

Radio / Cassette

**Boston C31**  
**Dresden C31**  
**Dublin C31**  
**Cleveland DJ31**  
**Madison DJ31**

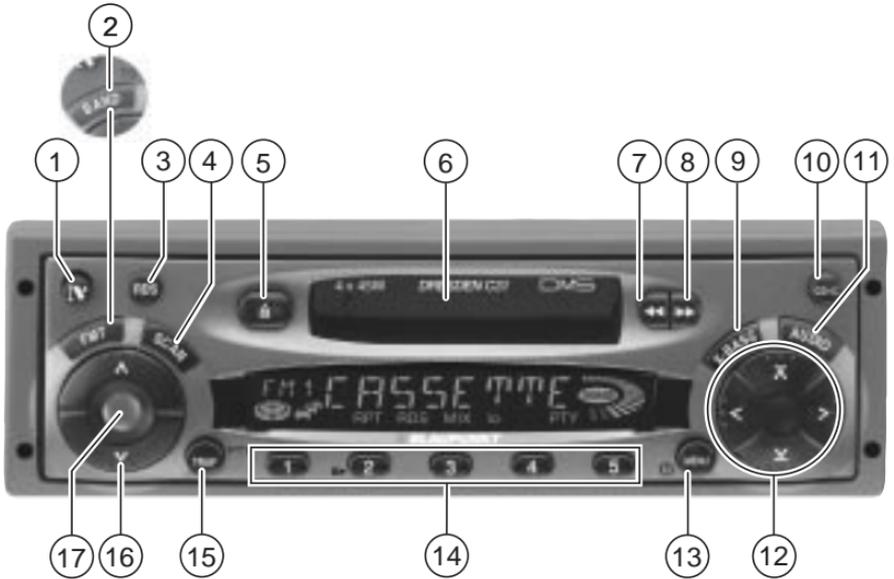
Operating instructions



 **BLAUPUNKT**

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- ① **[V]** Button, to unlock the removable control panel (release panel)
- ② **BAND** button (Band), to switch to radio mode,  
to select the FM memory levels and the MW and LW frequency ranges (MW and LW are not available on the Dresden C31 and Cleveland DJ31)  
**TS**, to start the Travelstore function  
**FMT** button (Dresden C31 and Cleveland DJ31), to select the FM memory levels,  
to switch to radio mode,  
to start the Travelstore function.
- ③ **RDS** button, to switch the RDS function on/off (Radio Data System).  
To display scrolling text.
- ④ **SCAN** button, to start the scan function.
- ⑤ Cassette eject
- ⑥ Cassette compartment
- ⑦ **◀◀** button, fast winding
- ⑧ **▶▶** button, fast winding
- ⑨ **X-BASS** button, to activate the X-Bass function.
- ⑩ **CD•C** button, to select radio, cassette, CD changer (if connected) and AUX sources
- ⑪ **AUDIO** button, to adjust the bass, treble, balance and fader settings.
- ⑫ Arrow buttons
- ⑬ **MENU** button, to open the basic settings menu,  
**⌚**, to display the time
- ⑭ Keys **1 - 5**
- ⑮ **TRAF** button (traffic), to switch traffic information standby on/off  
**PTY**, to switch the PTY function on/off
- ⑯ Volume control  
**▲**, to increase the volume  
**▼**, to decrease the volume
- ⑰ Button to switch the unit on/off, to mute the volume

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

Before using the device for the first time, please read these instructions carefully. 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 unit please contact your dealer or the telephone hotline for your country. You will find the hotline telephone numbers printed at the back of this booklet.

## Road safety

 Road safety has absolute priority. Only operate your car radio if the road and traffic conditions allow you to do so. Familiarise yourself with the unit 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 to a reasonable level.

## 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 optional RC08 or RC10 remote controls allow you to safely and conveniently access the most important functions of your car radio from your steering wheel.

### **CD changer**

You can connect the following Blaupunkt CD changers:

CDC A 06, CDC A 08, CDC A 072 and IDC A 09.

