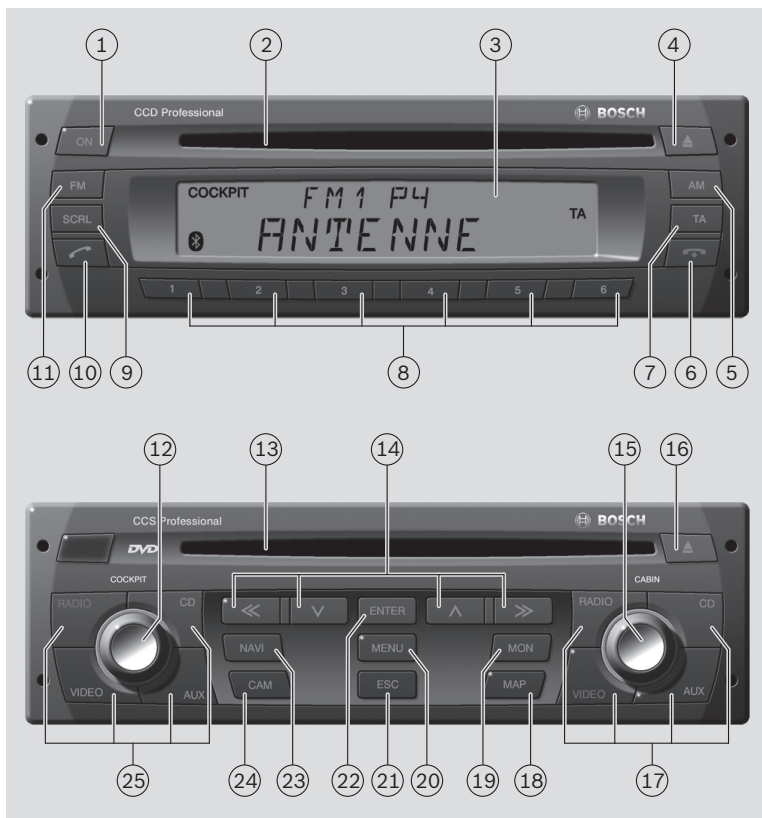# Professional Line 3
CCD/CCS/CPA

BOSCH

- **de** Kurzanleitung
- **en** Operating instructions
- **fr** Mode d'emploi
- **es** Instrucciones de manejo
- **it** Istruzioni d'uso
- **pt** Instruções de serviço
- **nl** Gebruiksaanwijzing
- **dk** Betjeningsvejledning
- **sw** Bruksanvisning
- **sf** Käyttöohje
- **pl** Instrukcja obsługi
- **tr** Kullanım kılavuzu

CCD: 7 620 200 016
           7 620 200 026
CCS: 7 620 200 010
           7 620 200 030
           7 620 200 040
           7 620 200 050
CPA: 7 620 200 022
           7 620 200 023

(1) **ON** button
Switch the system on/off

(2) CD compartment of the CCD

(3) Display

(4) CD eject button ⏏ (drive of the CCD)

(5) **AM** button
Select the MW, LW, SW (Europe) or AM
(NAFTA, LAM, ASIA) wavebands

(6) ☎ button
End a call made via a Bluetooth® mobile
phone
For devices without Bluetooth®:
>> button
Start seek tuning

(7) **TA** button
Short press: Activate/deactivate traffic
announcement priority; cancel a playing
traffic announcement
Long press: Start the Travelstore function

(8) Station buttons **1** - **6**
Short press: Select a stored station
Long press: Store a station

(9) **SCRL** button
Display the contents of the display as
scrolling text

(10) ☎ button
Short press: Answer a call via a Bluetooth®
mobile phone; call a selected contact
Long press: Open the phone book
For devices without Bluetooth®:
<< button
Start seek tuning

(11) **FM** button
Select the FM and WB (only NAFTA)
wavebands, switch between the FMTS,
FM1, FM2 and WB (only NAFTA) memory
banks

(12) Left control knob for the cockpit
Turn: Adjust the volume and the menu
selection
Press: Open and confirm menu items

(13) DVD/CD compartment of the CCS

(14) Remote buttons

(15) Right control knob for the cabin
Turn: Adjust the volume and the menu
selection
Press: Open and confirm menu items

(16) DVD/CD eject button ⏏ (drive of the CCS)

(17) Source buttons (cabin)
RADIO: Select the radio audio source for
the cabin
CD: Select the CD audio source for
the cabin (drive of the CCD)
AUX: Select the USB and AUX audio
sources for the cabin
VIDEO: Select the video source for the
cabin (drive of the CCS and
external video sources)

⑱ **MAP** button
Display the navigation map display in the
cabin (only when a Coach Navigation unit
is connected in conjunction with a suitable
driver's monitor)

⑲ **MON** button
Activate, deactivate and/or synchronise
the monitors in the cabin

⑳ **MENU** button
Open the main menu to configure the
device's main functions

㉑ **ESC** button
Close menus

㉒ **ENTER** button
Confirmation function in navigation,
video, DVD and TV mode

㉓ **NAVI** button
Activate the control of a connected naviga-
tion system using:
- ▶ remote buttons ③
- ▶ **ENTER** button ⑪
in the same way as the remote control of
the navigation system

㉔ **CAM** button
Select a camera image on the driver's
monitor

㉕ Source buttons (cockpit)
RADIO: Select the radio audio source for
the cockpit
CD: Select the CD audio source for
the cockpit (drive of the CCD)
AUX: Select the USB and AUX audio
sources for the cockpit
VIDEO: Select the video source for the
cockpit (drive of the CCS and
external video sources)

en

Contents

en

Notes and accessories

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 CCS and CCD must each be installed in a 1-DIN compartment in the dashboard of a coach.

