



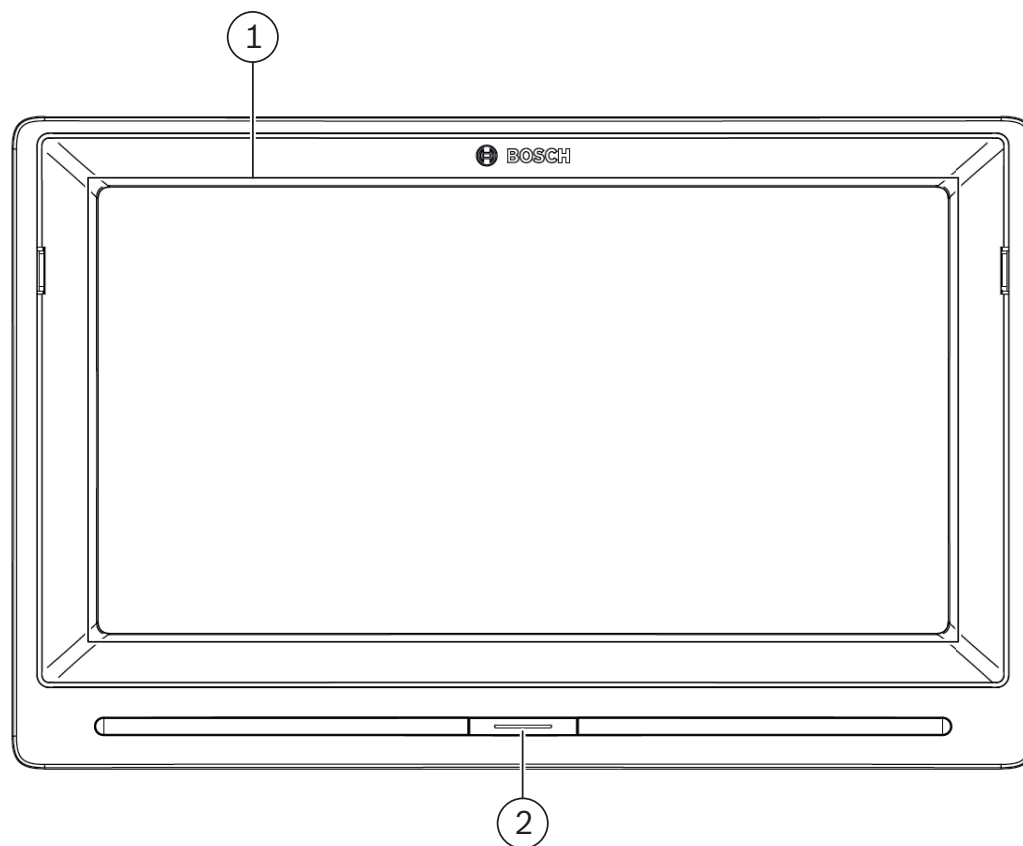
Center CM-C 19

7 620 350 070 (EU)
7 620 350 071 (NAFTA)
7 620 350 076 (Mexico)

en Operating instructions



(NAFTA only)



(1) Display

(2) On/off button

Short press:

Device off: switch the device on

Device on: mute/unmute the audio playback in the active area (cockpit or cabin)

Medium press (~ 3 seconds): return to home menu of the active area (cockpit or cabin)

Long press (~ 5 seconds): switch the device off



Note:

If your vehicle is equipped with a steering wheel control, some functions of the device may be accessible via the steering wheel control. Please refer to the vehicle manual for more information.

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1 Regulatory information

1.1 EU variant (7 620 350 070)

For the European Union

Hereby, Robert Bosch GmbH declares that the radio equipment type Center CM-C 19 is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: www.bosch-professional-systems.com

- ▶ Frequency band
2,400 – 2,480 MHz
- ▶ Radiated power (EIRP)
Bluetooth ≤ 2.5 mW
- ▶ Hints/restrictions
 - Internal antenna:
Internal antenna not accessible by user.
 - Any change made by the user will violate the legal approval of this product.

For the United Kingdom

Hereby, Robert Bosch GmbH declares that the radio equipment type Center CM-C 19 is in compliance with the relevant statutory requirements. The full text of the declaration of conformity is available at the following internet address: www.bosch-professional-systems.com

1.2 NAFTA variant (7 620 350 071)

For the United States of America

Model name: Center CM-C 19

This device complies with part 15 of the FCC rules and with RSS-GEN of Innovation, Science and Economic Development Canada. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications made to this equipment not expressly approved by Robert Bosch GmbH may void the FCC authorisation to operate this equipment.

NOTE: This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference via one or more of the following measures:

- ▶ Reorient or relocate the receiving antenna.
- ▶ Increase the separation between the equipment and receiver.
- ▶ Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- ▶ Consult the dealer or an experienced radio/TV technician for help.

This equipment should be installed and operated with a minimum distance of 20 cm between the transmitter and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

For Canada

Model name: Center CM-C 19

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and

- (2) this device must accept any interference received, including interference that may cause undesired operation.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) L'appareil ne doit pas produire de brouillage préjudiciable;
- (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

1.3 Mexico variant (7 620 350 076)

For Mexico

IFT/IFETEL: RCPBOCE20-0672

Marca: Bosch

Modelo: Center CM-C 19

La operación de este equipo está sujeta a las siguientes dos condiciones:

- (1) este equipo no puede causar interferencias perjudiciales y
- (2) este equipo debe aceptar cualquier interferencia recibida, incluyendo las que puedan causar un funcionamiento no deseado.

2 Symbols used in this document

Symbols that appear with text within a grey box are warnings and always indicate an immediate or potential hazard to the user and/or other people and/or damage to objects:



Safety notice

Warns of:

- an immediate danger that could cause serious personal injury or death.
- a potentially dangerous situation that could cause serious personal injury or death.
- a potentially dangerous situation that could cause personal injury or damage to property.



Important note:

Warns of a potentially hazardous situation in which the device or any other object in the vicinity could be damaged.

In addition to these warnings, the following symbols are also used:



Note:

Additional details about the application and further useful information.

- Single-step procedure – instructions for a procedure that can be completed in just one step

- Bulleted list

Italic letters such as *Balance* indicate such elements as the name of a menu or menu item.

Bold letters such as **Language** indicate a button or menu item that you can tap in order to access a function or to display further options.

3 Important information

Before using the device, please read these instructions carefully and familiarise yourself with the device. Keep these instructions in your vehicle for later reference.

Intended use

The Center CM-C 19 must be installed in a 1-DIN compartment with space for a 2-DIN front face in the dashboard of a coach.

The operating voltage of the device is provided by the Amplifier CM-A 19.

The device must not be operated in any other environment, or in an intended environment that is compromised, e.g. by damage or malfunction.



Road safety

- ▶ The device may only be operated by drivers who have been trained to a professional standard. The device may only be operated when the driving and traffic situation allow you to do so. Before starting to use the device, make sure there is no danger, hindrance, or inconvenience to you, your passengers, or other road users. The road traffic regulations apply at all times.
- ▶ The device must be used in such a way that the vehicle can be driven safely at all times. If in doubt, stop your vehicle and operate the device while the vehicle is stationary.
- ▶ You must always be able to hear police, fire service, and ambulance sirens in good time from inside your vehicle. For this reason, when using your device, make sure that the volume is set to a level that is appropriate for the particular driving and traffic situation.
- ▶ Do not use the device for microphone announcements in an emergency.



- ▶ The usage of the navigation system does not absolve the driver of the responsibility of driving properly and vigilantly. The relevant traffic regulations must always be followed. If a navigation instruction contradicts traffic regulations, the traffic regulations always apply.
- ▶ The navigation system is optimised for trucks. Coach-specific information or restrictions may not be considered.
- ▶ The route guidance provided by the device may not be completely accurate. Ensure that all driving manoeuvres are legal and safe in order to avoid accidents.



Risk of electrical shock or fire

If you disassemble the device, it may result in electrical shock or fire. Do not open the device.



Malfunctions

Do not use the device if you notice any malfunctions such as a frozen screen or poor audio quality. Continued use of a malfunctioning system may result in accidents, fire, or electrical shock.

Important note:

In standby mode, the device may drain the battery when the vehicle's engine is not running.

For further details on this, please read the section entitled "4.2 Switching the device on/off" (page 11).

- ▶ Only use connecting cables and external devices that are appropriate with regard to safety, electromagnetic compatibility, and grade of shielding.
- ▶ The device must not come into contact with hot or burning objects (e.g. cigarettes).

**Note:**

Some pixels in the display are darker or brighter than others. This condition is an inherent characteristic of liquid crystal displays, and it is not a malfunction.

3.1 Cleaning information

- ▶ To clean the device, never use hard or sharp objects that could damage the protective pane or housing.
- ▶ Do not use aggressive cleaning agents, such as thinners, benzine, abrasive cleaners, spray cleaners, acidic or alkaline solutions, or wax.
- ▶ Do not spray any liquids onto the device.
- ▶ To clean the housing and protective pane/display, moisten a soft cloth with tepid water and wipe off the dirt. Make sure that no liquid enters the inside of the display. Afterwards, wipe the cleaned surface with a clean, dry cloth.

4 Operation

4.1 Touchscreen controls

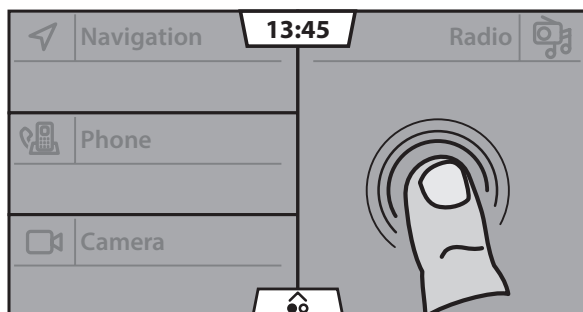

Important note:

Do not use pointed or hard items such as ballpoint pens or pencils for touch screen operation.


Note:

The figures in this manual depicting the device's displays and front panel are for reference purposes only. The displays shown here may differ from the actual displays on the device.

The device is equipped with a touchscreen that provides all the controls:



When you want to operate a control, such as an on-screen button, all you need to do is gently touch the relevant area of the display surface. You do not need to exert pressure on the display surface.

4.1.1 Tapping

- ▶ Short tap: a short tap on the display surface is sufficient to operate most controls.
- ▶ Long tap: some functions require a long tap. In this case, keep your fingertip on the display surface for around 2 seconds.

4.1.2 Swiping

Some functions require you to swipe your finger over the display surface, e.g.:

- ▶ switching between cockpit and cabin home menu.
- ▶ scrolling through lists and tabs.
- ▶ adjusting sliders (e.g. media playback progress bar).

Touch the display surface and let your finger rest on the surface. Then move your finger over the surface.


Note:

Tap an area of the scroll bar to skip to the corresponding section of the list.

4.1.3 Zooming in the map view


Note:

This function is only available if the device is equipped with a navigation system.

Place two fingers on the map display area and let your fingers rest on the surface. Then move your fingers towards one another (zoom out) or away from one another (zoom in).

4.1.4 Scrolling in the visible map area


Note:

This function is only available if the device is equipped with a navigation system.

Touch the map display area and let your finger rest on the surface. Then move your finger over the surface to scroll in the displayed section of the map.

4.2 Switching the device on/off

The device is automatically switched on and off with the vehicle ignition.



Note:

During the system's booting process on initial start-up, the different modules of the system software are loaded step by step. If a module is not yet available, the corresponding tile in the home menu shows "Function not available" and the corresponding system settings are greyed out.

To switch the device to standby mode,

- ▶ press the on/off button for about 5 seconds. In standby mode, the display is switched off and operation is not possible.

To switch the device back to normal operation,

- ▶ press the on/off button.

4.3 Adjusting the volume

4.3.1 Increasing/decreasing the volume

- ▶ Tap the bottom menu tab.
- ▶ In the bottom menu, tap the **+** or **-** button to incrementally increase or decrease the volume.

4.3.2 Muting audio playback

To mute/unmute the audio playback in the active area,

- ▶ briefly press the on/off button
- or
- ▶ tap the bottom menu tab and,
- ▶ in the bottom menu, tap the button.

4.4 Home menu for the cockpit and the cabin

The cockpit and cabin home menus give you access to all main modes of operation.

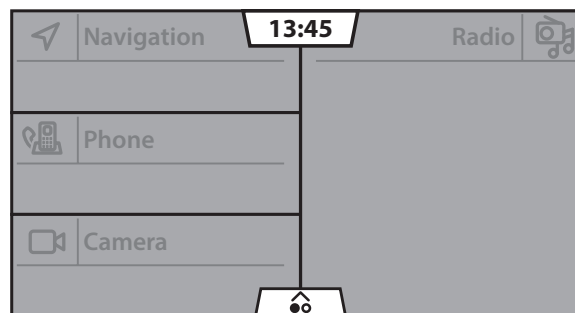
4.4.1 Home menu for the cockpit

- ▶ Press the on/off button for about 3 seconds to open the home menu.

If the cabin home menu is displayed,

- ▶ swipe to the right (see next section) to switch to the cockpit home menu.

The main operating modes of the cockpit are displayed:



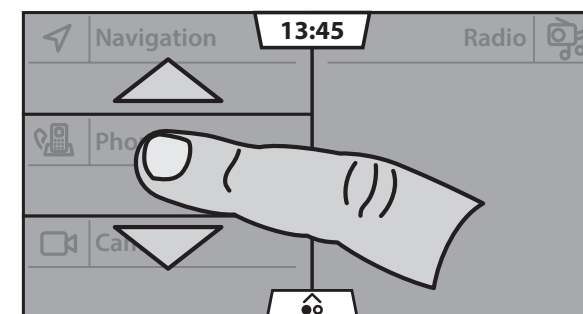
To access the desired main mode in the left column,

- ▶ if necessary, swipe up or down.



Note:

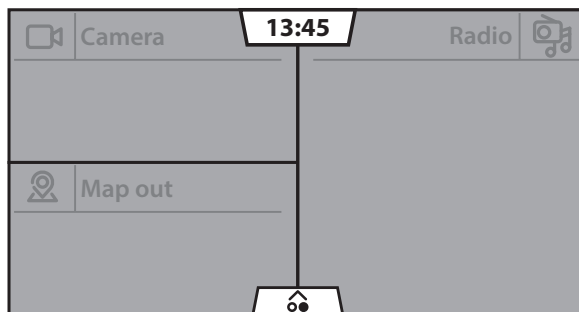
If your device is equipped with just four main operating modes for the cockpit, all corresponding tiles can be directly accessed without swiping.



4.4.2 Home menu for the cabin

- Press the on/off button for about 3 seconds to open the home menu.
- If the cockpit home menu is displayed,
 - swipe to the left (see next section) to switch to the cabin home menu.

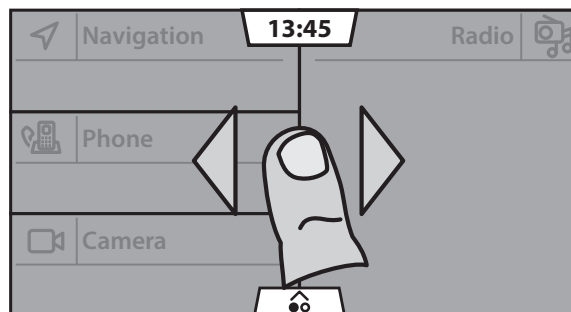
The main operating modes of the cabin are displayed:



4.4.3 Switching between the home menus

To switch between the cockpit home menu and the cabin home menu,

- swipe to the left (home menu for the cabin appears) or
- swipe to the right (home menu for the cockpit appears).



Note:

- You can also switch between the cabin and cockpit home menus by pressing the on/off button for about 3 seconds.
- If your system supports two cabins, swipe left twice to get from the cockpit to the second cabin, and right twice to return to the cockpit.

4.4.4 Directly selecting functions in the home menu



Note:

Particular functions may not be available if

- the ignition is turned off,
- the system is not configured for the function, or
- required system components are not installed in your vehicle.

In this case, the corresponding tile of the home menu shows "Function not available".

The *Radio* tile



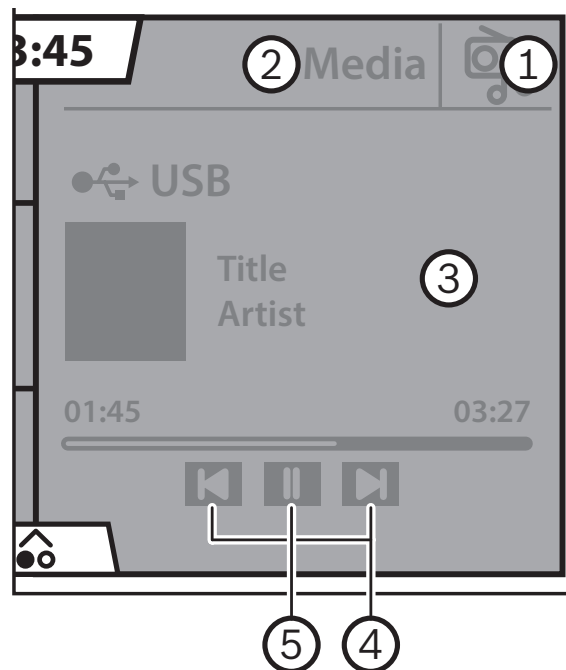
Information on the *Radio* tile:

- ▶ Current radio source (e.g. FM, AM)
- ▶ TA icon (traffic message priority status)
- ▶ Active mute icon
- ▶ Details about the current radio station (e.g. frequency and station name)

Functions on the *Radio* tile:

- ▶ Tap the icon (1) to toggle between radio and last media source.
- ▶ Tap the title bar (2) to display the available media and radio sources and, if necessary, to select a different source.
- ▶ Tap the main section (3) to call up the radio or media display of the current playback.
- ▶ Tap the ◀ or ▶ button (4) to start seek tuning.
- ▶ Tap the **SCAN** button (5) to start scanning stations.

