 -

Press: reduce volume

5 🔇📵

Press: end/decline call 38

or deactivate speech recognition 33

or activate/deactivate mute function 11

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 ⇨ 8
● the touch screen ⇨ 14
● audio controls on the steering wheel ⇨ 8
● the speech recognition ⇨ 33

Switching the Infotainment system on or off

Press ○. After switching on, the last selected Infotainment source becomes active.

Automatic switch-off

If the Infotainment system has been switched on 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 ⇨ 17.

Speed compensated volume

When the speed compensated volume is activated ⇨ 17, 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 ⇨ 14.

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 ⇨ 20
● External devices (USB, AUX, Bluetooth) ⇨ 28

Note
To easily return to the audio screen currently active, touch ⊚ in the top line of any screen.

GALLERY
Select GALLERY to open the picture and movie menu for files stored on an external device, e.g. USB stick 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 ⇨ 29
● Movie functions ⇨ 31

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 ⇨ 34.

If the mobile phone is connected, select PHONE to display the main menu of the phone portal.

For a detailed description of mobile phone operation via the Infotainment system ⇨ 38.

PROJECTION

To show specific apps of your smartphone display 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 ⇨ 32.

SETTINGS

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

⤶ Settings		
Time and Date	›	1/3 ▲
Language		
Radio	›	
Vehicle	›	
Bluetooth	›	▼
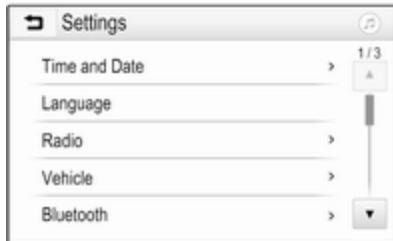
OnStar

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

For a detailed description, see Owner's Manual.

Basic operation

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.

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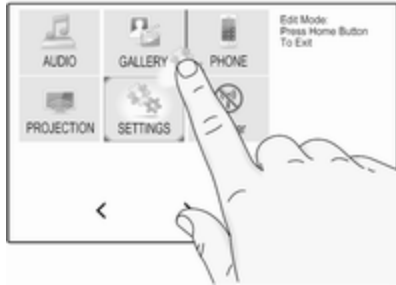In subsequent chapters, the operating steps for selecting and activating a screen button or menu item via the touch screen will be described as "...select <button name>/<item name>".

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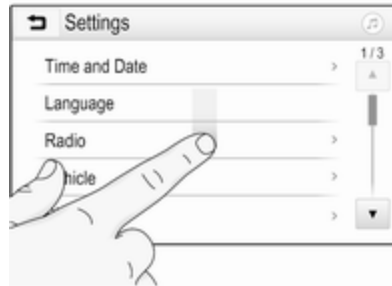
If there are more items available than presentable on the screen, the list must be scrolled.

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 and at the 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.

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>".

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 constant speed.

● Touch > or < on the screen.

Note

In subsequent chapters, the operating steps for scrolling pages via the touch screen will be described as "...scroll to...page...".

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 bottom line of the respective audio main menu. If necessary, scroll through the list of menu items and select **Tone Settings**. The respective menu is displayed.
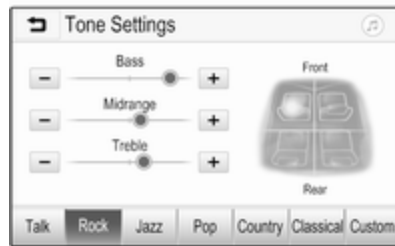
Equaliser mode

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**.
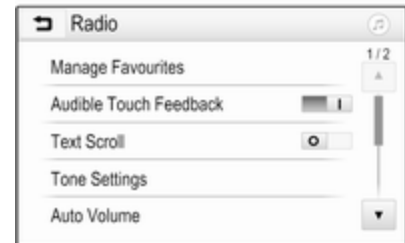
Touch the screen button next to **Audible Touch Feedback** to activate or deactivate the function.

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 by theme in the respective chapters of this manual.
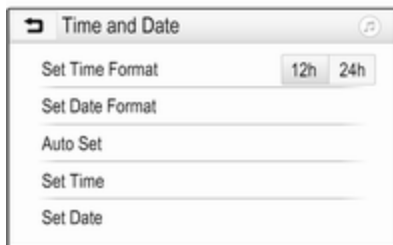
Time and date settings

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 **+** and **-** to adjust the settings.

Language settings

Press ⌂ and then select **Settings**.

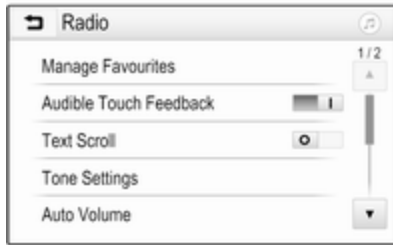Select **Language** to display the respective menu.

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.

