



Radio | SD | MP3 | WMA

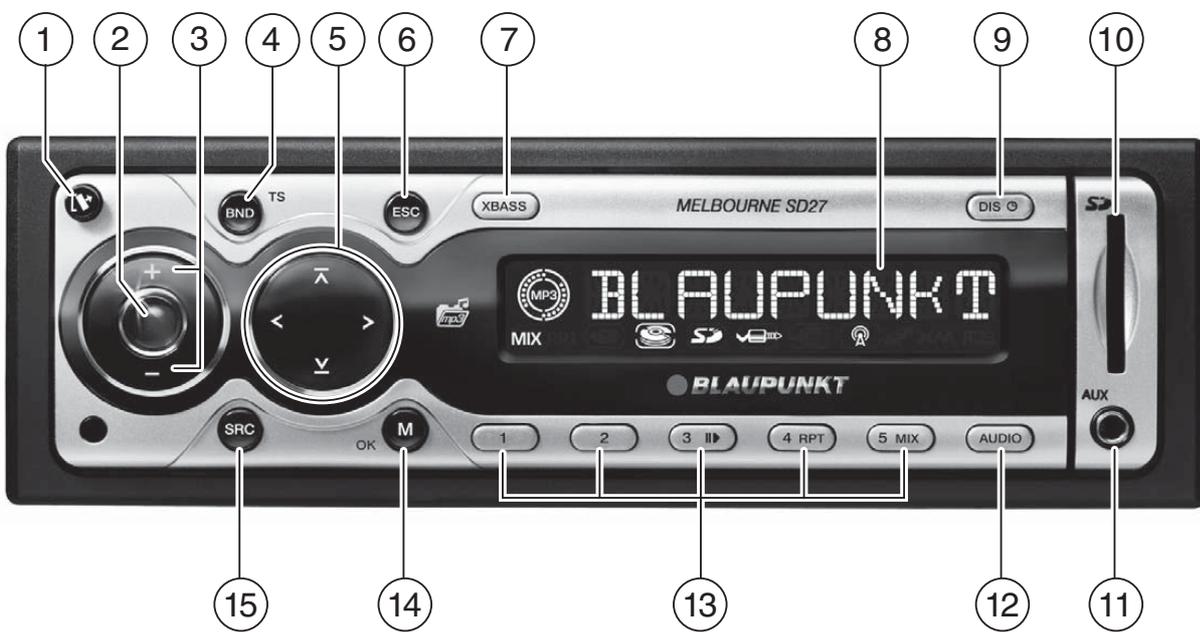
Melbourne SD27

7 647 533 310



Operating and installation instructions
Notice d'utilisation et de montage
Instrucciones de manejo e instalación
Instruções de serviço e de montagem
操作及安裝手冊
사용 및 장착 설명서

 **BLAUPUNKT**



- ① **RECALL** button
to remove the control panel (release panel)
- ② Button to switch the device on/off and operate the volume mute feature.
- ③ Volume control
- ④ **BND/TS** button
Short press: Selects the FM memory banks and the MW and LW wavebands.
Long press: Starts the Travelstore function.
- ⑤ Arrow buttons
- ⑥ **ESC** button
- ⑦ **XBASS** button
Switching X-BASS on/off and adjusting it.
- ⑧ LCD display
- ⑨ **DIS**  button
- ⑩ Slot for SD/MMC cards
- ⑪ Front AUX-IN IN socket for connecting external audio sources, e.g. portable CD players.
- ⑫ **AUDIO** button
Sets bass, treble, balance and fader.
Selects an equalizer presetting.
- ⑬ Keys **1 - 5**
- ⑭ **M/OK** button
Short press: Calls up the menu for settings. Confirming menu settings with **OK**.
Long press: Starts the Scan function.
- ⑮ **SRC** button
Switches sources between radio, SD/MP3, CD changer (if connected) or AUX-IN, AUX-IN IN (if connected).

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About these instructions

These instructions contain important information to easily and safely install and operate the device.

- Read these instructions carefully and completely before using the device.
- Keep the instructions at a location so that they are always accessible to all users.
- Always pass on the device to third parties together with these instructions.

In addition, observe the instructions of the devices used in conjunction with this device.

Symbols used

These instructions employ the following symbols:



DANGER!

Warns about injuries



DANGER!

Warns about accidents



DANGER!

Warns about hearing loss

CE The CE mark confirms the compliance with EU directives.

➔ Identifies a sequencing step

- Identifies a listing

Use as directed

This device is intended for installation and operation in a vehicle with 12 V vehicle system voltage and must be installed in a DIN slot. Observe the 'performance limits in the technical data. Repairs and installation, if necessary, should be performed by a specialist.

Declaration of conformity

The Blaupunkt GmbH declares that the device Melbourne SD27 complies with the basic requirements and the other relevant regulations of the directive 89/336/EWG.

For your safety

The device was manufactured according to the state of the art and established safety guidelines. Even so, dangers may occur if you do not observe the safety notes in these instructions.

If you are installing device yourself

You may only install the device yourself if you are experienced in installing car sound systems and are very familiar with the electrical system of the vehicle. For this purpose, observe the installation instructions at the end of these instructions.

Observe the following!



DANGER!

Increased risk of injury from connector

In case of an accident, the protruding connector in the AUX-IN socket can cause injuries. The use of straight connectors or adapters may pose an increased risk of injury.

- It is, therefore, recommended to use angled jack plugs, e.g. the Blaupunkt accessories cable (7 607 001 535).

In operation

- Operate the device only if traffic situation permits it! Stop at a suitable location to perform extensive settings.
- Remove or attach the control panel only while the vehicle is standing an.
- To protect your hearing, always listen at a moderate volume.

During mute phases (e.g. during Travel-store, or while the CD changer is changing the CD), changing the volume is not detectable until after this mute phase. Do not increase the volume during this mute phase

- Always listen at a moderate volume so that you can hear acoustic warning signals (e.g. police)!

After operation

- The device is worthless to a thief without the control panel. Always remove the control panel whenever you leave the vehicle.
- Transport the control panel so that it is protected against impacts and the contacts cannot become dirty.

Cleaning notes

Solvents, cleaning and scouring agents as well as dashboard spray and plastics care product may contain ingredients that will damage the surface of the device. Use only a dry or slightly moistened cloth for cleaning the device.

Disposal note



(EU countries only)

Do not dispose of your old unit in the household trash!

Use the return and collection systems available to dispose of the old device.

Scope of delivery

The scope of delivery includes:

- 1 Car sound system
- 1 Handheld remote control RC 12H
- 1 Support frame
- 2 Disassembly bar
- 3 Connecting cables
- 1 Operating instructions

Optional equipment (not part of the scope of delivery)

Use only accessories approved by Blaupunkt.

Steering wheel remote control

A steering wheel remote control allows for safely and conveniently operating the basic functions of your car sound system from the steering wheel.

You cannot switch the device on/off using the remote control!

You can find out from your Blaupunkt dealer or on the Internet at www.blaupunkt.com which remote controls can be used with your car sound system.

Bluetooth interface

For Bluetooth applications, such as wireless hands-free calling, you can connect a Bluetooth interface.

Amplifier

You can use all Blaupunkt and Velocity amplifiers.

CD changers

You can connect the following Blaupunkt CD changers:
CDC A 03, CDC A 08 and IDC A 09.

Warranty

We provide a manufacturer's warranty for products bought within the European Union. Devices purchased outside the European Union are subject to the warranty terms published by our respective regional agency.

The warranty terms can be called up under www.blaupunkt.com or requested directly from:

Blaupunkt GmbH
Hotline
Robert-Bosch-Str. 200
D-31139 Hildesheim

Service

In some countries, Blaupunkt offers a repair and pick-up service.

Information about the availability of this service in your country can be found at www.blaupunkt.com.

If you want to take advantage of this service, you may request a pick-up service for your device via the Internet.

