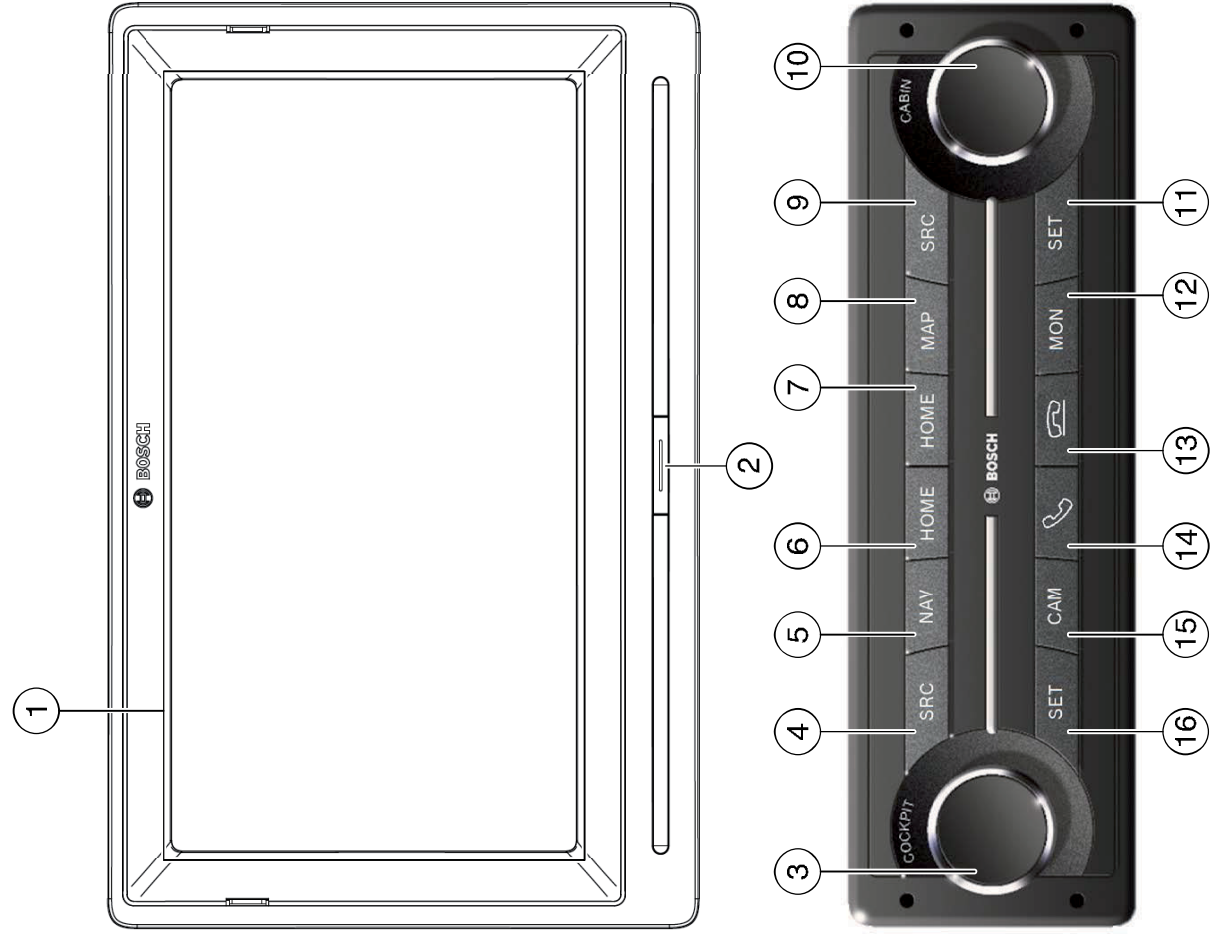


# Center CM-C 19

en Operating instructions



1 Display

2 On/off button  
Switch the device on/off

### For cockpit area:

3 Cockpit volume control  
Turn: Adjust cockpit volume  
Push: Mute/unmute the cockpit audio source

4 **SRC** button  
Select cockpit source

5 **NAV** button  
Start the navigation system, switch between map view and the *Destination* menu or, while a route guidance is active, the *Route* menu.