You can also connect the CDC A 05 and CDC A 071 CD changers by using an adapter cable (Blaupunkt no.: 7 607 889 093).

The CDC A 08 CD changer is supplied with the Cleveland DJ31 and the Madison DJ31.

## International telephone information

If you have any questions regarding the operation of your car radio or if you require further information, please do not hesitate to call us!

The information hotline numbers are printed on the last page of these instructions.

# REMOVABLE CONTROL PANEL

## Removable control panel

### Theft protection

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

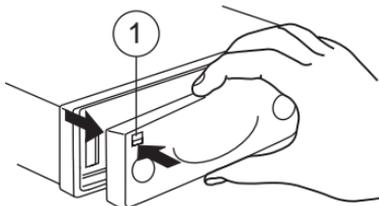
Protect your car radio against theft by taking the control panel with you every time you leave your vehicle. Do not leave the control panel in your vehicle - not even in a hiding place.

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.
- Avoid making direct skin contact with the control panel's contacts. If necessary, clean the contacts with a lint-free cloth soaked in cleaning spirits.

### Removing the control panel



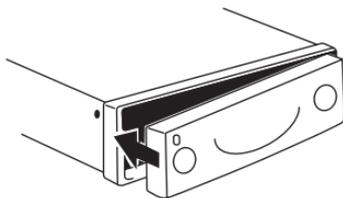
- ⇨ Press the **[V]** button ①.

The control panel locking 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 cassette already inserted in the unit remains there.

### Attaching the control panel

- ⇨ Slide the control panel from left to right into the unit's panel locking mechanism.
- ⇨ 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 unit was still switched on when you removed the control panel, the unit will automatically switch on with the last settings activated (i.e. radio, cassette, CD changer, or AUX) when the panel is replaced.

## Switching on/off

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

### Switching on/off using the vehicle ignition

If the unit is correctly connected to the vehicle's ignition and it was not switched off using button (17), it will switch on/off simultaneously with the ignition.

You can also switch the unit on even if the ignition is off:

⇒ To do so, press button (17).

#### Note:

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

### Switching on/off using the removable control panel

⇒ Remove the control panel.

The unit switches off.

⇒ Attach the control panel again.

The unit switches on. The settings (radio, cassette, CD changer or AUX) that were set before the unit was switched off will be reactivated.

### Switching on/off using button (17)

⇒ To switch the unit on, press button (17).

⇒ To switch the unit off, press button (17) for longer than two seconds.

The unit switches off.

### Switching on by inserting a cassette

If the unit is switched off and there is no cassette inserted in the drive,

⇒ Gently insert the cassette with the open side facing towards the right into the drive until you feel some resistance.

The cassette will be drawn automatically into the drive.

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

The unit switches on. Cassette playback begins.

# ADJUSTING THE VOLUME

## Adjusting the volume

The system volume can be adjusted in steps from 0 (off) to 66 (maximum).

To increase the system volume,

⇒ press the **▲** button (16).

To decrease the system volume,

⇒ press the **▼** button (16).

## Setting the power-on volume

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

⇒ Press the **MENU** button (13).

⇒ Keep pressing the **↔** or **↕** button (12) until "ON VOL" appears in the display.

⇒ Set the power-on volume using the **<** and **>** buttons (12).

To help you adjust the volume more easily, the volume will be increased / decreased as you make your changes.

If you change the setting to "0", the power-on volume will be the same as the volume level that was set before the unit was last switched off.

### Note:

- To protect your hearing, the power-on volume is limited to a value of "38". If the volume level was higher when the unit was switched off, the volume will be reset to "38" when the unit is switched on again.

When you have finished making your changes,

⇒ press the **MENU** button (13) twice.

## Instantaneous volume reduction (mute)

This feature allows you to instantaneously reduce (mute) the volume to a level preset by you.

⇒ Briefly press button (17).

"MUTE" appears in the display.

## Setting the mute level

You can set the unit's mute volume level.