Electrical power must be supplied to the CCS and CCD only via the CPA.

The operating voltage of the CPA is 24 V.

The CPA must be installed in a location other than the dashboard and in a position determined by particular layout of the vehicle.

> ⚠ **Road safety**
> Road safety has absolute priority.
>
> ▶ Only operate the device if the driving and traffic situation allow you to do so.
> ▶ Familiarise yourself with the device before setting off on your journey.
>
> You must always be able to hear police, fire service and ambulance sirens in good time from inside your vehicle.
>
> ▶ You must therefore listen to the sound system at an appropriate volume level during your journey.

Disposal of end-of-life appliances

🗑 Please do not dispose of your end-of-life appliance in the household refuse.
To dispose of the end-of-life appliance, please use the available waste return and recycling systems.

Connecting additional devices (option)

The CCS (Coach Control System) is the central control unit of the Coach Professional Line 3 – it enables you to adjust and control the coach's audio and video sources separately for the driver (cockpit) and for the passengers (cabin). The CCD adds a display, an additional CD drive, and further controls to the system. The CCS can only be used in conjunction with the CPA 811 or CPA 2011 amplifier (Coach Power Amplifier).

> **Note:**
> The CCS does not have its own display; all the CCS's information displays are displayed to the driver on the CCD's display or optionally on the display of a connected Coach Navigation unit or on the vehicle's multifunction display.

You can connect the following additional devices to the CCS (not included in the scope of delivery):

▸ **Video players, DVD players, and TV tuners**
Besides the system's internal DVD drive, it is possible to connect two addition video sources (video/DVD player or TV tuner) for playing videos or DVDs or for television reception. If you want to connect two additional video sources, you will need a Videobox.

▸ **Coach Navigation**
for navigating and for displaying the navigation map and system displays.

▸ **Driver's monitor**
for displaying images from cameras, navigation information, and a video signal as well as for displaying the system settings when used in conjunction with the Coach Navigation unit (only suitable for integration in the dashboard).

Switching on/off

Function	Action	Note
Switch on/off	▶ Press the **ON** button ①	When the vehicle ignition is off, the system switches off automatically after 1 hour to conserve the vehicle battery.
	▶ Switch the vehicle ignition on/off	The system will only switch on together with the vehicle ignition if it was previously switched off together with the vehicle ignition.
	▶ Switch microphone 1 (MIC1) on/off	Only when the vehicle ignition is switched on. The system will only switch off together with microphone 1 (not included in the scope of delivery) if it was previously switched on together with microphone 1.

> **i** **Note:**
> Whilst the vehicle ignition is on, the system will switch on automatically for an incoming call if a telephone is present that is connected directly or via Bluetooth®.

Selecting functions and adjusting settings

Direct selection

Important and frequently used functions can be selected directly by pressing a button on the CCS/CCD. In order to select certain functions, it is necessary to keep the corresponding button pressed down longer (approximately 3 seconds).

> **i** **Note**
> In order to use the functions of certain buttons for the cabin, you must first switch the focus of control over to the cabin. You will find further information about the focus of control in the "Focus of control" section in this chapter.

In the menu

Access to all the system's functions and settings is provided in menus.

Opening menus

Function	Action	Note
Open the main menu	▶ Press the **MENU** button 20	–
Open the menu of an audio/video source for the cockpit	▶ Press the control knob 12	Only for an audio/video source that is currently active.
Open the menu of an audio/video source for the cabin	▶ Press the control knob 15	

Navigating in the menu

Function	Action	Note
Select a menu item on the current menu level	▶ Turn the control knob 12 or 15	–
Confirm a menu item or open a submenu	▶ Press the control knob 12 or 15	Menu items that contain a submenu are indicated with "*" (e.g. "*AUD").
Return to the parent menu.	▶ Press the **ESC** button 21	–
Leave a menu	▶ Long press the **ESC** button 21	–

Focus of control

On the CCS, you can select and control the audio and video sources for the cockpit and cabin separately. You can use the remote buttons 14 and the **ENTER** button 22 to select functions for the currently active audio/video source in the cockpit as well as in the cabin. By default, the focus of control is set to controlling the audio/video source in the cockpit. If you press a remote button 14 or the

ENTER button 22, you will be controlling the audio/video source that is currently active in the cockpit.