Handheld remote control

Your car sound system includes an RC 12H handheld remote control. Most of the functions can be operated with the handheld remote control.

Note that a line of sight must exist between the remote control and the infrared remote control receiver. The receiver is located in the detachable control panel.

You cannot switch the device on/off using the remote control!

Detachable control panel

Theft protection

The device is equipped with a detachable control panel (flip-release panel) to protect your equipment against theft. The device is worthless to a thief without this control panel.

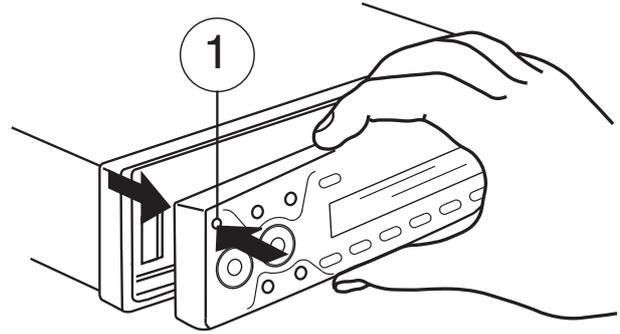
Protect your device against theft by taking the control panel with you whenever you leave your vehicle. Do not leave the control panel inside your vehicle - not even in a hiding place.

The control panel has been designed to be easy to use.

Notes:

- Never drop the control panel.
- Never expose the control panel to direct sunlight or other heat sources.
- Avoid direct skin contact with the control panel's electrical contacts. If necessary, clean the contacts with a lint-free cloth moistened with cleaning alcohol.

Detaching the control panel



- ➔ Press the  button (1).

The locking mechanism of the control panel is unlocked. The device switches off.

- ➔ Pull the control panel straight out of the device and to the left.

All the current settings are saved.

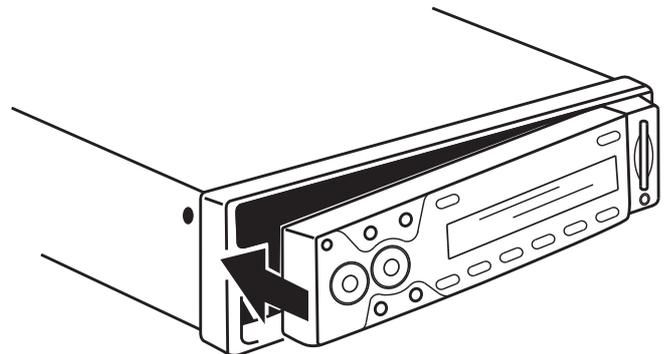
Attaching the control panel

- ➔ Push the control panel into the guides of the device from the left to the right.

Note:

When attaching the control panel, make sure you do not push on the display.

- ➔ Carefully push on the left side of the control panel until it clicks into place.



Switching on/off

There are various ways of switching the device on/off:

Switching on/off using button ②

➡ To switch on the device, press button ②.

➡ To switch off the device, press and hold down button ② for longer than two seconds.

The device switches off.

Note:

To protect the vehicle battery, the device will switch off automatically after one hour if the ignition is off.

Switching on/off using the vehicle ignition

The device will switch on/off simultaneously with the ignition if the device is correctly connected to the vehicle's ignition and you did not switch the device off by pressing button ②.

Switching off with detachable control panel

➡ Detach the control panel.

The device switches off.

Timeout function

The device features a time-out function (time window). If you press the **M/OK** ⑭ button and select a menu item, the device switches back after approx. 8 seconds after the last button activation. The settings performed are saved.

Adjusting the volume

You can adjust the volume in increments from 0 (off) to 66 (maximum).

To increase the volume,

➡ press the + button ③.

To decrease the volume,

➡ press the - button ③.

Setting the power-on volume

You can set the power-on volume.

➡ Press the **M/OK** button ⑭.

The display shows "MENU".

➡ Press the \sphericalangle or \sphericalangle button ⑤ repeatedly until "ON VOLUME" appears on the display.

➡ Press the < button ⑤.

➡ Adjust the power-on volume using the \sphericalangle or \sphericalangle buttons ⑤.

If you enable "LAST VOL", the volume which was set the last time you switched off the device is re-enabled.

➡ Press the **M/OK** button ⑭.

The display shows "MENU".

➡ Press the \sphericalangle or \sphericalangle button ⑤ repeatedly until "ON VOLUME" appears on the display.

➡ Press the > button ⑤.

Note:

To protect your hearing, the power-on volume is limited to the value "38". If the volume before switching off was higher and the "LAST VOL" setting was selected, the device switches on again with the value "38".

When you have finished making your changes,

➔ press the **M/OK** button (14).

The display shows "MENU".

To exit the menu,

➔ press the **ESC** button (6) or wait approx. 8 seconds.

Quickly reducing the volume (Mute)

You can quickly reduce the volume to a preset level (Mute).

➔ **Briefly** press button (2).

"MUTE" appears on the display.

Cancelling mute

To return to your previously set volume level,

➔ **briefly** press button (2) again.

Adjusting the mute level

You can adjust the mute level.

➔ Press the **M/OK** button (14).

The display shows "MENU".

➔ Press the ∇ or \blacktriangleright (14) button repeatedly until "MUTE LVL" appears on the display.

➔ Press the **M/OK** button (14) to display the submenu.

"MUTE" and the currently set value are displayed.

➔ Adjust the mute level using the button ∇ or \blacktriangleright (5).

When you have finished making your changes,

➔ press the **M/OK** button (14).

To exit the menu,

➔ press the **ESC** button (6) or wait approx. 8 seconds.

Switching the confirmation beep on/off

The system will output a confirmation beep for some functions if you keep a button pressed down for longer than two seconds, for instance, when assigning a radio station to a station preset button. You can switch the beep on or off.

➔ Press the **M/OK** button (14).

The display shows "MENU".

➔ Press the ∇ or \blacktriangleright button (5) repeatedly until "BEEP ON" or "BEEP OFF" appears on the display.

➔ Switch the beep on or off using the $<$ $>$ buttons (5). "OFF" means beep off, "ON" means beep on.

When you have finished making your changes,

➔ press the **M/OK** button (14).

To exit the menu,

➔ press the **ESC** button (6) or wait approx. 8 seconds.

Muting during telephone mode

If your car sound system is connected with a cell phone or navigation system, answering the phone or a voice output of the navigation automatically mutes the car sound system. The call or the voice output is played back via the loudspeakers of the car sound system. In order for this feature to work, the mobile telephone or navigation system must be connected to the car sound system as described in the installation instructions.

You can find out from your Blaupunkt dealer which navigation systems can be used with your car sound system.

If a call is answered or a navigation announcement occurs, the display shows "TELEPHONE".

Telephone Audio/Navigation Audio

You can set the volume level at which the telephone calls or navigation announcements are mixed in.

➔ Press the **M/OK** button (14).

The display shows "MENU".

➔ Press the \sphericalangle or \sphericalangle button (5) repeatedly until "TEL VOL" appears on the display.

➔ Press the **M/OK** button (14) to display the submenu.

"TEL VOL" and the currently set value are displayed.

➔ Set the desired volume with the \sphericalangle or \sphericalangle button (5).

When you have finished making your changes,

➔ press the **M/OK** button (14).

To exit the menu,

➔ press the **ESC** button (6) or wait approx. 8 seconds.

Notes:

- If the volume listened to is higher than the set "TEL VOL" value, telephone calls or navigation announcements are played back at the volume listened to.

- Using the volume control (3), you can adjust the volume for telephone calls and navigation announcements directly during the playback.
- You can adjust the volume distribution for telephone calls and navigation announcements during the playback. For further information, please read the "Sound" chapter.

Radio mode

Adjusting the tuner

To ensure proper functioning of the tuner, the device must be set for the region in which it is being operated. You can select among Europe (EUROPE), America (USA), South America (S-AMERICA), and Thailand (THAI). The tuner is factory-set to the region in which it was sold. If you experience problems with your radio reception, please check this setting.

