Radio / CD / MP3 / MMC
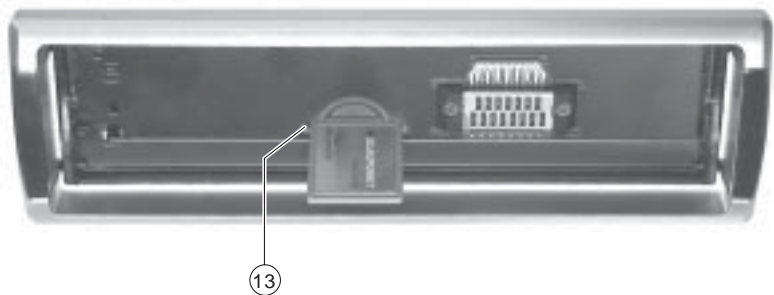
Los Angeles MP72
Toronto MP73

US version

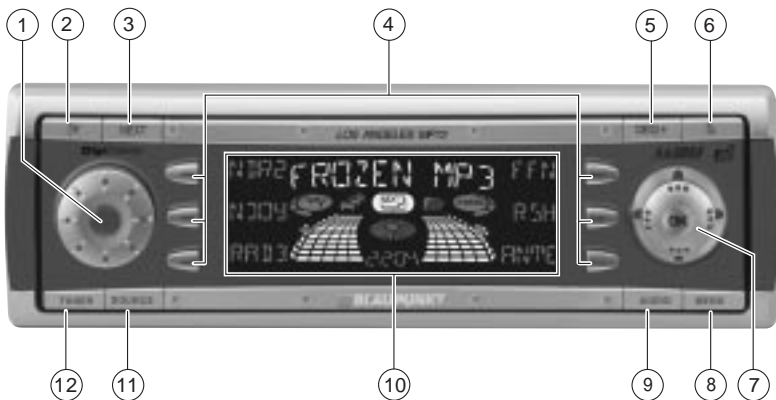**Operating instructions**

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CONTROLS

(1) Button, to switch the unit on/off, adjust the volume

(2) **N** Button, to unlock the removable control panel (release panel)

(3) **NEXT** button to display the other pages in a menu and to switch to a different memory bank in radio mode

(4) Softkeys: the function of the softkeys depends on the current display content

(5) **DEQ+** button, to open the equalizer menu

(6) ⬆ button, to open the flip-release control panel

(7) Joystick

(8) **MENU** button, to open the basic settings menu

(9) **AUDIO** button, to adjust the bass, treble, balance, fader and X-BASS (short press) and operate the volume mute feature (long press)

(10) Display

(11) **SOURCE** button, to start CD playback, MultiMedia Card (MMC)/CD-changer playback or Compact Drive MP3 (only if connected)
   or
   To play an external audio source (only if connected)

(12) **TUNER** button, to activate radio mode and open the radio functions menu (only possible in radio mode)

(13) MMC slot for inserting MultiMedia Cards or the KeyCard.

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CONTENTS

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Notes and accessories

Thank you for deciding to use a Blaupunkt product. We hope you enjoy using this new piece of equipment.

Please read these operating instructions before using the equipment for the first time.

The Blaupunkt editors are constantly working on making the operating instructions clearer and easier to understand. However, if you still have any questions on how to operate the equipment, please contact your dealer or the telephone hotline for your country. You will find the telephone numbers printed at the back of this booklet.

We provide a manufacturer guarantee for our products bought within the European Union. You can view the guarantee conditions at www.blaupunkt.de or ask for them directly at:

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

Road and traffic safety

⚠ Road and traffic safety have absolute priority. Only operate your car radio if the road and traffic conditions allow you to do so. Familiarise yourself with the device before setting off on your journey.

You should always be able to hear police, fire and ambulance sirens from afar. For this reason, set the volume of whatever you are listening to at a reasonable level.

Safety information

⚠ The car radio and the device's control panel (flip-release panel) heat up during use. Therefore, when removing the flip-release panel, only hold it by its non-metallic surfaces. Allow the car radio to cool down first if you want to uninstall the whole unit.

Installation

If you want to install your car radio yourself, please read the installation and connection instructions that follow these operating instructions.

Accessories

Only use accessories approved by Blaupunkt.

Remote control

The most important functions of your car radio can be accessed safely and conveniently from the steering wheel using the remote controls RC 08, RC 10 or RC 10H (available as an optional accessory).

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The radio cannot be switched on/off using the remote control.

Amplifier

All Blaupunkt amplifiers can be used.

CD changer

The following CD changers can be obtained from accessory retailers for connection with this device: CDC A02, CDC A 08, CDC A 072 und IDC A 09.

You can also connect the CDC A 071 CD-changer by using an adapter cable (Blaupunkt no.: 7 607 889 093).

Compact Drive MP3

As an alternative to a CD changer, you can connect a Compact Drive MP3 to access MP3 music tracks. If you connect a Compact Drive MP3, you will first need to use a computer to store the MP3 music tracks on the Microdrive™ hard disk inside the Compact Drive MP3. Then, when the Compact Drive MP3 is connected to the car radio, you can play the tracks like normal CD music tracks. The Compact Drive MP3 is operated in the same way as a CD changer. Most of the CD changer functions can also be used with the Compact Drive MP3.

Theft protection

Removable control panel

As a way of protecting your car radio against theft, the unit is equipped with a removable control panel (flip-release panel). Without this control panel, the car radio is worthless to a thief.

Protect your equipment against theft by taking the control panel with you every time you leave your vehicle. Do not leave the control panel in your vehicle - not even in a hiding place.

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

Note:
- Never drop the control panel.
- Never expose the control panel to direct sunlight or other heat sources.
- Store the control panel in the supplied case.
- Avoid making direct skin contact with the control panel's contacts. If necessary, clean the contacts with a lint-free cloth soaked in alcohol.

Detaching the control panel
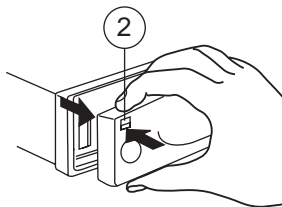
⇨ Press the **[⩗** button ②.

The control panel latch mechanism opens.

⇨ First, pull the control panel straight off the unit and then out towards the left.

● The unit switches off after the control panel is removed.

● All the current settings are saved.

● Any CD already inserted in the unit remains there.

Attaching the control panel

⇨ Slide the control panel from left to right into the unit's guide.

⇨ Press the left-hand edge of the control panel into the unit until it clicks into place.
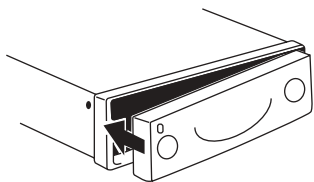
Note:
● When attaching the control panel, make sure you do not press the display.

If the device was still switched on when you removed the control panel, it will automatically switch on again with the last settings activated (i.e. radio, CD, MMC, CD changer/Compact Drive MP3 or AUX) when the panel is replaced.

KeyCard

In addition to the removable control panel, your car radio is equipped with a KeyCard for added security. The KeyCard is required to activate the unit if the device was disconnected from the car radio power supply (e.g. after installing/removing the device or disconnecting the battery during repair work). Once you have reactivated the device after its power supply was cut, you should remove the KeyCard. Without the KeyCard, the car radio is worthless to a thief.

Note:
Never store the KeyCard in the vehicle. If you are going on a longer journey, take the KeyCard with you. The KeyCard has been designed to be easy to use and carry around.

Inserting the KeyCard

To insert the KeyCard in the unit,

⇨ detach the removable control panel as described in the section entitled "Detaching the control panel".

The slot for the KeyCard/MultiMedia Card (MMC) ⑬ is located behind the control panel.

⇨ Carefully insert the KeyCard with the contacts facing downwards and the bevelled edge to the right into the MMC slot until you feel it click into place.

⇨ Attach the control panel again as described in "Attaching the control panel".

"KEYCARD OK" appears briefly in the display.

THEFT PROTECTION

Removing the KeyCard

To remove the KeyCard from the unit,

⇨ detach the removable control panel as described in the section entitled "Detaching the control panel".