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

Usage

Activating radio

Press ⌂ and then select **AUDIO**. The audio main menu last selected is displayed.

Select **Source** in the bottom line of the active 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 ⇨ 23 are searched for, and when the radio traffic service (TP) is activated, only traffic service stations ⇨ 23 are searched for.

Station tuning

Touch ⁿⁿₜᵤₙₑ on the screen. The **Direct tune** display is shown.

⇆ Direct tune				♫
89.5		1	2	3
		4	5	6
		7	8	9
◄	► Go	.	0	←

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 bottom line of the active radio main menu to open the corresponding waveband-specific submenu.

⇆ FM Menu	♫
Station List	1/2 ▲
Tone Settings	
Auto Volume	
Categories	
Update Station List	▼

Select the waveband-specific **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 is displayed transmitting a programme of the selected type.

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 a waveband-specific station list can no longer be received, select **Menu** in the bottom line of the active radio main menu and then select the respective menu item to update the station list, e.g. **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 are available, in each of which 5 stations may be stored.

Note
The currently received station is highlighted.

Storing a station

If required, touch ‹ or › to scroll through the favourite pages.

To store the currently active radio station to a preset screen button: touch and hold the desired screen button for a few seconds. The corresponding frequency or station name is displayed on the screen button.

Retrieving stations

If required, touch ‹ or › to scroll to the desired favourite page.

Select the preset screen button on which the desired radio station is stored.

Defining the number of available favourites pages

To define the number of favourites pages displayed for selection, press **HOME** and then select **SETTINGS** on the screen.

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

Depending on which favourites pages you want to be displayed, activate or deactivate the pages.

Radio data system (RDS)

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 bottom line of 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 current audio source is interrupted for the duration of the traffic announcement.

Activating the traffic programme function

Select **Menu** in the bottom line of 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 broadcasted on the respective station, a message is displayed.

To interrupt the announcement and return to the function previously activated, touch the screen or press ⏻.

Regionalisation

Sometimes RDS stations broadcast regionally different programmes on different frequencies.

Select **Menu** in the bottom line of 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

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 broadcasted 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** and/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 ⇨ 23 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 bottom line of 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 bottom line of 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

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 bottom line of 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 bottom line of 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 bottom line of the DAB radio main menu and then select **Station List**.

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

External devices

General information

An AUX and USB socket for the connection of external devices is located in the centre console.

Note
The sockets must always be kept clean and dry.

AUX input

It is possible to connect e.g. an iPod or another auxiliary device with a 3.5 mm jack plug to the AUX input.

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 a device
To connect the auxiliary device to the AUX input socket of the Infotainment system, use a 3-pole connector for audio and a 4-pole connector for movie sources.

Connect the AUX device to the AUX port.

USB port

An MP3 player, USB drive, SD card (via USB connector/adapter), iPod or smartphone can be connected to the USB port.

The Infotainment system can play audio files, show picture files or play movie files contained in USB storage 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 MP3 players, USB drives, iPod models or smartphones 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 or iPod is connected, a corresponding error message appears and the Infotainment system automatically switches to the previous function.

To disconnect the USB device or iPod, 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.

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

Bluetooth enabled audio sources (e.g. music mobile phones, MP3 players featuring Bluetooth, etc.), which support the Bluetooth music profiles A2DP and AVRCP can be connected wirelessly to the Infotainment system.

The Infotainment system can play music files contained in Bluetooth devices e.g. smartphones or iPod/iPhone products.

Connecting a device

For a detailed description on how to establish a Bluetooth connection ⇨ 35.

File formats and folders

This product can support USB storage device with a storage capacity of 5000 files (music, photo and video), and 15 stages of folder structure. Normal usage cannot be guaranteed for storage devices that exceed this limit. The iPod/iPhone can play all music files supported. But the music file lists are displayed up to 5000 files on the screen in alphabetical order.

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

MP3 (MPEG-1 Layer 3, MPEG-2 Layer 3)

Constant Bit Rate (CBR) between 8 and 320 kbps

Variable Bit Rate (VBR)

Sampling frequencies of 8, 11.025, 12, 16, 22.05, 24, 32, 44.1, and 48 kHz.

Windows Media Audio

Windows Media Audio 10

CBR between 32 and 768 kbps

VBR (Standard), Professional, Lossless, or higher according to Microsoft specifications

Sampling frequencies of 8, 12, 16, 22, 32, 44.1, and 48 kHz

AAC (MPEG-4 AAC, Low Complexity Profile) and AAC+

CBR between 8 and 320 kbps.

OGG Vorbis

Waveform (WAV – PCM Windows format)

Audio Interchange File Format (AIFF)

3GPP (Generally used for mobile devices)

Audio Books (MP3, WMA, AAC, AA)

Picture files
Only the following file extensions are supported: '*.jpg', '*.bmp', '*.png', '*.gif' (Animated GIF is not supported.) Some files may not operate due to a different format or the condition of file.