The *Media* tile



Information on the *Media* tile:

- ▶ Current media source (e.g. USB)
- ▶ TA icon (traffic message priority status)
- ▶ Active mute icon
- ▶ Details about the current media title (e.g. title and artist name)

Functions on the *Media* tile:

- ▶ Tap the icon (1) to switch to radio playback.
- ▶ Tap the title bar (2) to display the available media and radio sources and, if necessary, to select a different source.
- ▶ Tap the main section (3) to call up the media display of the current playback.
- ▶ Tap the ◀ or ▶ button (4) to skip to the previous or next title.
- ▶ Tap the ⏸ / ▶ button (5) to pause/resume playback.

The *Navigation* tile



Note:

Only available for the cockpit.



Information on the *Navigation* tile:

- ▶ Name of the current street
- ▶ Symbol of the next manoeuvre
- ▶ Estimated time of arrival
- ▶ Distance to the destination

Functions on the *Navigation* tile:

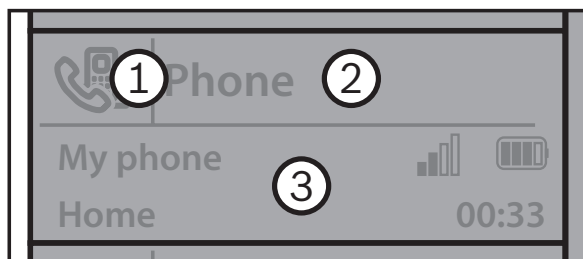
- ▶ Tap the icon (1) to pause or resume already active route guidance.
- ▶ Tap the title bar (2) to open the Destinations menu. If route guidance is not active, the *New* tab is opened. If route guidance is active, the *Route* tab is opened.
- ▶ Tap the main area (3) to display the map view.

The *Phone* tile



Note:

Only available for the cockpit.



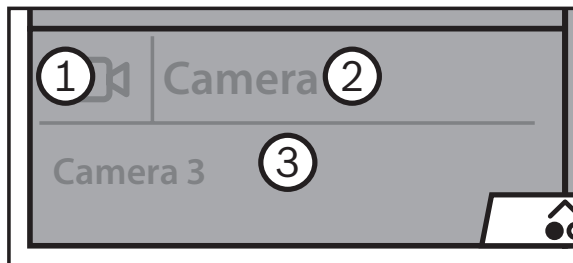
Information on the *Phone* tile:

- ▶ Name of the connected mobile phone
- ▶ Indication of missed calls
- ▶ Display of phone status (e.g. signal strength)
- ▶ Battery status

Functions on the *Phone* tile:

- ▶ If multiple phones or one or more phones and the onboard intercom are connected, tap the icon (1) to switch between the connected phones or between the connected phone(s) and the onboard communication (intercom).
- ▶ Tap the title bar (2) to display the available Bluetooth and intercom phones and select another phone, if necessary.
- ▶ Tap the main section (3) to access the *Calls* menu or, if no phone is connected, the *Select Bluetooth device* menu.

The *Camera* tile



Information on the *Camera* tile:

- ▶ Currently selected camera

Functions on the *Camera* tile:

- ▶ Only for the cabin: tap the icon (1) to turn playback of the current camera in the cabin on or off.
- ▶ Tap the title bar (2) to display the available cameras and select another camera, if necessary.

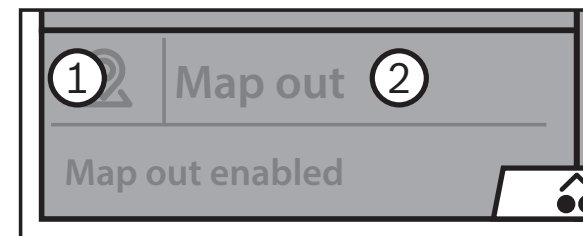
- ▶ Tap the main area (3) to display the image of the current camera or, for the cabin, display the available cameras.

The *Map* tile



Note:

Only available for the cabin.



Functions on the *Map* tile:

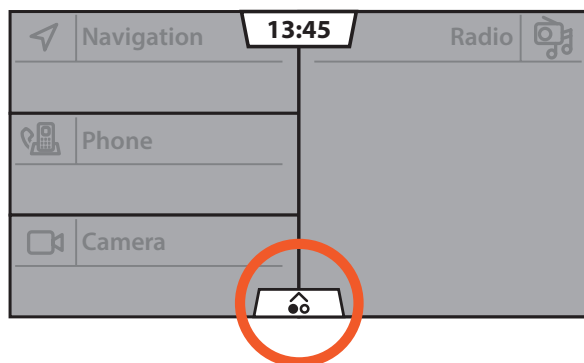
- ▶ Tap the icon (1) or the title bar (2) to display or hide the map view of the navigation in the cabin.



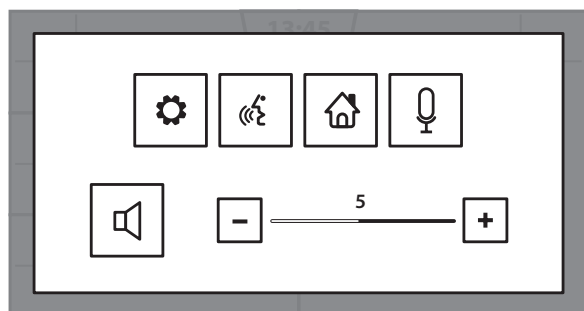
Note:

3D map view option inaccessible while navigation is displayed on "Glasses CM-G"/"Map out" feature is active (additional pop-up is shown on the display).

4.4.5 Bottom menu



- ▶ Tap on the tab at the bottom of the screen.



Note:

Depending on whether you open the system functions from the home menu for the cockpit or for a cabin, the selected function may refer to the corresponding area.

- ▶ Tap to make a microphone announcement.
- ▶ Tap to open the system settings.
- ▶ Tap to start voice control (only if the cockpit is active).
- ▶ Tap to return to the home menu.
- ▶ Tap to mute or unmute the audio in the cockpit.

To increase or decrease the volume gradually,
▶ tap + or – on the volume control.

4.5 Displays of the main operating modes



Note:

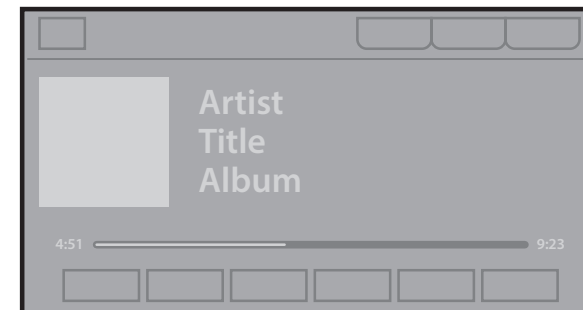
For the functions of the main operating modes, please refer to the corresponding chapters of this manual.

4.5.1 Listening to the radio and playing media

FM tuner display:



USB display:



4.5.2 Phone

Phone menu, *Calls* list:

| Phone X | | |
|-------------|----------|------------|
| Calls | Contacts | Dial pad |
| Contact 017 | 2 | 12-06-2021 |
| Contact 002 | 1 | 12-06-2021 |
| Contact 005 | 1 | 11-06-2021 |
| Contact 103 | 4 | 07-06-2021 |
| Contact 001 | 1 | 29-05-2021 |



Note:

If provided by your mobile phone, the *Calls* list will show the number or contact name of the caller and the number of calls.

4.5.3 Navigation



Note:

Only if your device is equipped with a navigation system.

Map view:



4.5.4 Switching between the displays of the main operating modes

You can switch from the display of one main operating mode directly to the display of another main operating mode:

- ▶ Tap the corresponding button at the top edge of the display.



4.6 Sound settings

To adjust the sound settings,

- ▶ if necessary, first call up the home menu for the desired area (cockpit, cabin).
- ▶ Tap the tab at the bottom of the screen.
- ▶ Tap the button.

The system settings are displayed.

- ▶ Tap **Sound settings**.



Note:

- ▶ The sound settings for the cockpit and cabin provide different options.
- ▶ To scroll through the available settings, touch the list area and swipe up or down.
- ▶ Tap to return to a higher menu level or leave the menu.

4.6.1 Cockpit sound settings

| 1st menu level | 2nd menu level | 3rd menu level | Function |
|----------------|--------------------------------|--|---|
| Sound settings | Bass | | ▶ Tap — or + to decrease or increase the value. |
| | Treble | | ▶ Tap — or + to decrease or increase the value. |
| | Balance | | ▶ Tap < / > to shift the sound towards the left or right. |
| | Equaliser presets | Flat | Select a preset equaliser profile. ▶ Tap the desired preset. |
| | | : | |
| | | Jazz | |
| | Speed-dependent volume control | Off | This function automatically adjusts the volume of the coach sound system to the speed driven and the associated driving noises. For example, at a higher speed, the volume is automatically increased to compensate for the increased driving noise. ▶ Tap the desired option. |
| | | Level 1 | |
| | | Level 2 | |
| | | Level 3 | |
| | Min. on volume | | Set the minimum/maximum system volume when switching the device on. ▶ Tap — or + to decrease or increase the value. |
| | Max. on volume | | |
| | Private-mode mix volume | | Set the distribution of the volume between phone calls played over the headrest loudspeaker and the background audio playback over the cockpit loudspeakers. ▶ Tap — or + to decrease or increase the value. |
| | Private mode | Private mode off | Deactivate private mode (the playback of certain sources only over the headrest loudspeaker) or select the level for private mode: ▶ <i>Private communication mode</i> (default mode): phone calls, intercom calls ▶ <i>Private communication and driver assistance mode</i> : phone calls, intercom calls, navigation and traffic announcements, speech dialogue system ▶ Tap the desired option. |
| | | Private communication mode | |
| | | Private communication and driver assistance mode | |
| : | | | |


4.6.2 Cabin sound settings

| 1st menu level | 2nd menu level | 3rd menu level | Function |
|----------------|------------------------|----------------|--|
| Sound settings | Bass | | ▶ Tap — or + to decrease or increase the value. |
| | Treble | | ▶ Tap — or + to decrease or increase the value. |
| | Fader | | ▶ Tap < / > to shift the sound towards the front or rear. |
| | Min. on volume | | Set the minimum/maximum system volume when switching the device on. |
| | Max. on volume | | ▶ Tap — or + to decrease or increase the value. |
| | Cabin-mode mix volume | | Set the distribution of the volume between microphone announcements played over the cabin loudspeakers and the background audio playback (min. mix volume: background audio is muted; max. mix volume: background audio is played with full volume). Note: for driver microphone announcements, background audio is always muted. ▶ Tap — or + to decrease or increase the value. |
| | Microphone beep volume | | ▶ Tap — or + to decrease or increase the value. |
| : | | | |

4.7 Display, clock, and language settings


To adjust the display, clock, and language settings,



- ▶ if necessary, first call up the home menu for the cockpit.

- ▶ Tap the tab at the bottom of the screen.
 - ▶ Tap the  button.
- The system settings are displayed.
- ▶ Tap the desired option.



Note:


- ▶ To scroll through the available settings, touch the list area and swipe up or down.
- ▶ Tap  to return to a higher menu level or leave the menu.

| 1st menu level | 2nd menu level | 3rd menu level | Function |
|----------------|--------------------|----------------|---|
| : | | | |
| Display | Brightness | | Manually adjust the display brightness of the current mode. ▶ Tap  or  to decrease or increase the value. |
| | Mode | Day | Choose an option: ▶ <i>Day</i> : day mode ▶ <i>Night</i> : night mode ▶ <i>Automatic</i> : if supported by your vehicle, the display switches between day and night mode automatically. ▶ Tap the desired option. |
| | | Night | |
| | | Automatic | |
| | | | |
| Clock | Date format | dd-mm-yyyy | The selected date format refers to the display of the date, e.g. in the <i>Calls</i> list of the phone mode. ▶ Tap the desired option. |
| | | : | |
| | | dd.mm.yyyy | |
| | Time format | 12 h | The selected time format refers to the display of the time, e.g. in the home menu. ▶ Tap the desired option. |
| | | 24 h | |
| | Clock setting mode | Automatic | ▶ Tap the desired option. |
| | | Manual | If you select <i>Manual</i> , the options for setting the time manually are displayed. |
| Language | UK English | | Set the language to be used by the device. ▶ Tap the desired option. |
| | : | | |
| | Türkçe | | |
| : | | | |

4.8 Further system settings


To adjust the system settings,

- ▶ if necessary, first call up the home menu for the cockpit.
- ▶ Tap the tab at the bottom of the screen.

- ▶ Tap the  button.
The system settings are displayed.
- ▶ Tap the desired option.



Note:

- ▶ To scroll through the available settings, touch the list area and swipe up or down.
- ▶ Tap  to return to a higher menu level or leave the menu.


| 1st menu level | 2nd menu level | 3rd menu level | Function |
|---------------------------|------------------------------------|----------------|---|
| : | | | |
| Unit of measurement | Imperial | | The device can use metric or imperial units of measurement. ▶ Tap the desired option. |
| | Metric | | |
| Lock keypad while driving | | | Set whether keypads should be disabled while the vehicle is moving. If the speed lock is activated, you will only be able to use keypads while the vehicle is stationary. ▶ Tap <i>Lock keypad while driving</i> to turn on/off this option. |
| Open-source software | | | View information about the open-source software used by this device, and any associated licences. ▶ Tap this option. |
| Reset to user defaults | | | Confirmation required to reset settings. |
| Software version | Center CM-C 19 | | View the currently installed software version of the system components. ▶ Tap the desired system component to view possible error messages. |
| | : | | |
| | <Component N> | | |
| Vehicle configuration | <Vehicle configuration identifier> | | View reference information about the configuration of the vehicle's Coach Infotainment system. |
| | <Configuration version> | | |
| | <Configuration engine version> | | |
| Data carrier version | | | View the version of the installed map data. |

| 1st menu level | 2nd menu level | 3rd menu level | Function |
|-------------------------|---|------------------------|---|
| Serial number | | | View the serial number of the device. |
| Software update | | | See the following section “Software update”. |
| Software update history | <Update 1> | <Update 1 information> | View information about updates of the system devices. |
| | : | | |
| | <Update N> | <Update N information> | |
| Switch on/off Bluetooth | | | Activate or deactivate Bluetooth. ► Tap Switch on/off Bluetooth to turn on/off this option. |
| Service menu | The service menu is passcode-protected and only available to service partners. Important note for service partners: If you carry out a software update, ► do not interrupt the power supply during the system update process. ► be aware that during the system update process the system including the rear-view camera is not available. | | |

4.9 Glass settings

To adjust the settings for the cabin monitors,

- ▶ if necessary, first call up the home menu for the cabin.


- ▶ Tap the tab at the bottom of the screen.
- ▶ Tap the  button.

The system settings are displayed.

- ▶ Tap **Glass settings**.



Note:

- ▶ To scroll through the available settings, touch the list area and swipe up or down.
- ▶ Tap  to return to a higher menu level or leave the menu.

| 1st menu level | 2nd menu level | 3rd menu level | Function |
|----------------|-----------------|----------------|--|
| : | | | |
| Glass settings | Monitor control | Auto | Turn the connected monitors on or off or select automatic mode (monitors are turned on/off automatically, e.g. when video playback starts/ends). ▶ Tap the desired option. Note: Monitors that are mounted on a SwivelHolder will automatically fold down or up when turned on or off. |
| | | On | |
| | | Off | |
| : | | | |

4.10 Connecting/inserting external devices and data storage devices



Note:

Only use connecting cables and external devices that are appropriate with regard to safety, electromagnetic compatibility, and grade of shielding.

4.10.1 General information



Note:

For more information about supported media formats, technical constraints concerning file playback, metadata, and pre-processing of files, please refer to the Coach Infotainment system multimedia guideline available at: www.bosch-professional-systems.com

The device supports the following media file formats:

- ▶ Audio:
 - MP3
 - WMA 9/10
 - AAC
 - WAV
 - Audiobooks
- ▶ Video up to 720p resolution:
 - H.264/MPEG-4 AVC baseline profile
 - MPEG-2

The following restrictions apply to the data stored on external devices connected to the USB port:

- ▶ Supported file systems:
 - FAT16/32
 - exFAT
 - NTFS
 - EXT3/4
 - HFS+
- ▶ Max. ten folders in depth hierarchy are supported.
- ▶ Max. folders: 2,500 in total
- ▶ Max. files: 32,000 in total
- ▶ Max. files per directory: 3,000 (subfolders excluded)
- ▶ Max. size of mass-storage device: 500 GB
- ▶ Max. URL/file path length: 1,024 bytes
- ▶ Applicable playlist extensions:
 - .m3u
 - .pls
 - .wpl
 - .asx

MP3

- ▶ Codecs
 - ISO/IEC 11172-3 (MPEG1 layer 3)
 - ISO/IEC 13818-3.2 (MPEG2 audio)
- ▶ Bitrates
 - 8 Kbps to 320 Kbps with CBR/VBR/ABR
- ▶ Sample rates: 16, 22, 32, 44.1, and 48 kHz
- ▶ Channels: mono, stereo, joint stereo
- ▶ File extension: .mp3

- ▶ ID3 tags:
 - ID3 V1.0/V1.1, max. length 30 bytes
 - ID3 V2.2–V2.4, max. length 126 bytes

AAC

- ▶ Codecs
 - AAC-LC
 - HE-AAC
 - HE-AACv2
- ▶ Bitrates
 - 32 Kbps to 192 Kbps with VBR/CBR
- ▶ Sample rates
 - Up to 96 kHz

WMA

- ▶ Codecs
 - WMA 9
 - WMA 10
- ▶ Bitrates
 - 5 Kbps to 384 Kbps with VBR/CBR
- ▶ Sample rates:
 - 8 kHz to 48 kHz
- ▶ WMA files with digital rights management (DRM) from online music shops cannot be played.
- ▶ WMA files can only be played back if they were created using Windows Media Player version 9 or 10.