The radio functions described in these operating instructions refer to the tuner setting America (USA).

➔ Switch off the device by pressing button (2).

➔ Hold the buttons **3** (13) and **AUDIO** (12) pressed at the same time and switch on the device again with button (2).

➔ The current setting is displayed.

➔ Select your tuner region with the \sphericalangle or \sphericalangle button (5).

To save the setting and to exit the menu,

➔ Press the **M•OK** button (14).

Switching to radio mode

If you are in SD, CD changer or AUX-IN mode,

➔ press the **BND/TS** button (4)

or

➔ press the **SRC** button (15) repeatedly until the display shows "TUNER".

Selecting the waveband/memory bank

This device can be used to receive stations in the FM and AM frequency bands. Three memory banks (FM1, FM2 and FMT) are available for the FM waveband and two memory banks (AM and AMT) for the AM waveband.

Five stations can be stored in each memory bank.

To switch between the memory banks FM1, FM2 and FMT or AM and AMT,

➔ briefly press the **BND/TS** button (4).

Tuning into a station

There are various ways of tuning into a station.

Automatic station seek tuning

➔ Press the \sphericalangle or \sphericalright button (5).

The radio tunes into the next receivable station.

Tuning into stations manually

You can also tune into stations manually.

➔ Press the \sphericalleft or \sphericalright button (5).

Setting the sensitivity of station seek tuning

You can choose whether the radio should only tune into stations providing good reception or whether it can also tune into those with a weak reception.

➔ Press the **M•OK** button (14).

The display shows "MENU".

➔ Press the \sphericalleft or \sphericalright button (5) repeatedly until "SENS" and the currently set value appears on the display.

"SENS HI6" means that the tuner is set to the highest sensitivity setting. "SENS LO1" means it is set to the lowest sensitivity setting.

➔ Press the **M•OK** button (14) to change the set value.

➔ Set the sensitivity level that you want using the \sphericalleft \sphericalright buttons (5).

When you have finished making your changes,

➔ press the **M•OK** button (14).

To exit the menu,

➔ press the **ESC** button (6) or wait approx. 8 seconds.

Note:

You can adjust different sensitivities for FM and AM.

Storing stations

Storing stations manually

- Select the desired memory bank FM1, FM2, FMT, AM or AMT.
- Tune into the desired station.
- Press and hold down one of the station buttons **1 - 5** (13) for longer than two seconds to assign the station to that button.

Storing stations automatically (Travelstore)

You can automatically store the five strongest stations in the region. The stations are stored in the FMT or AMT memory bank.

Note:

Any stations that were previously stored in this memory bank are deleted in the process.

- Select the desired FM or AM waveband.
- Press and hold down the **BND/TS** button (4) for longer than two seconds.

The storing procedure begins. The display shows "FM TSTORE" or "AM TSTORE". After the process has completed, the radio will play the station that is stored in memory location 1 of the FMT or AMT memory bank.

Listening to stored stations

- Select the memory bank or waveband.
- Press the station button **1 - 5** (13) of the desired station.

Scanning receivable stations (SCAN)

You can use the scan function to play all the receivable stations briefly. You can set the scanning time from 5 to 30 seconds in the menu (in increments of 5 seconds).

Starting SCAN

- Press and hold down the **M/OK** button (14) for longer than two seconds.

Scanning begins. "SCAN" and frequency are intermittently shown on the display.

Cancelling the SCAN and continuing to listen to a station

- Press the **M/OK** button (14).

Scanning stops and the radio continues playing the station that it tuned into last.

Setting the scanning time

- Press the **M/OK** button (14).

The display shows "MENU".

- Press the \sphericalangle or \sphericalangle button (5) repeatedly until "SCAN TIME" appears on the display.

- Press the **M/OK** button (14) to display the submenu.

"SCAN" and the currently set value are displayed.

- Set the desired scan time using the \sphericalangle or \sphericalangle button (5).

When you have finished making your changes,

- press the **M/OK** button (14).

To exit the menu,

➔ press the **ESC** button (6) or wait approx. 8 seconds.

Note:

The defined scanning time is also applied by the system to scanning carried out in SD and CD changer mode.

Configuring the display

In radio mode, you have the option of displaying the waveband with memory bank and the time or frequency of the current station.

To switch between the display options,

➔ press the **DIS** (9) button (9).

SD/MMC card mode

You can play files with music data stored on SD/MMC cards (Secure Digital or Multi-Media Card) in MP3 or WMA format using this car sound system. The operation for playing MP3 and WMA files is identical.

Note:

Blaupunkt cannot guarantee the correct functioning of all SD/MMC cards available on the market and, for this reason, recommends the use of SD/MMC cards manufactured by "SanDisk" or "Panasonic".

Preparing MP3/WMA titles

You can write data onto the SD/MMC cards with the help of a standard SD/MMC card reader and your PC.

Notes:

- WMA files with Digital Rights Management (DRM) from online music shops cannot be played with this device.
- WMA files can only be played back safely if they were created with Windows Media Player version 8 or later.

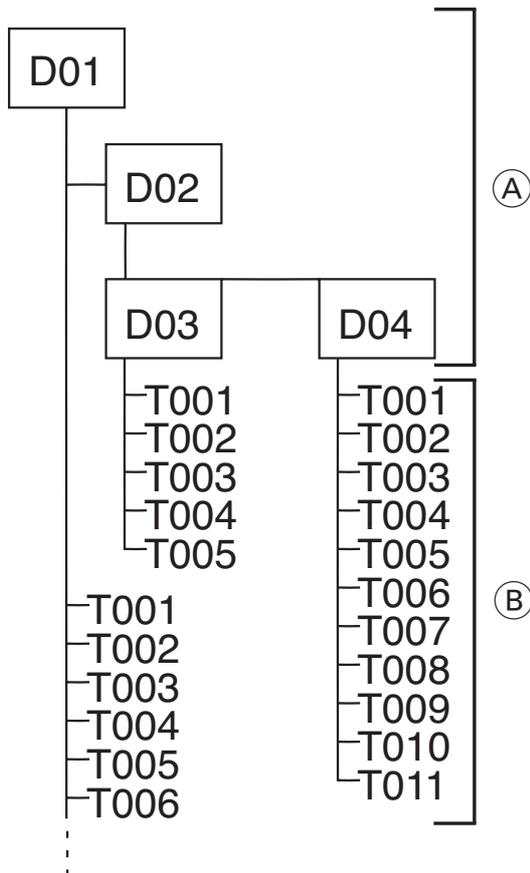
For a perfect access to SD/MMC cards, observe the information in the following table when saving MP3/WMA titles on the SD/MMC card:

File system	FAT16 or FAT32, no NTFS!
ID3 tags	Version 1 or 2
Files	Only MP3 or WMA files, directories, playlists
Number	1,500 files (directories and tracks) per directory
Naming of files	File extension ".wma"/ ".mp3"
	Max. 24 characters (more characters are possible, but it reduces the max. number of files)
	No special characters or umlauts
Bit rate	MP3: 32 to 320 kbps WMA: 32 to 192 kbps

SD/MMC card mode

You can name each directory using a PC. The name of the directory is then shown on the display of the device.

If you like your files to be in the specific order, save the files on the card in the desired sequence in which you want to play them later.



- (A) Directories
- (B) Tracks · Files

Inserting/removing SD/MMC card

➔ Insert the SD/MMC card with its labelled side to the left and its contacts first into the card slot (10) until it clicks into place.

You can now select the SD/MMC card as audio source with the **SRC** button (15).

To remove the SD/MMC card,
➔ push on the SD/MMC card until it disengages.
➔ Pull the SD/MMC card out of the card slot (10).

Switching to SD/MMC mode

➔ Press the **SRC** button (15) repeatedly until the display shows "SD Card".

The playback starts.

Configuring the display

The following settings require that an SD card with MP3 or WMA files is in the device.