To control an active audio/video source in the cabin, you must first switch the focus of control over to the cabin. To do so, press the control knob 15 or a source selection button for the cabin 17. The focus of control will then switch over to the cabin and you can use the remote

buttons ⑭ and the **ENTER** button ㉒ to control the audio/video source that is active in the cabin. The focus of control will switch back automatically to the cockpit approximately 10 seconds after the last button press.

> **Notes**
> ℹ️
> ▶ The current focus of control is indicated in the display ("COCK-PIT" or "CABIN").
> ▶ The focus of control will also switch over to the cabin when you select a different audio/video source for the cabin.

▶ You can manually return the focus of control to the cockpit by pressing the control knob ⑫.

▶ When you select the navigation system as the source in the cockpit, the focus of control will switch to the navigation unit (see the chapter entitled "Navigation functions on the CCS").

Selecting an audio/video source

Selecting audio/video sources on the CCS

Selecting an audio/video source for the cockpit

Function	Action	Note
Select the radio	▶ Press the **RADIO** button ㉕	–
Select the CD in the CCD drive	▶ Press the **CD** button ㉕	–
Select AUX/USB	▶ Press the **AUX** button ㉕ (if necessary, several times)	AUX can only selected if the AUX input has been activated (see the chapter entitled "Further system settings"). You can only select USB if a data storage medium is connected.
Select the DVD/CD in the CCS drive or video source 1 or 2	▶ Press the **VIDEO** button ㉕ (if necessary, several times)	You can only select video source 1 or 2 if an external device (e.g. a DVD, TV, or DVC) is connected.

Selecting an audio/video source for the cabin

Function	Action	Note
Select the radio	▶ Press the **RADIO** button ⑰	–
Select the CD in the CCD drive	▶ Press the **CD** button ⑰	–
Select AUX/USB	▶ Press the **AUX** button ⑰ (if necessary, several times)	AUX can only selected if the AUX input has been activated (see the chapter entitled "Further system settings"). You can only select USB if a data storage medium is connected.
Select the DVD/CD in the CCS drive or video source 1 or 2	▶ Press the **VIDEO** button ⑰ (if necessary, several times)	You can only select video source 1 or 2 if an external device (e.g. a DVD, TV, or DVC) is connected.

Selecting an audio/video source in the menu of the current audio/video source

> **Note:**
> Source selection in the menu of the
> current audio/video source is only
> possible using the extended menu
> (see the section entitled "Settings in
> the main menu" that is located in the
> "Display settings" chapter).

1st Menu level	2nd Menu level	3rd Menu level	Function
:			
*AUD	:		
	*SOURCE	RADIO	Select the radio
		CD	Select the CD in the CCD drive
		USB	Select USB (only if available)
		AUX	Select AUX
		CCS	Select the DVD/CD in the CCS drive
		VIDEO1	Select video source 1 (only if available)
		VIDEO2	Select video source 2 (only if available)

Adjusting the volume and sound

Adjusting the volume of the currently playing source

Function	Action	Note
Adjust the volume for the cockpit	▶ Turn the control knob ⑫	At a volume level of "0", "MUTE" will be displayed.
Adjust the volume for the cabin	▶ Turn the control knob ⑮	At a volume level of "0", "MUTE" will be displayed.

Adjusting the default volume levels for various sources in the main menu

1st Menu level	2nd Menu level	3rd Menu level	Function
:			
*SETVOL	*COCKPIT	MIN V	Min. and max. system volume after power on
		MAX V	
		TA V	Volume for traffic announcements
		NAVI V	Volume for navigation announcements
		PHONE V	Volume for telephone audio
		ALARM V	Alarm volume (driver warning system)
	*CABIN	MIN V	Min. and max. system volume after power on
		MAX V	
		MIC1 V	Volume for microphone announcements
		MIC2 V	
		MIC2 MIX	
		MIC3 V	
		MIC3 MIX	

Once you have selected a menu item on the 3rd menu level:

▶ Press the control knob ⑫ to confirm the menu item.

The current volume level is displayed.

▶ Set the desired volume using the control knob ⑫.

▶ Press the **ESC** button ㉑ to return to the previous menu level.

Adjusting the sound of the currently playing source

You will find the following functions in the
menu of the current audio/video source:

1st Menu level	2nd Menu level	3rd Menu level	Function
:			
*AUD	BASS	BASS -7 ... +7	Adjust the bass level
	TREBLE	TREBLE -7 ... +7	Adjust the treble level
	BALANCE	BALANCE -7 ... +7	Adjust the right/left volume distribution
	FADER	FADER -7 ... +7	Adjust the front/rear volume distribution
	CENTER		Reset the sound settings to "0"
	RESTORE		Reset the sound settings to the stored sound profile
	:		

Storing a sound profile

In the main menu you can store the current
settings for the bass and treble levels and for
the volume distribution as a sound profile. You
can reset the sound settings at any time to this
sound profile (see the section entitled
"Adjusting the sound of the currently playing
source" in this chapter; "RESTORE" menu item
in the "*AUD" menu).

i **Note:**
In order to prevent unintentional
changes being made in the "*MORE"
menu, "CODE" is displayed as soon
as you have confirmed the "*MORE"
menu item. When "CODE" is
displayed, press both of the control
knobs ((12) and (15)) simultaneously
to open the "*MORE" menu.