4.10.2 USB storage device/Apple device

General information

- ▶ The external devices connected to the USB port must comply with the USB mass storage class (USB MSC) specification.
- ▶ Devices connected via USB are supported according to USB specification 2.0. Devices with USB specification 1.0 and 3.0 are compatible.
- ▶ Hard disk drives (HDDs) are not generally supported.
- ▶ USB hubs are not supported.

Connecting and removing a USB storage device or Apple device

To connect a USB storage device or Apple device,

- ▶ connect it to the USB port.

A corresponding notification appears briefly on the display when the device detects the USB storage device or Apple device.

To remove a USB storage device or Apple device,

- ▶ pull it out of the USB port.
A corresponding notification appears briefly on the display.

4.10.3 Connecting a device via Bluetooth



Note:

- ▶ You can connect up to two Bluetooth devices to the device.
- ▶ The procedures described in this chapter apply to Bluetooth mobile phones as well as to Bluetooth audio-streaming devices such as a Bluetooth MP3 player.

General information

The device supports Bluetooth 4.2 and the following Bluetooth profiles and standards:

- ▶ A2DP 1.3
- ▶ AVRCP 1.6
- ▶ HFP 1.6
- ▶ MAP 1.1
- ▶ PBAP 1.1
- ▶ SPP 1.1
- ▶ fvCards 2.1, 3.0

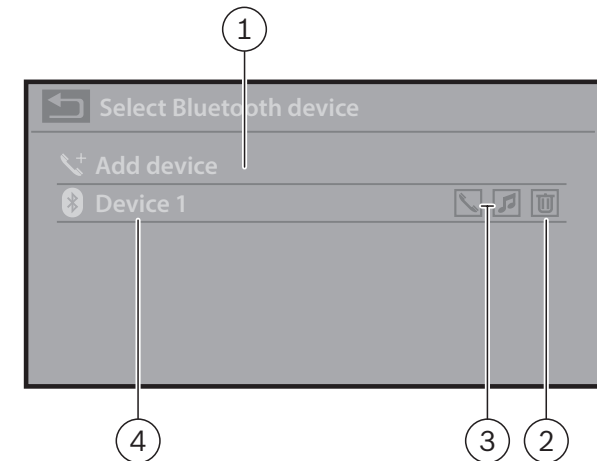
Turning Bluetooth on

- ▶ If necessary, first call up the home menu for the cockpit.
- ▶ Tap the bottom menu tab and then tap the button.
- ▶ Tap **Switch on Bluetooth**.
Bluetooth is turned on when a tick is displayed in the box.
- ▶ Tap to leave the menu.

Opening the *Select Bluetooth device* menu

- ▶ In the home menu, if necessary, tap the icon of the *Intercom* tile to switch to the *Phone* tile.
- ▶ Tap the title bar of the *Phone* tile.

The *Select Bluetooth device* menu is displayed:



You will find the following information and controls in the *Select Bluetooth device* menu:



Note:

The currently connected devices are always the first items in the device list.

- (1) **Add device** button: start pairing a new mobile phone
- (2) button: delete a paired mobile phone
- (3) Supported Bluetooth functions of the connection:
 - ▶ : phone
 - ▶ : audio streaming
- (4) Bluetooth name of the device

Pairing and connecting a mobile phone for the first time

- ▶ In the *Select Bluetooth device* menu, tap **Add device** (8).

The device is now available for setting up a connection (pairing). The Bluetooth PIN of the device is displayed. Next, please follow the instructions provided by the device and your mobile phone.



Note:

- ▶ The Bluetooth name of the device is "INF4CV".
- ▶ If ten mobile phones are already paired with the device, it will not be possible to pair and connect a further mobile phone. In this case, first delete one of the paired mobile phones (see the section entitled "Deleting a paired mobile phone" (page 25)).

There are two methods of establishing a Bluetooth connection. Please proceed according to the method employed:



Note:

Please refer to your mobile phone's instruction manual for information on how to set up a Bluetooth connection on your mobile phone.

- ▶ **Method 1:**
Perform the connection setup process on your mobile phone. On your mobile phone, enter the displayed PIN.
- ▶ **Method 2:**
The mobile phone receives the device's PIN and displays it.
 - ▶ Check that the mobile phone is displaying the correct PIN and then tap ✓.
 - ▶ Confirm on your mobile phone that you want to set up a connection.

If connection setup was successful, the mobile phone will connect to the device.



Note:

- ▶ If the connection attempt fails, a notification is displayed. Make another attempt at setting up a connection from the mobile phone.
- ▶ As soon as a new mobile phone is connected to the device, the phone book and call lists are downloaded from the mobile phone to the device. The time required to download the phone book and call lists may vary depending on the connected mobile phone.

Connecting/disconnecting an already paired mobile phone

The device stores the information for the ten previously paired mobile phones. These mobile phones are displayed in the *Select Bluetooth device* menu.

To disconnect a connected mobile phone shown in this list,

- ▶ tap the relevant item in the *Select Bluetooth device* menu and confirm the resulting message.


To connect a mobile phone shown in this list,

- ▶ tap the relevant item in the *Select Bluetooth device* menu.

If connection setup was successful, the mobile phone will connect to the device.

Deleting a paired mobile phone

To delete a paired mobile phone,

- ▶ tap  (2) for the corresponding item in the *Select Bluetooth device* menu.
- ▶ Tap ✓ to confirm.

The selected mobile phone is unpaired and deleted from the list.

**Note:**

- ▶ If the mobile phone is unpaired during an active call, the call is interrupted. The call can then be continued on the mobile phone if the mobile phone supports this.
- ▶ When the mobile phone is unpaired, its phone book and call lists are also deleted from the device.
- ▶ To connect the mobile phone to the device again, proceed as described in the section entitled “Pairing and connecting a mobile phone for the first time” (page 25).

5 FM/AM radio mode



Note:

- ▶ AM reception: generally, strong AM signals provide stable sound quality with low signal noise. At night, however, atmospheric conditions may sometimes lead to interference from other stations.
- ▶ FM reception: the FM waveband offers the highest sound quality; however, the signal may be susceptible to noise due to:
 - the limited reach of some transmitters.
 - distortion caused by signals reflected off local buildings and other obstructions.
 - “shadow zones” wherein the signal reception is obstructed or restricted.
- ▶ HD Radio (NAFTA variant): HD Radio Technology reception needs to be activated to receive HD Radio broadcasts. This enables you to receive radio broadcasts digitally (where available), providing better-quality sound with clear reception. When this feature is not activated or HD Radio broadcasts are not available, you will receive analogue radio (AM/FM) broadcasts.

For additional information, please refer to the section entitled “HD Radio troubleshooting (NAFTA variant)” (page 27).

5.1 Listening to the radio

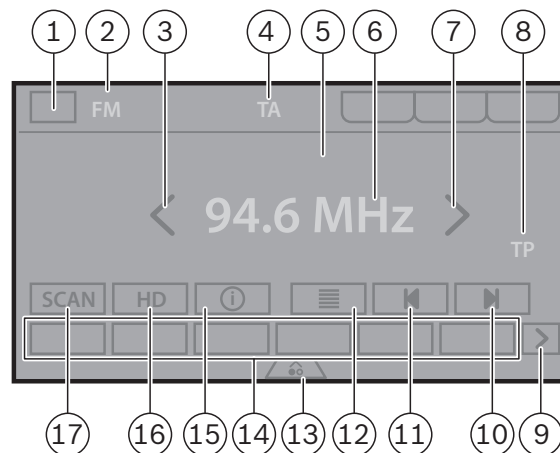
- ▶ If necessary, call up the main menu for the desired area (cockpit, cabin).
- ▶ In the main menu, tap the title bar of the *Radio* or *Media* tile.

The *Source selection* menu is displayed.

- ▶ If necessary, tap the *Radio* tab.
- ▶ Tap the desired waveband, FM or AM.

The radio display is shown and radio playback starts.

5.2 Tuner display



In the radio display you will find the following information:

- (1) button: open the *Source selection* menu
- (2) Current waveband
- (3) < button: change frequency
- (4) Indication of whether traffic announcement priority is switched on or off
- (5) Station info area
- (6) Current frequency
- (7) > button: change frequency
- (8) Indication of whether the current station provides traffic programmes
- (9) > / < button: show further memory presets
- (10) ▶ button: start seek tuning
- (11) ◀ button: start seek tuning
- (12) ≡ button: open the station list (FM only)
- (13) Bottom menu tab
- (14) Preset buttons
- (15) ⓘ button: display information about current HD Radio programme (NAFTA variant)
- (16) HD button: switch between analogue FM/AM broadcast and HD Radio broadcast (NAFTA variant)
- (17) **SCAN** button: start scanning stations



Note:

The information displayed in the station info area (5) depends on whether RDS is supported in your receiving area or by the current station.

5.3 Calling up the tuner display

While you are listening to the radio,

- ▶ in the home menu, tap the main area of the *Radio* tile.

5.4 RDS



Note:

If RDS is not supported in your reception area or by the current station, you will not be able to experience these functions.

This device is equipped with an RDS radio receiver. Many FM stations transmit a signal that carries not only the radio programme but also information such as the station name. The station name appears in the display as soon as the tuner receives it.

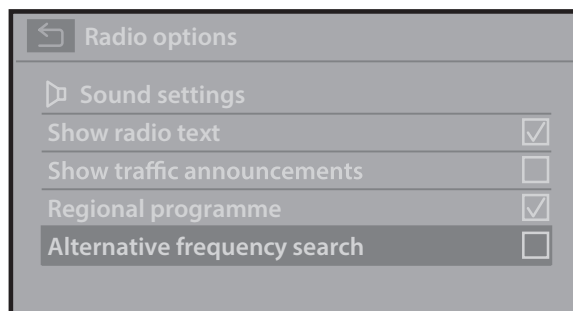
The convenient RDS functions “alternative frequency” and “regional mode” enhance the performance of your tuner:

- ▶ **Alternative frequency (AF):** the device automatically performs a background search for the best reception frequency for the tuned station.

- ▶ **Regional mode:** some radio stations divide their schedule at certain times into regional programmes offering different content. You can enable or disable regional mode. With regional mode enabled, the device is prevented from switching to alternative frequencies for the tuned station that have different programme content.

5.4.1 AF mode – on/off

- ▶ In radio mode, tap the bottom menu tab (13) and then tap the ⚙ button.



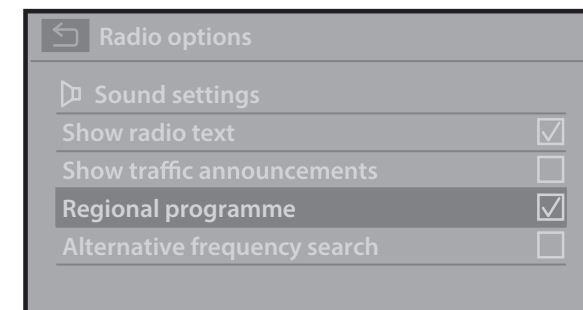
- ▶ Tap **Alternative frequency search.**

AF mode is enabled when a tick is displayed in the box.

- ▶ Tap ↶ to leave the menu.

5.4.2 Regional mode – on/off

- ▶ In radio mode, tap the bottom menu tab (13) and then tap the ⚙ button.



- ▶ Tap **Regional programme.**

Regional mode is enabled when a tick is displayed in the box.

- ▶ Tap ↶ to leave the menu.

5.5 Selecting the waveband

While you are listening to the radio,

- ▶ tap (1) in the tuner display to select waveband in *Source selection* menu.
- ▶ Tap the desired waveband.

The tuner display for the selected waveband is displayed.

5.6 Tuning stations

5.6.1 Tuning stations manually

- ▶ Tap < (3) or > (7) once or several times to adjust the frequency incrementally.

5.6.2 Starting seek tuning

- ▶ Tap ► (10) or ◀ (11) to tune to the next or previous station in the reception area.



Note:

By long-tapping ► (10) or ◀ (11) you adjust the frequency continuously. When you release the button, the radio tunes to the next station automatically.

5.6.3 Station list



Note:

This function is only available in the FM waveband.

All currently receivable radio stations are displayed in the *FM station list*.

- ▶ Tap the ☰ button (12).

The *FM station list* is displayed.

- ▶ Tap the desired radio station.

To return to the tuner display,

- ▶ tap ↩.

5.6.4 Scanning receivable stations

- ▶ Tap **SCAN** (17).

The receivable stations are played one after another for around 10 seconds each.

To continue listening to the station that is currently being played,

- ▶ tap **SCAN** (17) again.

5.7 Storing stations

- ▶ First select the desired memory bank, if necessary, and tune to the desired station.
- ▶ Long tap one of the memory preset buttons (14).

The currently tuned station is then stored to the memory preset button.

5.8 Listening to a stored station

- ▶ First select the desired memory bank, if necessary.
- ▶ Short tap one of the memory preset buttons (14).

The stored station is played.

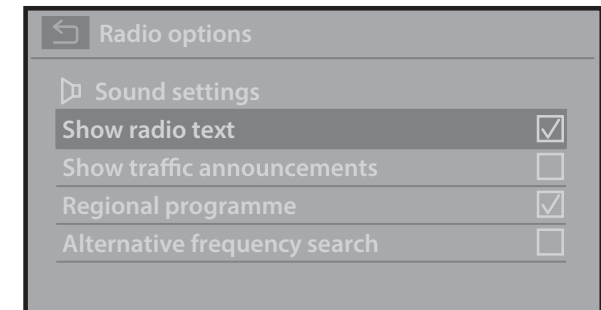
5.9 Radio-text display – on/off



Note:

If the stations in your reception area do not support RDS or HD Radio, you will not be able to use this function.

- ▶ In radio mode, tap the bottom menu tab (13) and then tap the ⚙ button.



- ▶ Tap **Show radio text**.

Displaying of radio text is enabled when a tick is displayed in the box.

- ▶ Tap ↩ to leave the menu.

5.10 Traffic announcements

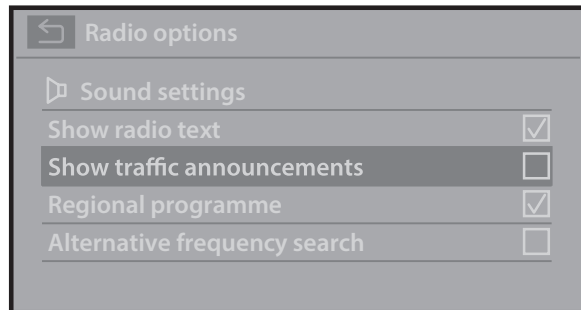


Note:

If the stations in your reception area do not support RDS, you will not be able to use these functions.

5.10.1 Traffic announcement priority – on/off

- ▶ In radio mode, tap the bottom menu tab (13) and then tap the  button.



- ▶ Tap **Show traffic announcements**.

Traffic announcement priority is enabled when a tick is displayed in the box.


- ▶ Tap  to leave the menu.

When traffic announcement priority is enabled, the TA symbol is displayed in the home menu and in the tuner display or in the display for the currently playing media.

The device will play a traffic announcement as soon as it receives one. The received station is shown in the display for the duration of the announcement.

5.10.2 Cancelling a playing traffic announcement

You can cancel a playing traffic announcement and return to the audio source you were listening to previously:

- ▶ Tap  while the traffic announcement is playing.



Note:

Traffic announcement priority remains enabled.

5.11 HD Radio troubleshooting (NAFTA variant)

| Symptom | Possible cause | Possible solution |
|---|--|--|
| Delay in digital audio on HD Radio broadcasts. | The radio acquires an analogue station first and blends to a digital signal. | This is not a malfunction. |
| Audio skips, stutters, or echoes. | The radio station has not properly aligned the digital and analogue audio. | Verify correct operation on another station. Report any station with poor performance. |
| Volume increasing/decreasing. | The radio station has not properly aligned digital and analogue audio level. | Verify correct operation on another station and check www.hdradio.com for stations in the area. Report any station with poor performance. |
| Sound fading in and out. | The transition between analogue and digital is in progress (blending). | Verify transition performance on several stations in the area. Report any stations with poor alignment. |
| Excessive blending (transition between analogue and digital). | The vehicle is located near the edge of the digital coverage area. | Refer to www.hdradio.com to verify radio stations in your coverage area. |
| Digital audio is no better than analogue audio. | Audio processing on the digital audio at a station can potentially decrease the digital audio sound quality. | Verify correct operation on another station. Report any station with poor performance. |

6 WX Radio mode



Note:

- ▶ WX Radio mode is only available with the NAFTA or Mexico variant.
- ▶ If the stations in your reception area do not support WX Radio, you will not be able to use these functions.

6.1 Listening to the radio

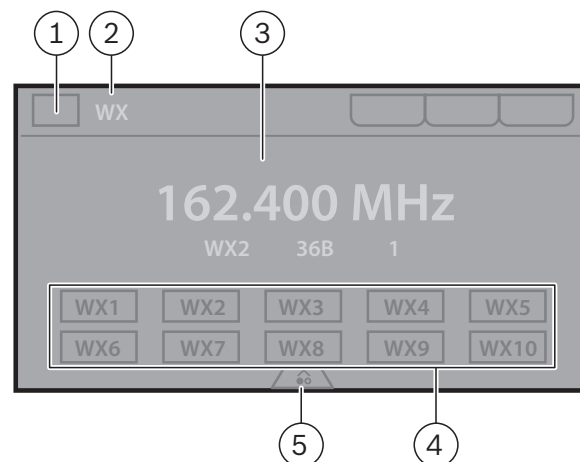
- ▶ If necessary, call up the main menu for the desired area (cockpit, cabin).
- ▶ In the main menu, tap the title bar of the *Radio* or *Media* tile.