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 ⇨ 26.

Usually, the respective audio main menu is displayed automatically.

If playback is not started automatically e.g. if USB Auto Launch is deactivated ⇨ 26, 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

Note

During AUX playback, the function buttons are not available.

Interrupting and resuming playback

Touch **II** 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 2 seconds of the track playing to return to the previous track.

Returning to the beginning of the current track

Touch ◄◄ after 2 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

Note

The browse function is not available for AUX sources and, depending on the device, it may only be partially available for Bluetooth sources.

To display the browse screen, touch the screen. Alternatively, select **Menu** in the bottom line of 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**.
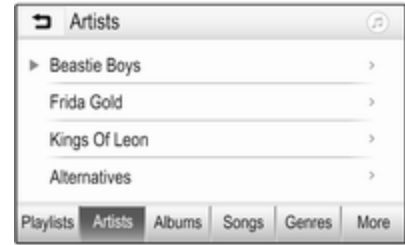
Select the desired category, subcategory (if available) and then choose a track.

Select the track to start playback.

Displaying pictures

You can view pictures from a USB device connected to the USB port.

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 ⇨ 26.

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.

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 ◌⁺¹ 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**.
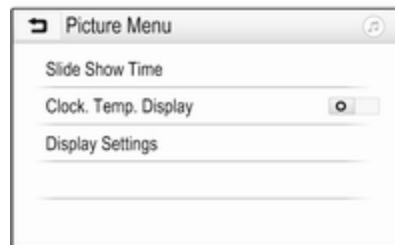
Slide show time
Select **Slide Show Time** to display a list of possible time sequences. Activate the desired time sequence in which one picture is intended to be displayed in a slide show.

Clock and temperature display
If you want the time and temperature to be displayed 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 connected to the USB port.

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 ⇨ 26.

Press ⚏ and then select GALLERY to open the media main menu.

Touch ⛶ to open the movie main menu and then select the desired folder and/or movie.

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 5 seconds of the movie playing to return to the previous movie file.

Returning to the beginning of the current movie
Touch ❙◄ after 5 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
If you want the time and temperature to be displayed in full screen mode, activate Clock. Temp. Display.

Display settings

Select **Display Settings** to open a submenu for adjustment of brightness and contrast.

Touch + and - to adjust the settings.

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 live 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 ⇨ 26.

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 ⌂.

Speech recognition

General information

The voice pass-thru application of the Infotainment system allows access to the speech recognition commands on your smartphone. See your smartphone manufacturer's user guide 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 ⇨ 26 or via Bluetooth ⇨ 35.

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 for your smartphone.

Adjusting the volume of voice prompts

Turn ⟳ on the control panel or press + / - on the right side of the steering wheel to increase or decrease the volume of voice prompts.

Deactivating speech recognition

Press ⌿⤾ on the steering wheel. The voice command message disappears and the speech recognition session is ended.

Phone

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 can 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 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, iPod/iPhone models, or other devices.

Via the **Bluetooth** 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 menu

Press ⌂ and then select **SETTINGS**.

Select **Bluetooth** to display the Bluetooth menu.

⤺ Bluetooth	🎵
Device Information	1/2 ▲
Device Management	
Change Pairing PIN	
Ringtones	
Sort Order	▼
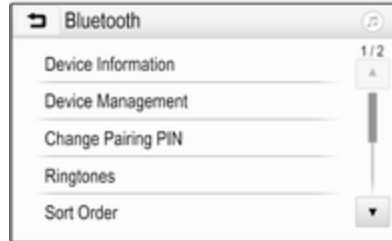
Pairing a device

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 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 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 user guide of the Bluetooth device.

2. Press ⌂ and then select **SETTINGS** on the Info-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 has to 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 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
In the hands-free mode, mobile phone operation continues to be possible, e.g. taking a call or adjusting the volume.

After the 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 supports all functions of the phone portal. 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 ⇨ 35.

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 ⇨ 35.

Press ⌂ and then select **PHONE**.

Select **Contacts** in the phone main menu.

Quick search

1. Select **⊞** to display a list of all contacts.
2. Scroll through the list of contacts entries.
3. Touch the contact you wish to call. A menu with all phone numbers stored for the selected contact is displayed.
4. Select the desired phone number to initiate the call.

Search menu

If the phone book contains a large number of entries, you can search for the desired contact via the search menu.

Select ⌕ in the **Contacts** menu to display the search tab.

The letters are organised in alphabetical groups on the screen buttons: **abc**, **def**, **ghi**, **jkl**, **mno**, **pqrs**, **tuv**, and **wxyz**.

Use ⇐ to delete an entered group of letters.

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 display 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 devices paired 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 watts
● 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 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.

Index

R300 BT

Introduction

General information

The Infotainment system provides you with state-of-the-art in-car infotainment.

Using the radio tuner functions, you can register a large number of stations on different favourites pages.