Configuring the default display

You can display various types of information on the current track:

- File name or track name
- Artist
- Album name
- Play time (PLAY)
- Time (CLK)

Note:

The ID3 text changes to scrolling text with more than 9 characters. After one pass, the first 9 characters are permanently shown on the display.

To switch between the different display options,

➔ press the **DIS** (9) button (9).

Selecting a directory

To move up or down to another directory,

➔ press the ∇ or \nearrow (5) button once or several times.

Selecting tracks

To move up or down to another track in the current directory,

➔ press the $<$ or $>$ (5) button once or several times.

If you press the $<$ button (5) once, the current track will be played again from the beginning.

Fast seek tuning (audible)

To fast search backwards or forwards,

➔ Press and hold down the $<$ or $>$ button (5) for longer than two seconds.

Seek tuning continues as long as you hold the button pressed.

Repeating individual tracks or whole directories (REPEAT)

You can repeatedly play the current track or all tracks in the current directory.

➔ Press the **4 RPT** (13) button repeatedly until the desired function appears on the display:

- "RPT TRACK" (current track)
- "RPT DIR"
(all tracks in the current directory)
- "RPT OFF" (end repeat)

If the repeat function is active, the display shows **RPT**.

Random track play (MIX)

You can play either all tracks in the current directory or all tracks on the SD/MMC card in random order.

➔ Press the **5 MIX** (13) button repeatedly until the desired function appears on the display:

- "MIX ALL"
(all tracks on the SD/MMC card)
- "MIX DIR"
(all tracks in the current directory)
- "MIX OFF" (end playback in random order)

If the random track play (MIX) is active, the display shows **MIX**.

Scanning tracks (SCAN)

You can scan all the tracks on the SD/MMC card.

➔ Press the **M/OK** button (14) for longer than two seconds.

The display changes between "SCAN" and the file name. The tracks of the SD/MMC are scanned in ascending order.

Note:

You can set the scanning time. For further information on setting the scanning time, please read the section entitled "Setting the scanning time" in the "Radio mode" chapter.

Cancelling Scan and continuing listening to a track

➡ Briefly press the **M/OK** button (14).

The currently scanned track will then continue to be played normally.

Interrupting playback (PAUSE)

➡ Press the **3** button (13).

"PAUSE" appears on the display.

Cancelling pause

➡ Press the **3** button (13).

Playback is continued.

CD-changer mode

Note:

Information about handling CDs, inserting CDs and operating the CD changer can be found in the operating instructions supplied with your CD changer.

Switching to CD-changer mode

➡ press the **SRC** button (15) repeatedly until the display shows "CDC/AUX-IN".

The device starts playing the first CD that the CD changer detects.

Selecting CDs

To move up or down to another CD,

➡ press the **∨** or **∧** button (5) once or several times.

Note:

The device will ignore empty CD slots in the changer and slots containing invalid CDs.

Selecting tracks

To move up or down to another track on the current CD,

➡ press the **<** or **>** button (5) once or several times.

Fast seek tuning (audible)

To fast search backwards or forwards,

➡ press and hold the **<** or **>** button (5) for longer than two seconds.

Seek tuning continues as long as you hold the button pressed.

Configuring the display

Three options are available for the display in CD changer mode:

- Track number and playing time
- Track number and time
- CD number and track number

To switch between the different display options,

➡ press the **DIS** button (9).

Repeating individual tracks or whole CDs (REPEAT)

You can repeatedly play the current track or all tracks on the current CD.

➔ Press the **4 RPT** (13) button repeatedly until the desired function appears on the display:

- "RPT TRACK" (current track)
- "RPT DISC"
(all tracks on the current CD)
- "RPT OFF" (end repeat)

If the repeat function is active, the display shows **RPT**.

Random track play (MIX)

You can play either all tracks on the current CD or all CDs in the magazine in random order.

➔ Press the **5 MIX** (13) button repeatedly until the desired function appears on the display:

- "MIX CD" (all tracks on the current CD)
- "MIX ALL" (all CDs in the magazine)
- "MIX OFF" (end random order)

If the random track play (MIX) is active, the display shows **MIX**.

Scanning all tracks on all CDs (SCAN)

To scan (briefly play) all the tracks on all the inserted CDs in ascending order,

➔ press the **M/OK** button (14) for longer than two seconds.

The display changes between "SCAN" and the track number. All CDs in the magazine are scanned in ascending order.

Note:

You can set the scanning time. For further information, please read the section entitled "Setting the scanning time" in the "Radio mode" chapter.

Cancelling Scan and continuing listening to a track

➔ Briefly press the **M/OK** button (14).

The currently scanned track will then continue to be played normally.

Interrupting playback (PAUSE)

➔ Press the **3 ||▶** button (13).

"PAUSE" appears on the display.

Cancelling pause

➔ Press the **3 ||▶** button (13).

Playback is continued.

Clock - Time

Displaying the time

You can display the time in the tuner, SD and CD changer mode.

➔ Press the **DIS** (9) button until the time appears on the display.

Setting the time

To set the time,

➔ press the **M/OK** button (14).

The display shows "MENU".

➔ Press the **∨** or **∧** button (5) repeatedly until "CLOCK SET" appears on the display.

➔ Press the **M/OK** button (14) to display the submenu.

The currently set time appears on the display. The hours flash and can be adjusted.

➔ Adjust the hours with the $\bar{\Delta}$ or Δ button (5).

Once the hours are set,

➔ press the \triangleright button (5).

The minutes flash.

➔ Adjust the minutes with the $\bar{\Delta}$ or Δ button (5).

When you have finished making your changes,

➔ press the **M/OK** button (14).

To exit the menu,

➔ press the **ESC** button (6) or wait approx. 8 seconds.

Selecting 12/24-hour clock mode

➔ Press the **M/OK** button (14).

The display shows "MENU".

➔ Press the $\bar{\Delta}$ or Δ button (5) repeatedly until "24 H MODE" or "12 H MODE" appears on the display.

➔ Press the \langle or \triangleright button (5) to change the mode.

When you have finished making your changes,

➔ press the **M/OK** button (14).

To exit the menu,

➔ press the **ESC** button (6) or wait approx. 8 seconds.

Displaying the time with device and ignition switched off

To display the time when the device is off and the vehicle ignition is on,

➔ press the **M/OK** button (14).

The display shows "MENU".

➔ Press the $\bar{\Delta}$ or Δ button (5) repeatedly until "CLOCK OFF" or "CLOCK ON" appears on the display.

➔ Press the \langle or \triangleright button (5) to switch the display between ON and OFF.

When you have finished making your changes,

➔ press the **M/OK** button (14).

To exit the menu,

➔ press the **ESC** button (6) or wait approx. 8 seconds.

Sound

For every source (radio, SD/MMC, CD changer or AUX-IN), you can perform individual and separate settings for the sound (bass and treble) and the equalizer.

The settings for X-Bass and the volume distribution (balance and fader) are performed jointly for all audio sources (except for traffic announcements and telephone/navigation announcements).

Fader and balance can be adjusted for traffic reports and telephone calls/navigation announcements only during the announcement.

Equalizer

This device features a digital 3-band equalizer. This equalizer allows for selecting one frequency each for bass, treble and middle and to adjust the level for the selected frequency. In addition, you can adjust the quality factor for bass and middle.

Equalizer settings

The following table shows the bass, treble and equalizer setting options in the "AUDIO" menu. Some settings feature an "E" (for "ENHANCED"), e.g. "E-BASS". These settings are performed in the "ENHANCED" submenu.

Note:

The table does **not** contain all the settings that are possible in the menus "AUDIO" and "ENHANCED".