1st Menu level	2nd Menu level	Function
:		
*MORE	:	
	SAVE	Store a sound profile

Volume and sound for microphone announcements

Functions on the CCS

Function	Action	Note
Adjust the volume	▶ Turn the control knob ⑮	Only whilst the microphone is switched on.
Set the distribution of the volume between the announcement and the background audio playback (MIX)	▶ Whilst keeping the control knob ⑮ pressed down, turn it	Only whilst microphone 2 or 3 (MIC2 / MIC3) is switched on.
Open the menu	▶ Briefly press the **MENU** button ⑳	For sound adjustments in the menu, see the next section.

Functions in the microphone menu

1ˢᵗ Menu level	2ⁿᵈ Menu level	Function
BASS	BASS -7 ... +7	Adjust the bass level
TREBLE	TREBLE -7 ... +7	Adjust the treble level

Volume and sound for external announcements and alarms (driver warning system)

You can adjust the volume and sound for external announcements (e.g. navigation announcements and phone calls played over the cockpit loudspeakers) as well as for alarms.

Functions on the CCS

Function	Action	Note
Adjust the volume	▶ Turn the control knob ⑫	Only during an active announcement.
Set the distribution of the volume between the announcement and the background audio playback (MIX)	▶ Whilst keeping the control knob ⑫ pressed down, turn it	Only for navigation announcements and phone calls. Only during an active announcement.
Open the menu	▶ Briefly press the **MENU** button ⑳	Only during an active alarm. For sound adjustments in the menu, see the next section.

Functions in the menu

1st Menu level	2nd Menu level	Function
BASS	BASS -7 … +7	Adjust the bass level
TREBLE	TREBLE -7 … +7	Adjust the treble level
BALANCE	BALANCE -7 … +7	Adjust the right/left volume distribution

Adjusting the volume level for various audio/video sources

The default volume level of different audio/
video sources may vary because, for instance,
external sources are input with a low level. To
equalise the default volume levels of the
various audio/video sources, you can adjust
the level of each source separately in the main
menu.

Note:
In order to prevent unintentional
changes being made in the "*MORE"
menu, "CODE" is displayed as soon
as you have confirmed the "*MORE"
menu item. When "CODE" is
displayed, press both of the control
knobs (12 and 15) simultaneously
to open the "*MORE" menu.

1st Menu level	2nd Menu level	3rd Menu level	Function
:			
*MORE	:		
	*GAIN	RADIO	Adjust the radio level
		CD	Adjust the CD level (CCD drive)
		USB	Adjust the USB level
		AUX	Adjust the AUX level
		DVD	Adjust the DVD level (CCS drive)
		VIDEO1	Adjust the level of video source 1
		VIDEO2	Adjust the level of video source 2

Once you have selected a menu item on the 3rd
menu level:

▶ Press the control knob 12 to confirm the
menu item.

The current level value is displayed.

▶ Adjust the desired level using the control
knob 12.

▶ Press the **ESC** button 21 to return to the
previous menu level.

Inserting/removing a CD/DVD

⚠ **Danger of irreparable damage to the CD/DVD drives!**
Mini CDs and contoured CDs (shape CDs) are not suitable for playback. We accept no liability for any damage to the CD/DVD drives that may be caused by unsuitable CDs.

ⓘ **Notes**
▶ The CCD is equipped with a CD drive that can play audio CDs and MP3/WMA CDs but not DVDs. The CCS is equipped with a DVD drive that can play DVDs, audio CDs, and MP3/WMA CDs.
▶ CDs/DVDs will be drawn in by the drive even when the device is switched off as long as the vehicle ignition is switched on.

If there is no CD/DVD inserted in the drive,
▶ gently push the CD/DVD with its printed side uppermost into the CD slot ② or CD/DVD slot ⑬ until you feel some resistance.
The drive draws in the CD/DVD automatically.
To remove the CD/DVD from the device,
▶ press the ⏏ button ④ (for a CD in the drive of the CCD) or the ⏏ button ⑯ (for a CD/DVD in the drive of the CCS).

Radio mode

Available wavebands and memory banks

Region	FMTS	FM1	FM2	AM	MW	LW	SW	WB*
Europe	●	●	●	–	●	●	●	–
NAFTA	●	●	●	●	–	–	–	●
LAM*	●	●	●	●	–	–	–	–
Asia	●	●	●	●	–	–	–	–

* LAM = South America, WB = Weatherband

Functions on the CCS

> **ℹ Note:**
> To control radio mode in the cabin,
> you must first switch the focus of
> control over to the cabin.