The slot for the KeyCard/MultiMedia Card (MMC) ⑬ is located behind the control panel.

⇨ Push the KeyCard into the device until you feel it unclick.

The KeyCard is ejected.

⇨ Carefully pull the KeyCard out of the slot.

⇨ Attach the control panel again as described in "Attaching the control panel".

Note:
Never store the KeyCard in the vehicle.

Preparing a second KeyCard

A second KeyCard can be prepared (a process known as "Learning") as an additional KeyCard. This means you can create a "spare key". You can obtain KeyCards from your Blaupunkt dealer.

If you want to prepare a second Key-Card, please refer to the instructions in the section entitled "Preparing a new KeyCard / entering the master code".

Note:
● A maximum of two KeyCards can be used for each device.

If you already own two KeyCards for the unit and then prepare a third, the second KeyCard will no longer be able to be used with the unit.

Lost or damaged KeyCard

If all the unit's KeyCards are damaged or lost, you can prepare a new KeyCard.

You can acquire a new KeyCard from your dealer.

Before you can use the new KeyCard, you will need the device's master code, which you can find printed on the car radio passport. To prepare a new Key-Card, please read the section entitled "Preparing a new KeyCard".

⚠ Keep the car radio passport and the KeyCard in a safe place but never in the vehicle.

Preparing a new KeyCard / entering the master code

If you no longer have a valid KeyCard for your unit or you want to prepare a second KeyCard:

⇨ Insert a new KeyCard that the unit is not yet "familiar" with.

⇨ Close the control panel.

⇨ Switch the unit off if it is not already off.

⇨ Simultaneously press and hold the **TUNER** button ⑫ and the top left softkey ④.

⇨ Switch the unit on using button ①.

"0000" appears in the display.

Enter the four-digit master code that is printed on the car radio passport as follows:

⇨ Enter each of the master code's numbers using the joystick ⑦. To

do so, repeatedly press the joystick up or down until the required number appears in the display.

⇨ You can move the input cursor by pressing the joystick ⑦ to the left or right.

⇨ If the master code is displayed correctly, press the joystick **OK** button ⑦.

The new KeyCard is accepted as soon as the unit switches to playback mode and "KEYCARD OK" appears briefly in the display.

Notes:

● If you accidentally entered the master code incorrectly, you can enter it again after waiting for a short time.

● If the master code is entered incorrectly three times, you will have to wait for one hour. "WAIT 1 H" appears in the display. **The unit must not be switched off during this waiting period!** After the hour has passed, "TURN OFF" appears in the display. Now switch the unit off and proceed as described in the section entitled "Preparing a new KeyCard / entering the master code". You will then be able to enter the master code again.

Looking after the KeyCard

Keeping the contacts free from dirt and other particles will ensure that the Key-Card functions properly. Avoid making direct skin contact with the contacts.

If necessary, clean the KeyCard contacts with a lint-free cloth and some alcohol.

Switching on/off

There are various ways of switching the unit on/off.

Switching on/off using button ①

⇨ To switch the unit on, press button ① until you feel the latch open and the button pushes out.

The unit switches on.

⇨ To switch the unit off, press button ① until you feel it click into place.

The unit switches off.

Switching on/off using the vehicle ignition

If the device is correctly connected to the vehicle's ignition and the unit was not switched off using button ①, it will switch on/off simultaneously with the ignition.

You can switch the unit on even if the ignition is off.

⇨ To do so, press button ① so that you feel it unlatch and push out.

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

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ADJUSTING THE VOLUME

Adjusting the volume

The volume can be adjusted in stages from 0 (off) to 50 (maximum).

⇨ To increase the volume, turn the volume control ①　to the right.

⇨ To decrease the volume, turn the volume control ①　to the left.

Setting the power-on volume

You can set the unit's default power-on volume.

⇨ Press the **MENU** button ⑧.

⇨ Press the softkey ④　assigned to the "VOL" display item.

⇨ Press the softkey ④　assigned to the "ON" display item.

⇨ Set the required volume using the volume control ①.

⇨ Press the joystick **OK** ⑦　or the **MENU** button ⑧　to close the menu.

The settings are saved.

Note:
To avoid damage to your hearing, the power-on volume is limited to a value of "40".

Activating mute

This feature allows you to instantaneously reduce the volume (mute).

⇨ Press the **AUDIO** button ⑨　for longer than two seconds

"MUTE" appears in the display.

Cancelling mute

⇨ Briefly press the **AUDIO** button ⑨.

or

⇨ turn the volume control ①.

Telephone audio / navigation audio

If your car radio is connected to a mobile telephone or a navigation system, the unit's volume will be muted as soon as you "pick up" the telephone or as soon as a navigation announcement is made. The caller or voice output will then be heard over the car radio loudspeakers. In order for this to work, the mobile telephone or navigation system must be connected to the car radio in the manner described in the installation instructions.

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

You can set the volume level at which telephone calls and the navigation voice output will first be heard.

⇨ Press the **MENU** button ⑧.

⇨ Press the softkey ④　assigned to the "VOL" display item.

⇨ Press the softkey ④　assigned to the "TNAV" display item.

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ADJUSTING THE VOLUME

⇨ Set the required volume using the volume control ①.

⇨ Press the joystick **OK** ⑦ or the **MENU** button ⑧ to close the menu.

The settings are saved.

Note:
You can also adjust the volume during the telephone call using the volume control ①.

Automatic sound

This feature automatically adjusts the volume of the car radio to suit the speed at which the vehicle is travelling. In order for this to work, your car radio must be connected in the manner described in the installation instructions.

The automatic volume boost can be set to six levels (0-5). "0" means no boost and "5" means maximum boost.

⇨ Press the **MENU** button ⑧.

⇨ Press the softkey ④ assigned to the "VOL" display item.

⇨ Press the softkey ④ assigned to the "AUTO" display item.

⇨ Set the boost level using the joystick ⑦.

⇨ Press the joystick **OK** ⑦ or the **MENU** button ⑧ to close the menu.

The settings are saved.

Note:
The optimum setting for the speed-related sound adjustment feature depends on how noise levels develop in your particular vehicle. You will need to test various settings in order to find out which is best suited to your vehicle.

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SOUND AND VOLUME DISTRIBUTION SETTINGS

Sound and volume distribution settings

Note:
You can adjust the bass, treble and X-BASS individually for each audio source.

Adjusting the bass

⇨ Press the **AUDIO** button ⑨.

"AUDIO 1" appears in the display.

⇨ Press the softkey ④ assigned to the "BASS" display item.

⇨ Move the joystick ⑦ up or right to boost the bass or move it down or left to reduce the bass.

When you have finished making your changes,

⇨ press the joystick **OK** ⑦ or the **AUDIO** button ⑨.

Adjusting the treble

⇨ Press the **AUDIO** button ⑨.

"AUDIO 1" appears in the display.

⇨ Press the softkey ④ assigned to the "TREB" display item.

⇨ Move the joystick ⑦ up or right to boost the treble or move it down or left to reduce the treble.

When you have finished making your changes,

⇨ press the joystick **OK** ⑦ or the **AUDIO** button ⑨.

X-BASS

The X-BASS feature can be used to boost the bass at low volume levels.

⇨ Press the **AUDIO** button ⑨.

"AUDIO 1" appears in the display.

⇨ Press the softkey ④ assigned to the "X-BASS" display item.

⇨ Move the joystick ⑦ up or right to boost the X-BASS or move it down or left to reduce the X-BASS.

When you have finished making your changes,

⇨ press the joystick **OK** ⑦ or the **AUDIO** button ⑨.

Adjusting the right/left volume distribution (balance)

⇨ To adjust the balance, press the **AUDIO** button ⑨.

"AUDIO 1" appears in the display.

⇨ Press the softkey ④ assigned to the "BAL" display item.

⇨ Move the joystick ⑦ up/right or down/left to adjust the right/left volume distribution.

When you have finished making your changes,

⇨ press the joystick **OK** ⑦ or the **AUDIO** button ⑨.