The *Source selection* menu is displayed.

- ▶ If necessary, tap the *Radio* tab.
- ▶ Tap the waveband WX.

The WX Radio display is shown and radio playback starts.

6.2 WX Radio display



In the radio display you will find the following information:

- (1) button : open the *Source selection* menu
- (2) Current waveband
- (3) Station info area: frequency, channel number, marine channel number, and public alert channel number
- (4) Predefined station presets
- (5) Bottom menu tab

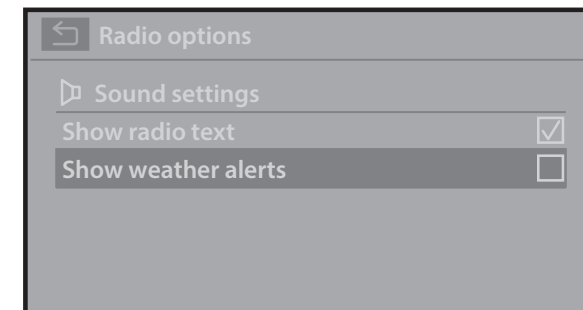
6.3 Listening to a station

- ▶ Short tap one of the station present buttons (4).

The stored station is played.

6.4 Weather alerts – on/off

- ▶ In WX Radio mode, tap the bottom menu tab (5) and then tap the button.



- ▶ Tap **Show weather alerts**.
Showing of weather alerts is enabled when a tick is displayed in the box.
- ▶ Tap to leave the menu.

7 DAB+ radio mode



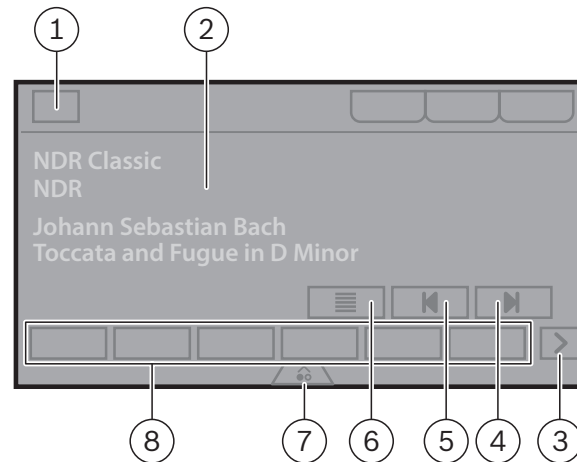
Note:

- DAB+ radio mode is only available in the EU variant.
- This function is only available if the device supports DAB reception.
- DAB radio supports traffic announcement priority (please refer to the section entitled “Traffic announcements” (page 61)).

7.1 Listening to DAB

- If necessary, call up the main menu for the desired area (cockpit, cabin).
 - Tap the title bar of the *Radio* or *Media* tile. The *Source selection* menu is displayed.
 - If necessary, tap the *Radio* tab.
 - Tap **DAB**.
- The DAB display is shown and DAB playback starts.

7.2 DAB display



You will find the following information and controls in the DAB display:

- (1) button: open the *Source selection* menu.
- (2) Service information area
- (3) button: show further memory presets
- (4) button: skip to the next service
- (5) button: skip to the previous service
- (6) button: open DAB service list
- (7) Bottom menu tab
- (8) Preset buttons

7.3 Calling up the DAB display

While you are listening to DAB,

- in the home menu, tap the main area of the *Radio* tile.

7.4 DAB features

With DAB radio, a service represents a programme of a radio station.

Several services are transmitted on the same frequency. These services are combined into an ensemble. The ensemble name of the current service is displayed in the service information area (2).

A service may provide one or more secondary audio channels containing alternative audio content.

Besides the audio programme, DAB services can also broadcast extra information, such as song titles, music genres, and even programme guides. This information can be shown in the service information area (2) (please refer to the section entitled “Displaying DAB extra information” (page 35)).

7.5 DAB service list

- Tap (5).

All currently receivable services are displayed in the *DAB service list*.

- Tap the desired service.
- The desired service is played.

To return to the DAB display,

- tap .

**Note:**

- ▶ If available, the *DAB service list* also contains the secondary audio channel of services.
- ▶ The *DAB service list* shows all services that are receivable when the list is opened. The receivable services may change while the *DAB service list* is displayed. To update the *DAB service list*, tap **Refresh**.

7.6 Selecting services

- ▶ Tap ► (3) or ◀ (4) to skip to the next or previous service.

7.7 Storing services

- ▶ First select the desired memory bank, if necessary, and select the desired service.
- ▶ Long tap one of the memory preset buttons (8).

The currently selected service is then stored to the memory preset button.

7.8 Listening to a stored service

- ▶ First select the desired memory bank, if necessary.
- ▶ Short tap one of the memory preset buttons (8).

The stored service is played.

7.9 Listening to a service's secondary audio channel

If a service provides an alternative audio channel, *2nd audio* appears in the display. The secondary audio channel is listed in the *DAB service list* (please refer to the section entitled “DAB service list” (page 33)).

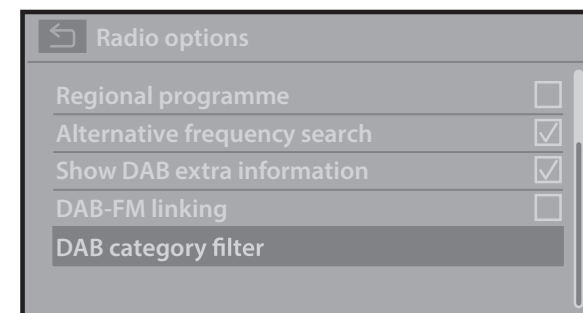
**Note:**

It is not possible to store a service's secondary audio channel. Select, if necessary, the regular audio channel to store the service.

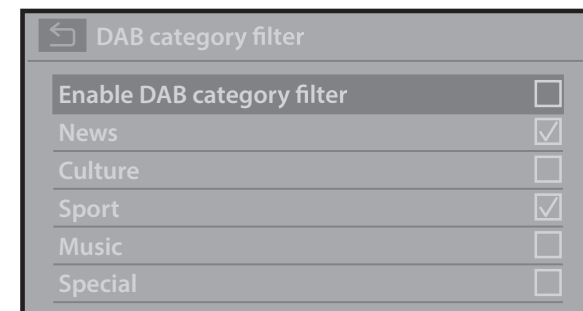
7.10 Preselecting programme types

You can apply the DAB category filter in order to limit the available services in the DAB service list to the ones that support certain programme types. If the DAB category filter is enabled, only the services of selected programme types will be available.

- ▶ In DAB mode, tap the bottom menu tab (7) and then tap the ⚙ button.



- ▶ Tap **DAB category filter**. The available programme types are displayed.



To enable or disable the DAB category filter,

- ▶ tap **Enable DAB category filter**. The DAB category filter is enabled when a tick is displayed in the box.

To select programme types,

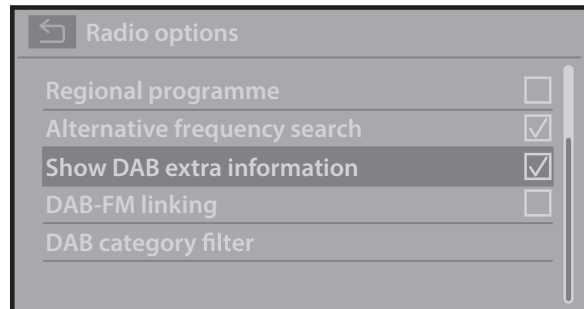
- ▶ tap the desired programme type. A programme type is selected when a tick is displayed in the box.

- ▶ Tap ↶ to leave the menu.

7.11 Displaying DAB extra information

You can preset whether DAB extra information is shown or hidden.

- In DAB mode, tap the bottom menu tab (7) and then tap the ⚙ button.



- Tap **Show DAB extra information**.

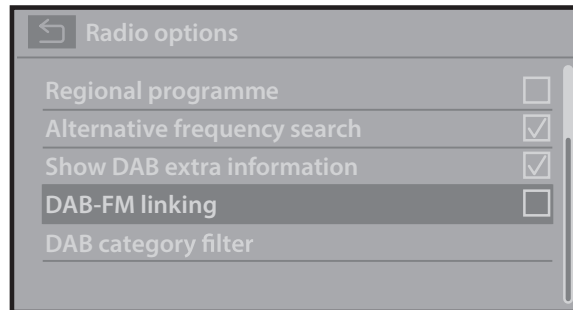
Displaying of DAB extra information is enabled when a tick is displayed in the box.

- Tap ↶ to leave the menu.

7.12 DAB-FM linking

A service may be receivable via DAB and on FM simultaneously. If DAB-FM linking is enabled and the current DAB service becomes unavailable, the device automatically switches to FM reception until DAB reception is available again.

- In DAB mode, tap the bottom menu tab (7) and then tap the ⚙ button.



- Tap **DAB-FM linking**.

DAB-FM linking is activated when a tick is displayed in the box.

- Tap ↶ to leave the menu.

8 SiriusXM Radio mode



Note:

SiriusXM Radio mode is only available in the NAFTA variant.

SiriusXM is where moments happen. The widest, deepest variety of music, ad free. More games, more sports, and more coverage than anywhere else. The most extensive entertainment, complete news coverage, and every kind of comedy. Listen in your car, on your phone, online, and at home. A SiriusXM subscription is required. For more information, visit www.siriusxm.com.



Note:

The SiriusXM Radio ID is required for activation and can be found by tuning to channel 0 or by checking the label found on the SiriusXM Connect tuner and its packaging. The Radio ID does not include the letters I, O, S, or F.

8.1 Activating your SiriusXM subscription

Select SiriusXM mode (see the section entitled “Listening to SiriusXM” (page 36)). You should be able to hear the SiriusXM preview channel on channel 1.

Once you can hear the preview channel, tune to channel 0 to find the Radio ID of your tuner. You will need this number to activate your subscription. Write the number down for reference.



Note:

The SiriusXM Radio ID does not include the letters I, O, S, or F.

In the United States, you can activate your subscription online or by calling SiriusXM Listener Care:

- ▶ Visit www.siriusxm.com/activatenow.
- ▶ Call SiriusXM Listener Care at 1-866-635-2349.

For Canadian subscriptions:

- ▶ Visit www.siriusxm.ca/activate.
- ▶ Call SiriusXM Customer Care at 1-888-539-7474.

As part of the activation process, the SiriusXM satellites will send an activation message to your tuner. When your radio detects that the tuner has received the activation message, your radio will display: *Subscription updated*. Once subscribed, you can tune to channels in your subscription plan. Note, the activation process usually takes 10 to 15 minutes, but may take up to an hour. Your radio will need to be powered on and receiving the SiriusXM signal to receive the activation message.

8.2 Listening to SiriusXM

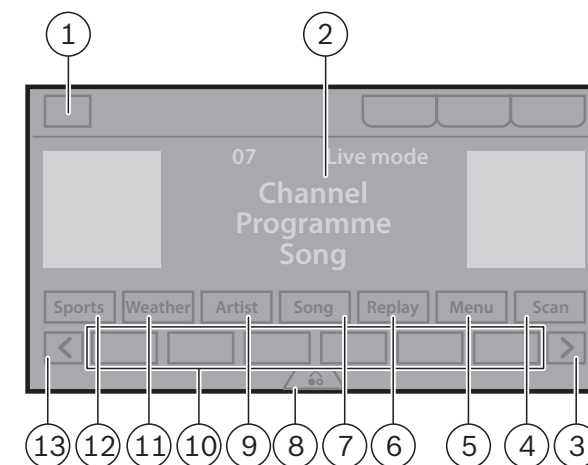
- ▶ If necessary, call up the main menu for the desired area (cockpit, cabin).
- ▶ In the main menu, tap the title bar for the radio or media mode.

The *Source selection* menu is displayed.

- ▶ If necessary, tap the *Radio* tab.
- ▶ Tap **SiriusXM**.

The SiriusXM display is shown and SiriusXM playback starts.

8.3 SiriusXM display



You will find the following information and controls in the SiriusXM display:

- (1) button: open the *Source selection* menu
- (2) Channel information area

- (3) >/< button: show further memory presets
- (4) **Scan** button: start Tune Scan function
- (5) **SXM menu** button: open SiriusXM menu
- (6) **Replay/presets** button: switch between live mode and replay mode
- (7) **Tag song** button: store current song as favourite
- (8) Bottom menu button
- (9) **Tag artist** button: store current artist as favourite
- (10) Preset buttons
- (11) **Weather** button: play current traffic/weather message
- (12) **Sports** button: activate/deactivate Sports-Flash monitoring
- (13) < button: scroll through preset buttons menu

**Note:**

Album art can be displayed for most of the SiriusXM music channels. When album art is not available, the channel logo or the SiriusXM logo will be displayed.

8.4 Calling up the SiriusXM display

- While you are listening to SiriusXM,
- in the home menu, tap the main area for the SiriusXM Radio operating mode.

8.5 Selecting channels

8.5.1 Selecting a channel from the channel list

The channel list contains all available channels.

- Tap **SXM menu** (5).
- Tap **Channel list**.
- Tap the desired channel.

**Note:**

You can customise the channel list (see the section entitled “Customising the channel list” (page 37)).

8.5.2 Selecting a channel from a category

Channels are organised into categories to allow you easy access to channels with specific content (e.g. sports, rock, kids).

- Tap **SXM menu** (5).
- Tap **Categories**.
- Tap the desired category.
- Tap the desired channel.

**Note:**


At the top of the category list, you will find featured favourites. Featured favourites are groups of channels that are created by the SiriusXM programming department allowing you to discover new channels. Featured favourite channels are dynamic and can change often, allowing you to discover new channels.

8.5.3 Direct tuning

You can directly tune in to a channel using its channel number.

- Tap **SXM menu** (5).
- Tap **Direct tune**.
- Enter the channel number of the desired channel and tap **Enter**.

8.6 Customising the channel list

- In SiriusXM Radio mode, tap the bottom menu button (8) and then tap the  button.
- Tap **Customised channel list**.

To enable all channels in the channel list,

- tap **Enable all channels**.

To enable/disable a particular channel,

- tap the [On/Off] button for the desired channel.

8.7 Storing and selecting favourite channels

You can store up to 18 channels to the memory preset buttons.

8.7.1 Storing a channel

- If necessary, tap the < (13) or > (3) button to display the desired memory preset button.
- Long tap the memory preset button (10).

The currently tuned channel is then stored to the memory preset button.

8.7.2 Selecting a stored channel

- If necessary, tap the < (13) or > (3) button to display the desired memory preset button.
- Short tap the memory preset button (10).

The stored channel is played.

8.7.3 Tune Scan

When you activate the Tune Scan feature, you will hear a few seconds of the songs that have not been listened to from each of the preset music channels on the current band. Instructions for operating the Tune Scan feature can be found below.



Note:

When the device is turned on, the scan function is disabled until the device has buffered a sufficient pool of songs. If required, please give the device a few minutes until the scan function and the **Scan** button (4) is enabled.

- Tap **Scan** (4).

For each stored channel, a song is played for about 10 seconds.



Note:

The first song that is played for a channel is the song that was buffered first. Then the next song from the buffer is played and so on.

To abort the scan and listen to the current channel,

- tap **Scan** (4) again.

8.8 Live and replay mode

By default, a channel's programme is played in live mode, which means that you hear the programme currently being aired. In replay mode, you can access buffered playtime of a channel.

8.8.1 Replay mode

To switch to replay mode,

- tap **Replay** (6).

The navigation buttons for replay mode are displayed:

[Pause]/[Play]: pause/resume playback.

[Next]/[Previous]:

Short tap: skip 5 seconds forwards/backwards

Continuous tap: continuously skip forwards/backwards in gradually increasing increments (up to 10 seconds).

[Forwards]/[Backwards]:

Short tap: skip 10 seconds forwards/backwards.

Long tap: jump to live playback/starting point of the buffered programme.

The time bar indicates the gap between current playback and live playback.

8.8.2 Returning to live mode

- Tap **Presets** (6).

The memory preset buttons are displayed.

8.9 Favourite songs and artists

You can store favourite songs and artists in order to receive alerts each time a song or artist is played on one of the available channels.

8.9.1 Storing songs or artists as favourites

To store the currently played song or artist as a favourite,

- ▶ Tap **Tag artist** (9) or **Tag song** (7).

A pop-up message confirms the storage of the artist or song.



Note:

- ▶ If an artist or song is already stored as a favourite, a corresponding pop-up message will appear.
- ▶ If the maximum number of artists or songs is already stored, a corresponding pop-up message will appear. If you want to replace a stored artist or song with a new one, tap **Select** and then tap the artist or song to be replaced.

8.9.2 Alert for favourite song or artist

If a channel plays a favourite song or artist, a corresponding pop-up message is displayed.

- ▶ Tap the [Speaker] button to play the song/artist.

The SiriusXM main screen is displayed and the song or artist is played.



Note:

The pop-up message is hidden automatically after 5 seconds or manually by tapping the screen beside the message.

8.9.3 Playing favourite songs or artists from the history

Broadcasts of favourite songs or artists are stored in the history. You can access them via the SXM menu.

- ▶ Tap **SXM menu** (5).
- ▶ Tap **Favourites**.
- ▶ Tap **Favourite song history** or **Favourite artist history**.
- ▶ Tap the desired song or artist.