⇒ Press the **MENU** button (13).

⇒ Keep pressing the **↔** or **↕** button (12) until "MUTE LVL" appears in the display.

⇒ Set the mute level using the **<** and **>** buttons (12).

When you have finished making your changes,

⇒ press the **MENU** button (13).

## Mute during telephone operation

If your car audio system has been equipped with a mobile telephone, it will automatically switch to mute when you use the phone. This will not work unless the mobile phone is connected to the car audio system as described in the installation instructions.

The car audio system will be muted to the mute level selected.

## Configuring the confirmation beep

For some functions you will hear a confirmation beep if you keep a button pressed for longer than two seconds. For instance, after storing a radio station to a station button you will hear a confirmation beep. You can configure the beep.

- ⇒ Press the **MENU** button (13).
- ⇒ Keep pressing the **√** or **⏏** button (12) until “BEEP OFF” or “BEEP ON” appears in the display.

“BEEP OFF” means that the confirmation beep is switched off, “BEEP ON” means that it is switched on.

- ⇒ Make your selection using the **<** or **>** button (12).

When you have finished making your changes,

- ⇒ press the **MENU** button (13).

# RADIO MODE

## Radio mode

This unit is equipped with an RDS radio receiver. Many 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 as soon as it is received.

### Switching to radio mode

If you are in cassette, CD changer or AUX mode,

- ⇨ press the **BAND (TS)** button (2) or **FMT** button (2).

"RADIO" appears in the display.

### RDS functions (AF, REG)

The RDS functions AF (Alternative Frequency) and REG (Regional) extend your radio's range of functions.

- AF: If the RDS function is activated, the unit automatically tunes into the best receivable frequency for the station that is currently set.
- REG: At certain times, some radio stations divide their programme into regional programmes providing different regional content. You can use the REG function to prevent the car radio from switching to alternative frequencies that are transmitting different programme content.

#### **Note:**

- REG must be separately activated/deactivated in the menu.

### Switching REG on/off

- ⇨ Press the **MENU** button (13).
- ⇨ Keep pressing the **▼** or **▲** button (12) until "REG" appears in the display. "OFF" or "ON" is displayed alongside "REG".
- ⇨ To switch REG on/off, press the **<** or **>** button (12).

When you have finished making your changes,

- ⇨ press the **MENU** button (13).

### Switching the RDS function on/off

- ⇨ To use the RDS functions (AF and REG), press the **RDS** button (3).

The RDS functions are active when "RDS" lights up in the display with a symbol. When the RDS functions are switched on, "REG ON" or "REG OFF" appears briefly in the display.

### Selecting the frequency range / memory

This unit can receive programmes broadcast over the FM, MW and LW frequency ranges.

#### **Note:**

- Only FM is available on the Dresden C31 and Cleveland DJ31.

There are three preset memory levels for the FM range and one for each of the MW and LW ranges (only FM1, FM2 and FMT in the case of the Dresden C31 and Cleveland DJ31 units). Five stations can be stored on each memory level.

- ⇨ Briefly press the **BAND (TS)** button (2) or the **FMT** button (2) to switch between the memory levels and frequency ranges.

## Tuning into a station

There are various ways of tuning into a station.

### **Automatic seek tuning**

- ⇨ Press the **∨** or **∧** button (12).

The unit tunes into the next receivable station.

### **Tuning into stations manually**

You can also tune into stations manually.

- ⇨ Press the **<** or **>** button (12).

#### **Note:**

- You can only tune into stations manually if the RDS function is deactivated.

### **Browsing through broadcasting networks (only FM)**

If a radio station provides several programmes, you have the option of browsing through its so-called "broadcasting network".

- ⇨ Press the **<** or **>** button (12) to move to the next station on the broadcasting network.

#### **Note:**

- The RDS function must be activated before you can use this feature.

When using this feature, you will only be able to switch to stations that you have received once already. To do so, use the scan or Travelstore function.