	Audio				
	BASS	TREBLE	ENHANCED		
			E-BASS	E-TREBLE	E-MIDDLE
Level (GAIN)	-7 to +7	-7 to +7	-	-	-7 to +7
Frequency (FREQ)	-	-	60 Hz, 80 Hz, 100 Hz or 200 Hz	10 kHz, 12.5 kHz, 15 kHz or 17.5 kHz	0.5 kHz, 1.0 kHz, 1.5 kHz or 2.5 kHz
Quality factor (QFAC)	-	-	1.0, 1.25, 1.5 or 2.0	-	0.5, 0.75, 1.0 or 1.25

Adjusting BASS

To adjust the level of the bass,

➔ press the **AUDIO** button (12).

"BASS" appears on the display.

➔ Press the > button (5) to call up the submenu.

"BASS" and the currently set value for the level are displayed.

➔ Press the √ or ↶ button (5) to change the value.

When you have finished making your changes,

➔ press the **AUDIO** button (12).

Adjusting TREBLE

To adjust the level of the treble,

➔ press the **AUDIO** button (12).

"BASS" appears on the display.

➔ Press the √ or ↶ button (5) repeatedly until "TREBLE" appears on the display.

➔ Press the > button (5) to call up the submenu.

"TREBLE" and the currently set value for the level are displayed.

➔ Press the √ or ↶ button (5) to change the value.

When you have finished making your changes,

➔ press the **AUDIO** button (12).

Adjusting E-BASS

To set the frequency and the quality factor of the bass,

➔ press the **AUDIO** button (12).

"BASS" appears on the display.

➔ Press the √ or ↶ button (5) repeatedly until "ENHANCED" appears on the display.

➔ Press the **M/OK** button (14) to display the submenu.

"E-BASS" appears on the display.

➔ Press the > button (5) to call up the submenu.

"FREQ" and the currently set value are displayed.

➔ Press the √ or ↶ button (5) to select between "FREQ" (frequency) and "QFAC" (quality factor).

➔ Press the < or > button (5) to change the selected setting.

When you have finished making your changes,

➔ press the **AUDIO** button (12).

Adjusting E-TREBLE

To adjust the frequency of the treble,

➔ press the **AUDIO** button (12).

"BASS" appears on the display.

➔ Press the √ or ↶ button (5) repeatedly until "ENHANCED" appears on the display.

➔ Press the **M/OK** button (14) to display the submenu.

"E-BASS" appears on the display.

➔ Press the √ or ↶ button (5) repeatedly until "E-TREBLE" appears on the display.

➔ Press the > button (5) to call up the submenu.

"FREQ" (frequency) and the currently set value are displayed.

➡ Press the < or > button (5) to change the selected setting.

When you have finished making your changes,

➡ press the **AUDIO** button (12).

Adjusting E-MIDDLE

To set the gain, the frequency and the quality factor of the middle,

➡ press the **AUDIO** button (12).

"BASS" appears on the display.

➡ Press the √ or ⏏ button (5) repeatedly until "ENHANCED" appears on the display.

➡ Press the **M/OK** button (14) to display the submenu.

"E-BASS" appears on the display.

➡ Press the √ or ⏏ button (5) repeatedly until "E-MIDDLE" appears on the display.

➡ Press the > button (5) to call up the submenu.

"GAIN" and the currently set value are displayed.

➡ Press the √ or ⏏ button (5) to select between "GAIN", "FREQ" (frequency) and "QFAC" (quality factor).

➡ Press the < or > button (5) to change the selected setting.

When you have finished making your changes,

➡ press the **AUDIO** button (12).

Setting the left/right volume distribution (balance)

➡ Press the **AUDIO** button (12).

"BASS" appears on the display.

➡ Press the √ or ⏏ button (5) repeatedly until "BALANCE" appears on the display.

➡ Press the > button (5) to call up the submenu.

"BAL" and the currently set value are displayed.

➡ Press the √ or ⏏ button (5) to adjust the volume distribution right (R)/left (L).

When you have finished making your changes,

➡ press the **AUDIO** button (12).

Adjusting the front/rear volume distribution (fader)

➡ Press the **AUDIO** button (12).

➡ "BASS" appears on the display.

➡ Press the √ or ⏏ button (5) repeatedly until "Fader" appears on the display.

➡ Press the > button (5) to call up the submenu.

"FADER" and the currently set value are displayed.

➡ Press the √ or ⏏ button (5) to adjust the volume distribution front (F)/rear (R).

When you have finished making your changes,

➡ press the **AUDIO** button (12).

Equalizer presets (Presets)

This device features an equalizer in which the settings for the music genres "ROCK", "POP" and "CLASSIC" are already programmed.

To select an equalizer preset,

➔ press the **AUDIO** button (12).

"BASS" appears on the display.

➔ Press the \sphericalangle or \sphericalangle button (5) repeatedly until "ENHANCED" appears on the display.

➔ Press the **M/OK** button (14) to display the submenu.

"E-BASS" appears on the display.

➔ Press the \sphericalangle or \sphericalangle button (5) repeatedly until "PRESETS" appears on the display.

➔ Press the \sphericalangle button (8) repeatedly to call up the submenu.

The current presetting is displayed.

➔ Press the \sphericalangle or \sphericalangle button (8) to change the selected setting. Select "P-EQ OFF" to switch off the equalizer.

When you have finished making your changes,

➔ press the **AUDIO** button (12).

X-BASS

X-BASS allows you to increase the bass at low volume. The selected X-Bass settings are effective for all audio sources (radio, SD/MMC, CD changer or AUX-IN).

You have two options of adjusting X-BASS: You can adjust the X-BASS boost and the cut-off frequency to be boosted. The X-BASS boost can be changed in both submenus, "X-BASS" and "E-XBASS". The following table shows the setting options in the "AUDIO" menu.

	Audio	
	X-BASS	ENHANCED
	E-XBASS	
Boost (GAIN)	0 to 3	
Frequency (FREQ)	-	50 Hz, 100 Hz, 200 Hz

Adjusting the X-BASS boost

The X-BASS boost can be set to levels 0 (X-Bass function off) to 3.

➔ Press the **AUDIO** button (12).

"BASS" appears on the display.

➔ Press the \sphericalangle or \sphericalangle button (5) repeatedly until "X-BASS" appears on the display.

➔ Press the \sphericalangle button (5) to call up the submenu.

"X-BASS" and the currently set value are displayed.

➔ Press the \sphericalangle or \sphericalangle button (5) repeatedly until the desired setting appears on the display.

When you have finished making your changes,

➔ press the **AUDIO** button (12).

Adjusting E-XBASS

In the "E-XBASS" submenu, you can also adjust the cut-off frequency in addition to the X-BASS boost. You can select from 50 Hz, 100 Hz and 200 Hz.

➔ Press the **AUDIO** button (12).

"BASS" appears on the display.

➔ Press the \sphericalangle or \sphericalangle button (5) repeatedly until "ENHANCED" appears on the display.

➔ Press the **M/OK** button (14) to display the submenu.

"E-BASS" appears on the display.

➔ Press the \sphericalangle or \sphericalangle button (5) repeatedly until "E-XBASS" appears on the display.

➔ Press the \sphericalangle button (5) to call up the submenu.

"GAIN" and the currently set value are displayed.

➔ Press the \sphericalangle or \sphericalangle button (5) to select between "GAIN" (X-BASS boost) and "FREQ" (frequency).

➔ Press the \sphericalangle or \sphericalangle button (5) to change the selected setting.

When you have finished making your changes,

➔ press the **AUDIO** button (12).

Display

If you switch on the vehicle illumination, the display brightness switches day mode to night mode. This requires that your car sound system is connected as described in the installation instructions. Your vehicle must feature the corresponding connection option.

Adjusting the display brightness

You can adjust the display brightness separately for night (DIM NIGHT) and day (DIM DAY) in steps ranging from 1 to 16.

➔ Press the **M/OK** button (14).

The display shows "MENU".

➔ Press the \sphericalangle or \sphericalangle button (5) repeatedly until "DIM DAY" or "DIM NIGHT" appears on the display.

➔ Press the **M/OK** button (14) to display the submenu.

"DIM DAY" or "DIM NIGHT" and the currently set value are displayed.