6 **HOME** button  
Open the cockpit home menu

13 button  
Open the call lists  
When receiving an incoming call: Reject call

button  
Open the call lists  
When receiving an incoming call: Answer call

15 **CAM** button  
Show current camera image on the display

16 **SET** button  
Open the cockpit settings menu

For the **passenger area**:

- 7 **HOME** button  
Open the home menu for the passenger area
- 8 **MAP** button  
Display/hide the map view of the navigation system in the passenger area
- 9 **SRC** button  
Select the source for the passenger area
- 10 Passenger area volume control  
Turn: Adjust the volume for the passenger area  
Push: Mute/unmute the audio source of the passenger area
- 11 **SET** button  
Open the settings menu for the passenger area
- 12 **MON** button  
Switch on/off the monitors of the passenger area

# Contents

<b>1</b>	<b>Regulatory information .....</b>	<b>8</b>
<b>3</b>	<b>Symbols used in this document..</b>	<b>9</b>
<b>4</b>	<b>Important information.....</b>	<b>9</b>
4.1	Cleaning information.....	10
<b>5</b>	<b>Operation.....</b>	<b>11</b>
5.1	Touchscreen controls.....	11
5.1.1	Tapping .....	11
5.1.2	Swiping.....	11
5.1.3	Zooming the map view .....	11
5.1.4	Scrolling the visible map area.....	11
5.2	Switching the device on/off .....	12
5.3	Adjusting the volume.....	12
5.3.1	Increasing/decreasing the volume ..	12
5.3.2	Muting the device.....	12
5.4	Home menu for cockpit and passenger area.....	12
5.4.1	Home menu for the cockpit.....	12
5.4.2	Home menu for the passenger area .....	12
5.4.3	Switch between the home menus...	13
5.4.4	Direct selection of functions in the home menu .....	13
5.4.5	System functions in the home menu .....	15
5.5	The displays of the main operating modes.....	15
5.5.1	Radio listening and playing media...	15
5.5.2	Telephone.....	16
5.5.3	Navigation .....	16
5.5.4	Smartphone integration.....	16
5.5.5	Switching between the displays of the main operating modes.....	16
5.6	Sound settings .....	16
5.6.1	Adjusting the bass and treble .....	17
5.6.2	Adjusting the balance.....	17
5.6.3	Adjusting the fader.....	17
5.6.4	Selecting an equalizer preset.....	17
5.6.5	Adjusting the speed dependent volume.....	17
5.6.6	Volume adjustment for the AUX source .....	18
5.6.7	Volume adjustment for an external DVD source .....	18
5.6.8	System beep – on/off.....	18
5.7	Setting the time and date .....	18
5.7.1	Selecting the date format .....	18
5.7.2	Selecting the time format .....	19
5.7.3	Setting the time via GPS .....	19
5.7.4	Setting the time manually .....	19
5.8	Further system settings.....	20
5.8.1	Adjusting the display brightness .....	20
5.8.2	Setting the language .....	20
5.8.3	Selecting the system of measurement .....	21
5.8.4	Displaying information about open-source software .....	21
5.8.5	Reset to the factory settings.....	21
5.9	Connecting/inserting external devices and data storage devices .....	21
5.9.1	General information .....	21
5.9.2	SD card .....	22
5.9.3	USB storage device/Apple.....	23
5.9.4	AUX audio source .....	23
5.9.5	Enabling the external DVD input .....	24
5.9.6	Connecting a device via Bluetooth®.....	24
5.9.7	Connecting a smartphone via smartphone integration .....	26