Function	Action	Note
Start a search downwards	▶ Briefly press the **<<** button ⑭	–
Start a search upwards	▶ Briefly press the **>>** button ⑭	–
Switch to the next memory bank	▶ Briefly press the **∨** button ⑭	–
Switch to the next memory location	▶ Briefly press the **∧** button ⑭	Only in the current memory bank.
Adjust the frequency (downwards)	▶ Hold down the **<<** button ⑭	–
Adjust the frequency (upwards)	▶ Hold down the **>>** button ⑭	–
Travelstore (store stations automatically)	▶ Long press the **∨** button ⑭	The discovered stations are stored in the FMTS memory bank.
Store the current station	▶ Long press the **∧** button ⑭	If necessary, first select the desired storage location by pressing the **∧** button ⑭.

Functions on the CCD

> **Note:**
> You can use the following functions without radio mode being selected for the cockpit or cabin. Please note that passenger may be listening to the current radio programme on a connected multichannel audio system (MAS).

en

Function	Action	Note
Start a search downwards	▶ Briefly press the **<<** button ⑩	Only applicable to a device without Bluetooth® functionality.
Start a search upwards	▶ Briefly press the **>>** button ⑥	
Access a stored station	▶ Briefly press the **1** - **6** button ⑧	Only in the current memory bank.
Store the current station	▶ Long press the **1** - **6** button ⑧	
Select the FM or WB frequency range or switch between the FMTS, FM1, FM2 and WB memory banks	▶ Briefly press the **FM** button ⑪	WB frequency range only for the NAFTA region.
Select the MW, LW, or SW frequency range	▶ Press the **AM** button ⑤ (if necessary, several times)	Only for the Europe region.
Select the AM frequency range	▶ Press the **AM** button ⑤ (if necessary, several times)	Not for the Europe region.
Switch traffic announcement priority on/off	▶ Briefly press the **TA** button ⑦	–
Cancel a playing traffic announcement	▶ Briefly press the **TA** button ⑦	–
Travelstore (store stations automatically)	▶ Long press the **TA** button ⑦	The discovered stations are stored in the FMTS memory bank.

Functions in the menu

1st Menu level	2nd Menu level	3rd Menu level	Function
*SEARCH	<SEARCH		Start a search downwards
	SEARCH>		Start a search upwards
*TUNE	MHz 87.50		Select a frequency **Note:** The radio immediately tunes into and plays the selected frequency.
	:		
	MHz 108.00		
*STORE	MHz 88.80		Store a station **Note:** The currently stored frequency or station name is displayed for each of the six memory locations.
	:		
	MHz 95.70		
*BAND	FMTS	MHz 88.80	2nd Menu level: select the memory bank **Note:** The selected memory bank stays activated after you leave the menu.
		:	
		MHz 95.70	
	:		3rd Menu level: select the memory location Only the frequency bands of the respective region are available.
	SW	...	
TRAVEL−S			Start the Travelstore function
TA ON/OFF			Switch traffic announcement priority on/off
AF ON/OFF			Activate/deactivate automatic switching to alternative frequencies
REG ON/OFF			Switch the regional function on/off
AUTO/MANUAL			Switch between automatic seek tuning and manual station tuning

Functions in the main menu

> ℹ️ **Note:**
> You will find further radio functions in the "*MORE" menu item of the main menu. In order to prevent unintentional changes being made in the "*MORE" menu, "CODE" is displayed

as soon as you have confirmed the "*MORE" menu item. When "CODE" is displayed, press both of the control knobs (⑫ and ⑮) simultaneously to open the "*MORE" menu.

1ˢᵗ Menu level	2ⁿᵈ Menu level	3ʳᵈ Menu level	Function
:			
*MORE	*RADIO	TA ON/OFF	Switch traffic announcement priority on/off
		AF ON/OFF	Activate/deactivate automatic switching to alternative frequencies
		REG ON/OFF	Switch the regional function on/off
		HICUT 0/1/2	Switch off ("0") sound correction when radio reception is poor, or adjust ("1", "2") the amount of sound correction
		EUROPE/...	Select the reception region (EUROPE, NAFTA, LAM, ASIA)
		SENS DX/LO	Set the sensitivity of station seek tuning (DX: high; LO: low)
		TMC ON/OFF	Activate/deactivate the forwarding of TMC traffic reports to a connected navigation system

en

CD and USB mode

Functions on the CCS

> **ⓘ** **Note**
> To control CD mode and USB mode in
> the cabin, you must first switch the
> focus of control over to the cabin.