8.9.4 Editing favourite songs and artists

- ▶ In SiriusXM Radio mode, tap the bottom menu button (8) and then tap the ⚙ button.
- ▶ Tap **Edit favourite songs** or **Edit favourite artists**.

To get alerts for all stored songs or artists,

- ▶ tap **Turn all songs on** or **Turn all artists on**.

To delete all stored songs or artists,

- ▶ tap **Delete all songs** or **Delete all artists**.

A pop-up message prompts you to confirm the deletion:

- ▶ Tap **Yes** to confirm or **No** to cancel.

To turn on/off alerts for a particular song or artist,

- ▶ tap the [On/Off] button for the desired song/artist.

To delete a particular song or artist,

- ▶ tap the [Delete] button for the desired song/artist.

A pop-up message confirms the deletion.



Note:

Tap the ⚙ button to close the options display.

8.10 Traffic and weather messages

You can receive traffic and weather messages for a selected city.



Note:

To enable traffic and weather messages, first select a city (see next section).

8.10.1 Selecting a city for traffic and weather messages

- ▶ In SiriusXM Radio mode, tap the bottom menu button (8) and then tap the ⚙ button.
- ▶ Tap **Edit favourite TWN City** (TWN = traffic and weather news).
- ▶ Tap the desired city.



Note:

Tap the ⚙ button to close the options display.

8.10.2 Playing traffic and weather messages

To play current traffic and/or weather messages,
▶ tap the **Weather** (11) button.



Note:

- ▶ If traffic and weather messages are available, the **Weather** button is highlighted green. When messages are being played, the **Weather** button is highlighted red.
- ▶ If no messages are available, a corresponding pop-up message will appear.
- ▶ If no city is selected yet, a corresponding pop-up message is displayed. Tap **Yes** to select the desired city.

8.11 SportsFlash



Note:

Only available if your subscription package includes the play-by-play sports channel for your desired sports leagues.

A SportsFlash is a game of your favourite sports team that is broadcast on SiriusXM. You can receive alerts for up to five selected teams (see the following section).

8.11.1 Selecting sports teams

- ▶ In SiriusXM Radio mode, tap the bottom menu button (8) and then tap the ⚙ button.
- ▶ Tap **Edit SportsFlash teams**.
- ▶ Tap **Add team**.
- ▶ Tap the desired sports league.
- ▶ Tap the desired team.

A pop-up message confirms the selection.



Note:

If the maximum number of teams is already selected, a corresponding pop-up message will appear. If you want to replace a selected team with a new one, tap **Yes** and then select the team to be replaced.



Note:

Tap the ⚙ button to close the options display.

8.11.2 Activating/deactivating SportsFlash monitoring

- ▶ Tap **Sports** (12).



Note:

- ▶ If a SportsFlash is already being played, a pop-up message is displayed. Tap **Yes** to cancel the current SportsFlash playback and deactivate SportsFlash monitoring. Tap **No** to return to the current SportsFlash playback.
- ▶ If no teams are selected, a pop-up message is displayed. Tap **Yes** to select teams. Tap **No** to cancel and leave SportsFlash deactivated.
- ▶ If a SportsFlash is available, the **Sports** button is highlighted green. If a SportsFlash is being played, the **Sports** button is highlighted red.

8.11.3 SportsFlash alert

If a channel is broadcasting a SportsFlash, a corresponding pop-up message is displayed.

- ▶ Tap the [Speaker] button to play the SportsFlash.



Note:

- ▶ To return to the previously played channel, tap the [Back] button.
- ▶ The pop-up message is hidden automatically after 10 seconds or manually by tapping the screen beside the message.

8.11.4 Play SportsFlash from the history

Received SportsFlashes are stored in the history. You can access them via the SXM menu.

- ▶ Tap **SXM menu** (5).
- ▶ Tap **Favourites**.
- ▶ Tap **SportsFlash history**.
- ▶ Tap the desired SportsFlash.

8.11.5 Editing SportsFlashes

- ▶ In SiriusXM Radio mode, tap the bottom menu button (8) and then tap the ⚙ button.
- ▶ Tap **Edit SportsFlash teams**.

To get alerts for all stored teams,

- ▶ tap **Turn all teams on**.

To turn on/off alerts for a particular team,

- ▶ tap the [On/Off] button for the desired team.
- To delete a particular team,
- ▶ tap the [Delete] button for the desired team.
- A pop-up message confirms the deletion.



Note:

- ▶ Tap the ⚙ button to close the options display.

8.12 Further settings

8.12.1 Notification settings

You can turn on/off alerts for favourite songs, artists, SportsFlashes, and alerts on non-audio screens.

- ▶ In SiriusXM Radio mode, tap the bottom menu button (8) and then tap the ⚙ button.
- ▶ Tap **Notification settings**.
- ▶ Tap the [On/Off] button for the desired type of alert.

8.12.2 Turning Tune Start on/off

If *Tune Start* is turned on and you select a stored music channel (by tapping the corresponding preset button), the song currently being aired is played from the beginning.



Note:

- ▶ Only if the song currently being aired has buffered from the beginning.

- ▶ In SiriusXM Radio mode, tap the bottom menu button (8) and then tap the ⚙ button.
- ▶ Tap the *Tune Start* [On/Off] button.



Note:

- ▶ Tap the ⚙ button to close the options display.

8.13 Troubleshooting

| Displayed text | Description and recommendation |
|------------------------|---|
| Check antenna | <p>The radio has detected a fault with the SiriusXM antenna. The antenna cable may be either disconnected or damaged.</p> <ul style="list-style-type: none"> ▶ Verify that the antenna cable is connected to the device. ▶ Inspect the antenna cable for damage and kinks. Replace the antenna if the cable is damaged. |
| No signal | <p>The device is having difficulty receiving the SiriusXM satellite signal.</p> <ul style="list-style-type: none"> ▶ Verify that your vehicle is outdoors with a clear view of the sky. ▶ Verify that the SiriusXM magnetic mount antenna is mounted on a metal surface on the outside of the vehicle. ▶ Move the SiriusXM antenna away from any obstructions. ▶ Inspect the antenna cable for damage and kinks. <p>Replace the antenna if the cable is damaged.</p> |
| Subscription updated | <p>The radio has detected a change in your SiriusXM subscription status. The pop-up message will disappear automatically after about 5 seconds.</p> <p>In the United States, visit www.siriusxm.com or call 1-866-635-2349 if you have questions about your subscription. In Canada, visit www.siriusxm.ca/activate or call Customer Care at 1-888-539-7474 if you have questions about your subscription.</p> |
| Channel not available | <p>The channel that you have requested is not a valid SiriusXM channel or the channel that you were listening to is no longer available. Visit www.siriusxm.com for more information about the SiriusXM channel lineup.</p> |
| Channel not subscribed | <p>The channel that you have requested is not included in your SiriusXM subscription package or the channel that you were listening to is no longer included in your SiriusXM subscription package.</p> <p>In the United States, visit www.siriusxm.com or call 1-866-635-2349 if you have questions about your subscription package or would like to subscribe to this channel. In Canada, visit www.siriusxm.ca/activate or call Customer Care at 1-888-539-7474.</p> |
| Channel is skipped | <p>The channel that you have requested has been disabled by the radio channel-skipping feature. See “Customising the channel list” (page 37) for more information on the channel-skipping feature and how to access disabled channels.</p> |

9 Playing media



Note:

To connect or insert an external device, please refer to the section entitled “Connecting/inserting external devices and data storage devices” (“Connecting and removing a USB storage device” (page 24)). In that section, you will also find information about supported file formats.

9.1 Selecting a media source

- ▶ If necessary, call up the home menu for the desired area (cockpit, cabin).
 - ▶ Tap the title bar of the *Radio* or *Media* tile.
- The *Source selection* menu is displayed.
- ▶ Tap the *Media* tab, if necessary.
 - ▶ Tap the desired media source.

The audio or video display for the selected media source is displayed and playback begins.



Note:

A notification appears briefly on the display

- ▶ if the selected audio source is not connected or inserted.
- ▶ if it is not possible to play all the tracks on the selected audio source due to the maximum number of manageable tracks being exceeded.

9.2 Calling up the audio/video display

While you are playing media,

- ▶ in the home menu, tap the main area of the *Media* tile.

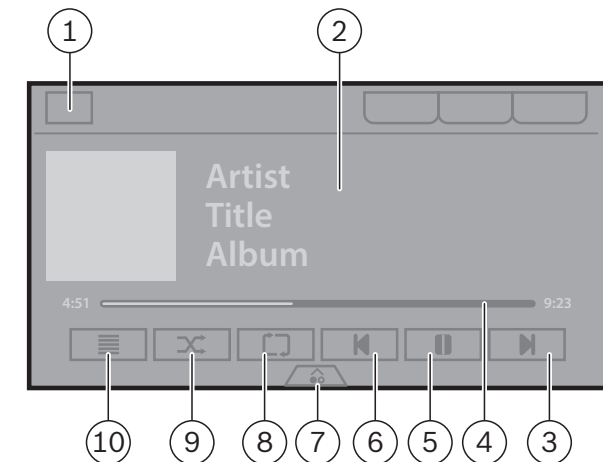
9.3 Audio playback



Note:

Bluetooth devices may employ communication protocols that do not support all control options.

9.3.1 Audio display



You will find the following information and controls in the audio display:



Note:

The information that is available depends on the current audio source:

- ▶ Information on MP3 tracks must be stored as ID3 tags on the audio source.
- ▶ Bluetooth devices may employ communication protocols that do not provide all track information.

- (1) button: open the *Source selection* menu
- (2) Title information area
- (3) button: skip to next title/fast forward
- (4) Playback progress bar
- (5) button: pause playback

When playback is paused: ► button:
resume playback

- (6) ◀ button: skip to previous title/rewind
- (7) Bottom menu tab
- (8) ↺ button: repeat
- (9) 🔄 button: shuffle
- (10) ≡ button: open media browser

The title information area (2) provides information on the current track, audiobook, or podcast, for instance:

- Artist
- Title
- Album

The playback progress bar (4) displays the playback position in the current title and the elapsed and total playing time of the title.

9.3.2 Pausing playback

- Tap || (5).
- Playback is paused.
- Tap ► (5).
- Playback resumes.

9.3.3 Skipping to the next/previous title

- Tap ▶ (3) or ◀ (6).
- The next or previous title is played.

9.3.4 Selecting titles in the media browser

- Tap ≡ (10).
- The media browser opens. For further details on this, please read the section entitled “Media browser” (page 46).

9.3.5 Fast forward/rewind

- Touch and hold ▶ (3) or ◀ (6) until you reach the desired position.
- Or:
- Touch the playback progress bar (4) and swipe left or right along the bar to alter the position in the title.

9.3.6 Skipping forwards/backwards in the current title

- Tap the desired position in the playback progress bar (4).

9.3.7 Repeating a title

- Tap ↺ (8).
- Tap the desired option:
 - Repeat track: repeat the current title
 - Repeat selection: repeat the current playback category (e.g. album, artist, folder)

9.3.8 Shuffle function

- Tap 🔄 (9).
- Tap the desired option:
 - Shuffle selection: shuffle the tracks in the current playback category (e.g. album, artist, folder)
 - Shuffle off: deactivate shuffle

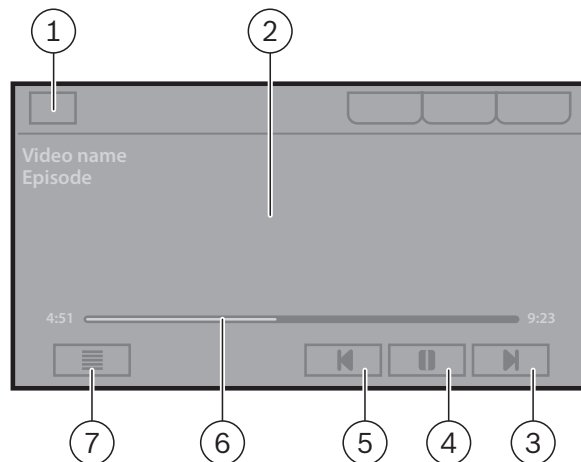
9.4 Video playback



Safety notice

Displaying video images is only possible while the vehicle's parking brake is applied. As soon as the parking brake is released, the video image of a running video file is hidden and the following notification appears in the display: "For your safety, the video is off while the vehicle is in motion." Playback of the video file continues, and the audio output can still be heard.

9.4.1 Video display



You will find the following information and controls in the video display:

- (1) button: open the *Source selection* menu
- (2) Picture area
- (3) button: skip to next title
- (4) button: pause playback
When playback is paused: button: resume playback
- (5) button: skip to previous title
- (6) Playback progress bar
- (7) button: open media browser

The picture area (2) provides information on the current title:

- ▶ Title
- ▶ Number of the current title/episode

The playback progress bar (6) displays the playback position in the current title and the elapsed and total playing time of the title.



Note:

In full-screen mode, the symbol appears in the picture area when playback is paused.

9.4.2 Pausing playback

- ▶ Tap (4).
Playback is paused.
- ▶ Tap (4).
Playback resumes.

9.4.3 Skipping to the next/previous title

- ▶ Tap (3) or (5).
The next or previous title is played.

9.4.4 Selecting titles in the media browser

- ▶ Tap (7).
The media browser opens. For further details on this, please read the section entitled "Media browser" (page 46).

9.4.5 Fast forward/rewind

- ▶ Touch the playback progress bar (6) and swipe left or right along the bar to alter the position in the title.

9.4.6 Skipping forwards/backwards in the current title

- ▶ Tap the desired position in the playback progress bar (6).

9.4.7 Full-screen mode – on/off

To switch between the video display and fullscreen mode,

- ▶ tap the picture area (2).
- or
- ▶ wait for about 5 seconds.

9.5.3 Closing the browser without selecting a title

► Tap ↶ (1).

The current media display is shown.

10 Navigation



Note:

This function is only available if the device is equipped with a navigation system.



Road safety

- ▶ The usage of the navigation system does not absolve the driver of the responsibility of driving properly and vigilantly. The relevant traffic regulations must always be followed. If a navigation instruction contradicts traffic regulations, the traffic regulations always apply.
- ▶ The route guidance provided by the device may not be completely accurate. Ensure that all driving manoeuvres are legal and safe in order to avoid accidents.
- ▶ Some areas – one-way streets, entrances, and other pedestrian zones where vehicle entry is prohibited – may not be marked on the map. If a navigation instruction contradicts traffic regulations, the traffic regulations always apply.



Note:

This navigation system calculates the current vehicle position using satellite signals, various vehicle signals, map data etc. However, an accurate position may not be shown depending on satellite condition, road configuration, vehicle condition, or other circumstances. The route calculation may take longer due to hard physical and hard general restrictions on the route.

10.1 Starting navigation

To open the map view,

- ▶ tap the main area of the *Navigation* tile in the home menu.

To open the *Destinations* menu,


- ▶ tap the title bar of the *Navigation* tile in the home menu.

10.2 Entering a destination

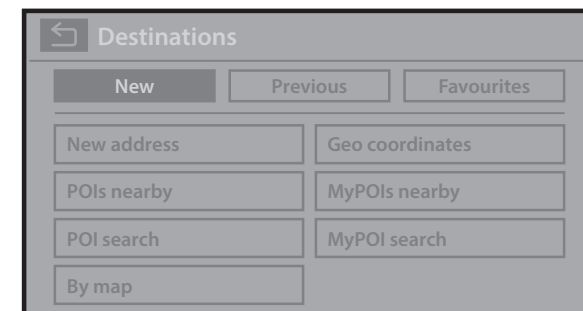
10.2.1 Opening the Destinations menu

- ▶ Tap the title bar of the *Navigation* tile in the home menu.

Or, if route guidance is not active:

- ▶ Tap  in the map view.

The *Destinations* menu is displayed:



Note:

If a route guidance session is active, the *Route* menu of the *Destinations* menu will be displayed. For more details please refer to the section entitled “Entering an address” (page 49).

Under the *New* tab, you can specify a new destination.

Please refer to the sections “Entering an address” (page 49).

If you switch to the *Previous* tab or *Favourites* tab, you can select a previous destination or a stored favourite as your new destination. Please refer to the section entitled “Selecting a previous destination or a destination stored as a favourite” (page 52).

10.2.2 Entering an address



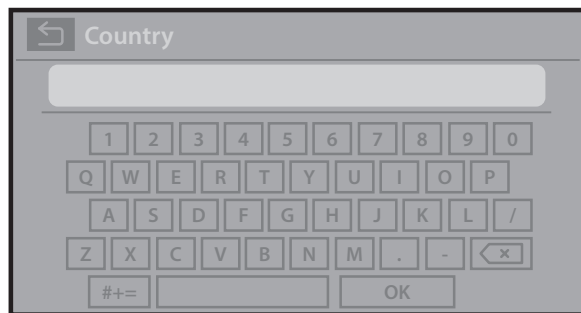
Note:

Only addresses within the scope of the navigation system's map data are available.

- ▶ If necessary, in the *Destinations* menu, tap the *New* tab.
- ▶ Tap **New address**.
The *Address input* menu is displayed.

- ▶ Enter the following address components in this order:
 1. Country
 2. City/postcode
 3. Street
 4. Junction or house number

To enter an address component,
▶ tap the relevant item.
The keyboard is displayed:



Note:

If the “Lock keypad while driving” setting is enabled, you will only be able to access the keyboard while the vehicle is stationary. For further details on this, please read the section entitled “Further system settings” (page 20).

- ▶ Enter the relevant name or number.



Note:

If necessary, tap **#+=/ÆØÜ** to show the special characters on the keyboard.

Or:

- ▶ Enter the first characters of the address component.
 - ▶ Tap **OK** to display the list of matches.
 - ▶ Tap the desired match.
- The *Address input* menu is displayed.
- ▶ Proceed with the next address component.