➔ Press the \sphericalangle or \sphericalangle button (5) to adjust the brightness.

When you have finished making your changes,

➔ press the **M/OK** button (14).

To exit the menu,

➔ press the **ESC** button (6) or wait approx. 8 seconds.

External audio sources

External audio sources, such as portable CD players, MiniDisc players or MP3 players, can be connected to the device in two ways.

1. To the rear AUX-IN input (if no CD changer is connected to the device).

The **SRC** button (15) allows for selecting the rear AUX-IN input. The display then shows "CD / AUX-IN".

Note:

An adapter cable is needed to connect an external audio source to the rear AUX-IN input. You can obtain this cable (Blaupunkt no.: 7 607 897 093) from your Blaupunkt dealer.

2. To the front AUX-IN socket.

As soon as an audio source is connected to the front AUX-IN socket, it can be selected with the **SRC** button (15). The display then shows "FRONT AUX-IN".

Factory settings (Normset)

You can reset the device to the factory settings.

Note:

Your personal settings are deleted during reset (Normset).

- ➔ Press the **M/OK** button (14).

The display shows "MENU".

- ➔ Press the \sphericalangle or \sphericalangle button (5) repeatedly until "NORMSET" appears on the display.

- ➔ Press the **M/OK** button (14) to display the submenu.

"NORM OFF" appears on the display.

To reset the device to the factory settings,

- ➔ press the **M/OK** button (14) for longer than 4 seconds.

"NORM ON" appears on the display and the device is reset.

Factory settings:

Volume of traffic announcements (TA VOL)	30
Power-on volume (ON VOL)	Last Volume
Volume of muting (MUTE LEVEL)	0
Volume of telephone/navigation announcement (TEL VOL)	25 (RDS) or 10 (NRDS)
Seek tuning sensitivity (SENS)	H16
Scan time (SCAN TIME)	10 seconds

Programme type (PTY)	OFF
PTY language (PTY LANG)	ENGLISH
Time display (CLOCK)	OFF
Time (CLOCK SET)	0:00 (RDS) or 12:00 (NRDS)
Time display mode (CLOCK MODE)	24 HR (RDS) or 12 HR (NRDS)
Confirmation beep (BEEP)	ON
Regional function (REG)	OFF
Display brightness	DIM DAY 15, DIM NIGHT 12
RDS	ON

Specifications

Amplifiers

Output power: 18 W RMS x 4 ch @
14.4 V @ 4 ohm @
1% THD

Tuner

Frequency ranges in the US:

FM: 87.7 - 107.9 MHz
(200 kHz step)

AM: 530 - 1710 kHz
(10 kHz step)

Frequency ranges in Europe:

FM: 87.5 - 108 MHz
(100 kHz step
auto/ 50 kHz
manual)

AM: 531 - 1602 kHz
(9 kHz step)

Frequency ranges in Thailand:

FM: 87.5 - 108 MHz
(50 kHz step
auto/25 kHz step
manual)

AM: 531 - 1602 kHz
(9 kHz step)

Frequency ranges in South America:

FM: 87.5 - 107.9 MHz
(100 kHz step
auto/50 kHz step
manual)

AM: 530 - 1710 kHz
(10 kHz step)

Specifications

FM mono sensitivity:

17 dbf

FM frequency response:

35 - 16,000 Hz

SD card/MMC

Frequency response:

20 - 20,000 Hz

Pre-amp out

4 channels:

2 V

Input sensitivity

AUX-IN input (rear): 2 V / 6 k Ω

AUX-IN input (front): 2 V / 6 k Ω

Tel./Navi input: 10 V / 1 k Ω

Weight approx.

0.8 kg

Subject to changes!

(GB) Installation instructions



Safety instructions

When carrying out installation work and making connections please observe the following safety instructions:

- Disconnect the negative terminal of the battery! When doing so, please observe the vehicle manufacturer's safety instructions.
- Make sure you do not damage vehicle components when drilling any holes.
- The cross sections of the positive and negative cables must not be less than 1.5 mm².
- **Do not connect the vehicle's plug connectors to the radio!**
You can obtain the adapter cable required for your vehicle type from any BLAUPUNKT dealer.
- Depending on the model, your vehicle may differ from the description provided here. We accept no responsibility for any damages due to incorrect installation or connection or for any consequential damages.

If the information provided here is not suitable for your specific installation requirements, please contact your Blaupunkt dealer, your vehicle manufacturer or our telephone hotline.

When installing an amplifier or changer, you must first connect the device earth connections before connecting the plugs for the line-in or line-out jacks.

Earth connection of external devices may not be connected to earth of car sound system (housing).

(F) Notice de montage



Consignes de sécurité

Respecter les consignes de sécurité suivantes pendant la durée du montage et du branchement.

- Débrancher le pôle (-) de la batterie !
Respecter les consignes de sécurité du constructeur automobile !
- Veiller à n'endommager aucune pièce du véhicule en perçant des trous.
- La section du câble (+) et (-) ne doit pas dépasser 1,5 mm².
- **Ne pas brancher les connecteurs du véhicule sur la radio !**
Les câbles d'adaptation nécessaires pour le type de véhicule sont disponibles auprès des revendeurs BLAUPUNKT.
- En fonction du modèle, votre véhicule peut différer de cette description. Nous déclinons toute responsabilité en cas de dommages causés par des erreurs de montage ou de connexion et en cas de dommages consécutifs.

- 양성 및 음성 케이블의 크로스 면적이 반드시 1.5 mm² 이상 이어야만 합니다.
- **자동차의 플러그 커넥터를 라디오에 연결하지 마십시오!**
귀하의 자동차 모델에 적합한 어댑터 케이블은 모든 BLAUPUNKT 대리점에서 구입할 수 있습니다.
- 모델에 따라, 귀하의 자동차가 본 설명서의 내용과 다를 수도 있습니다. 당사는 잘못된 설치나 연결 또는 이로 인하여 발생한 어떠한 손해도 책임지지 않습니다.

본 설명서에 따라 제품을 장착할 수 없을 때에는, Blaupunkt 대리점이나 귀하의 자동차 제조업체 또는 당사의 핫라인으로 전화문의 하시기 바랍니다.

앰프나 체인저를 설치할 때에는, 플러그를 라인-인 또는 라인-아웃 잭에 연결하기 전에 먼저 기기의 접지 연결을 시켜야만 합니다.

외장 기기의 접지 연결이 카 사운드 시스템(하우징)의 접지에 연결되어 있지 않을 수 있습니다.

Supplied Mounting Hardware

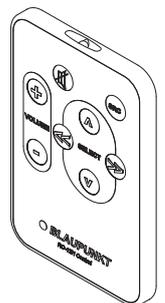
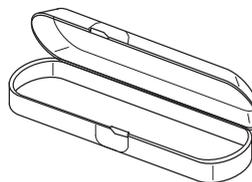
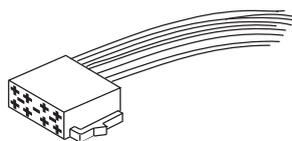
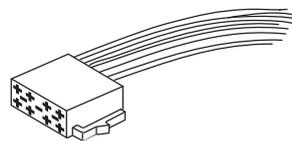
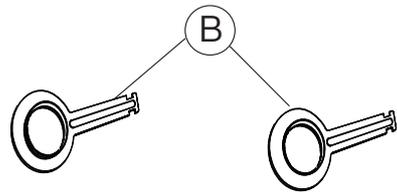
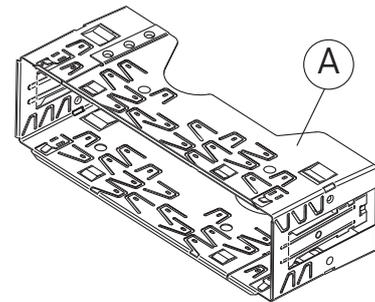
Materiel de montage fourni