Function	Action	Note
Switch to the previous track	▶ Briefly press the **<<** button ⑭	–
Switch to the next track	▶ Briefly press the **>>** button ⑭	–
Pause playback	▶ Briefly press the **∨** button ⑭	Not in USB mode or whilst playing an MP3 CD in the CCD.
Resume playback	▶ Briefly press the **∧** button ⑭	
Switch to the previous folder	▶ Briefly press the **∨** button ⑭	Only in USB mode or whilst playing an MP3 CD in the CCD.
Switch to the next folder	▶ Briefly press the **∧** button ⑭	
Fast-reverse seek mode	▶ Hold down the **<<** button ⑭	–
Fast-forward seek mode	▶ Hold down the **>>** button ⑭	–

Functions in the CD/MP3/WMA menu

1st Menu level	2nd Menu level	3rd Menu level	Function
*SELECT	+DIR01	TRACK01	Select folders/tracks
		:	**Notes:**
		TRACKnn	▶ The folder and track names are displayed if available.
	+DIR02	...	
	:		▶ In the case of audio CDs, the available tracks are already displayed on the 2nd menu level.
	+DIRnn	...	
PAUSE			Pause playback
PLAY			Resume playback
STOP			Stop playback
			Note:
			Only whilst playing a CD in the CCS.
RND ON/OFF			Switch random playback on/off
RPT ON/OFF			Switch track repeat on/off
*AUD			Open the sound settings menu (see the chapter entitled "Adjusting the volume and sound")

en

Video and DVD mode

Functions on the CCS

> **Note**
>
> To control VIDEO mode and DVD mode in the cabin, you must first switch the focus of control over to the cabin.

Function	Action	Note
Switch to the previous DVD chapter	▶ Briefly press the **<<** button (14)	Only in DVD mode.
Switch to the next DVD chapter	▶ Briefly press the **>>** button (14)	Only in DVD mode.
Pause playback	▶ Briefly press the **∨** button (14)	–
Resume playback	▶ Briefly press the **∧** button (14)	–
Confirm an item in the menu of the DVD	▶ Briefly press the **ENTER** button (22)	Only in DVD mode.
Fast-reverse seek mode	▶ Hold down the **<<** button (14)	–
Fast-forward seek mode	▶ Hold down the **>>** button (14)	–

Functions in the video/DVD menu

1st Menu level	Function
CHAPTER–	Switch to the previous DVD chapter **Note:** Only whilst playing a DVD in the CCS.
CHAPTER+	Switch to the next DVD chapter **Note:** Only whilst playing a DVD in the CCS.
PAUSE	Pause playback
PLAY	Resume playback
STOP	Stop playback
ENTER	Confirm an item in the menu of the DVD **Note:** Only in DVD mode.
RND ON/OFF	Switch random playback on/off
RPT ON/OFF	Switch track repeat on/off
*AUD	Open the sound settings menu (see the chapter entitled "Adjusting the volume and sound")

DVD settings in the main menu

▶ Select and confirm the "*DVD−SET" menu
   item that is located on the first menu level
   of the main menu.

▶ On the 2nd and subsequent menu levels,
   select the desired function:

2nd Menu level	3rd Menu level	4th Menu level	Function
*LANGUAGE	*DVD-MEN	GERMAN	Select the language for the DVD menu (DVD-MEN), DVD subtitles (DVD-SUB), and DVD audio (DVD-AUD)
		:	
		DUTCH	**Note:** A DVD may not support all of the languages that are available in the menu.
	*DVD-SUB	...	
	*DVD-AUD	...	
NORM−PS/ NORM−LB/ WIDE			Select the screen format
ANG ON/OFF			Activate/deactivate the indicator for various camera angles
*PARENTA	KID−SAVE		Select the level of parental controls
	:		
	ADULT		
PAL/NTSC			Select the TV standard
PBC ON/OFF			Switch playback control on/off
RESET			Reset the DVD settings

TV mode

Functions on the CCS

> **Note**
> To control the TV mode in the cabin,
> you must first switch the focus of
> control over to the cabin.

Function	Action	Note
Start a channel search downwards	▶ Briefly press the **<<** button ⑭	–
Start a channel search upwards	▶ Briefly press the **>>** button ⑭	–
Switch to the previous channel	▶ Briefly press the **V** button ⑭	–
Switch to the next channel	▶ Briefly press the **∧** button ⑭	–

Functions in the TV menu

1st Menu level	Function
<SEARCH	Start a channel search downwards
SEARCH>	Start a channel search upwards
PROG–	Switch to the previous channel
PROG+	Switch to the next channel
*AUD	Open the sound settings menu (see the chapter entitled "Adjusting the volume and sound")

Display settings

Function on the CCD

Function	Action	Note
Display the content of the display (e.g. track name) once as scrolling text	▶ Briefly press the **SCRL** button ⑨	–

Settings in the main menu

> **ℹ️ Note:**
> In order to prevent unintentional changes being made in the "*MORE" menu, "CODE" is displayed as soon as you have confirmed the "*MORE" menu item. When "CODE" is displayed, press both of the control knobs ((12) and (15)) simultaneously to open the "*MORE" menu.

1ˢᵗ Menu level	2ⁿᵈ Menu level	3ʳᵈ Menu level	Function
:			
*MORE	:		
	*HMI	EXTENDED/ SHORT	Select the extended or short menu (in the extended menu, source selection is possible within the "*AUD" menu).
		NAME ON/OFF	Activate/deactivate the displaying of track names in CD/ USB mode.
		SCRL ON/OFF	Activate/deactivate the displaying of display content as scrolling text

Monitor settings

You can manually activate/deactivate the monitors in the cabin or synchronise them with a video source being fed into the cabin. If the monitors are synchronised with a video source, they will be activated/deactivated together with the video source.