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VOLUME DISTRIBUTION

Adjusting the front/back volume distribution (fader)

⇨ To adjust the fader, press the **AUDIO** button ⑨.

"AUDIO 1" appears in the display.

⇨ Press the softkey ④ assigned to the "FADE" display item.

⇨ Move the joystick ⑦ up/right or down/left to adjust the front/back volume distribution.

When you have finished making your changes,

⇨ press the joystick **OK** ⑦ or the **AUDIO** button ⑨.

ADJUSTING THE DISPLAY

Adjusting the display

You can adjust the display to suit the installation position in your vehicle and your own preferences.

Adjusting the viewing angle

⇨ Press the **MENU** button ⑧.

⇨ Press the softkey ④ assigned to the "DISP" display item.

⇨ Press the softkey ④ assigned to the "ANGL" display item.

⇨ Move the joystick ⑦ up/right or down/left to adjust the viewing angle.

⇨ Press the joystick **OK** ⑦ or the **MENU** button ⑧ to close the menu.

The settings are saved.

Adjusting the display brightness

If your car radio has been connected as described in the installation instructions, the display brightness will switch over when the headlights are turned on/ off. The display brightness can be adjusted separately for night and day in steps ranging from 1-6. We recommend setting "6".

Daytime display brightness

⇨ Press the **MENU** button ⑧.

⇨ Press the softkey ④ assigned to the "DISP" display item.

⇨ Press the softkey ④ assigned to the "DAY" display item.

⇨ Move the joystick ⑦ up/right or down/left to adjust the brightness.

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ADJUSTING THE DISPLAY

⇨ Press the joystick **OK** (7) or the **MENU** button (8) to close the menu.

The settings are saved.

Night-time display brightness

⇨ Press the **MENU** button (8).

⇨ Press the softkey (4) assigned to the "DISP" display item.

⇨ Press the softkey (4) assigned to the "NGHT" display item.

⇨ Move the joystick (7) up/right or down/left to adjust the brightness.

⇨ Press the joystick **OK** (7) or the **MENU** button (8) to close the menu.

The settings are saved.

Setting the button illumination colour

The colour of the device's button illumination can be adjusted. Choose between "COLOR 1" or "COLOR 2".

⇨ Press the **MENU** button (8).

⇨ Press the softkey (4) assigned to the "DISP" display item.

⇨ Keep pressing the softkey (4) assigned to the "KEYS" display item until the required colour ("COLOR 1" or "COLOR 2") appears in the display.

⇨ Press the joystick **OK** (7) or the **MENU** button (8) to close the menu.

The settings are saved.

Setting the level display

The level display briefly provides a symbolic display of the volume, the sound control settings and the equalizer settings whilst you are making your changes.

When you are not changing any settings, the level display can display the car radio's output level. You can also switch off the level display and have the current volume level displayed continuously.

Switching the level display on/off

⇨ Press the **MENU** button (8).

⇨ Press the softkey (4) assigned to the "DISP" display item.

⇨ Keep pressing the softkey (4) assigned to the "EQ" display item until the required setting "EQ DISP OFF" or "EQ DISP ON" appears.

⇨ Press the joystick **OK** (7) or the **MENU** button (8) to close the menu.

The settings are saved.

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Radio mode

Setting the tuner

To ensure that the tuner works properly, the device must be configured for your region. You can choose between Europe and the USA. By default, the tuner is set to the region in which the device was sold. If you experience problems with radio reception, please check these settings.

⇨ Press the **MENU** button ⑧.

⇨ Press the softkey ④ assigned to the "SETP" display item.

⇨ Press the softkey ④ assigned to the "AREA" display item.

⇨ Press the softkey ④ assigned to the display item of the region that you require: "EURO" or "USA".

⇨ Press the joystick **OK** ⑦ or the **MENU** button ⑧ to close the menu.

The settings are saved.

Switching to radio mode

If the device is in CD mode, cassette mode, Multi-Media Card (MMC) mode (depending on the car radio's equipment) or CD changer/Compact Drive MP3 mode,

⇨ press the **TUNER** button ⑫.

The main radio menu for tuning into a station is displayed. The radio mode functions are controlled in the radio functions menu. You can open the radio functions menu by pressing the **TUN-**

ER button ⑫ in radio mode again. If you are in any other mode, you can open the radio functions menu by pressing the **MENU** button ⑧ followed by the softkey ④ that is assigned to the "TUNE" display item.

RDS function

This unit is equipped with an RDS radio receiver. Some of the receivable FM stations transmit a signal that not only carries the programme but also additional information such as the station name and programme type (PTY). The station name appears in the display if the radio can received it and the RDS function is activated. You can optionally display the programme type. For further details, please read the section entitled "Programme type (PTY)".

Switching the RDS function on/off

To use the RDS function,

⇨ press the **TUNER** button ⑫ in radio mode.

The radio functions menu appears in the display.

⇨ Press the softkey ④ assigned to the "RDS" display item.

"RDS ON" or "RDS OFF" appears briefly in the display.

To return to the main radio menu,

⇨ press the **TUNER** button ⑫ or the joystick **OK** ⑦. The settings are saved.

RADIO MODE

Selecting the waveband / memory bank

This unit can receive programmes broadcast over the FM and AM wavebands. There are four memory banks (FM1, FM2, FM3 and FMT) for the FM waveband and three memory banks (AM1, AM2 and AMT) for the AM waveband. Six stations can be stored in each memory bank.

Selecting the waveband

To select the FM or AM waveband,

⇨ press the **TUNER** button ⑫ in radio mode.

The radio functions menu appears in the display.

⇨ Press the softkey ④ assigned to the "BAND" display item.

⇨ Press the softkey ④ assigned to the "FM" display item for the FM waveband.

⇨ Press the softkey ④ assigned to the "AM" display item for the AM waveband.

The main radio menu for the selected waveband appears.

Selecting the memory bank

To switch between the FM memory banks (FM1, FM2, FM3 and FMT) or AM memory banks (AM1, AM2 and AMT),

⇨ select the required FM or AM waveband.

⇨ Repeatedly press the **NEXT** button ③ until the required memory bank appears in the display.

The memory banks are accessed in the following order: FM1, FM2, FM3, FMT or AM1, AM2, AMT.

Tuning into a station

There are various ways of tuning into a station.

Automatic seek tuning

⇨ Move the joystick ⑦ down or up.

The unit tunes into the next receivable station.

Tuning into stations manually

You can also tune into stations manually.

⇨ Move the joystick ⑦ left or right.

Note:
You can only tune into stations manually on the FM waveband if the RDS function is deactivated.

Setting the sensitivity of station seek tuning

You can choose whether to only tune into stations with a strong reception or to also tune into those with a weak reception.

⇨ press the **TUNER** button ⑫ in radio mode.

The radio functions menu appears in the display.

⇨ Press the **NEXT** button ③.

⇨ Press the softkey ④ assigned to the "SENS" display item.

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The display shows the currently set sensitivity level. "SENS 6" is the highest sensitivity setting and means the tuner can receive distant stations. "SENS 1" is the lowest setting.

⇨ Move the joystick ⑦ up/right or down/left to adjust the sensitivity.

⇨ Press the joystick **OK** ⑦ or the **MENU** button ⑧ to close the menu.

The settings are saved.

Storing stations

Storing stations manually

⇨ Select the required memory bank.

⇨ Tune into the required station as described in the section entitled "Tuning into a station".

⇨ Press one of the six softkeys for longer than two seconds to store the station to that softkey.

Storing stations automatically (Travelstore)

You can automatically store the six stations with the strongest reception 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.

Starting the Travelstore function

⇨ press the **TUNER** button ⑫ in radio mode.

The radio functions menu appears in the display.

⇨ Press the softkey ④ assigned to the "TS" display item.

The station storing procedure begins. "T-STORE" appears in the display. After the process is completed, the station stored in location 1 of the FMT or AMT memory bank will be played.

Listening to stored stations

⇨ Select the memory bank or waveband.

⇨ Press the softkey ④ that is assigned to the name or frequency of the station that you want to listen to.