Ferretería de montaje suministrada

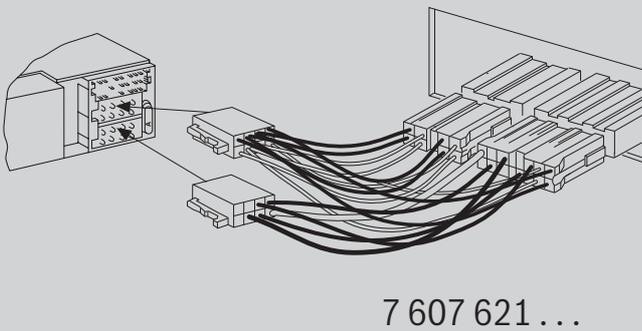
Elementos de fixação fornecidos

已提供的硬体装备

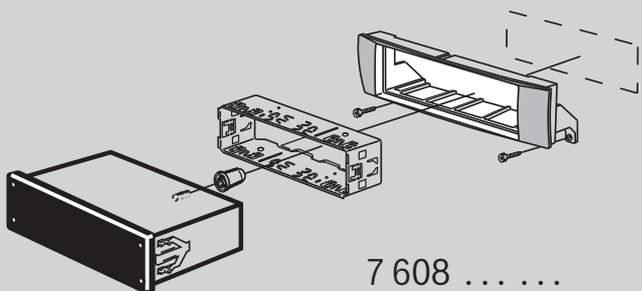
공급된 장착용 하드웨어



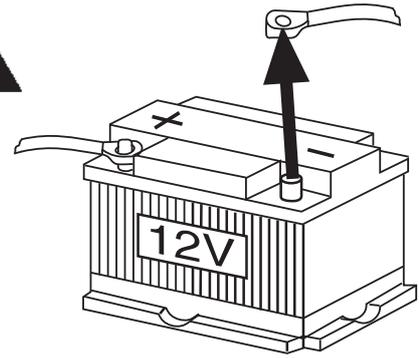
Available as an optional accessory
 Disponible en option
 De venta como accesorios especiales
 Disponíveis como acessórios opcionais
 可作为选择性附件
 선택 액세서리로 별도 구입이 가능합니다



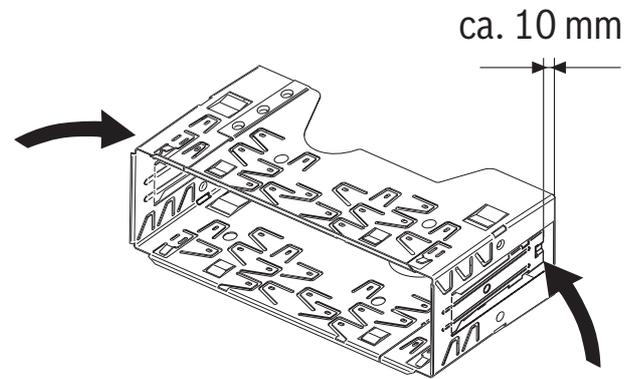
Installation kits
 Kits de montage
 Juegos de montaje
 Kits de montagem
 安装工具
 설치 도구 세트



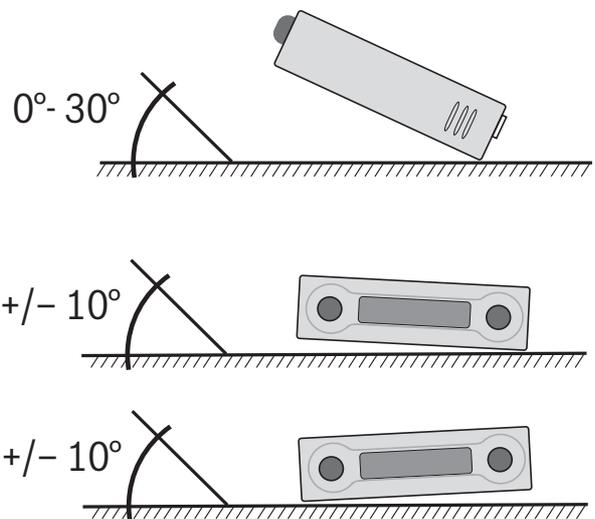
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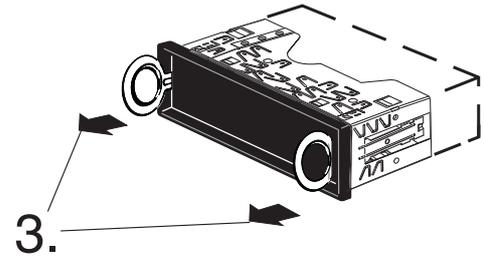
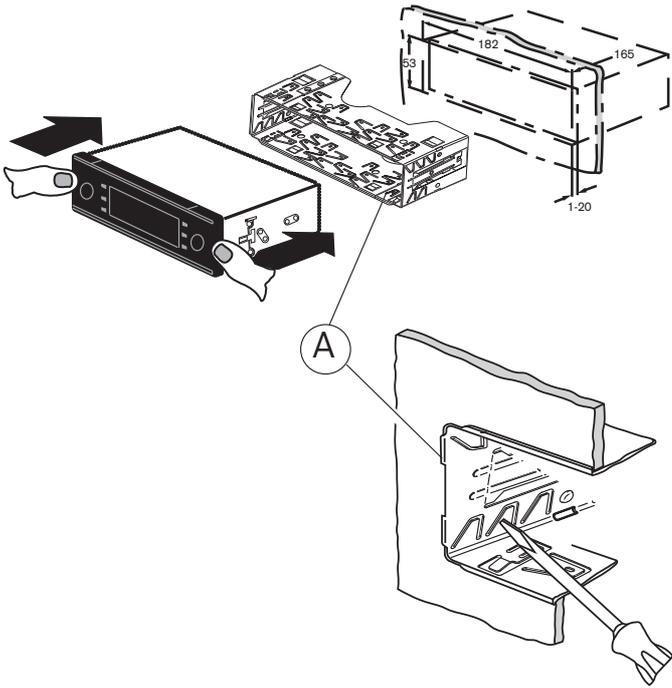
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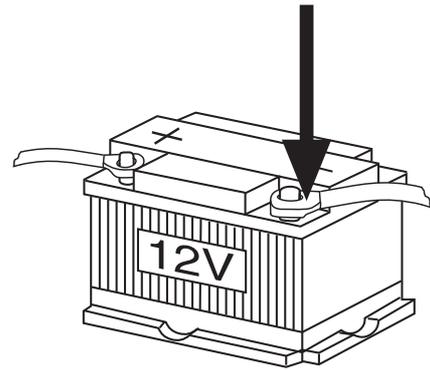
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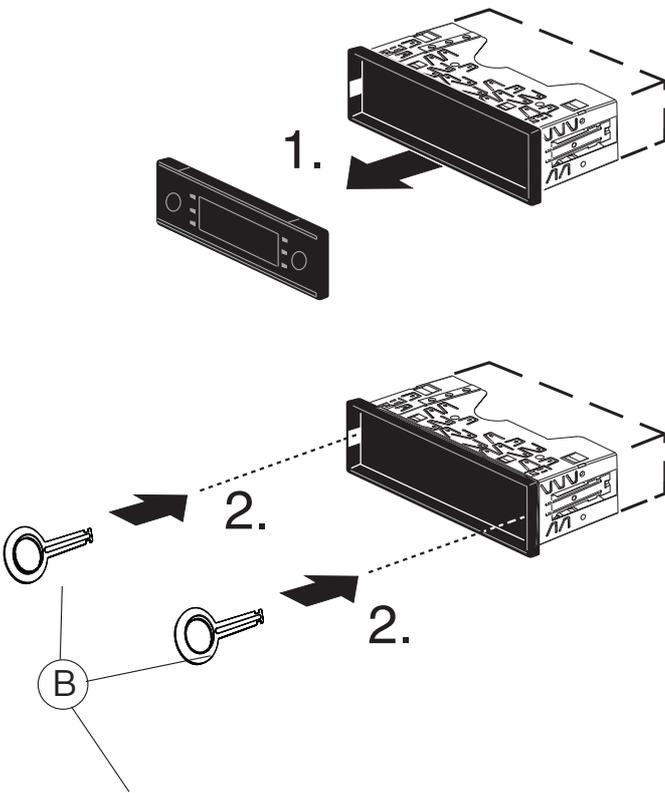
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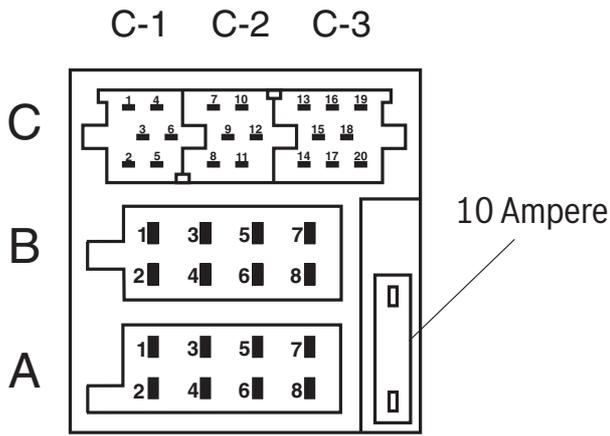