If you would like to further specify the address:
To access the keyboard again and add more characters of the address,
▶ tap the **»»** button.



Note:

As soon as you have entered the country and city of your destination, you can start route guidance. You will then automatically be guided to the city centre.

- ▶ Tap to start route guidance.



Note:

If the entered address is ambiguous, a list of possible destinations is displayed.

To start route guidance to the desired destination:

- ▶ Tap the desired item.

To view the details for the desired destination before starting route guidance:

- ▶ Tap for an item (see the section entitled “Location details view” (page 52)).

Or:

To view the details for the desired destination and a map of the surrounding area:

- ▶ Tap (see the section entitled “Location details view” (page 52)).

To start route guidance:

- ▶ Tap .

The system calculates the route to the selected destination.

**Note:**

If a route guidance session is already active, you can choose

- ▶ whether the current destination or, if applicable, the current waypoint should be replaced by the new destination (see the section entitled “Changing the destination while route guidance is active” (page 54))

or

- ▶ whether the new destination should be added to the current route as a waypoint (“Entering a waypoint” (page 54)).

10.2.3 Selecting a point of interest

Methods for searching for a point of interest

There are two methods for searching for a point of interest:

- ▶ Method 1: you can search for a point of interest that is located in a particular city or post-code.
- ▶ Method 2: you can search for a point of interest that is located near your current position.

**Note:**

- ▶ You can use both methods to search for a point of interest stored in the map data or in your own points of interest.
- ▶ You will find further information on your own points of interest in the section entitled “Your own points of interest” (page 66).

Follow the steps of the desired method as described below and continue reading the section “Selecting a point of interest and starting route guidance” (page 50).

- ▶ Method 1: point of interest in a city or post-code:
 - ▶ In the *Destinations* menu, tap the *New* tab.
 - ▶ Tap **POI search** or **MyPOI search**. The *Address input* menu is displayed.
 - ▶ Enter a country and a city or postcode for the point of interest, as described in the section entitled “Entering an address” (page 49).
 - ▶ Tap **POI search**.

The available point of interest categories are displayed.

- ▶ Method 2: point of interest nearby:
 - ▶ In the *Destinations* menu, tap the *New* tab.
 - ▶ Tap **POIs nearby** or **MyPOIs nearby**.

The available point of interest categories are displayed.

**Note:**

Up to 100 available points of interest inside a 150 km radius around your current position are listed.

Selecting a point of interest and starting route guidance

The available points of interest are divided into categories such as *Emergency* and *Automotive*.

- ▶ Tap the desired category.

Or:

To display all the available points of interest:

- ▶ Tap **All POIs**.

**Note:**

- ▶ A category may contain further subcategories. For example, the *Automotive* category is divided into subcategories such as *Petrol station* and *Garage*. Keep selecting the desired subcategories until the points of interest are displayed.
- ▶ You can also use a search term to find one or more particular points of interest.

To do so:

- ▶ Tap **Search**.
- ▶ Enter the desired search term.
- ▶ Confirm by tapping OK.

- ▶ Tap the desired point of interest. Details about the point of interest and a map of the surrounding area are displayed (see the section entitled “Location details view” (page 52)).

- ▶ Tap .

The *Vehicle information* is displayed.

**Note:**

If you want to modify the vehicle settings,

- ▶ tap (see the section entitled “Vehicle settings” (page 65)).

- ▶ Tap to start route guidance.

The system calculates the route to the selected destination.

**Note:**

If a route guidance session is already active, you can choose

- ▶ whether the current destination or, if applicable, the current waypoint should be replaced by the new destination (see the section entitled “Changing the destination while route guidance is active” (page 54))

or

- ▶ whether the new destination should be added to the current route as a waypoint (see the section entitled “Entering a waypoint” (page 54)).

10.2.4 Entering coordinates

- ▶ In the *Destinations* menu, tap the *New* tab, if necessary.
- ▶ Tap **Geo coordinates**. The *Enter geo coordinates* menu is displayed.
- ▶ Enter the coordinates.

**Note:**

In order to enter the values of a coordinate,

- ▶ tap the desired input field.
- ▶ Enter the value by tapping the appropriate digit on the numeric keypad.
- ▶ Tap **Change** to switch the geo coordinate format.

If you want to enter coordinates for the southern or western hemisphere,

- ▶ tap **South** or **West**.
- ▶ If you enter a wrong digit, you can delete it by tapping .

- ▶ Tap .

Details about the location and a map of the surrounding area are displayed (see the section entitled “Location details view” (page 52)).

- ▶ Tap .

The *Vehicle information* is displayed.

**Note:**

If you want to modify the vehicle settings,

- ▶ tap (see the section entitled “Vehicle settings” (page 65)).


- ▶ Tap to start route guidance.

The system calculates the route to the selected destination.

10.2.5 Selecting a destination from the map

- ▶ In the *Destinations* menu, tap the *New* tab, if necessary.
- ▶ Tap **By map**.

The map view is displayed.

- ▶ If necessary, move the map until the desired destination is positioned under the target cursor.
- ▶ Tap .

The location details view of the selected location is displayed (see the section entitled “Location details view” (page 52)).


- ▶ Tap .

The *Vehicle information* is displayed.



Note:

If you want to modify the vehicle settings,

- ▶ tap  (see the section entitled “Vehicle settings” (page 65)).

- ▶ Tap  to start route guidance.

10.2.6 Selecting a previous destination or a destination stored as a favourite

- ▶ In the *Destinations* menu, tap the *Previous* tab or *Favourites* tab.

The available destinations are displayed.



Note:

- ▶ Under the *Favourites* tab, you will find your home address at the top of the list. To specify and store the home address, please read the section entitled “Storing the home address” (page 54).
- ▶ In addition to the home address, you can store up to 30 favourites via the location details view (see the section entitled “Location details view” (page 52)).

- ▶ Tap the desired destination.

Details about the location and a map of the surrounding area are displayed (see the section entitled “Location details view” (page 52)).


- ▶ Tap .

The *Vehicle information* is displayed.



Note:

If you want to modify the vehicle settings,

- ▶ tap  (see the section entitled “Vehicle settings” (page 65)).

- ▶ Tap  to start route guidance.

The system calculates the route to the selected destination.



Note:

If a route guidance session is already active, you can choose

- ▶ whether the current destination or, if applicable, the current waypoint should be replaced by the new destination (see the section entitled “Changing the destination while route guidance is active” (page 54))

or

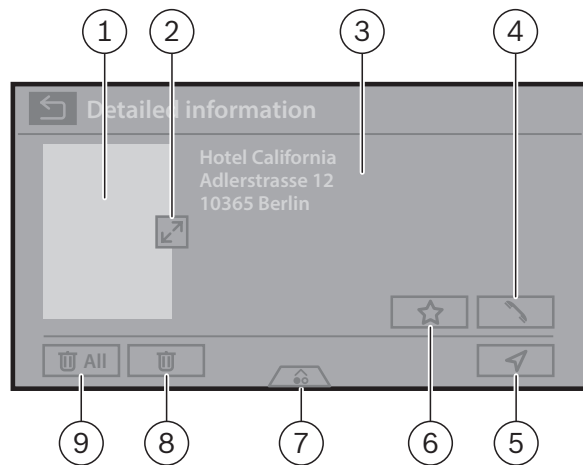
- ▶ whether the new destination should be added to the current route as a waypoint (see the section entitled “Entering a waypoint” (page 54)).

10.3 Location details view

For the following locations or destinations you can display a details view:

- ▶ Points of interest
- ▶ Previous destinations
- ▶ Favourites
- ▶ New destinations

10.3.1 Areas of the location details view



You will find the following information and controls in the details view:

- (1) Map of the area around the location
- (2) ↗ button: open full map view
- (3) Address information
- (4) ☎ button: call the stored number (only if a mobile phone is connected and if a number is stored)
- (5) 📍 button: start route guidance (only if route guidance is not active)
- (6) ☆ button: save as favourite (up to 30 favourites possible)
If the location is already a favourite:
✎ button: edit the name of the favourite
- (7) Bottom menu tab

- (8) 🗑 button: delete the location (only for previous destinations, favourites, or waypoints; only if no route guidance is active)
- (9) 🗑 All button: delete all locations in the list (either previous destinations, favourites, or waypoints; only if route guidance is not active)

10.3.2 Options in the location details view

In addition, you have these options available to you (depending on the type of location):

You can store a location in your favourites.

To do so:

- Tap ☆ (6).

Then you have the following options:

To edit the name of the new favourite before saving it:

- Tap **Edit name**.

To save the new favourite without editing the name:

- Tap **Save with displayed name**.

To store the favourite as the home address:

- Tap **Save as home** (see also the section entitled “Storing the home address” (page 54)).



Note:

- If you want to rename the destination, enter a name for it using the keyboard. If necessary, tap **#+=/ÆØÜ** to show the special characters on the keyboard. Tap **OK** to store the destination under the entered name.
- If you want to store the favourite as the home address and a home address is already stored, you are prompted to confirm the replacement of the existing home address.
- If the maximum number of favourites has already been stored, a corresponding notification appears and allows you to replace an existing favourite.

If the location is already a favourite, you can rename the favourite. To do so:

- Tap ✎ (6).
- Confirm by tapping **OK**.

A phone number is stored for some locations.

To call this number:



- Tap ☎ (4).



Note:

A mobile phone must be connected to the device for this function.

To delete the displayed location from the list of previous destinations, your favourites, or the list of waypoints:

- ▶ Tap  (8).
- ▶ Confirm by tapping .

To delete all previous destinations, favourites, or waypoints and the final destination of an active route guidance session:

- ▶ Tap  **All** (9).
- ▶ Confirm by tapping .



Note:

- ▶ If you delete a waypoint, the route is recalculated and displayed in the map view.
- ▶ If you delete all waypoints and the final destination, the route guidance session is cancelled.

To start route guidance from within the details view:

- ▶ Tap  (5).

10.4 Storing the home address

You can store a home address. This address appears at the top of the list of your favourites (see the section entitled “Selecting a previous destination or a destination stored as a favourite” (page 52)).



Note:

If a home address has already been stored, it will be replaced/overwritten by the new address after confirmation.

- ▶ In the *Destinations* menu, tap the *Favourites* tab.

- ▶ Tap **Home**.

To store the current position as the home address:

- ▶ Tap **Current position**.

Or:

To specify an address:

- ▶ Tap **Enter address**.

- ▶ Enter the address as described in the section entitled “Entering an address” (page 49).

After specifying the address, to store the entered address as the home address:

- ▶ Tap **Set as home**.

10.5 Entering a waypoint

As soon as you have started route guidance to a destination, you can enter up to nine further destinations as waypoints.



Note:

The order in which you enter additional waypoints cannot be changed at a later time. Each waypoint that you add will be placed on the route before the destination. So the last waypoint that you add will be the last waypoint on your route.

- ▶ Enter the new destination as described in the section entitled “Entering a destination” (page 48).

As soon as you tap , the *Route guidance is active* notification appears.

- ▶ Tap **Add as waypoint**.

The new destination is inserted in the route as a waypoint. The system calculates the route to the waypoint.

10.6 Changing the destination while route guidance is active

While route guidance is active:

- ▶ Enter the new destination as described in the section entitled “Entering a destination” (page 48).

As soon as you tap , the *Route guidance is active* notification appears.

- ▶ Tap **Replace destination** or **Add as waypoint**.

The system calculates the route to the new destination.

**Note:**

In case of “Replace destination” any waypoints in between will be lost.

10.7 Map view and map options

10.7.1 Opening the map view

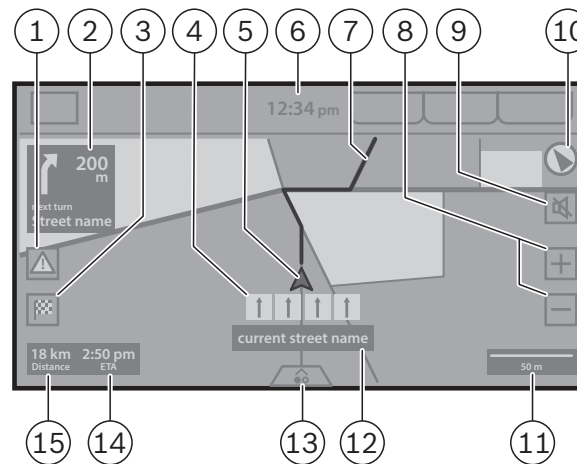
► Tap the main area of the *Navigation* tile in the home menu.

Or:

► Tap  in the Destinations menu.

10.7.2 Map view during an active route guidance session

An active route guidance session is displayed in the map view. Driving recommendations are provided in visual form (see below) and as announcements.



- (1) Display available TMC messages (only visible if TMC messages received)
- (2) Distance to the next driving manoeuvre
Visual driving recommendations (the driving manoeuvre is displayed symbolically as you approach it)
Name of the next road (only when approaching)
- (3) Switch between the route overview map and the map of the area around the vehicle
- (4) Lane guidance
- (5) Vehicle position
- (6) Clock time
- (7) Current route
- (8) Increase/decrease map scale
- (9) Mute/unmute guidance announcements (only when approaching (press (11) or (2))
- (10) Compass

- (11) Current map scale
- (12) Name of the current road
- (13) Bottom menu tab
- (14) Estimated time of arrival or estimated remaining travel time
- (15) Distance to the destination

10.7.3 Repeating the current navigation announcement

During active route guidance:



► Tap the driving manoeuvre symbol in the map view (2).

10.7.4 Changing the map scale

To increase or decrease the map scale when in the map view:

► Tap  /  (8).

**Note:**

After approx. 10 seconds, the  /  buttons are hidden.

To show them again,

► tap one of the other symbols (e.g. distance to the next driving manoeuvre (2) or (11)).

If automatic zoom is enabled (see the section entitled “More map setting options” (page 59)): if you manually change the map scale, the automatic zoom function is suspended for around 30 seconds.

10.7.5 Changing the map view mode

You can choose whether

- ▶ the map aligns with north (in this case, north always appears at the top in the map view),
- ▶ the map always aligns with your heading (in this case, the area that lies ahead of the vehicle always appears at the top in the map view),

and whether

- ▶ a 2D map is shown or
- ▶ a 3D map is shown.



Note:

3D map view option inaccessible while navigation is displayed on “Glasses CM-G”/“Map out” feature active.

To switch between these modes:

- 3D map aligned with the heading
- 2D map aligned with north
- 2D map aligned with the heading
- ▶ In the map view, tap the compass (10).



Note:

- ▶ You can also change the map orientation in the map settings (see the section entitled “More map setting options” (page 59)).
- ▶ You can also activate the 3D map view in the map settings (see the section entitled “Map settings” (page 59)).

10.7.6 Displaying TMC messages

- ▶ In the map view, tap the TMC symbol (1).

A list containing the current TMC messages is displayed.



Note:

While a route guidance session is active, you have these options:

To display only messages that concern your current route:

- ▶ Tap **On route**.

To display all current messages:

- ▶ Tap **All**.

To display details about this message:

- ▶ Tap on a message

10.7.7 Changing the displayed section of the map

During active route guidance, you can choose whether

- ▶ the map should show the entire route or
- ▶ the map should show the area around the vehicle.

To switch between the modes:

- ▶ In the map view, tap the button (3).

10.7.8 Viewing details of a location on the map

- ▶ Tap the location on the map.

- ▶ Tap **Details**.

The details view of the location is displayed (see the section entitled “Location details view” (page 52)).

10.7.9 Selecting a point of interest from the map

You can select a point of interest from the map or search for points of interest near a location on the map. Then you can view the details of a point of interest and set it as your destination, if desired.

To view details of a particular point of interest:

- ▶ If necessary, move the map until the desired point of interest is positioned under the target cursor (see the section entitled “Selecting a destination from the map” (page 52)).

- ▶ Tap .

The details view of the location is displayed (see the section entitled “Location details view” (page 52)).



Note:

If you tap a point on the map where several symbols overlap, a list of the corresponding points of interest is displayed.

- ▶ Select the desired point of interest from the list.

To search for points of interest near a location on the map:

- ▶ Tap the location on the map.
- ▶ Tap **POIs nearby**.

The available point of interest categories are displayed.

- ▶ Continue reading the section entitled “Selecting a point of interest and starting route guidance” (page 50).

10.8 Route guidance settings in the Route menu

10.8.1 Opening the Route menu



Note:

The *Route* menu is only available when a route guidance session is active.

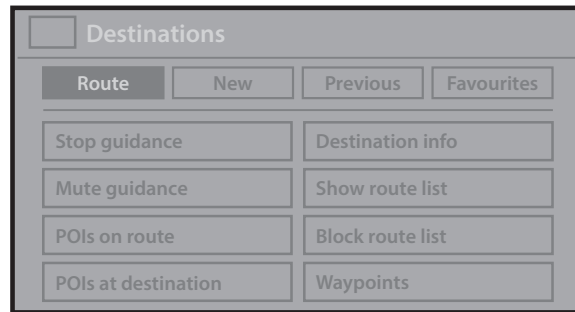
- ▶ Tap the title bar of the *Navigation* tile in the home menu.

Or:

- ▶ Tap in the map view.

Or:

- ▶ Tap the *Route* tab in the *Destinations* menu. The *Route* menu is displayed:



For the available settings and options, please refer to the following sections.



Note:

To return to the map view:

- ▶ In the *Destinations* menu, tap .

10.8.2 Cancelling route guidance

- ▶ In the *Route* menu, tap **Stop guidance**. The currently active route guidance session is cancelled.

10.8.3 Muting navigation announcements

To mute or unmute navigation announcements:

- ▶ In the *Route* menu, tap **Mute guidance** or **Unmute guidance**.