You can connect external data storage devices, e.g. iPod, USB devices, or other auxiliary devices to the Infotainment system as further audio sources; either via a cable or via Bluetooth.

The digital sound processor provides you with several preset equaliser modes for sound optimisation.

In addition, the Infotainment system is equipped with a Phone portal that allows comfortable and safe use of your mobile phone in the vehicle.

Optionally, the Infotainment system can be operated using the control panel or the controls on the steering wheel.

If provided by your mobile phone, the system can also be operated via speech recognition.

Note

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

Important information on operation and traffic safety

⚠ Warning

Drive safely at all times when using the Infotainment system.

If in doubt, stop the vehicle before operating the Infotainment system.

Radio reception

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

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

Theft-deterrent feature

The Infotainment system is equipped with an electronic security system for the purpose of theft deterrence.

The Infotainment system therefore functions only in your vehicle and is worthless to a thief.

Control elements overview

R300 BT

1 ⏻ 54

If switched off: short press: switch power on

If switched on: short press: mute system; long press: switch power off

Turn: adjust volume

2 **RADIO**

Activate radio or change waveband 60

3 **MEDIA**

Activate media or change media source 67

4 **⏮ ⏭**

Radio: short press: skip to previous or next station; press and hold: seek down or up 60

External devices: short press: skip to previous or next track; press and hold: rewind or fast forward 67

5 PHONE

Short press: open phone menu 70

6 **BACK**

Menu: one level back 56

Input: delete last character or entire entry 56

7 **MENU** 56

Turn: mark screen buttons or menu items; set numeric values

Press: select/activate a marked screen button or menu item; confirm set value; switch to different setting option; open application-specific menu (if available)

8 Softkeys

Favourites: press: select favourites; press and hold: save radio stations as favourites 61

Menu: press: select corresponding screen button 56

9 **FAV**

Press: display favourites bar 61

R300

1 ⏻ 54

If switched off: short press: switch power on

If switched on: short press: mute system; long press: switch power off

Turn: adjust volume

2 **RADIO**

Activate radio or change waveband 60

3 **MEDIA**

Activate media or change media source 67

4 **◄◄ ►►**

Radio: short press: skip to previous or next station; press and hold: seek down or up 60

External devices: short press: skip to previous or next track; press and hold: rewind or fast forward 67

5 **TONE**

Display tone settings menu

6 **BACK**

Menu: one level back 56

Input: delete last character or entire entry 56

7 **MENU** 56

Turn: mark screen buttons or menu items; set numeric values

Press: select/activate a marked screen button or menu item; confirm set value; switch to different setting option; open application-specific menu (if available)

8 AUX input

9 Softkeys

Favourites: press: select favourites; press and hold: save radio stations as favourites 61

Menu: press: select corresponding screen button 56

10 **FAV**

Press: display favourites bar 61

Steering wheel audio controls
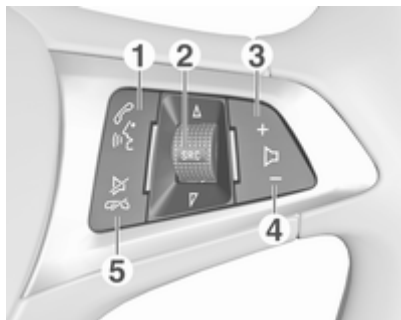
1 ✆ 📢

Short press: accept phone call 70

or dial number in call list 73

or switch between calls when Phone portal active and calls waiting: 73

Long press: activate speech recognition 69

2 SRC (Source) 54

Press: select audio source 54

With radio active: turn upwards/downwards to select next/previous preset radio station 60

With Phone portal active and call list open: turn upwards/downwards to select next/previous entry in call list 73

3 +

Increase volume 54

4 −

Reduce volume 54

5 🔇 📞

Short press: end/decline call 73

or close call list 73

or deactivate speech recognition 69

or activate/deactivate mute … 54

Usage

Control elements

The Infotainment system is operated via function buttons, a **MENU** knob and menus that are shown on the display.

Inputs are made optionally via:

● the control panel on the Infotainment system ⇨ 50

● audio controls on the steering wheel ⇨ 50

● the speech recognition ⇨ 69

Switching the Infotainment system on or off

Press ⟳ briefly. After switching on, the last selected Infotainment source becomes active.

Press and hold ⟳ again to turn the system off.

Automatic switch-off

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

Setting the volume

Turn ⏻; 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 ⇨ 57.

Speed compensated volume

When Auto volume is activated ⇨ 57, the volume is adapted automatically to make up for the road and wind noises as you drive.

Mute function

Press ⏻ to mute the audio sources.

To cancel the mute function: turn ⏻.

Modes of operation

Radio

Press **RADIO** to open the radio main menu or to toggle between the different wavebands.

For a detailed description of the radio functions ⇨ 60.