Programme type (PTY)

Besides transmitting the station name, some FM stations also provide information on the type of programme that they are broadcasting. Your radio can receive and display this information. For example, the programme types can be:

CULTURE	TRAVEL	JAZZ
SPORT	NEWS	POP
ROCK	CLASSICS	

Using the PTY function, you can directly select stations of a particular programme type.

RADIO MODE

Activating PTY

To use the PTY function,

⇨ press the **TUNER** button ⑫ in radio mode.

The radio functions menu appears in the display.

⇨ Press the softkey ④ assigned to the "PTY" display item.

When PTY is activated, the display shows the current programme type. The programme types are displayed alongside the softkeys ④.

Cancelling PTY

To cancel the PTY function,

⇨ Whilst the programme types are being displayed, press the softkey ④ assigned to the "OFF" display item.

Selecting a programme type and starting seek tuning

The PTY menu is made up of several pages on which the known programme types are displayed. To browse through the PTY menu's pages,

⇨ repeatedly press the **NEXT** button ③ until the required programme type appears alongside one of the softkeys.

⇨ Press the softkey ④ assigned to the required programme type.

⇨ Move the joystick ⑦ up/right or down/left to start seek tuning.

The next receivable station corresponding to your selected programme type will then be tuned into. If no station is found

that corresponds to the selected programme type, you will hear a beep and "NO PTY" appears briefly in the display. The radio will then retune to the station that was received last.

Note:

If you want to switch back to the programme types display,

⇨ briefly move the joystick ⑦ in any direction.

Optimising radio reception

Treble reduction feature during interference (HICUT)

The HICUT function improves the sound during poor radio reception. If interference occurs, the treble is automatically reduced thus reducing the interference level.

Activating HICUT

⇨ press the **TUNER** button ⑫ in radio mode.

The first page of the radio functions menu is displayed.

⇨ Press the **NEXT** button ③.

⇨ Press the softkey ④ assigned to the "HCUT" display item.

⇨ Move the joystick ⑦ up/right or down/left to adjust the HiCut.

"HICUT 0" equates to the lowest reduction of the interference level, "HICUT 3" is the highest reduction.

⇨ Press the joystick **OK** ⑦ or the **MENU** button ⑧ to close the menu.

The settings are saved.

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Setting the radiotext display

Some stations use the RDS signal to broadcast scrolling texts known as radiotexts. You can allow radiotexts to be displayed or you can block them.

⇨ press the **TUNER** button ⑫ in radio mode.

The radio functions menu appears in the display.

⇨ Press the **NEXT** button ③.

The "second page" of the radio functions menu is displayed.

⇨ Press the softkey ④ assigned to the "RTXT" display item.

"RTXT ON" or "RTXT OFF" appears briefly in the display.

⇨ Press the **TUNER** button ⑫ or the joystick **OK** ⑦. The settings are saved.

CD mode

You can use this unit to play standard CDs with a diameter of 12 cm.

CD-Rs and CD-RWs (CDs that you have "burned" yourself) can generally also be played. Due to the varying quality of CDs, Blaupunkt cannot guarantee that this will work properly.

To ensure the system functions properly, only use CDs labelled with the compact disc logo. Problems might be experienced when trying to play copy-protected CDs. Blaupunkt cannot guarantee the proper functioning of copy-protected CDs!

⚠ Risk of severe damage to the CD drive!
CD singles with a diameter of 8 cm and non-circular contoured CDs (shape CDs) must not be used.
We accept no liability for any damage to the CD drive that may occur as a result of the use of unsuitable CDs.

Switching to CD mode and inserting a CD

● If there is no CD inserted in the unit yet,

⇨ press the ⬎ button ⑥.

The control panel opens out towards you.

⇨ Insert the CD with the printed side uppermost into the CD compartment.

The CD is drawn into the drive.

You must not hinder or assist the drive as it draws in the CD.

CD MODE

The control panel closes automatically.

The CD menu appears and CD playback begins.

- If a CD is already inserted in the unit,

⇨ keep pressing the **SOURCE** button ⑪ until CD mode is displayed.

The CD menu appears and playback begins from the point at which it was last interrupted.

Removing a CD

⇨ press the ⊾ button ⑥.

The control panel opens out towards you and the CD is ejected.

⇨ Carefully remove the CD.

⇨ Press the ⊾ button ⑥.

The control panel closes.

Selecting tracks

⇨ Move the joystick ⑦ in one direction (up and right for the next track or down and left for the previous track) until the number of the required track appears in the display.

If you press the joystick ⑦ downwards once or to the left once, the current track will be played again from the beginning.

Fast searching (audible)

To fast search backwards or forwards,

⇨ Press and hold the joystick ⑦ in one direction (up and right for forwards or down and left for backwards) until fast searching begins.

Random track play (MIX)

⇨ Press the softkey ④ assigned to the "MIX" display item.

"MIX ON" appears briefly in the display. The next track to be played will be picked at random.

Cancelling MIX

⇨ Press the softkey ④ assigned to the "MIX" display item again.

"MIX OFF" appears briefly in the display.

Repeating tracks (REPEAT)

⇨ Press the softkey ④ assigned to the "RPT" display item.

"REPEAT ON" appears briefly in the display. The track is repeated until you deactivate RPT.

Cancelling REPEAT

⇨ Press the softkey ④ assigned to the "RPT" display item again.

"REPEAT OFF" appears briefly in the display. Normal playback is then resumed.

Displaying CD text

Some CDs include CD text. The CD text may contain the names of the artist, the album and track.

You can allow the CD text to be displayed as scrolling text every time you switch to another track. After the whole CD text has been shown once, the name of the track is displayed. If the inserted CD does not contain any CD text, "NO TEXT" will briefly appear in the display if the CD text feature is activated.

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Activating CD text

⇨ Press the softkey ④ assigned to the "TAG" display item.

Deactivating CD text

⇨ Press the softkey ④ assigned to the "TAG" display item again.

Setting scrolling text

You can display the contents of the main display area as scrolling text.

Activating CD scrolling text

⇨ Press the softkey ④ assigned to the "SCRL" display item.

"SCROLL ON" appears briefly in the display.

Deactivating CD scrolling text

⇨ Press the softkey ④ assigned to the "SCRL" display item again.

"SCROLL OFF" appears briefly in the display.

MP3 mode

You can also use this car radio for playing CD-Rs and CD-RWs containing MP3 music files.

MP3 is a process developed by the Fraunhofer Institute for compressing CD audio data. Compression allows data to be reduced to around 10% of their original size without a noticeable loss in quality (at a bit rate of 128 Kbit/s). If a lower bit rate is used to convert CD audio data to MP3, you can create smaller files but there will be a loss in quality.

Preparing the MP3 CD

The various combinations of CD burners, CD burning software and CD blanks may lead to problems arising with the ability to play certain CDs. If problems occur with your own burned CDs, you should try another brand of CD blank or choose another blank colour. Best results are achieved with CD blanks that provide 74 minutes of playing time.

The format of the CD must be ISO 9660 Level 1 or Level 2 or Joliet. Other formats cannot be played reliably.

Avoid multi-sessions. If you write more than one session to the CD, only the first session will be detected.

You can create a maximum of 127 directories on a CD. Each of these directories can be accessed using this device.

Each directory can contain up to 254 tracks and subdirectories, which can also be accessed. A maximum of 8 levels of directories are allowed.