10.8.4 Searching for a point of interest on the route or near the destination

During an active route guidance session, you can select a point of interest on your route or near your destination as the destination.



Note:

If your current route goes directly to the ultimate destination, you can add the new point of interest as a waypoint or replace the ultimate destination with the new point of interest.

If your current route already goes via a waypoint to the ultimate destination, you can either replace the waypoint or the ultimate destination with the new point of interest.

- ▶ In the *Route* menu, tap **POIs at destination** or **POIs on route**.

The available point of interest categories are displayed. Continue reading the section entitled “Selecting a point of interest and starting route guidance” (page 50).

10.8.5 Displaying destination information

- ▶ In the *Route* menu, tap **Destination info**. Your current destination is displayed in the details view (see the section entitled “Location details view” (page 52)).

To return to the *Destinations* menu:

- ▶ Tap ↩.



Note:

You can block a route section by double tapping the corresponding entry in the route list (also see the following section).

10.8.6 Blocking route sections

You can block route sections that lie up ahead on your route and thus exclude them from the route. The navigation system automatically calculates a suitable alternative route.

Selecting route sections to block

- ▶ In the *Route* menu, tap **Block route list**.

The route sections up ahead on your journey are displayed.



Note:

You can block an individual route section or several consecutive route sections.

- ▶ Tap the desired route section.

Or:

If you want to block several route sections:

- ▶ Tap the first route section you want blocked.
- ▶ Tap the final route section you want blocked.

All route sections between the two selected sections are blocked.

- ▶ Tap **Recalculate route**.

The route is recalculated and displayed in the map view.



Note:

To cancel the operation:

- ▶ Tap ↩.

You will return to the *Destinations* menu.

Unblocking blocked route sections

You can unblock route sections that you previously blocked.

- ▶ In the *Route* menu, tap **Unblock route list**.

The route is recalculated and displayed in the map view.

10.8.7 Displaying the list of waypoints

- ▶ In the *Route* menu, tap **Waypoints**.

The waypoints and destination of the active route guidance session are displayed.

To view the details for the respective waypoint/destination:

- ▶ Tap an item (see the section entitled “Location details view” (page 52)).

10.9 Specifying the map settings

You can use the map settings to specify map view options.

10.9.1 Opening the map settings

To adjust the map settings:

- ▶ In navigation mode, tap the tab at the bottom of the screen.

- ▶ Tap the ⚙ button.

The navigation settings are displayed.

- ▶ Tap **Map settings**.



Note:

To scroll through the available settings:

- ▶ Touch the list area and swipe up or down.

To return to a higher menu level or leave the menu:

- ▶ Tap ↩.

10.9.2 Map settings

| 1st menu level | 2nd menu level | 3rd menu level | Function |
|----------------|------------------|----------------|---|
| Map settings | Map view | 2D map | You can switch between the normal 2D view from above and the 3D map view (perspective view). In addition, you can select the split screen mode for both view modes. In split screen mode, information about the next driving manoeuvre is emphasised on the left side of the screen. ► Tap the desired option. |
| | | Split 2D map | |
| | | 3D map | |
| | | Split 3D map | |
| | Guidance view | Full map | ► Tap the desired option. |
| | | Junction | |
| | Show POIs on map | Accommodation | Select the POI categories to be displayed on the map. ► Tap the desired option to turn it on or off. |
| | | : | |
| | | Transport | |
| | More options | | See next section. |

10.9.3 More map setting options




| 3rd menu level | 4th menu level | 5th menu level | Function |
|-------------------------|-----------------|----------------|---|
| Map orientation | North up | | Set the map orientation. ► Tap the desired option. |
| | Heading up | | |
| Left split map settings | Map orientation | North up | Set the map orientation of the left map (if <i>Split 2D map</i> or <i>Split 3D map</i> is selected as the map view). ► Tap the desired option. |
| | | Heading up | |
| | Map scale | | See the following section “Setting the map scale”. |
| | Long range | | ► Tap the desired option to turn it on or off. |
| Map text size | Small | | Set the map text size. ► Tap the desired option. |
| | Medium | | |
| | Large | | |

| 3rd menu level | 4th menu level | 5th menu level | Function |
|-------------------------------|--------------------------------|----------------|--|
| Map colour | Standard | | Set the map colour. ► Tap the desired option. |
| | Emphasis on roads | | |
| | Emphasis on text | | |
| | Emphasis on traffic jams | | |
| Select text to display on map | Place names | | Select the text information to be displayed on the map. ► Tap the desired option to turn it on or off. |
| | Facility names | | |
| | Road names | | |
| Map scrolling information | Favourites icons | | Select the information to be displayed for the location of the cross pointer on the map. ► Tap the desired option to turn it on or off. |
| | Traffic icons | | |
| | Destination/waypoint icons | | |
| | Latitude/longitude info | | |
| Tracking dots | Show tracking dots on map | | ► Tap the option to turn it on or off. |
| | Distance between tracking dots | 50 m | Set the distance between tracking dots. ► Tap the desired option. |
| | | : | |
| | | 400 m | |
| | Delete tracking dots | | Tap the option to delete the route tracking dots up to the current location (tap Yes to confirm or No to cancel). |
| Long range | | | ► Tap the option to turn it on or off. |
| Auto zoom | | | ► Tap the option to turn it on or off. |

Setting the map scale

- In the navigation settings, tap **Map settings**.
- Tap **More options**.
- Tap **Left split map settings**.
- Tap **Map scale**.

The map view with current map scale is displayed.


- Tap the map scale indication.
- Tap  or  to adjust the map scale.
- Tap  to return to the menu.

10.10 Specifying the guidance and safety settings

With the guidance settings you can specify route guidance options.

10.10.1 Opening guidance settings

To adjust the map settings:

- ▶ In navigation mode, tap the tab at the bottom of the screen.
- ▶ Tap the  button.

The navigation settings are displayed.

- ▶ Tap **Guidance and safety settings**.



Note:



To scroll through the available settings:

- ▶ Touch the list area and swipe up or down.

To return to a higher menu level or leave the menu:

- ▶ Tap .

10.10.2 Guidance and safety settings

| 1st menu level | 2nd menu level | 3rd menu level | Function |
|------------------------------|----------------------|----------------|---|
| Guidance and safety settings | Guidance volume | | ▶ Tap  or  to decrease or increase the value. |
| | Guidance voice | | ▶ Tap the desired option to turn it on or off. |
| | Traffic announcement | | |
| | Border crossing | | |
| | Traffic sign | | |

10.11 Specifying custom route preferences

You can use custom route preferences to define your requirements for the system's choice of route. The system takes these requirements into account when calculating the route.




Note:

In some cases, the navigation system may use a road or transport type that is to be avoided in order to enable you to reach your destination.

10.11.1 Opening route preference settings

To adjust the route preferences,

- ▶ in navigation mode, tap the tab at the bottom of the screen.
- ▶ Tap the  button.

The navigation settings are displayed.

- ▶ Tap **Route preferences**.



Note:

To scroll through the available settings:

- ▶ Touch the list area and swipe up or down.

To return to a higher menu level or leave the menu:

- ▶ Tap .

10.12 Route preference settings


| 1st menu level | 2nd menu level | 3rd menu level | Function |
|-------------------|-------------------|---|--|
| Route preferences | Route criteria | Shortest | Set the route type to be used for the route guidance calculation. ► Tap the desired option. |
| | | Fastest | |
| | | Optimised | |
| | Route options | Use time-restricted roads | ► Tap the option and select the desired setting: Always/When open/Never |
| | | Use roads that have seasonal restrictions | |
| | | Use traffic information | ► Tap the option and select the desired setting: Always/Prompt/Never |
| | | Use toll roads | |
| | | Minimise motorways | ► Tap the desired option to turn it on or off. |
| | | Minimise ferries | |
| | | Minimise train transport | |
| | | Minimise toll roads | |
| | | Minimise unverified roads | |
| | | Minimised unpaved roads | |
| | | Minimise HOV lanes | |
| | | Avoid border crossing | |
| | | Avoid U-turns | |
| | | Avoid tunnels | |
| | Route type | Single | Select whether route guidance calculation should calculate a single route or multiple alternative routes. ► Tap the desired option. |
| | | Multiple | |
| | Estimated time | Destination | Select whether the displayed time should apply to the final destination or to the next waypoint. ► Tap the desired option. |
| | | Waypoint | |
| | Time shown on map | ETA | Select which time should be shown on the map: ETA (estimated time of arrival) or the duration until the destination is reached. ► Tap the desired option. |
| | | Duration | |

10.13 Traffic information settings

With the traffic information settings you can specify how to use and display traffic information.

10.13.1 Opening the Traffic information settings menu

To adjust the traffic information settings:

- ▶ In navigation mode, tap the tab at the bottom of the screen.
- ▶ Tap the  button.

The navigation settings are displayed.

- ▶ Tap **Traffic information settings**.

**Note:**

To scroll through the available settings:

- ▶ Touch the list area and swipe up or down.

To return to a higher menu level or leave the menu:

- ▶ Tap .

10.13.2 Traffic information settings


| 1st menu level | 2nd menu level | 3rd menu level | Function |
|------------------------------|----------------------|-------------------------|--|
| Traffic information settings | Premium traffic | Enable premium traffic | Note: premium traffic requires a connected Bluetooth mobile phone and enabled personal hotspot on mobile phone. ► Tap the desired option to turn it on or off. |
| | | Update for each route | |
| | | Update frequency | |
| | Filter traffic icons | All traffic information | Select the categories of icons to be displayed on the map. ► Tap the desired option to turn it on or off. |
| | | Traffic jam | |
| | | : | |
| | | Narrow lanes | |
| | | All other events | |

10.14 Specifying vehicle parameters

You can specify basic vehicle parameters so that the route calculation considers vehicle properties and automatically omits unsuited or dangerous roads.

10.14.1 Opening the vehicle parameters menu

To adjust the vehicle parameters:

- In navigation mode, tap the tab at the bottom of the screen.
- Tap the  button.

The navigation settings are displayed.

- Tap **Vehicle parameters**.



Note:

To scroll through the available settings:

- Touch the list area and swipe up or down.


To return to a higher menu level or leave the menu:

- Tap .

10.14.2 Vehicle settings


| 1st menu level | 2nd menu level | 3rd menu level | Function |
|------------------|----------------|----------------|---|
| Vehicle settings | Profile | Default | Select a vehicle profile. ► Tap the desired option. Note: you can modify the parameters of profile 1. |
| | | Profile 1 | |
| | Height | | If profile 1 is selected, set the parameters if necessary: ► Tap — or + to decrease or increase the value. |
| | Length | | |
| | Width | | |
| | Total weight | | |
| | Load per axle | | |
| | Maximum speed | | |

10.15 Displaying information on the current position

- ▶ In navigation mode, tap the tab at the bottom of the screen.
 - ▶ Tap the  button.
- The navigation settings are displayed.
- ▶ Tap **Position and GPS info**.

A map of the area around your position and the following information are displayed:

- ▶ Current road
- ▶ Current city
- ▶ Longitude
- ▶ Latitude
- ▶ Altitude
- ▶ GPS information

- ▶ Tap  once to return and again to leave the menu.

10.16 Your own points of interest

In addition to the points of interest stored in the navigation data, you can also store your own points of interest and point of interest warnings on the device.

Point of interest warnings may, for instance, contain the location of sharp bends.



Safety notice

The point of interest warnings stored on the device may be incomplete or outdated.

Therefore, please always ensure you observe the actual road conditions and the traffic regulations that are in force.

10.16.1 Data format

The file containing your own points of interest must comply with the WGS84 standard.

The required file format is “.csv”.

Each line of the file may describe one point of interest containing the following pieces of information:

- ▶ Longitude
- ▶ Latitude
- ▶ Name
- ▶ Address (optional)
- ▶ Phone number (optional)

A line of the file may look like this:

77.61,12.92,Park,Bangalore City,00917829



Note:

- ▶ In a line of the file, each piece of information is separated by a comma. Therefore, you should ensure that no piece of information contains a comma. Decimal values for coordinates must use a point.
- ▶ Coordinates of the southern and western hemisphere must be specified using negative values

The name of the csv file represents the name of the point of interest category. When setting up a csv file, be sure to insert only points of interest that belong to the same category and use the name of the category as the file name.

You may create up to four additional levels of categories and subcategories if you create a corresponding folder structure. The name of a folder will be recognised as the name of the corresponding category or subcategory.

**Note:**

- ▶ The csv file or the top-level folder that represents a top-level category must be stored inside a folder named “myPOIs”. Place this folder in the root directory of a USB storage device.
- ▶ A csv file that contains POI warnings must be stored inside the folder “myPOIs” or any of its subfolders.
- ▶ The name of this file must begin with “myPOIWarnings_” and end with “.csv” (for example: “myPOIWarnings_Curves.csv”). Otherwise the POI warnings cannot be displayed.

10.16.2 MyPOIs settings

| 1st menu level | 2nd menu level | Function |
|----------------|-------------------------------|---|
| MyPOIs | POI alert | Select whether the system should display a warning when you approach a point of interest warning's location. ▶ Tap this option to turn it on or off. |
| | Download from USB flash drive | See the following section. |
| | Delete MyPOIs | Delete your own points of interest. ▶ Tap this option and confirm by tapping ✓ . |

Importing individual POIs from a USB stick

**Note:**

When you load a new file, any of your own points of interest that are already stored on the device will be deleted.

- ▶ Connect the USB storage device containing the file to the device.
- ▶ In the navigation settings, tap **MyPOIs**.
- ▶ Tap **Download from USB flash drive**.
The progress and completion of the loading operation are indicated.
- ▶ Confirm by tapping ✓ .

10.17 Resetting navigation settings

You can restore the default navigation settings such as:

- ▶ Map settings
 - ▶ Route preference settings
 - ▶ Guidance and safety settings
 - ▶ Vehicle parameter settings
 - ▶ Traffic information settings
-
- ▶ In navigation mode, tap the tab at the bottom of the screen.
 - ▶ Tap the ⚙ button.
- The navigation settings are displayed.
- ▶ Tap **Reset all navigation settings to default**.

11 Intercom and phone



Road safety

Using the hands-free feature while driving can be dangerous because your attention is reduced during a phone conversation.



Safety notice

Ensure that you follow the regulations in areas where there may be a risk due to interference by the mobile phone or a risk of a dangerous situation.



Note:

- To connect a mobile phone via Bluetooth, please refer to the section entitled “Connecting/inserting external devices and data storage devices” (page 23).
- Your mobile phone may not support all the hands-free phone features that are provided by the device.

11.1 Making an intercom call

- If necessary, in the home menu, tap the icon of the *Phone* tile to switch to the *Intercom* tile.
- Tap the main area of the *Intercom* tile. The intercom menu is displayed:
- Tap the desired intercom connection. The connection is called.

11.2 Starting phone mode



Note:

Bluetooth must be turned on to start the phone mode (please refer to the section entitled “Further system settings” (page 20)).

- If necessary, in the home menu, tap the icon of the *Intercom* tile to switch to the *Phone* tile.
- Tap the main area of the *Phone* tile. The phone menu is displayed.

11.3 Switching between phone and intercom mode

To switch between phone mode and intercom mode:

- Tap the > button.



Note:

If more than one mobile phone is connected to the device, tapping the > button switches between the connected phones and the intercom mode.

11.4 Phone menu

| Phone X > | | |
|-------------|----------|------------|
| Calls | Contacts | Dial pad |
| Contact 017 | 2 | 12-06-2021 |
| Contact 002 | 1 | 12-06-2021 |
| Contact 005 | 1 | 11-06-2021 |
| Contact 103 | 4 | 07-06-2021 |
| Contact 001 | 1 | 29-05-2021 |



Note:

- If provided by your mobile phone, the *Calls* list will show the number or contact name of the caller.
- If no mobile phone is connected, the *Select Bluetooth device* menu is displayed. For more information about the *Select Bluetooth device* menu, please refer to the section entitled “Opening the Select Bluetooth device menu” (page 24).

The phone status is displayed beside the name of the connected mobile phone at the top:

- : reception (signal strength)
 - : roaming (when you are in a roaming area)
 - : battery status
- Under the *Calls* tab, the list of calls is displayed:
- : incoming calls
 - : outgoing calls
 - : missed calls

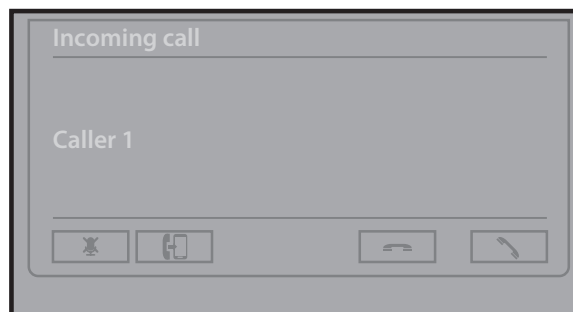
For each call, the time or date is displayed. In the case of missed calls, the number of connection attempts is displayed in front of the time/date. For more information about the *Calls* menu, please refer to the section entitled “Calling an entry in the call list” (page 71).

When you switch to the *Contacts* tab, you can call the number of a stored contact. Please refer to the section entitled “Calling a contact from the phone book” (page 71).

When you switch to the *Dial pad* tab, you can dial a number. Please refer to the section entitled “Dialling a number” (page 70).

11.5 Answering/rejecting a call

This notification appears when you receive an incoming call:



To answer a call:

- ▶ Tap .

To reject a call:

- ▶ Tap .

11.6 During the current call

To end a call:

- ▶ Tap .

To mute a call:

- ▶ Tap .

To switch the call to the mobile phone:

- ▶ Tap .