External devices

Press **MEDIA** repeatedly to activate the playback mode for a connected external device.

For a detailed description on connecting and operating external devices ⇨ 65.

Phone

Press **PHONE** to establish a Bluetooth connection between the Infotainment system and a mobile phone.

If a connection can be established, the main menu of the phone mode is displayed.

For a detailed description of mobile phone operation via the Infotainment system ⇨ 73.

If no connection can be established, a corresponding menu is displayed. For a detailed description of preparing and establishing a Bluetooth connection between the Infotainment system and a mobile phone ⇨ 71.

Basic operation

Basic operation

Control panel

MENU knob
The **MENU** knob is one of the central control elements for menu operation.

Turn:
● to select a screen button or menu item
● to scroll through a list of menu items
● to change a settings value

Press:
● to activate a selected screen button or menu item
● to confirm a changed settings value
● to switch to a different settings option
● to display the application-specific submenu

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

BACK button
When operating the menus, press **BACK** to return to the next higher menu level.

When entering digits, press **BACK** to delete the last character entered.

Softkeys
Press one of the softkeys to activate the favourite or function screen button displayed immediately above the respective softkey.

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

Tone settings
In the tone settings menu, the tone characteristics can be set differently for each audio source.

Press **MENU**, select **Settings** and then select **Tone Settings** to open the tone settings menu.

Setting bass, midrange, and treble

Scroll through the list and select **Bass**, **Midrange** or **Treble**.

Adjust the setting and confirm.

Setting the volume distribution between front and rear

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

Adjust the setting and confirm.

Setting the volume distribution between right and left

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

Adjust the setting and confirm.

Selecting a tone style

Scroll through the list and select **EQ** (Equaliser).

The EQ options offer optimised bass, middle, and treble presettings for the relevant style of music.

Turn **MENU** to toggle through the different options and then press **MENU** to confirm the setting.

Volume settings

Adjusting the speed compensated volume

Press **MENU** to open the respective audio menu.

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

Select **Auto Volume Control**.

The **Auto Volume** function can be deactivated or the degree of volume adaptation can be selected in the menu displayed.

Scroll through the list and select the desired option.

Adjusting the maximum startup volume

Press **MENU** to open the respective audio menu.

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

Select **Maximum Startup Volume**.

Set the desired value.

Volume of traffic announcements

To adjust the volume of traffic announcements, set the desired volume while a traffic announcement is given out by the system.

The respective setting is stored by the system.

System settings

Various settings and adaptions for the Infotainment system can be performed via the settings menu.

Settings
Phone Connection (MTP Only)
Time and Date
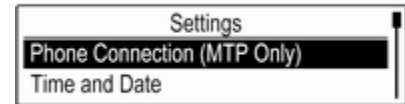
Time and date settings

Press **MENU** to open the respective audio menu.

Select **Time and Date**.

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

Select **Auto Set** at the bottom of the screen. Activate either **On - RDS** or **Off (Manual)**.

If **Off (Manual)** is selected, adjust hours and minutes.

Repeatedly select **12-24 HR** at the bottom of the screen to choose a time mode.

If the 12-hour mode is selected, a third column for AM and PM selection is displayed. Select the desired option.

Set Date
Select **Set Date** to enter the respective submenu.

Select **Auto Set** at the bottom of the screen. Activate either **On - RDS** or **Off (Manual)**.

If **Off (Manual)** is selected, adjust the date settings.

Language
Press **MENU** to open the respective audio menu.

Select **Settings**, scroll through the list and select **Vehicle Settings**.

Select **Languages**.

Scroll through the list and select the desired language.

Restore Factory Settings
Press **MENU** to open the respective audio menu.

Select **Settings**, scroll through the list and select **Vehicle Settings**.

Select **Restore Factory Settings** to enter the respective submenu.

Select the desired option and confirm the message.

Software Information
The **Software Information** menu contains specific information on the software.

Press **MENU** to open the respective audio menu.

Select **Settings**, scroll through the list and select **Vehicle Settings**.

Select **Software Information**.

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

Note
Vehicle-related messages remain enabled.

Locking the system
Press **MENU** to open the respective audio menu.

Select **Settings**, scroll through the list and select **Vehicle Settings**.

Select **Valet Mode**. A keypad is displayed.

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

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

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

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

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

Radio

Usage

```
BBC RADIO 2              [TP] 00:16
THE FAVOURITES                FM 🛰
ON THE ROAD AGAIN
```

Activating the radio function

Press **RADIO**.

Selecting the waveband

Repeatedly press **RADIO** on the control panel to toggle between the different wavebands.

Station search

Automatic station search

Press ◄◄ or ►► to play the previous or next station.

Manual station search

Press and hold ◄◄ or ►►. Release the button when the required frequency has almost been reached.

Manual tuning

Press **MENU** to open the waveband menu and then select **Manual Tuning**.