Functions on the CCS

Function	Action	Note
Activate/deactivate monitors	▶ Briefly press the **MON** button (19)	–
Synchronise monitors	▶ Long press the **MON** button (19)	–

Settings in the main menu

1ˢᵗ Menu level	Function
:	
MON ON/OFF/ SYNC	Activate/deactivate/synchronise monitors in the cabin

Camera functions on the CCS

> **Note:**
> The following function is only available if a camera is connected to an appropriately configured driver's monitor.

Function	Action	Note
Display the camera image on the driver's monitor	▶ Briefly press the **CAM** button ㉔	If more than one camera is connected, you can switch through the images from the various cameras by repeatedly pressing the **CAM** button ㉔. When the last camera image is displayed, you can return to the display of the current audio/ video source by pressing the **CAM** button ㉔.

Navigation functions on the CCS

> **Notes:**
> ▶ The following functions are only available when a navigation system is connected.
> ▶ As long as the navigation system is set as the source, the focus of control will be set to the navigation system and the display will indicate "NAVI".

You can control the navigation system using the remote buttons ⑭ and the **ENTER** button ㉒. If, during this time, you switch the focus of control over to the cockpit or cabin, the focus of control will return automatically to the navigation system approximately 10 seconds after your last button press.

Function	Action	Note
Select the navigation system as the source in the cockpit	▶ Briefly press the **NAVI** button ㉓	The navigation system's map view will be displayed on the driver's monitor. The current audio source will continue to be played.
Deselect the navigation system as the source in the cockpit	▶ Briefly press the **NAVI** button ㉓ again	The focus of control will switch back by default to the cockpit.
Function corresponding to the function of the arrow buttons and OK button on the navigation system's remote control	▶ Briefly press the **<<** button ⑭	Only when the navigation system is selected as the source.
	▶ Briefly press the **>>** button ⑭	
	▶ Briefly press the **V** button ⑭	
	▶ Briefly press the **∧** button ⑭	
	▶ Briefly press the **ENTER** button ㉒	
Display the navigation system's map view on the monitors in the cabin	▶ Briefly press the **MAP** button ⑱	–

Bluetooth telephone functions

ℹ Note:
Please bear in mind that the Bluetooth® connection can suffer interference if, for instance, there are any metal objects located between the radio and the mobile phone or if you are carrying the mobile phone in your back pocket.

Functions on the CCD

Function	Action	Note
Answer a call	▶ Briefly press the ☎ button ⑩	–
Reject or end a call	▶ Briefly press the ☎ button ⑥	–
Adjust the volume when the ring signal sounds and during a call	▶ Turn the control knob ⑫	–
Open the phone book	▶ Long press the ☎ button ⑩	It is not possible to open the phone book whilst entries are being transferred from the mobile phone to the system (e.g. after pairing the mobile phone). The Bluetooth® symbol flashes during a transfer.
Close the phone book	▶ Briefly press the ☎ button ⑥	–
Transfer an active call to the mobile phone	▶ Long press the AM button	–
Transfer an active call back to the system	▶ Long press the FM button	–

Bluetooth® settings in the main menu

1ˢᵗ Menu level	2ⁿᵈ Menu level	Function
*BTOOTH	BT ON/OFF	Switch the Bluetooth® function on/off
	BT-PAIR	Make the system visible for mobile phones so you can initiate (on the mobile phone) a connection to the system
	BT-JOIN	Display the name of the currently connected mobile phone

Functions in the phone book

> **Note:**
> To open the phone book, see the
> section entitled "Functions on the
> CCD" in this chapter.

1st Menu level	2nd Menu level	Function
*PH-BOOK	Entry 01	Make a call
	:	Select a contact or phone number from the phone
	Entry nn	book that you downloaded from the mobile phone ("*PH-BOOK") or from the list of missed calls
*M-CALLS	…	("*M-CALLS"), received calls ("*R-CALLS"), or dialled
*R-CALLS	…	numbers ("*DIAL-NO").
*DIAL-NO	…	**Notes:**
		▶ The name or number is displayed for each entry.
		▶ Only those entries that were stored on the mobile phone's SIM card before the phone book was transferred will be available.
		▶ Once an entry has been selected, you can initiate the call by pressing the 📞 button ⑩.

MAS settings

MAS settings in the main menu

1st Menu level	Function
:	
MAS ON/OFF	Switch the multichannel audio system on/off
	Note:
	Only available if a multichannel audio system is connected. Otherwise, "NO MAS" is displayed.

Further system settings

▶ Press the **MENU** button ⑳ to open the main menu.

▶ Turn the control knob ⑫ to select the "*MORE" menu item on the first menu level.

▶ Press the control knob ⑫ to open the "*MORE" menu.

| **i** | **Note:** |

Note:
In order to prevent unintentional changes being made in the "*MORE" menu, "CODE" is displayed as soon as you have confirmed the "*MORE" menu item. Press both of the control knobs (⑫ and ⑮) simultaneously to open the "*MORE" menu.