<b>6</b>	<b>FM/AM radio mode .....</b>	<b>27</b>	<b>7</b>	<b>DAB radio mode.....</b>	<b>30</b>	<b>8</b>	<b>Playing media .....</b>	<b>33</b>
6.1	Listening to the radio.....	27	7.1	Listening to DAB.....	30	8.1	Selecting a media source.....	33
6.2	The tuner display.....	27	7.2	The DAB display .....	31	8.2	Calling up the audio/video display.....	34
6.3	Calling up the tuner display .....	28	7.3	Calling up the DAB display .....	31	8.3	Audio playback.....	34
6.4	RDS .....	28	7.4	DAB features .....	31	8.3.1	The audio display .....	34
6.4.1	AF mode – on/off.....	28	7.5	DAB service list.....	31	8.3.2	Pausing playback.....	34
6.4.2	Regional mode – on/off.....	28	7.6	Selecting services .....	31	8.3.3	Skipping to the next/previous title..	34
6.5	Selecting the waveband/memory bank .....	28	7.7	Storing services .....	31	8.3.4	Selecting titles in the media browser.....	34
6.6	Tuning stations.....	29	7.7.1	Storing services manually .....	31	8.3.5	Fast forward/rewind.....	34
6.6.1	Tuning stations manually.....	29	7.7.2	Storing services automatically .....	31	8.3.6	Skipping forwards/backwards in the current title.....	35
6.6.2	Starting seek tuning.....	29	7.8	Listening to a stored service.....	32	8.3.7	Repeating a title.....	35
6.6.3	Station list.....	29	7.9	Listening to a service's secondary audio channel .....	32	8.3.8	Shuffle function.....	35
6.6.4	Scanning receivable stations.....	29	7.10	Preselecting programme types ...	32	8.4	Video playback .....	35
6.7	Storing stations.....	29	7.11	Displaying DAB extra information.....	32	8.4.1	The video display .....	35
6.8	Listening to a stored station .....	29	7.12	DAB service following .....	33	8.4.2	Pausing playback.....	35
6.9	Radio-text display – on/off.....	29	7.13	DAB-FM switching.....	33	8.4.3	Skipping to the next/previous title..	36
6.10	Traffic announcement.....	29				8.4.4	Selecting titles in the media browser.....	36
6.10.1	Traffic announcement priority – on/off.....	30				8.4.5	Fast forward/rewind.....	36
6.10.2	Cancelling a playing traffic announcement.....	30				8.4.6	Skipping forwards/backwards in the current title.....	36
						8.4.7	Full-screen mode – on/off.....	36
						8.5	Media browser .....	36
						8.5.1	The browser display .....	36
						8.5.2	Selecting titles .....	37
						8.5.3	Closing the browser without selecting a title.....	37

<b>9</b>	<b>Navigation</b> .....	<b>37</b>		
9.1	Starting navigation.....	38		
9.2	Entering a destination.....	38		
9.2.1	Opening the Destinations menu.....	38		
9.2.2	Entering an address.....	38		
9.2.3	Selecting a point of interest.....	40		
9.2.4	Entering coordinates.....	41		
9.2.5	Selecting one of the previous destinations or a destination stored as a favourite.....	41		
9.3	Location details view.....	41		
9.3.1	Areas of the location details view ...	42		
9.3.2	Options in the location details view.....	42		
9.4	Storing the home address.....	43		
9.5	Entering a waypoint.....	43		
9.6	Changing the destination while route guidance is active.....	43		
9.7	Map view and map options.....	43		
9.7.1	Opening the map view.....	43		
9.7.2	The map view during an active route guidance session.....	43		
9.7.3	Repeating the current navigation announcement.....	44		
9.7.4	Changing the map scale.....	44		
9.7.5	Changing the map view mode.....	44		
9.7.6	Displaying TMC messages.....	44		
9.7.7	Changing the displayed section of the map.....	45		
9.7.8	Selecting a destination or waypoint from the map.....	45		
9.7.9	Viewing details of a location on the map.....	45		
9.7.10	Selecting a point of interest from the map.....	45		
9.8	Route guidance settings in the Route menu.....	45		
9.8.1	Opening the Route menu.....	45		
9.8.2	Cancelling route guidance.....	46		
9.8.3	Muting navigation announcements.....	46		
9.8.4	Displaying destination information.....	46		
9.8.5	Displaying the route list.....	46		
9.8.6	Displaying the list of waypoints.....	46		
9.8.7	Searching for a point of interest on the route or near the destination.....	46		
9.8.8	Blocking route sections.....	46		
9.9	Specifying guidance and map settings.....	47		
9.9.1	Opening the guidance and map settings.....	47		
9.9.2	Displaying points of interest on the map.....	47		
9.9.3	Selecting the map orientation.....	47		
9.9.4	3D map view – on/off.....	48		
9.9.5	Enabling automatic zoom.....	48		
9.9.6	Lane guidance – on/off.....	49		
9.9.7	Voice guidance – on/off.....	49		
9.9.8	Visual driving recommendations in other operating modes – on/off.....	49		
9.9.9	Acoustical traffic information.....	49		
9.10	Specifying custom route options.....	50		
9.10.1	Opening the route options.....	50		
9.10.2	Selecting the basic type of route.....	50		
9.10.3	Activating dynamic route guidance with TMC.....	50		
9.10.4	Avoiding certain types of road and transport.....	51		
9.11	Displaying information on the current position.....	51		
9.12	Your own points of interest.....	51		
9.12.1	Data format.....	52		
9.12.2	Loading your own points of interest onto the device.....	52		
9.12.3	Point of interest warnings – displayed during the journey – on/off.....	52		
9.12.4	Deleting your own points of interest from the device.....	53		
9.13	Enabling the keyboard lock while driving.....	54		
9.14	Selecting the geo coordinate format.....	54		
9.15	Updating the map data.....	54		
9.16	Retrofitting the navigation function.....	55		