Depending on the waveband selected, a list of all frequencies is displayed.

Select the desired frequency.

Station lists

If the station list is updated, turn **MENU** to display a list of all stations currently receivable.

Scroll through the list and select the desired station.

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.

FM waveband ⇨ 62.

DAB ⇨ 63.

Press **MENU** to display the respective waveband menu and select **Categories**.

A list of programme type categories currently available is displayed.

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

Select the desired station.

Updating the station lists

Press **MENU** to open the waveband menu and select **Update Station List**.

The respective station list is updated.

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

Favourite lists

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

Favourites Page 4 / 6			
BBC 1	92.4	BBC 5	BBC 2
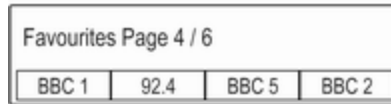
24 individual favourite locations are available, displayed in four favourites per favourites page.

To display the favourites list, select **FAV**.

Storing a station

Set the station to be stored.

Select and hold the respective favourite screen button until a beeping sound is given out and the station name is displayed on the respective favourites screen button.

The station is stored as a favourite.

Retrieving a station

If necessary, repeatedly press **FAV** to scroll to the respective favourites page.

Select the desired favourite screen button. The respective radio station is played.

Note
The active favourite is highlighted.

Defining the number of favourites shown

Press **MENU**, scroll through the list and select **Set Number of Favourite Pages**.

Select the desired option.

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

Radio data system (RDS)

RDS is a service of FM stations that considerably improves the finding of the desired station and its fault-free reception.

Advantages of RDS

● On the display, the programme name of the station appears instead of its frequency.

● During a station search the Infotainment system tunes in to RDS stations only.

● The Infotainment system always tunes into the best receivable broadcasting frequency of the set station by means of AF (alternative frequency).

● Depending on the station that is received, the Infotainment system displays radio text that can contain e.g. information on the current programme.

RDS settings

To configure the RDS settings options, activate the radio function and then select the FM waveband. Press **MENU** to display the FM waveband menu.

RDS
Set **RDS** to **On** or **Off**.

Note
If **RDS** is set to **Off**, RDS functions are not available.

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

Activate or deactivate **Traffic Program (TP)**.

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

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

If a traffic announcement is broadcasted on the respective radio traffic service station, a message is displayed.

To interrupt the announcement and return to the function previously activated, dismiss the alert.

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

Set **Region** to **On** or **Off**.

If regionalisation is switched on, alternative frequencies with the same regional programmes are selected where necessary.

If regionalisation is switched off, alternative frequencies of the stations are selected without regard to regional programmes.

Digital audio broadcasting

DAB broadcasts radio stations digitally.

Advantages of DAB

● DAB stations are indicated by the programme name instead of the broadcasting frequency.

● With DAB, several radio programmes (services) can be broadcasted on a single frequency (ensemble).

● Besides high-quality digital audio services, DAB is also able to transmit programme-associated data and a multitude of other data services including travel and traffic information.

● As long as a given DAB receiver can pick up the signal sent out by a broadcasting station (even if the signal is very weak), sound reproduction is ensured.

● In the event of poor reception, the volume is reduced automatically to avoid the output of disagreeable noises.

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

● Interference caused by stations that are on nearby frequencies (a phenomenon that is typical of AM and FM reception) does not occur with DAB.

● If the DAB signal is reflected by natural obstacles or buildings, the reception quality of DAB is improved, whereas AM or FM reception is considerably impaired in such cases.

● When DAB reception is enabled, the FM tuner of the Infotainment system remains active in the background and continually searches for the FM stations with the best reception. If TP ⇨ 62 is activated, traffic announcements of the FM station with the best reception are issued. Deactivate

TP if DAB reception should not be interrupted by FM traffic announcements.

DAB settings

To configure the DAB settings options, activate the radio function and then select the DAB waveband. Press **MENU** to display the DAB waveband menu.

DAB Announcements

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

Select **DAB Announcements** to display the DAB categories list.

Select the desired categories. The selected categories are marked with ✔.

Note

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

DAB to DAB Linking

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

Set **DAB to DAB Linking** to **On** or **Off**.

DAB to FM Linking

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

Set **DAB to FM Linking** to **On** or **Off**.

L Band

If **L Band** is activated, the Infotainment system receives an additional frequency range (1452 - 1492 MHz).

Set **L-Band** to **On** or **Off**.

Intellitext

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

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

External devices

General information

An AUX and USB socket for the connection of external devices is located in the centre console.

Two USB ports for charging devices only are located at the rear of the centre console.

Note

The sockets must always be kept clean and dry.

AUX input

It is possible to connect e.g. an iPod, a smartphone or another auxiliary device to the AUX input.

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.

The Infotainment system can play music files contained in auxiliary devices, e.g. iPod or smartphone.

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.

Caution

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

USB port

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

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

Note

Not all MP3 players, USB drives, iPod models or smartphones are supported by the Infotainment system.