MP3 MODE

Fig. 1   Fig. 2

```
┌─────┐                      ┌─────┐
│ D01 │                      │ D01 │
└─────┘                      └─────┘
   │                            ├─T001
┌─────┐                         ├─T002
│ D02 │                         ├─T003
└─────┘                         ├─T004
   │                            ├─T005
┌─────┐   ┌─────┐               ├─T006
│ D03 │   │ D04 │               ├─T007
└─────┘   └─────┘               ├─T008
  ├─T001    ├─T001              ├─T009
  ├─T002    ├─T002              ├─T010
  ├─T003    ├─T003              └─T011
  ├─T004    ├─T004
  └─T005    ├─T005
           ├─T006
┌─────┐    ├─T007
│ D05 │    ├─T008
└─────┘    ├─T009
  ├─T001   ├─T010
  ├─T002   └─T011
  ├─T003
  ├─T004
  ├─T005
  ├─T006
  └─T007
```
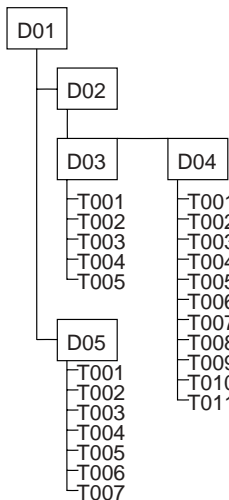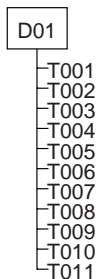
Since using some burner software can lead to inconsistencies in the way items are numbered, you should ensure that the root directory D01 either contains only subdirectories containing tracks (Fig. 1) or only tracks (Fig. 2).

Each track can be named using the PC. The directory name can be displayed in the device's display. Name the directories and tracks using your CD burner software. The software's operating instructions will provide details on how to do this.

Note:
● When naming directories and tracks you should avoid using special characters.

If you like your files to be in the correct order, you should use burner software that places files in alphanumerical order. If your software does not provide this feature, you can also sort the files manually. To do so, you should place a number (e.g. "001", "002", etc.) in front of each file name – the leading zeros must also be included.

MP-3 tracks can contain addition information such as the artist, track and album names (ID3 tags). This device can display ID3 tags if they are version 1.

Only MP3 files with the ".MP3" file extension can be played on this device.

Note:
To ensure uninterrupted playback,

● do not attempt to change the file extension to ".MP3" of any files other than MP3 files and then attempt to play them!

● Do not use "mixed" CDs containing non-MP3 data and MP3 tracks.

● Do not use mix-mode CDs containing audio tracks and MP3 tracks.

Switching to MP3 mode

MP3 mode is activated in the same way as normal CD mode. For further details, please read the section entitled "Switching to CD mode / Inserting a CD" in the "CD mode" chapter.

Selecting a directory

To move up or down to another directory,

⇨ repeatedly press the joystick ⑦ up or down until the number of the re-

MP3 MODE

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quired directory appears in the display alongside "D".

Note:

● Any directories that do not contain MP3 files will be skipped automatically. If, for instance, you are listening to tracks in directory D01 and you select the next directory by pressing the joystick ⑦, directory D02 (which does not contain any MP3 tracks) will be skipped and D03 will be played. The display will then automatically switch from "D02" to "D03".

Selecting tracks

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

⇨ move the joystick ⑦ to the right for the next track or to the left for the previous track until the number of the required track appears in the display.

If you press the joystick ⑦ to the left once, the current track will be played again from the beginning.

Fast searching (audible)

To fast search backwards or forwards,

⇨ press and hold the joystick ⑦ to the left or right until fast searching backwards / forwards begins.

Random track play (MIX)

To play the tracks on the current directory in random order,

⇨ press the softkey ④ assigned to the "MIX" display item.

"MIX DIR" appears in the display.

To play all the tracks on the inserted MP3-CD in random order,

⇨ press the softkey ④ assigned to the "MIX" display item again.

"MIX ALL" appears in the display.

Cancelling MIX

To cancel MIX,

⇨ keep pressing the softkey ④ assigned to the "MIX" display item until "MIX OFF" appears in the display.

Repeating individual tracks or whole directories (REPEAT)

⇨ Press the softkey ④ assigned to the "RPT" display item.

"REPEAT ON" appears briefly in the display.

To repeat the whole directory,

⇨ press the softkey ④ assigned to the "RPT" display item again.

"REPEAT DIR" appears briefly in the display.

Cancelling REPEAT

To stop the current track or current directory from being repeated,

⇨ keep pressing the softkey ④ that is assigned to the "RPT" display item until "REPEAT OFF" appears briefly in the display.

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Setting the display

There are various options available for displaying the name of the artist, track and album (ID3 tag) or the directory and file name:

Displaying the directory name and ID-TAG (artist and track name)

To display the name of the directory and artist, album and title,

⇨ keep pressing the softkey ④ assigned to the "TAG" display item until "TAG ON" appears in the display.

Note:
If you selected "TAG ON", you can briefly display the directory and track number:

⇨ To do so, press the softkey ④ assigned to the "INFO" display item.

Displaying the directory name and file name

To display the directory name and file name,

⇨ keep pressing the softkey ④ assigned to the "TAG" display item until "TAG OFF" appears in the display.

Setting scrolling text

You can choose whether you want the display that you set under "TAG ON/OFF" to appear as scrolling text ("SCROLL ON") or appear non-recurrently ("SCROLL OFF").

Setting SCROLL

⇨ Keep pressing the softkey ④ assigned to the "SCRL" display item until the required setting appears.

Note:
If you selected "SCROLL OFF", you can display the scrolling text non-recurrently:

⇨ To do so, press the softkey ④ assigned to the "INFO" display item.

If you selected "SCROLL ON", you can briefly display the directory and track number:

⇨ To do so, press the softkey ④ assigned to the "INFO" display item.

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MMC mode

You can use this device to play MP3 files from an MMC (**M**ulti**M**edia **C**ard) as used in many portable MP3 players or mobile telephones (e.g. Siemens SL45). You can write MP3 music tracks to the MMCs that you want to use with this device with the help of the Velocity MMC Driver 01 or another MMC read/write device and your PC.

Note:

Please note that when you prepare the MMC, you must observe the directory structure rules as described in the "MP3 mode" chapter. The format of the MMC must be "FAT16".

Inserting/removing an MMC

You can read about how to insert or remove an MMC in the section entitled "Inserting the KeyCard" or "Removing the KeyCard" in the "Theft protection" chapter.

Switching to MMC mode

To start playing an inserted MMC,

⇨ keep pressing the **SOURCE** button ⑪ until MMC mode is displayed.

Note:

All the MP3-mode functions can also be used in MMC mode. For further details, please refer to the chapter entitled "MP3 mode".

CD changer mode (optional)

To find out which CD changers / Compact Drive MP3 can be used with this unit, please refer to the "Accessories" chapter in these instructions or contact your Blaupunkt dealer.

Note:

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

Information on using the Compact Drive MP3 and recording music tracks onto the Compact Drive MP3's Microdrive™ hard disk can be found in the operating instructions supplied with the Compact Drive MP3.

Switching to CD changer mode

⇨ Keep pressing the **SOURCE** button ⑪ until CD changer mode is displayed.

Playback continues from the point at which it was last interrupted. If the magazine was removed from the CD changer and then replaced, the CD magazine will first be scanned, and playback will begin from the first track on the first CD that the CD changer detects.

Selecting CDs

To move up or down to another CD,

⇨ press the softkey ④ assigned to the display item of the CD (CD1 – CD10) that you require. To do so, you might need to switch to the "second page" of the main CD-

CD CHANGER MODE

changer menu using the **NEXT** button ③.

or

⇨ keep pressing the joystick ⑦ up or down until the number of the required CD appears in the display.

Selecting tracks

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

⇨ repeatedly press the joystick ⑦ to the left or right until the number of the required track appears in the display.

If you press the joystick ⑦ once to the left, the current track will be played again from the beginning.

Fast searching (audible)

To fast search backwards or forwards,

⇨ press and hold the joystick ⑦ to the left or right until fast searching backwards / forwards begins.

Repeating individual tracks or whole CDs (REPEAT)

⇨ Press the **MENU** button ⑧.

⇨ Press the softkey ④ assigned to the "CDC" display item.

The CD changer functions menu opens.

⇨ Press the softkey ④ assigned to the "RPT" display item.

"RPT TRCK" appears briefly in the display.

To repeat the whole CD,

⇨ press the softkey ④ assigned to the "RPT" display item again.

"RPT CD" appears briefly in the display.

Cancelling REPEAT

To stop the current track or current CD from being repeated,

⇨ keep pressing the softkey ④ that is assigned to the "RPT" display item until "RPT OFF" appears briefly in the display.