<b>10 Telephone .....</b>	<b>55</b>	<b>11 Smartphone integration .....</b>	<b>59</b>	<b>14 Points of interest – symbol overview.....</b>	<b>64</b>
10.1 Starting phone mode .....	55	11.1 Calling up the smartphone display.....	60	<b>15 HD Radio troubleshooting.....</b>	<b>66</b>
10.1.1 Opening the phone menu.....	55	11.2 Selecting a particular application on a smartphone .....	60	<b>16 Technical data.....</b>	<b>67</b>
10.2 Answering/rejecting a call .....	56	<b>12 Rear-view camera .....</b>	<b>61</b>		
10.2.1 Answering a call .....	56	12.1 Picture settings for the rear-view camera .....	61		
10.2.2 Rejecting a call.....	56	12.1.1 Guide lines – on/off .....	61		
10.3 During the current call .....	56	12.1.2 Adjusting the picture brightness and contrast.....	62		
10.3.1 Ending the call .....	56	<b>13 Voice control.....</b>	<b>62</b>		
10.3.2 Muting the call .....	56	13.1 Voice control – start/stop .....	62		
10.3.3 Switching the call to the mobile phone.....	56	13.2 How voice control works.....	63		
10.4 Dialling a number.....	57	13.2.1 The main menu.....	63		
10.5 Calling a contact from the phone book.....	57	13.2.2 Saying voice commands .....	63		
10.6 Calling an entry in the call list.....	57	13.2.3 Opening the menu for an operating mode.....	63		
10.6.1 Tone dial feature (DTMF) .....	57	13.2.4 Selecting from a list.....	63		
10.7 Second call.....	57	13.3 Help for voice control.....	64		
10.7.1 A second incoming call .....	57				
10.7.2 Switching between two calls .....	57				
10.8 SMS text messages .....	58				
10.8.1 Reading an incoming text message.....	58				
10.8.2 Incoming text message display – on/off .....	58				
10.9 Activating the voice control system of the connected mobile phone.....	58				
10.10 Further settings.....	59				
10.10.1 Ringtone of the mobile phone.....	59				
10.10.2 Phone-book sort order.....	59				

# 1 Regulatory informa-

## For Europe

Hereby, Robert Bosch Car Multimedia 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](http://www.bosch-professional-systems.com)

- ▶ Frequency band  
2400 – 2480 MHz
- ▶ Radiated power (EIRP)

## ▶ Hints/Restrictions

- Internal antenna:  
Internal antenna not accessible by user.
- Any change of the user will violate the legal approval of this product.

## For 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 Industry 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.

ment not expressly approved by Robert Bosch GmbH may void the FCC authorization 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 by one or more of the following measures:

- ▶ Reorient or relocate the receiving antenna.
- ▶ Increase the separation between the equipment and receiver.
- ▶ Connect the equipment into 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 minimum distance of 20 cm between the radiator 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 interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

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;
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.



**For Mexico**

IFT/IFETEL: T8D

Marca: Bosch

Modelo: Center CM-C 19

La operacion de este equipo esta sujeta a las siguientes dos condiciones:

- (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y
- (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operacion no deseada.

**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 for 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* like *Balance* indicate such elements as the name of a menu or menu item.

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

**Safety notice**

- ▶ Immediate danger that could cause serious personal injury or death.
- ▶ Potentially dangerous situation that could cause serious personal injury or death.
- ▶ Potentially dangerous situation that could cause personal injury or damage to property.

## 4 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 in the dashboard of a coach. The operating voltage of the device is 12 V. 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**

- ▶ Operating the device is only permitted when the driving and traffic situation allow you to do so. Before starting to use the device, make sure that you, your passengers and other road users are not put in danger, hindered or inconvenienced. **The road traffic regulations apply at all times.**
- ▶ The device has to be used so 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 the volume is set at a level that is appropriate for the particular driving and traffic situation.
- ▶ The usage of the navigation system does not absolve the driver of the responsibility of a correct and vigilant attitude. 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.

### Risk of electrical shock or fire

If you disassemble the device, it might 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 "Switching the device on/off" (page 12).

- ▶ Only use appropriate connecting cables and external devices in 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.

#### **4.1 Cleaning**

- ▶ 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.



#### **Note:**

Dust on the display may impair the functioning of the touchscreen. If the device detects that the display is dirty, a corresponding notification will appear. In this case, clean the display to ensure reliable functioning of the touchscreen.