**5. Removal / Démontage / Desmontaje /
Desmontagem /
拆除 / 제거하기**



8613 150 002

7.



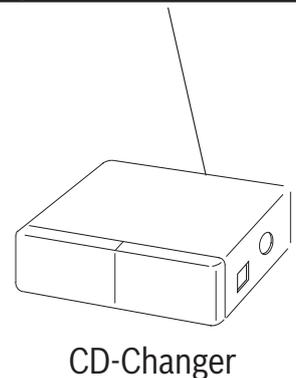
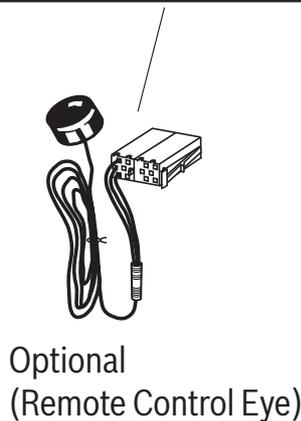
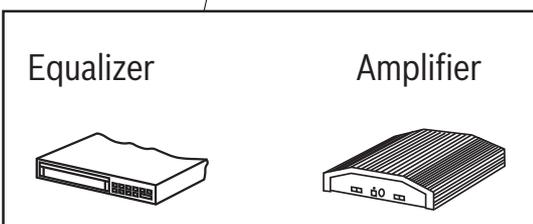
- Aut. antenna
 * - FB +12V / RC +12V
 - +12V Amplifier

Sum
 Somme
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 总和
 합계

300 mA

A		B	
1	No connection	1	Speaker out RR+
2	Radio Mute	2	Speaker out RR-
3	nc	3	Speaker out RF+
4	Permanent +12V	4	Speaker out RF-
5	Aut. antenna	5	Speaker out LF+
6	Illumination	6	Speaker out LF-
7	Kl.15/Ignition*	7	Speaker out LR+
8	Masse/GND	8	Speaker out LR-

C					
C1		C2		C3	
1	Line Out LR	7	Telefon NF in +	13	CDC-Data - In
2	Line Out RR	8	Telefon NF in -	14	CDC-Data - Out
3	Line Out / Ground	9	Radio Mute	15	Permanent +12V
4	Line Out LF	10	- RC +12V *	16	+12V *
5	Line Out RF	11	Remote Control	17	Bus / GND
6	+12V Amplifier*	12	RC - GND	18	AF / GND
				19	CDC Line In - L
				20	CDC Line In - R



ENGLISH

FRANÇAIS

ESPAÑOL

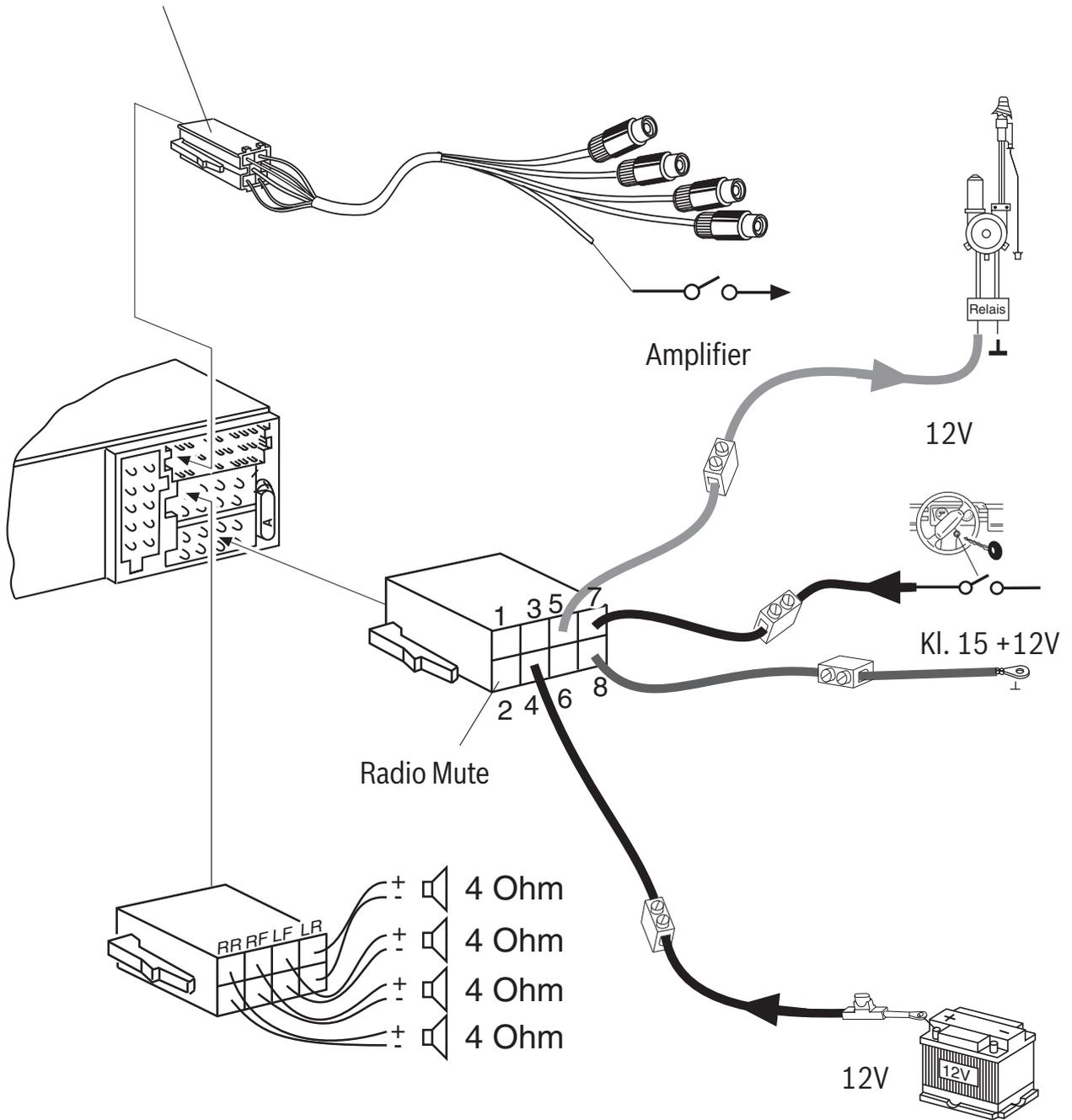
PORTUGUÊS

中文

한국어

8.

Preamp./Sub./Center - out cable



Subject to changes!
Sous réserve de modifications!
Modificaciones reservadas!
Sob reserva de alterações!
将随时更改!
이 정보는 변경될 수 있습니다!