Random track play (MIX)

To play the tracks on the current CD in random order,

⇨ Press the **MENU** button ⑧.

⇨ Press the softkey ④ assigned to the "CDC" display item.

The CD changer functions menu opens.

⇨ Press the softkey ④ assigned to the "MIX" display item.

"MIX CD" appears in the display.

To play the all the tracks on all inserted CDs in random order,

⇨ press the softkey ④ assigned to the "MIX" display item again.

"MIX ALL" appears in the display.

Note:

In the case of the CDC A 02, CDC A 08 and the IDC A 09, all the CDs and all the tracks in the changer are picked randomly. In the case of any other changer, all the tracks on one CD are played randomly first before the next CD in the changer is played.

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Cancelling MIX

To cancel MIX,

⇨ keep pressing the softkey ④ that is assigned to the "MIX" display item until "MIX OFF" appears briefly in the display.

Naming CDs

The car radio allows you to assign names for up to 99 CDs (not with the Compact Drive MP3) so that you can recognise them more easily. The names can be a maximum of eight characters long.

If you try assigning more than 99 names, "FULL" will appear in the display.

Entering / editing CD names

⇨ Listen to the CD that you want to name.

⇨ Press the **MENU** button ⑧.

⇨ Press the softkey ④ assigned to the "CDC" display item.

The CD changer functions menu opens.

⇨ Press the softkey ④ assigned to the "NAME" display item.

You will now enter edit mode. If your chosen CD does not have a name yet, eight underscores will appear in the display. The current input position flashes.

⇨ Move the joystick ⑦ up or down to select the character you want. If you want an empty space, simply select the underscore.

⇨ Move the joystick ⑦ to the left or right to change the input position.

⇨ To save a name, press the softkey ④ assigned to the "NAME" display item.

Deleting a CD name

⇨ Listen to the CD whose name you want to delete.

⇨ Press the **MENU** button ⑧.

⇨ Press the softkey ④ assigned to the "CDC" display item.

⇨ Press the softkey ④ assigned to the "NAME" display item.

You will now enter edit mode. The name of the CD appears in the display and the current input position flashes.

⇨ Move the joystick ⑦ up or down to select the underscore character.

⇨ Move the joystick ⑦ to the left or right to change the input position.

⇨ Insert an underscore at every input position.

⇨ Press the softkey ④ assigned to the "NAME" display item.

The CD name will be deleted.

Deleting all CD names

You can delete all the CD names stored in the unit.

⇨ To delete all the CD names, press the **MENU** button ⑧.

⇨ Press the softkey ④ assigned to the "CDC" display item.

⇨ Press the softkey ④ assigned to the "CLR" display item.

"CDC CLEAR" appears in the display.

The process can take up to 45 seconds depending on how many CD names have been stored.

Note:

This function is not available for the Compact Drive MP3. If you use this function with the Compact Drive MP3, "CDC CLEAR" is displayed for 45 seconds. You will not be able operate the unit whilst this is happening.

CLOCK - Time

Setting the clock

The clock can be set automatically using the RDS signal. You can also set the clock manually if you cannot receive a radio station that supports this feature.

Setting the clock automatically

To set the clock automatically,

⇨ press the **MENU** button ⑧.

⇨ Press the softkey ④ assigned to the "VARI" display item.

⇨ Keep pressing the softkey ④ assigned to the "CSYN" display item until "RDS SYN ON" appears briefly.

"RDS SYN ON" means that the clock is set automatically using the RDS signal.

Setting the clock manually

⇨ To set the time, press the **MENU** button ⑧.

⇨ Press the softkey ④ assigned to the "VARI" display item.

⇨ Press the softkey ④ assigned to the "CSET" display item.

The "CLOCK SET" menu appears.

⇨ Press the softkey ④ assigned to the "HOUR" display item.

The hours flash on and off.

⇨ Adjust the hours using the joystick ⑦.

To adjust the minutes,

⇨ press the softkey ④ assigned to the "MIN" display item.

The minutes flash.

⇨ Adjust the minutes using the joystick ⑦.

⇨ Press the joystick **OK** ⑦ or the **MENU** button ⑧ to close the menu.

The settings are saved.

Displaying the time continuously

You make the time appear continuously in the bottom part of the display.

⇨ Press the **MENU** button ⑧.

⇨ Press the softkey ④ assigned to the "DISP" display item.

⇨ Press the softkey ④ assigned to the "CLK" display item.

"CLOCK ON" means that the clock is displayed in the bottom part of the display.

Equalizer

This unit is equipped with a digital sound calibration feature (DSA – Digital Sound Adjustment). It provides you with three self-calibrating 5-band equalizers and five sound presets.

The EQ1 - EQ3 equalizers can be calibrated automatically with the help of the special calibration microphone (included). The automatically ascertained values can also be adjusted manually.

Furthermore, you can also set the equalizer manually.

The following bands are available:

- SUB LOW EQ   32 - 50 Hz
- LOW EQ   63 - 250 Hz
- MID EQ   315 - 1,250 Hz
- MID/HIGH EQ   1,600 - 6,300 Hz
- HIGH EQ   8,000 - 12,500 Hz

Switching the equalizer on/off

To switch the equalizer on/off,

⇨ press the **DEQ+** button ⑤.

The equalizer menu is displayed.

To activate the equalizer,

⇨ Press the softkey ④ assigned to the "USER" or "PRE" display item and select an equalizer.

To deactivate the equalizer,

⇨ Press the softkey ④ assigned to the "OFF" display item.

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Automatically calibrating the equalizer

You can electronically calibrate and store values for three different situations.

EQ 1 for the driver only
EQ 2 for the driver and front passenger
EQ 3 for the front and rear occupants

Hold the calibration microphone in the appropriate position whilst the calibration is taking place.

The position of the calibration microphone for situation 1 (e.g. for the driver alone) is at the height of the driver's head.

For situation 2, the calibration microphone is between the driver and passenger.

For Situation 3, it is in the middle of the vehicle interior (left/right, front/back).

Really quiet surroundings are required for the calibration. Any extraneous noise will distort the measured values.

Note:
During calibration, the temperature inside the vehicle must not exceed 55 °C since this could lead to falsified measurements.

The sound radiating from the loudspeakers must not be obstructed by any objects. All the loudspeakers must be connected. The microphone must be connected to the unit.

To calibrate an equalizer,

⇨ Press the **DEQ+** button ⑤.

⇨ Press the softkey ④ assigned to the "USER" display item.

⇨ Press the softkey ④ assigned to the display item of the equalizer that you want to configure.

⇨ Press the softkey ④ assigned to the "AUTO" display item.

You will hear a test sound, and calibration takes place.

⇨ Proceed as described for all the equalizers.

Selecting an equalizer

After calibration has taken place or you have finished making manual adjustments,

⇨ press the **DEQ+** button ⑤.

⇨ Press the softkey ④ assigned to the "USER" display item.

⇨ Select one of the equalizers "EQ1", "EQ2" or "EQ3" using the corresponding softkeys ④.

⇨ Press the joystick **OK** ⑦ or the **DEQ+** button ⑤ to close the menu.

The settings are saved.

Selecting sound presets

You can select sound presets for the following music types.

● VOCAL ("VOCL")
● DISCO ("DISC")
● ROCK
● TECHNO ("TECH")
● CLASSIC ("CLAS")

The settings for these music styles have already been programmed.

⇨ Press the **DEQ+** button ⑤.

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⇨ Press the softkey ④ assigned to the "PRE" display item.

⇨ Select one of the presets using the corresponding softkeys ④.

⇨ Press the joystick **OK** ⑦ or the **DEQ+** button ⑤ to close the menu.

The settings are saved.

Manually adjusting the equalizer

Notes on adjusting the settings

We recommend you use a CD or cassette (depending on the car radio's equipment) that you are familiar with for making changes to the settings.

Before adjusting the equalizer, set the sound and volume distribution settings to zero and deactivate X-BASS. For further details, refer to the chapter entitled "Sound and volume distribution settings".