You will find the following functions in the "*MORE" menu:

1st Menu level	2nd Menu level	3rd Menu level	Function
:			
*SYSTEM	PRIV OFF/1/2		Deactivate private mode (the playback of certain sources only over the headrest loudspeakers) or select the level for private mode (1: phone call; 2: phone call as well as traffic announcement and navigation announcement) **Note:** The volume that you set in private mode for phone calls and announcements will continue to apply after private mode has been deactivated.
	RED/GREEN		Select the colour of the button illumination
	*VIDEO1	OFF	Set the type of device connected to the VIDEO1 and/or VIDEO2 connection.
		DVC1	
		DVP1	
		TV1	
	*VIDEO2	...	
	AUX ON/OFF		Switch the AUX input on/off

Remote control

Button	Function
LIGHT	Switch the button illumination on/off
MONITOR	Activate/deactivate monitors in the cabin
▶ ❚❚	Start/pause playback
■	Stop playback
◄◄ / ▶▶❙	Skip a track/chapter
◄◄ / ▶▶	Fast search
MENU	Open the menu of a DVD Long press: Changer menu (e.g. for changing disc)
ESC	Backwards in the menu of a DVD
OK	Confirm an item in the menu of the DVD
∨/∧/⟨/⟩	Corresponds to the remote buttons ⑭ DVD mode: Select an item in the menu of the DVD
VOLUME ±	Adjust the volume
RADIO	
VIDEO	
CD	Select an audio/video source
USB	
AUX	
MAP	Display the navigation system's map view on the monitors in the cabin

> ℹ **Note:**
> You can use the remote control to control the playback of audio/video sources in the cabin.

Technical data

CCS
Operating voltage: + 12 V via CPA

DVD drive
Regional code:	See sticker on the device
Supported formats:	DVD±R (not DL), DVD±RW (not DL), DVD-MP3/DVD-WMA, VCD, SVCD, JPEG, Audio CD (CDDA), CD-R, CD-RW, MP3-CD/WMA-CD
Shock Memory	DVD: 2 - 3 sec.
	VCD/SVCD: 5 sec.
	CDDA: 22 sec.
	MP3/WMA: 12 sec.
Outputs:	Analogue video, analogue audio
Supported video standards:	
	PAL, NTSC

Frequency response
CD/DVD audio: 20 Hz - 20,000 Hz

Inputs
3 x MIC:	1 mV, low impedance, dynamic
Control inputs/outputs:	CLX (Coach LCD Extension), NAV, MAS

Weight: approx. 1.0 kg

Standards: e1, FCC, CE, WEEE, ROHS

CCD
Operating voltage: + 12 V via CPA

CD drive
Supported MP3/CD formats:

Audio CD (CDDA), CD-R, CD-RW, MP3-CD/WMA-CD

Frequency ranges
EUROPE
FM (UKW):	87.5 - 108 MHz
MW:	531 - 1602 kHz
LW:	153 - 279 kHz
SW:	3900 - 4000 kHz
	5850 - 6300 kHz
	7095 - 7500 kHz
	9325 - 9950 kHz

NAFTA
FM:	87.7 - 107.9 MHz
AM:	530 - 1710 kHz
WB	162.4 - 162.55 MHz

LAM
FM:	87.7 - 107.9 MHz
AM:	530 - 1710 kHz

ASIA
FM:	87.5 - 108 MHz
AM:	531 - 1701 kHz

Frequency response
Tuner:	30 Hz - 15,000 Hz
MP3/CD:	20 Hz - 20,000 Hz

Weight: approx. 1.3 kg

Standards: e1, FCC, CE, WEEE, ROHS

Coach Power Amplifier
CPA 811 / CPA 2011
Operating voltage: + 24 V

Current consumption:
Standby: < 500 µA incl. CCD
                      and CCS
Max. CPA 811:   Approx. 10 A incl.
                      CCD and CCS
Max. CPA 2011:   Approx. 15 A incl.
                      CCD and CCS*

* I max. without peripheral devices

Rated power output
Cockpit: 2 x 20 W / = 4 ohms
Cabin (CPA 811):   2 x 20 W / = 4 ohms
Cabin (CPA 2011):   4 x 40 W / = 4 ohms

Frequency response:
                      40 Hz - 25,000 Hz

Inputs, EXTERNAL (only cockpit)
CPA 811:   WARNER 2 V,
                      NAVIGATION 2 V
CPA 2011:   2 V
All EXTERNALswitching inputs :
                      Active low

Voltage outputs:
                      24 V / 0.4 A max.
MIC: 24 V / 1.3 A max.
VIDEO 1, 2:   24 V / 0.4 A max.

Further inputs/outputs:
                      Line out, regulated

Weight:
CPA 811:   Approx. 1.8 kg
CPA 2011:   Approx. 1.9 kg

Subject to changes.

8622406457

CE/e1