11.7 Dialling a number



Note:

- ▶ You cannot dial a number if
 - ▶ the vehicle speed exceeds 8 km/h.
 - ▶ Microphone 1 (MIC 1) is active.

- ▶ If necessary, in the phone menu, tap the *Dial pad* tab.

- ▶ Enter the number.

To call the number you entered:

- ▶ Tap .


To correct a faulty entry:

- ▶ Tap on the number you want to correct.

The orange-coloured cursor indicates the current position in the input field.



Note:

- ▶ As you type in the digits, a possible match from your phone book is suggested automatically. If the suggested match is the desired number, you can tap  straightaway.
- ▶ In the list on the right-hand side of the dial pad, all possible matches from your phone book are displayed. Instead of typing in the complete number, you may choose the desired number from the list by tapping the corresponding list entry.

11.8 Calling a contact from the phone book

- ▶ In the phone menu, tap the *Contacts* tab, if necessary.

- ▶ Tap the desired contact.

If there are several numbers of equal priority stored for the contact, all these numbers will be displayed.

- ▶ Tap the desired number.

The number is called.

11.9 Calling an entry in the call list

The call list stores the numbers that have been dialled and the numbers of received calls.



Note:

A maximum of 60 items are stored in the call list.

- ▶ If necessary, in the phone menu, tap the *Calls* tab.

- ▶ Tap the desired number.

The number is called.

11.9.1 Tone dial feature (DTMF)

During a current call, you can generate DTMF tones:

- ▶ Tap

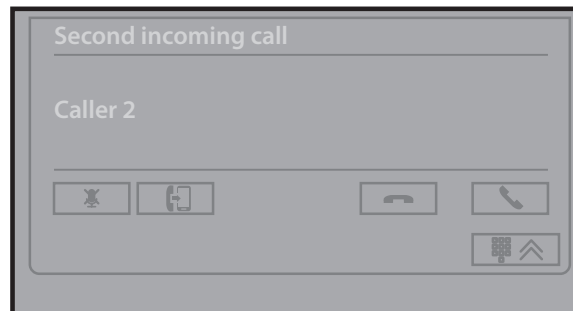
- ▶ Enter a number.

11.10 Second call

You can manage two calls simultaneously if you answer another call during your current call.

11.10.1 A second incoming call on the same device

If you receive a second call during your current call on the same device, the following notification appears:



- ▶ Tap to answer the second call.



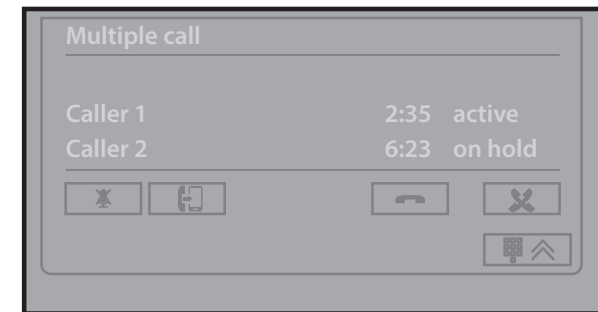
Note:

- ▶ To reject the second call, tap .

If you answer the second call, your current call is automatically interrupted and the connection put on hold.

11.10.2 Switching between two calls

If there are two simultaneous calls, the following display appears:



To switch between the two calls:

- ▶ Tap .

To end the currently active call:

- ▶ Tap .

The call that is on hold will be activated automatically.



Note:

Even if it is the person you are calling who ends the active call, the call that is on hold will be activated automatically.

11.10.3 A second incoming call on a second device

If you receive a second call during your current call on the second device a popup will appear:

- ▶ If you confirm the second call on the other device, the ongoing call on the first device will end.

11.11 SMS text messages

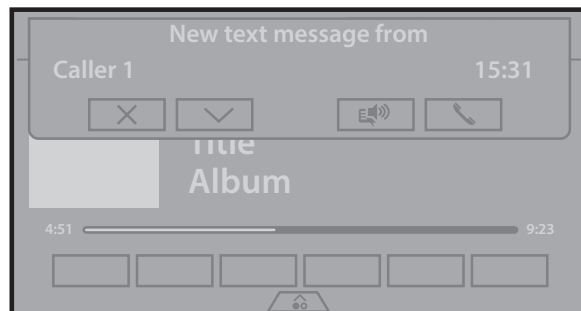
11.11.1 Reading an incoming text message



Note:

You can enable or disable the display of incoming text messages. For further details on this, please read the following section.

The following notification appears when an incoming text message arrives:



To display the text message:

- ▶ Tap

The text message is displayed.

To close the text message:

- ▶ Tap



Note:

If you wish, you can have the system read the message aloud.

To do so:

- ▶ Tap

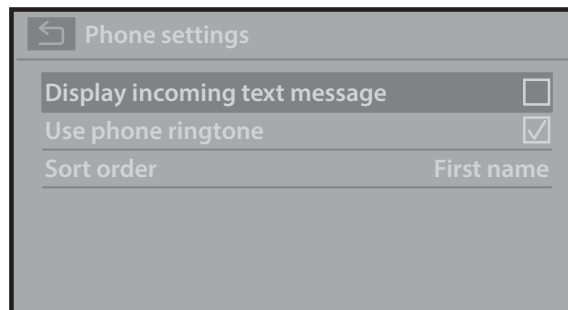
Please note that this function is not available in all system languages.

To call the message sender:

- ▶ Tap

11.11.2 Incoming text message display – on/off

- ▶ In phone mode, tap the bottom menu tab (6).
- ▶ Tap the button.



- ▶ Tap **Show incoming text**.

Display of incoming text messages is enabled when a tick is displayed in the box.

- ▶ Tap to leave the menu.

11.12 Activating the voice control system of the connected mobile phone

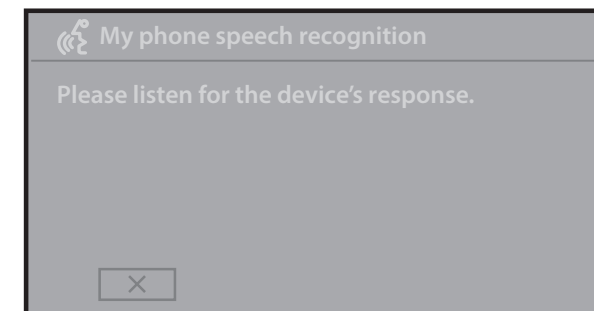


Note:

This function is only available if the connected mobile phone supports voice control.

- ▶ In phone mode, tap the bottom menu tab and then long tap the button.

The speech recognition screen is displayed:



To stop and exit the active voice control session:

- ▶ Tap

11.13 Further settings

11.13.1 Ringtone of the mobile phone

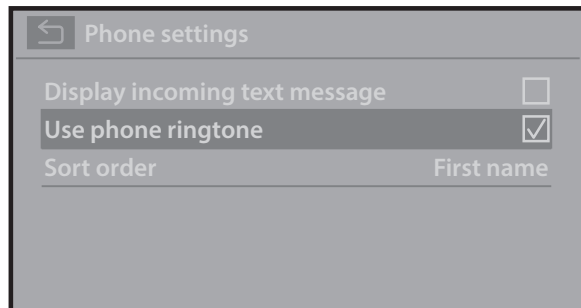


Note:

This function is only available if the connected mobile phone supports it.

For incoming calls, you can also use the ringtone of your mobile phone.

- ▶ In phone mode, tap the bottom menu tab (6).
- ▶ Tap the ⚙ button.



- ▶ Tap **Use phone ringtone**.

Your mobile phone's ringtone is used when a tick is displayed in the box.

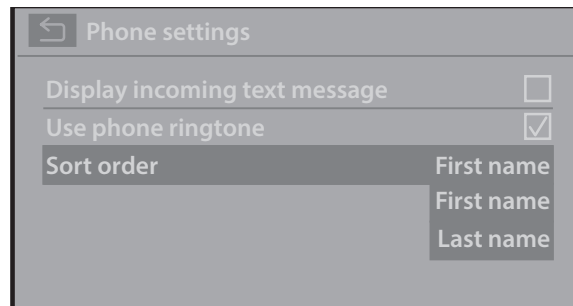
- ▶ Tap ↩ to leave the menu.

11.13.2 Phone book sort order

You can select the order in which the phone book entries are displayed.

- ▶ In phone mode, tap the bottom menu tab (6).
- ▶ Tap the ⚙ button.

The phone settings are displayed.



- ▶ Tap **Sort order**.
- ▶ Tap the desired option, **First name** or **Last name**.
- ▶ Tap ↩ to leave the menu.

12 Cameras



Note:

The cameras of the vehicle are grouped in different camera profiles. The names of the camera profiles and the number of cameras available in a profile depend on the individual configuration for your vehicle.

12.1 Displaying the current camera picture

- ▶ If necessary, call up the main menu for the desired area (cockpit, cabin).
- ▶ In the main menu, touch the main area of the *Camera* tile.

For the cockpit, the last-selected camera picture is displayed.

For the cabin, “Camera streaming stopped” is shown on the monitors in the cabin. The display shows the camera menu for the applicable camera profile.



Note:

Press the on/off button for about 3 seconds to return to the home menu.

12.2 Selecting a particular camera picture for the cockpit

- ▶ If necessary, call up the main menu for the cockpit.
- ▶ In the main menu, tap the title bar of the *Camera* tile.

The *Camera selection* menu is displayed.

- ▶ Tap the desired camera profile.

The camera picture of the selected camera is shown on the display.

If you want to switch to another camera of the selected camera profile:

- ▶ Tap the button of the desired camera.



Note:

To return to the last active camera:

- ▶ Press the camera name on the main screen.

12.3 Displaying the rear-view camera picture



Road safety

When reversing, if you only look at the picture provided by the rear-view camera, you may fail to notice other road users or objects outside the picture and may cause an accident. Therefore, please always also pay attention to your vehicle's surroundings.

When reversing, the use of the rear-view camera is only permitted if a guide provides additional assistance.



Note:

- ▶ This function is only available if the vehicle is equipped with a rear-view camera.
- ▶ The picture from the rear-view camera is automatically shown on the display for as long as the reverse gear is engaged.

- ▶ If necessary, call up the main menu for the cockpit.
- ▶ In the main menu, touch the title bar of the *Camera* tile.

The *Camera selection* menu is displayed.

- ▶ Tap *Rear view*.

The rear-view camera picture is displayed.

**Note:**

To return to the last active camera:

- ▶ Press the  button.

12.4 Selecting a particular camera picture for the cabin

- ▶ If necessary, call up the main menu for the cabin.
- ▶ In the main menu, tap the title bar of the *Camera* tile.

The camera profile menu is displayed.

- ▶ Tap the desired camera profile.

The camera menu for the selected profile is displayed. The camera picture of the first camera is shown on the monitors of the cabin.

If you want to switch to another camera of the selected camera profile:

- ▶ Tap the desired camera.

12.5 Turning the camera picture for the cabin on/off

- ▶ If necessary, call up the main menu for the cabin.
 - ▶ In the main menu, touch the icon of the *Camera* tile.
-

13 Voice control



Note:

This feature is only available if the selected system language supports voice recognition. To select a system language, please read the section entitled “Display, clock, and language settings” (page 19).



Important note:

Please understand that voice recognition errors are inherent in the process. Neither Bosch nor its suppliers shall be liable for any damages arising out of errors in the voice recognition process. Voice recognition performance depends on the user’s pronunciation and accent.

Using the voice control feature, you can select many of the device’s functions by means of spoken commands.

Voice control is available for the following operating modes:

- Phone
- Navigation
- Playing media (audio)



Note:

When voice control is active, the currently available voice commands are shown on the display. To ensure the device correctly recognises your command, please say the command as it is shown in the display. However, the device can also recognise other corresponding commands (e.g. “that’s correct”, “that’s right”, “okay”, “yup”, “yep”, or “yeah” instead of “yes”).

13.1 Voice control – start/stop

To start voice control:

- Tap the bottom menu tab and then tap the button.

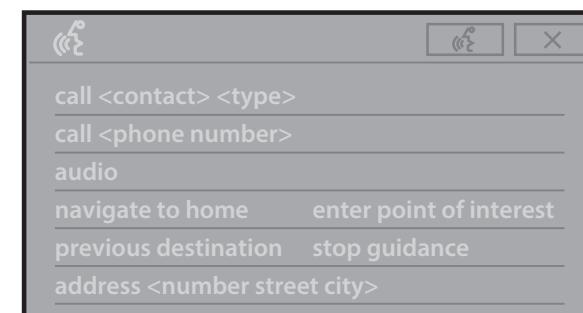
To stop voice control:

- Tap .
- Or
- wait for the system to beep and
- say “cancel”.

13.2 How voice control works

13.2.1 Main menu

As soon as you start voice control, the main menu appears:



In the main menu, you will find a selection of voice commands that you can use directly for the most important functions:

- Phone
 - Call a contact
 - Dial a number
- Navigation
 - Enter an address for route guidance
 - Select a point of interest for route guidance
 - Start route guidance to the home address
 - Select a previous destination for route guidance
 - Cancel the current route guidance session
- Playing media (audio)
 - Start playback of a song, audiobook, or podcast

**Note:**

- For each operating mode, there is a separate menu containing further commands (see the section entitled “Opening the menu for an operating mode” (page 77)).
- If a voice command opens a sub-menu, you can return to the previous menu by saying “back”.

13.2.2 Saying voice commands

The available voice commands are shown in the display. The device reads out the available options. After that, a beep indicates that the device is ready to accept your voice command.

**Note:**

- To abort the reading of the commands:
- Tap

Say the displayed command to select the corresponding function, for instance, “navigate to home” to start route guidance to the stored home address.

Certain commands are combined with names or numbers, e.g. “call <number>”. Say the displayed command and the desired number or name.

13.2.3 Opening the menu for an operating mode

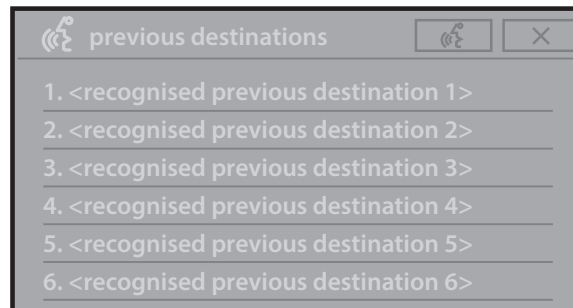
For each operating mode, there is a separate menu containing further commands.

To open the menu for an operating mode:

- Say the corresponding command:
 - “Phone”
 - “Navigation”
 - “Media”

13.2.4 Selecting from a list

If you have various items at your disposal they will be displayed in a list (e.g. various navigation destinations or various music tracks for media playback).



To select the desired item:

- Say the number of the corresponding list item, e.g. “three”.

**Note:**

To scroll up or down in the list:














- Say “previous pag” or “next page”.














13.3 Help for voice control














To obtain help with the voice control system:

- say “help”.

14 Points of interest – symbol overview

| Symbol | Description |
|---|-------------------------------------|
|  | Vacation, rental |
|  | Gas station |
|  | Hotel, Motel |
|  | Parking area |
|  | Restaurant |
|  | Museum |
|  | Theatre, music centre, amphitheatre |
|  | Sports centre |
|  | Police station |
|  | Post office |
|  | Pharmacy |
|  | Bank |
|  | Market |

| Symbol | Description |
|---|------------------|
|  | Swimming pool |
|  | Casino |
|  | Movie theatre |
|  | Marina |
|  | Winery |
|  | Ferry terminal |
|  | Truck stop |
|  | Weighing station |
|  | Embassy |
|  | Shopping centre |
|  | Stadium |
|  | Toll gate |
|  | Business park |

| Symbol | Description |
|---|-------------------------------|
|  | Railway station |
|  | Airport, airline access |
|  | Rest area |
|  | ATM cash dispenser |
|  | Beach |
|  | Tennis court |
|  | Leisure centre, entertainment |
|  | Nightlife, karaoke club |
|  | Amusement park |
|  | Golf course |
|  | Library |
|  | Mountain pass |
|  | Fast food |

| Symbol | Description |
|--|-----------------------------------|
|  | Shopping |
|  | Motorway entry/exit |
|  | Church |
|  | Mosque, synagogue, temple, ashram |
|  | Cemetery, park, seashore |
|  | Tourist office |
|  | Tourist attraction, planetarium |
|  | University |
|  | Bus parking |
|  | Fair |

15 Technical data

| | |
|----------------------------|--|
| Power supply | 13.5 V (via CM-A 19) |
| Current consumption | |
| During operation | 1.6 A, active navigation and audio 2 x 2 W |
| Max. current | 10 A |
| Standby current | < 0.1 mA |
| Frequency ranges | |
| EU variant | |
| FM | 87.5–108 MHz |
| AM | 522–1,611 kHz |
| DAB (band III) | 174.928–229.072 MHz |
| Bluetooth | A2DP, AVRCP, HFP, MAP, PBAP, SPP, hands-free phone calls, phone book, music playback |
| Inputs | |
| MIC | 1 mV for dyn. microphones private mode |
| 2 x USB | USB 2.0, HSD connectors WMA, MP3, AAC, MFi-IAP2, MTP |
| Analogue camera | Rear-view camera, camera sources via CM-P 19 |

| | |
|------------------------|--|
| Output power | 2 x 20 W |
| Display | 7" capacitive touch display, 800 x 480 pixels |
| Operating temperature | -20 °C to +70 °C |
| Storage temperature | -40 °C to +85 °C |
| Dimensions (L x W x H) | 188 x 120 x 204 mm |
| Weight | Approx. 1,500 g Approx. 1,750 g incl. mounting frame 7 620 270 013 |
| Certification | |
| EU variant | CE, UN ECE R10, UN ECE R118, UKCA |
| NAFTA | FCC |
| Mexico | IFT/IFETEL |

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