## Setting the sensitivity of the station search mode

You can configure the radio to only tune into stations with a strong reception or to also tune into those with a weak reception.

- ⇨ Press the **MENU** button (13).
- ⇨ Keep pressing the **∨** or **∧** button (12) until "SENS HI" or "SENS LO" appears in the display.

The display shows the currently set value for sensitivity. "SENS HI6" means that the tuner is highly sensitive. "SENS LO1" means it is set to the lowest sensitivity setting.

If "SENS LO" is selected, "lo" lights up in the display.

- ⇨ Set the required sensitivity using the **<** and **>** buttons (12).

When you have finished making your changes,

- ⇨ press the **MENU** button (13).

## Storing stations

### **Storing stations manually**

- ⇨ Select the required FM1 / FM2 / FMT memory or one of the MW / LW frequency ranges (only FM in the case of the Dresden C31 and Cleveland DJ31 units).
- ⇨ Tune into the required station.

# RADIO MODE

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- ⇨ Press one of the station buttons **1 - 5** (14) for longer than two seconds to store the station to that button.

## Storing stations automatically (Travelstore)

You can automatically store the five stations with the strongest reception in the region (only for FM). The stations are stored in the FMT memory.

### **Note:**

- Stations that were previously stored in this memory are deleted in the process.
- ⇨ Keep the **BAND (TS)** button (2) or **FMT** button (2) pressed for longer than two seconds.

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

## Listening to preset stations

- ⇨ Select the memory or the frequency range.
- ⇨ Press the preset station button **1 - 5** (14) of the station you want to listen to.

## Scanning receivable stations (SCAN)

You can briefly play all the receivable stations. You can set the scanning time to between 5 and 30 seconds in the menu.

## **Starting SCAN**

- ⇨ Press the **SCAN** button (4).

Scanning begins. "SCAN" briefly appears in the display followed by a flashing display of the current station name or frequency.

## **Stopping SCAN and continuing listening to a station**

- ⇨ Press the **SCAN** button (4).

Scanning is stopped and the station that was tuned into last will remain active.

## Setting the scantime

- ⇨ Press the **MENU** button (13).
- ⇨ Keep pressing the **∨** or **∧** button (12) until "SCANTIME" appears in the display.
- ⇨ Set the required scantime using the **<** and **>** buttons (12).

When you have finished making your changes,

- ⇨ press the **MENU** button (13) twice.

### **Note:**

- The set scantime also applies to scanning in CD changer mode.

## 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.

## PTY-EON

If you specify the programme type and start seek tuning, the radio will switch from the current station to a station of the selected programme type.

### Note:

- 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 station that was listened to last will then be tuned into again.
- If the tuned radio station or another station on the broadcasting network broadcasts the required programme type at a later point in time, the radio automatically switches from the currently tuned station or from cassette / CD changer mode to the station whose programme type matches the one you selected.

## Switching PTY on/off

- ⇒ Keep the **TRAF (PTY)** button (15) pressed until "PTY" appears in or disappears from the display.

The programme type appears briefly in the display when you switch PTY on.

## Selecting a programme type and starting seek tuning

- ⇒ Press the **<** or **>** button (12).

The current programme type appears in the display.

- ⇒ If you want to select another programme type, you can do so by pressing the **<** or **>** button (12) whilst this display is visible.

### Or

- ⇒ Press one of the buttons **1 - 5** (14) to select a programme type that is stored on one of these buttons.

The selected programme type is displayed briefly.

- ⇒ Press the **√** or **∧** button (12) to start seek tuning.

The next station corresponding to your selected programme type will then be tuned into.

## Storing a programme type on a station button

- ⇒ Select a programme type using the **<** or **>** button (12).
- ⇒ Keep the required station button **1 - 5** (14) pressed for longer than two seconds.

The programme type is now stored on the station button **1 - 5** (14) that you selected.

# RADIO MODE

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## Selecting the PTY language

You can set the language in which the programme type is displayed.