The Infotainment system can play music files contained in USB storage devices or iPod/iPhone products.

Connecting/disconnecting a device

Connect the USB device or iPod to the USB port. For the iPod, use the appropriate connection cable.

Note

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

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

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

MTP device settings

For devices connected via MTP, additional settings can be adjusted in the settings menu.

In an active audio source, press **MENU**, scroll through the list and select **Settings**. Select **Phone Connection (MTP Only)**.

If you want the device to be only charged on the USB port, activate **Charge Only**. If you switch to the USB audio source while this setting is activated, you are prompted with a charging message.

If you wish to play music files stored on the device, activate **Scan Music Folder Only** or **Scan All Folder**.

Bluetooth

Bluetooth enabled audio sources (e.g. music mobile phones, MP3 players featuring Bluetooth, etc.), which support the Bluetooth profiles PBAP, HFP, A2DP and AVRCP can be connected wirelessly to the Infotainment system.

The Infotainment system can play music files contained in Bluetooth devices like iPod or smartphone.

Connecting/disconnecting a device

For a detailed description of the Bluetooth connection ⇨ 71.

Bluetooth device list

To access the Bluetooth device list, activate the Bluetooth audio source, press **MENU** and then select **Manage Bluetooth Devices**.

For a detailed description of the Bluetooth device list ⇨ 71.

File formats

Only devices formatted in the FAT16/32 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 playable MP3 and WMA files are the following:

● Bit rate: 8 kbps ~ 320 kbps
● Sampling frequency: 48 kHz, 44.1 kHz, 32 kHz (for MPEG-1) and 24 kHz, 22.05 kHz, 16 kHz (for MPEG-2)

MP3 files using VBR can be played.

When playing a file with ID3 tag information (version 1.0, 1.1, 2.2, 2.3, 2.4), the Infotainment system can display information, e.g. on the track title and artist.

Playing audio

Starting playback

Connect the device ⇨ 65.

Repeatedly press **MEDIA** to activate the desired media source.

Example: USB source.

```
The Favourites          [TP] 07:06
Miss you                    USB ⯌
00:01:59                       16°
```

Note
The following operation functions are not available for AUX devices.

Function buttons

Skipping to previous or next file
Press ⏮ or ⏭ to play the previous or next track.

If ⏮ is pressed within the first five seconds of the song playing, the system skips to the beginning of the current track.

Fast forwarding or rewinding
Press and hold ⏮ or ⏭ to rewind or fast forward.

Playback order

Press **MENU** in the respective audio source and scroll through the list to **Shuffle Songs**.

To play the songs on the device in random order, set **Shuffle Songs** to **On**.

To play the songs in normal order, set **Shuffle Songs** to **Off**.

Browsing for a song

Depending on the device, you may browse for songs in categories and subcategories or a folder structure.

Note
For this function to be available, the indexing process must be completed.

Categories
To browse for a song, press **MENU** in the respective audio source and then select **Browse**.

Navigate through the browse structure and select the desired track.

Folders

To browse a song, press **MENU** and then select **Folder View**. The folder structure on the respective device is displayed.

Navigate through the folder structure and select the desired track.

Speech recognition

General information

The voice pass-thru application of the Infotainment system allows access to the speech recognition commands on your smartphone. See your smartphone manufacturer's user guide 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 ⇨ 65 or via Bluetooth ⇨ 71.

Usage

Activating speech recognition

Press and hold ⌕⍆ on the steering wheel to start a speech recognition session. A voice command message is displayed on the screen.

As soon as a beep is heard, you can say a command. For information on the commands supported, see the operating instructions for your smartphone.

Adjusting the volume of voice prompts

Turn ⟳ on the control panel or press + / - on the right side of the steering wheel to increase or decrease the volume of voice prompts.

Deactivating speech recognition

Press ⍆⌗ on the steering wheel. The voice command message disappears, the speech recognition session is ended.

Phone

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, iPod/iPhone models, 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 user guide of the Bluetooth device.

Via the Phone portal, pairing (PIN code exchange between Bluetooth device and Infotainment system) and

connecting of the Bluetooth devices with the Infotainment system are carried out.

Pairing a device

Important information

● Up to five devices can be paired to the system.

● Only one paired device can be connected to the Infotainment system at a time.

● Pairing 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 establishes the connection automatically.

● Bluetooth operation considerably drains the device's battery. Therefore, connect the device to the USB port for charging.

Pairing the first device

1. Press **PHONE** and then select **Pair**.

   A message is displayed on the Infotainment system indicating

the name and PIN code of the Infotainment system.

2. Start Bluetooth searching on the Bluetooth device to be paired.

3. Confirm pairing:

   ● If SSP (secure simple pairing) is supported:

     Compare the PIN code (if demanded) and confirm the messages on the Infotainment system and the Bluetooth device.