⇨ Listen to a CD or cassette (depending on the car radio's equipment).

⇨ What impression does the sound give you?

⇨ Now read the "Sound impression" column in the table entitled "Help adjusting the equalizer".

⇨ Set the equalizer values as described in the "Measures" column.

Making adjustments

⇨ Press the **DEQ+** button ⑤.

⇨ Press the softkey ④ assigned to the "USER" display item.

⇨ Press the softkey ④ assigned to the display item of the equalizer that you want to configure.

⇨ Press the softkey ④ assigned to the display item of the equalizer band that you want to configure.

To select the frequency,

⇨ press the joystick ⑦ to the left or right.

⇨ Adjust the level for the frequency by pressing the joystick ⑦ up or down.

⇨ Press the joystick **OK** ⑦ or the **DEQ+** button ⑤ to close the menu.

The settings are saved.

EQUALIZER

Help adjusting the equalizer

Sound Impression / problem	Measures
Bass sound is too weak	Increase bass with Frequency: 32 to 160 Hz Level: +4 to +6 dB
Dirty bass Booming sound Unpleasant pressure	Reduce the lower mid level with Frequency: 400 Hz Level: approx. -4 dB
Sound very much in the foreground, aggressive, no stereo effect.	Reduce the mid level with Frequency: 1,000 to 2,500 Hz Level: -4 to -6 dB
Dull sound Little clarity No brilliance to the instruments	Increase treble level with Frequency: 6,300 to 10,000 Hz Level: +2 to +4 dB

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Amplifier / sub-out

The car radio provides connections for connecting external amplifiers. You can also connect a subwoofer to the unit's integrated low-pass filter. In order for this to work, the amplifier and subwoofer must be connected in the manner described in the installation instructions.

We recommend you use well-matched products from the Blaupunkt or Velocity product ranges.

External audio sources

In addition to the CD changer, you can also connect another external audio source equipped with a line output. The audio source can, for example, be a portable CD player, MiniDisc player or MP3 player.

The AUX input must be activated in the setup menu.

If you want to connect an external audio source, you will need an adapter cable. You can obtain this cable from a Blaupunkt dealer.

Switching the AUX input on/off

➪ Press the **MENU** button ⑧.

➪ Press the softkey ④ assigned to the "SETP" display item.

➪ Press the softkey ④ assigned to the "AUX1" or "AUX2" display item for the input that you want to switch on/off.

The AUX menu is displayed.

Note:
If a CD changer is connected, you cannot change the "AUX1" input.

➪ Press the softkey ④ assigned to the "ON" or "OFF" display item to switch the input on/off.

Note:
If the AUX input is switched on it can be selected by pressing the **SOURCE** button ⑪.

SPECIFICATIONS

Specifications

Amplifier

Output power: 4 x 26 watts sine
                  in accordance
                  with DIN 45 324
                  at 14.4 V
                  4 x 50 watts max.
                  power

Tuner

Wavebands:
FM :   87.5 – 107,9 MHz
MW :   530 – 1 710 kHz

FM frequency response:
                  20 - 16,000 Hz

CD

Frequency response:
                  15 - 20,000 Hz

Pre-amp out

4 channels: 4 V / 10 kΩ

AUX input

Input sensitivity: 1.2 V / 10 kΩ

Subject to changes!

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Service numbers / Numéros du service après-vente / Números de servicio / Número de serviço

Country:		Phone:	Fax:	WWW:
Germany	(D)	0180-5000225	05121-49 4002	http://www.blaupunkt.com
Austria	(A)	01-610 390	01-610 393 91	
Belgium	(B)	02-525 5454	02-525 5263	
Denmark	(DK)	44 898 360	44-898 644	
Finland	(FIN)	09-435 991	09-435 99236	
France	(F)	01-4010 7007	01-4010 7320	
Great Britain	(GB)	01-89583 8880	01-89583 8394	
Greece	(GR)	0800-550 6550	01-576 9473	
Ireland	(IRL)	01-4149400	01-4598830	
Italy	(I)	02-369 6331	02-369 6464	
Luxembourg	(L)	40 4078	40 2085	
Netherland	(NL)	023-565 6348	023-565 6331	
Norway	(N)	66-817 000	66-817 157	
Portugal	(P)	01-2185 00144	01-2185 11111	
Spain	(E)	902-120234	916-467952	
Sweden	(S)	08-7501500	08-7501810	
Switzerland	(CH)	01-8471644	01-8471650	
Czech. Rep.	(CZ)	02-6130 0441	02-6130 0514	
Hungary	(H)	01-333 9575	01-324 8756	
Poland	(PL)	0800-118922	022-8771260	
Turkey	(TR)	0212-3350677	0212-3460040	
USA	(USA)	800-2662528	708-6817188	
Brasil (Mercosur)	(BR)	+55-19 3745 2769	+55-19 3745 2773	
Malaysia (Asia Pacific)	(MAL)	+604-6382 474	+604-6413 640	

Blaupunkt GmbH

CE

Los Angeles MP72
Toronto MP73

US version

Installation instructions
Notice de montage
Instrucciones de instalación
Instruções de montagem

http://www.blaupunkt.com

BLAUPUNKT

Installation instructions • Notice de montage • Instrucciones de instalación • Instruções de montagem

ⓖ ⚠ 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 mm^2.

- **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.

ⓕ ⚠ 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 mm^2.

- **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 déclinerons toute responsabilité en cas de dommages causés par des erreurs de montage ou de connexion et en cas de dommages consécutifs.
  Si les indications décrites ici ne s'appliquent au montage que vous voulez effectuer, adressez-vous à votre revendeur Blaupunkt, votre constructeur automobile ou notre service d'assistance téléphonique.

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Ⓔ ⚠ Normas de seguridad

Durante el montaje y la conexión es imprescindible observar las siguientes normas de seguridad.

- Desemborne el polo negativo de la batería. Observe las normas de seguridad dadas por el fabricante del vehículo.

- Al perforar agujeros, asegúrese de no dañar ninguna pieza del vehículo.

- La sección transversal del cable positivo y del cable negativo no debe ser menor de 1,5 mm².

- **¡No conecte a la radio los conectores ubicados en el vehículo!**

- Los cables adaptadores necesarios para su vehículo los encontrará en el comercio especializado en artículos de la marca BLAU-PUNKT.

- Dependiendo del modelo, es posible que su vehículo varíe un poco con respecto a la descripción aquí dada. Tenga en cuenta que no asumimos ninguna responsabilidad por los daños debidos a un montaje o conexión incorrectos ni por los daños resultantes.
Si las instrucciones aquí dadas no son aptas para el montaje en su vehículo, póngase en contacto con su proveedor de artículos Blaupunkt o con el fabricante del vehículo, o llame a nuestro teléfono de atención al cliente.

## Ⓟ ⚠ Instruções de segurança

Durante a montagem e a ligação do aparelho, queira respeitar as seguintes instruções de segurança.

- Separar o pólo negativo da bateria ! Respeitar ao mesmo tempo as instruções de segurança do fabricante do automóvel.

- Quando se procede à furagem de buracos, prestar atenção para não serem danificadas quaisquer partes do veículo.

- As secções transversais dos cabos positivo e negativo não devem ser inferiores a 1,5 mm².

- **Não ligar as fichas existentes do lado do automóvel ao auto-rádio!**

- Os cabos adaptadores necessários para o seu automóvel podem ser adquiridos nos revendedores da BLAUPUNKT.