- ⇨ Press the **MENU** button (13).
- ⇨ Keep pressing the **√** or **⏏** button (12) until "PTY LANG" appears in the display.
- ⇨ Press the **<** or **>** button (12) to switch between German, English and French.

When the required language appears in the display,

- ⇨ press the **MENU** button (13) twice.

## Optimising radio reception

### Treble reduction feature during interference (HICUT)

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

### Switching HICUT on/off

- ⇨ Press the **MENU** button (13).
- ⇨ Keep pressing the **√** or **⏏** button (12) until "HICUT" appears in the display.
- ⇨ Press the **<** or **>** button (12) to set HICUT.

"HICUT 0" means no reduction will be made, "HICUT 1" means a maximum automatic reduction of the treble level and interference level.

When you have finished making your changes,

- ⇨ press the **MENU** button (13).

## Displaying scrolling text

Some radio stations use the RDS signal to transmit advertising or other information instead of their station name. These scrolling texts appear in the display. You can deactivate the feature for displaying scrolling texts.

- ⇨ Keep the **RDS** button (3) pressed until "NAME FIX" appears in the display.

To allow scrolling text to be displayed again,

- ⇨ keep the **RDS** button (3) pressed until "NAME VAR" appears in the display.

## Traffic information reception

Your radio unit is equipped with an RDS-EON receiver. EON stands for **E**nanced **O**ther **N**etwork.

Every time a traffic announcement (TA) is transmitted, you will automatically be switched from a station that does not provide traffic information to a station within the broadcasting network that does.

Once the traffic information message is over, you will be switched back to the programme that you were listening to before.

### Switching traffic information priority on/off

⇨ Press the **TRAF** button (15).

Traffic announcement priority is active when a traffic jam symbol lights up in the display.

#### **Note:**

You will hear a warning sound

- if you leave the reception area of a traffic information station that you are currently listening to.
- if, while listening to a cassette, a CD or an AUX source, you leave the reception area of a traffic information station that you are tuned into and the subsequent automatic search cannot find a new traffic information station.
- if you retune the radio from a traffic information station to a station that does not broadcast traffic information.

If you hear the warning sound, you can either switch off traffic information priority or tune into a station that broadcasts traffic information.

### Setting the traffic announcement volume

⇨ Press the **MENU** button (13).

⇨ Keep pressing the **∨** or **∧** button (12) until "TAVOLUME" appears in the display.

⇨ Set the volume using the **<** and **>** buttons (12).

When you have finished making your changes,

⇨ press the **MENU** button (13) twice.

#### **Note:**

- You can also adjust the volume during a traffic announcement for the duration of the announcement by using the volume control (16).

# CASSETTE MODE

## Cassette mode

### Cassette Play

- If there is no cassette in the device
- ⇒ Insert the cassette into the cassette slot with the open side to the right.

The cassette symbol shows in the display.

Cassette playback begins with the side of the cassette that was played before the last time a cassette was ejected. This can be side A or B.

- If there is already a cassette in the device
- ⇒ Press the **CD•C** button (10) until "CASSETTE" appears in the display.

The cassette is played in whichever direction was last selected.

### Changing Direction of Play

- ⇒ Press buttons **◀◀** (7) and **▶▶** (8) at the same time.

The other side of the tape starts playing. At the end of the tape, the direction of play is automatically reversed (auto-reverse).

### Fast Winding

#### Fast forward

- To fast forward Side A
- ⇒ Press the **▶▶** button (8) until it locks.
- To fast forward Side B
- ⇒ Press the **◀◀** button (7) until it locks.

"FORWARD" appears in the display.

#### Fast rewind

- To rewind Side A
- ⇒ Press the **◀◀** button (7) until it locks.
- To rewind Side B
- ⇒ Press the **▶▶** button (8) until it locks.

"REWIND" appears in the display.

### Stopping fast winding

- ⇒ Press the opposite fast wind button.

Play continues.

### Switching Radio Monitor On / Off

While the tape is being fast wound, the last radio station tuned in can be listened to. This requires the "Radio monitor" function to be switched on.