   ● If SSP (secure simple pairing) is not supported:

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

4. The Infotainment system and the device are paired. The phone menu is displayed.

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

Note

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

Pairing another device

Press **PHONE**, scroll through the list and select **Bluetooth Devices**.

Press **Add** to start the pairing process of another device.

Proceed from step 2 of "Pairing the first device" (see above).

Connecting a paired device

Press **PHONE**, scroll through the list and select **Bluetooth Devices**.

Mark the desired device and select **Connect**.

If necessary, the device currently connected is disconnected. The selected device is connected.

Disconnecting a device

Press **PHONE**, scroll through the list and select **Bluetooth Devices**.

Mark the device currently connected and select **Disconnect**.

The device is disconnected.

Deleting a device

Press **PHONE**, scroll through the list and select **Bluetooth Devices**.

Mark the device you wish to delete from the device list and select **Delete**.

The device is deleted.

Emergency call

⚠ Warning

Connection setup cannot be guaranteed in all situations. For this reason you should not rely exclusively on a mobile phone when a vitally important communication (e.g. a medical emergency) is concerned.

In some networks it may be necessary for a valid SIM card to be properly inserted in the mobile phone.

⚠ Warning

Bear in mind that you can make and receive calls with the mobile phone, if it is in a service area with a sufficiently strong signal. Under certain circumstances emergency calls cannot be made on all mobile phone networks; it is possible that they cannot be made when certain network services and/or telephone functions are active. You can enquire about this with the local network operators.

The emergency call number can differ depending on the region and country. Please enquire beforehand about the correct emergency call number for the relevant region.

Making an emergency call

Dial the emergency call number (e.g. **112**).

The telephone connection to the emergency call centre is set up.

Answer when the service personnel questions you about the emergency.

⚠ Warning

Do not end the call until you are requested to do so by the emergency call centre.

Operation

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

Note

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

Initiating a phone call

Keypad
Press PHONE to display the phone menu.

MyPhone   ◼ ▾ₐₗₗ
Recent Calls
Contacts
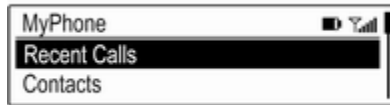
Scroll through the list and select Keypad. The keypad is displayed.

0123456|

Call   1 2 3 4 5 6 7 8 **9** 0 ⌫ * # +

Turn MENU to highlight the digit you wish to enter and then press MENU to select the respective digit. Enter the desired number.

Select ⌫ or press BACK to delete digits.

Select Call to initiate the phone call.

Contacts
Press PHONE to display the phone menu.

Select Contacts. The contacts list is displayed.

Scroll through the list and select the desired contacts entry. The contact is displayed.

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

Calls lists
Press PHONE to display the phone menu.

Select Recent Calls. The recent calls list is displayed.

Depending on which call you are searching for, select Missed, Received or Sent.

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

Incoming phone call

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

A message with the caller's name or number is displayed.

```
Incoming Call
▣ David Blue
 Answer    Ignore
```

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

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

Functions during a phone call

During a phone call, the in-call view is displayed.

```
David Blue              00:06:42
▣ 0987654321
 End    Mute   Handset  Keypad
```
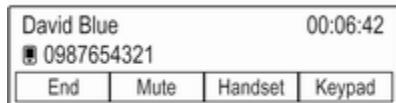
Ending a phone call
Select **End** to end the call.

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 **Hands-free**.

To reactivate the hands-free function, select **Hands-free**.

Second incoming phone call

If a second phone call comes in, another message with the caller's name or number is displayed.

To answer the second call and set the first call on hold, select **Switch**.

To reject the call, select **Ignore** in the message.

Switching between the phone calls
Press **PHONE** or ✆ on the steering wheel audio control to toggle between the two calls.

Information on the call currently active are shown on the display.

Ending the phone calls
The calls can be ended one at a time.

Select **End**. The call currently active is ended.

Text messages

Text messages which are received while a phone is connected to the Infotainment system can be displayed on the Info-Display.

Prerequisites

The following prerequisites must be met:

● The Bluetooth function of the respective phone must be activated (see user guide of the device).

● Dependent on the phone, it may be required to set the device to "visible" (see user guide of the device).

- The respective phone must be paired and connected to the Infotainment system. For a detailed description ⇨ 71.
- The respective phone must support Bluetooth Message Access Profile (BT MAP).

Viewing a message

Note
If the vehicle is going faster than 8 km/h, the text message is not displayed on the screen.

When a new text message is received, a message is displayed.

```
New Text
Blue, David
  View   Dismiss
```

Select **View** to read the message.

Mobile phones and CB radio equipment

Installation instructions and operating guidelines

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

Recommendations for fault-free operation:
- The exterior antenna needs to be professionally installed to obtain the maximum range possible.
- Maximum transmission power: 10 watts.
- The mobile phone needs to 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.

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