- O seu veículo pode divergir desta descrição em função do modelo. Não assumimos qualquer responsabilidade por erros de montagem ou de ligação nem por danos daí decorrentes.
Caso as presentes instruções não sejam adequadas para a montagem no seu veículo, dirija-se ao revendedor da Blaupunkt, ao fabricante do seu veículo ou à nossa linha verde.
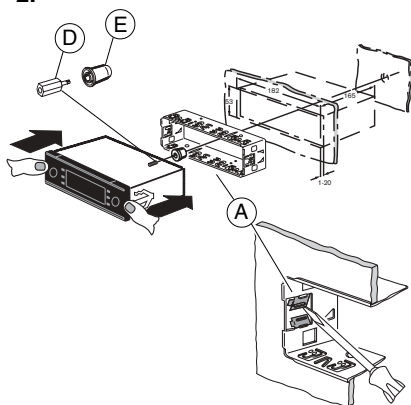
Supplied Mounting Hardware

Materiel de montage fourni

Ferretería de montaje suministrada
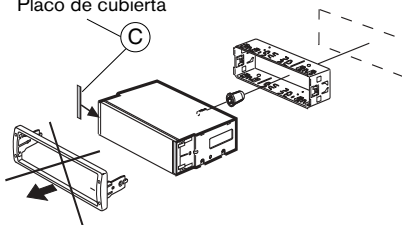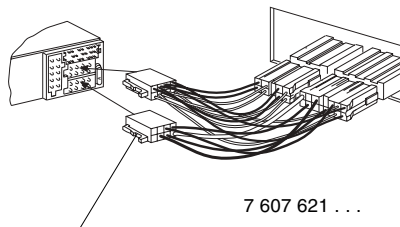
Elementos de fixação fornecidos.
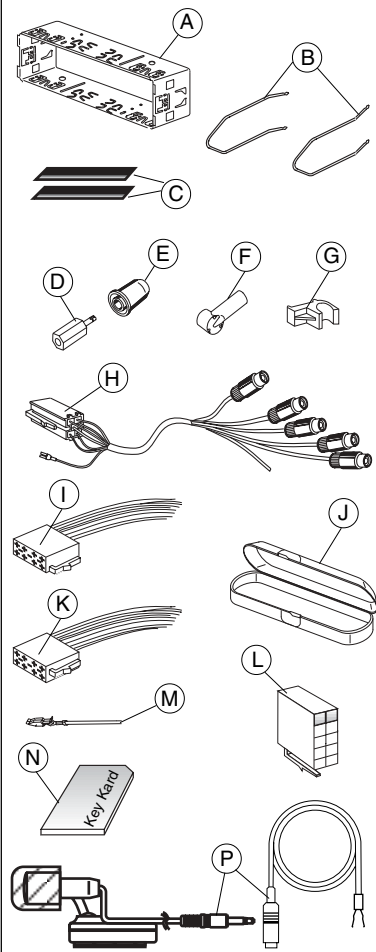
1.
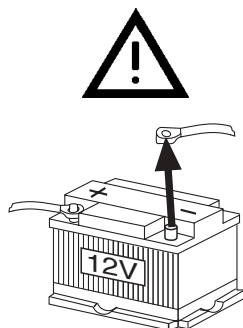
2.

Cover plate
Remboursement
Placo de cubierta

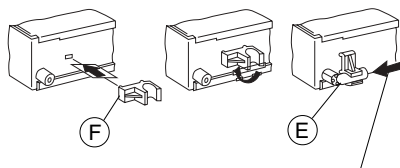● BLAUPUNKT

3.

7 607 621 . . .

Car-specific adapter cable which is available at your dealer.

Câble adaptateur spécifique au véhicule, disponible dans le commerce.

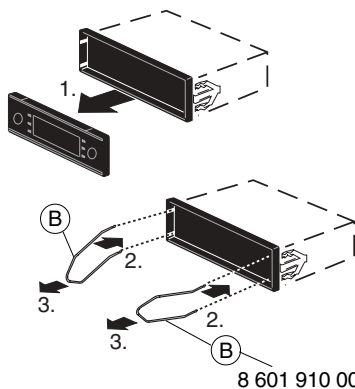Adaptador específico del vehículo, el cual se puede adquirir en el comercio especializado.

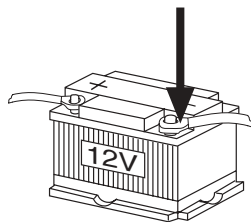Cabo de adaptação específico do automóvel que pode ser adquirido no comércio especializado.
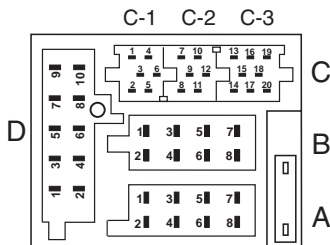
4.

Antenna
Antenne
Antena

5. uninstalling,

8 601 910 003

6.

7.

C-1   C-2   C-3

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

Sum
Somme
El Zumbid   400 mA
Zumbam

A		B	
1	Automatic Sound	1	Speaker out RR+
2	Radio Mute	2	Speaker out RR-
3	Sub out	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	Ground	8	Speaker out LR-

D	
1	AUX 2- NF L
2	AUX 2- NF R
3	AUX 2- REF
4	Ext. Displ. Dat.
5	Ext. Displ. Clock
6	NC
7	NC
8	NC
9	MIC GND
10	MIC INPUT

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

Equalizer   Amplifier
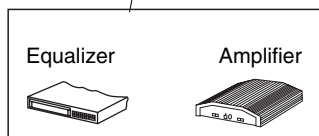
Remote
Control

Telefon NF in

CD-Changer

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8.

Sub Out

* 12V

**

Amplifier

4 Ohm
4 Ohm
4 Ohm
4 Ohm

Kl. 15 +12V

Automatic Sound

8 600 360 165

8 604 492 640
Radio Mute (low)

** Sub Out
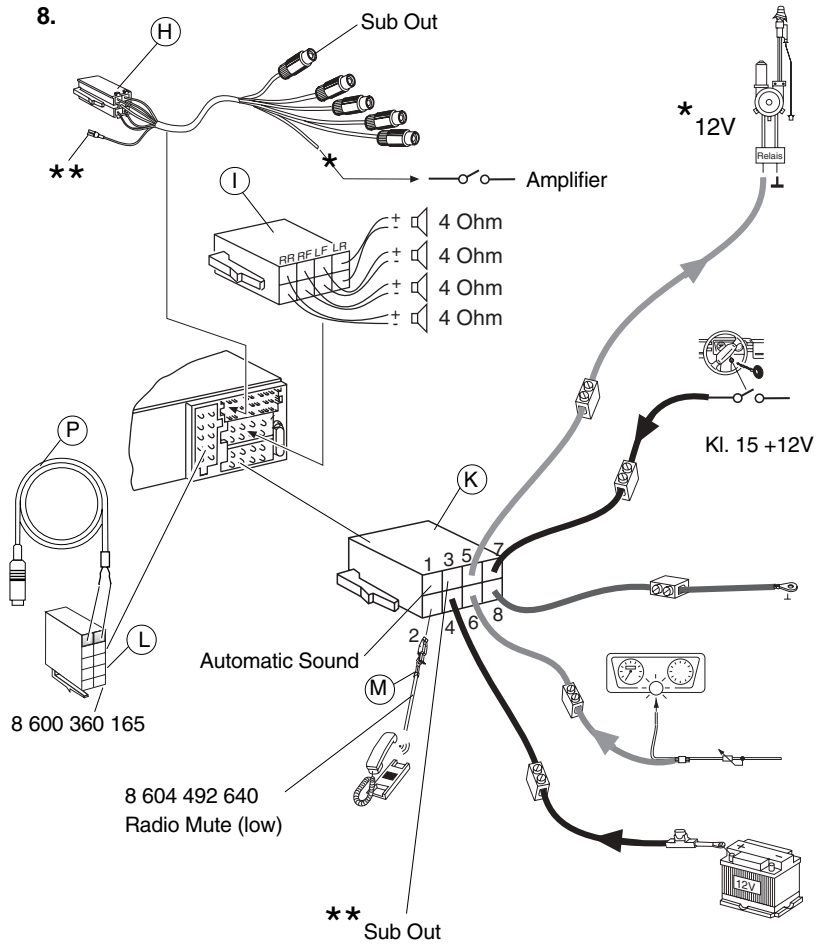
This information is subject to change without notice!
Sous réserve de modifications!
Modificaciones reservadas!
Sob reserva de alterações!

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

Sum	
Somme	400 mA
El Zumbid	
Zumbam	

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