- ⇒ Press the **MENU** button (13).

"MENU" appears in the display.

- ⇒ Press the **∨** or **∧** button (12) until "RM ON" or "RM OFF" appears in the display.

- ⇒ Press the **<** or **>** button (12) to switch the radio monitor on or off.

- ⇒ Press the **MENU** button (13).

#### Note:

- The radiomonitor can only be set if a cassette is being played.

## Cassette Ejection

- ⇒ Press the  button (5) to remove the cassette from the device.

## **CD changer mode**

### **Note:**

- Information on 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

- ⇒ Keep pressing the **CD•C** button (10) until “CHANGER” appears in the display.

Playback begins with the first CD that the CD changer detects.

## Selecting a CD

To move up/down from one CD to another,

- ⇒ press the **↕** or **↗** button (12) once or several times.

## Selecting tracks

To move up/down from one track to another on the current CD,

- ⇒ press the **>** or **<** button (12) once or several times.

## Quick track selection

To quickly select tracks backwards or forwards,

- ⇒ keep one of the **↕** / **↗** buttons (12) pressed until fast reverse / forward track selection begins.

## CD CHANGER MODE

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### Fast searching (audible)

To fast search backwards or forwards,

- ⇨ keep one of the <> buttons (12) pressed until fast reversing / forwarding begins.

### Repeating individual tracks or whole CDs (REPEAT)

If you wish to repeat the current track,

- ⇨ briefly press button **3 (RPT)** (14).

“RPT TRCK” appears briefly and RPT lights up in the display.

If you wish to repeat the current CD,

- ⇨ press button **3 (RPT)** (14) again.

“RPT DISC” appears briefly and RPT lights up in the display.

### Cancelling the repeat function

If you want to stop the repeat function for the current track or CD,

- ⇨ press button **3 (RPT)** (14) until “RPT OFF” appears briefly in the display and RPT disappears.

### Random play (MIX)

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

- ⇨ briefly press button **4 (MIX)** (14).

“MIX CD” appears briefly and MIX lights up in the display.

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

- ⇨ press button **4 (MIX)** (14) again.

“MIX ALL” appears briefly and MIX lights up in the display.

### **Note:**

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

### Stopping MIX

- ⇨ Press button **4 (MIX)** (14) until “MIX OFF” appears briefly in the display and MIX disappears.

### Scanning all tracks on all CDs (SCAN)

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

- ⇨ press the **SCAN** button (4).

“SCAN” appears in the display.

### Stopping SCAN

- ⇨ To stop scanning, press the **SCAN** button (4) again.

The current track will then continue to be played.

### **Note:**

- You can set the scantime. For further details, please read the section entitled “Setting scantime” in the “Radio mode” chapter.

Pausing playback (PAUSE)

⇨ Press button 2 (⏸) ⑭.

“PAUSE” appears in the display.

Cancelling pause

⇨ Press button 2 (⏸) ⑭ while in pause mode.

Playback is continued.

Changing the display

To switch between the track number / CD number display and the track number / playing time display,

⇨ press the **MENU** button ⑬.

⇨ Keep pressing the **∨** or **∧** button ⑫ until “CDC DISP” appears in the display.

⇨ Press the **>** button ⑫.

The current setting is displayed. “TIME” for the playing time display and “CD NO” for the CD number display.

⇨ Press the **<** button ⑫ to select the required setting.

⇨ Press the **MENU** button ⑬ twice.

**CLOCK - Time**Briefly displaying the time

To display the time,

⇨ keep the **MENU** (Ⓞ) button ⑬ pressed until the time appears.

Setting the timeSetting the time manually

To set the time,

⇨ press the **MENU** button ⑬.

⇨ Keep pressing the **∨** or **∧** button ⑫ until “CLOCKSET” appears in the display.

⇨ Press the **>** button ⑫.

The time appears in the display. The minutes flash on and off and can be adjusted.

⇨ Adjust the minutes using the **∨∧** buttons ⑫.

Once you have set the minutes,

⇨ press the **<** button ⑫.

The hours flash on and off.

⇨ Adjust the hours using the **∨∧** buttons ⑫.

When you have finished making your changes,

⇨ press the **MENU** button ⑬ twice.

## CLOCK - TIME

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### Selecting 12/24-hour clock mode

- ⇒ Press the **MENU** button (13).
- ⇒ Keep pressing the **↵** or **↶** button (12) until "24 H MODE" or "12 H MODE" appears in the display.
- ⇒ Press the **<** or **>** button (12) to switch between the modes.

When you have finished making your changes,

- ⇒ press the **MENU** button (13) twice.

### Displaying the time continuously when the unit is off and the ignition is on

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

- ⇒ press the **MENU** button (13).
- ⇒ Keep pressing the **↵** or **↶** button (12) until "CLOCK OFF" or "CLOCK ON" appears in the display.
- ⇒ Press the **<** or **>** button (12) to switch between the ON/OFF settings.

When you have finished making your changes,

- ⇒ press the **MENU** button (13) twice.

### Briefly displaying the time when the unit is switched off

To briefly display the time when the unit is off,

- ⇒ press the **MENU** (⏻) button (13).

The time is displayed for eight seconds.

# SOUND AND VOLUME DISTRIBUTION SETTINGS

## Sound and volume distribution settings

You can adjust the sound and volume distribution settings separately for each source (radio, cassette, CD changer and AUX).

### Adjusting the bass settings

To adjust the bass,

- ⇨ press the **AUDIO** button (11).

“BASS” appears in the display.

- ⇨ Press the **▼** or **▲** button (12) to adjust the bass.

When you have finished making your changes,

- ⇨ press the **AUDIO** button (11).

### Adjusting the treble settings

To adjust the treble,

- ⇨ press the **AUDIO** button (11).

“BASS” appears in the display.

- ⇨ Keep pressing the **➤** button (12) until “TREB” appears in the display.
- ⇨ Press the **▼** or **▲** button (12) to adjust the treble.

When you have finished making your changes,

- ⇨ press the **AUDIO** button (11).

### Setting the left/right volume distribution (balance)

To adjust the left/right volume distribution (balance),

- ⇨ press the **AUDIO** button (11).

“BASS” appears in the display.

- ⇨ Keep pressing the **➤** button (12) until “BAL” appears in the display.
- ⇨ Press the **▼** or **▲** button (12) to adjust the balance (right/left).

When you have finished making your changes,

- ⇨ press the **AUDIO** button (11).

### Setting the front/back volume distribution (fader)

To adjust the front/back volume distribution (fader),

- ⇨ press the **AUDIO** button (11).

“BASS” appears in the display.

- ⇨ Keep pressing the **➤** button (12) until “FADER” appears in the display.
- ⇨ Press the **▼** or **▲** button (12) to adjust the fader (front/back).

When you have finished making your changes,

- ⇨ press the **AUDIO** button (11).

### X-BASS

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

#### Note:

- You can adjust the X-bass settings separately for each audio source (radio, cassette, CD changer and AUX).

#### Adjusting the X-BASS boost settings

The X-BASS boost can be set in steps ranging from 1 to 3.

"X-BASS OFF" means that the X-BASS feature is switched off.

- ⇒ Press the **X-BASS** button (9).
- ⇒ Keep pressing the **</>** or **↵/↵** button (12) until the required setting appears in the display.

If the X-BASS boost is set to a value of 1, 2 or 3, the X-BASS symbol appears in the display.

When you have finished making your changes,

- ⇒ press the **X-BASS** button (9).

### External audio sources

**Instead** of connecting a CD changer, you can connect another audio source equipped with a line output. The audio source, for example, can be a portable CD player, MiniDisc player or MP3 player.

The AUX input must be activated in the menu.

If you want to connect an external audio source, you will need an adapter cable (Blaupunkt no.: 7 607 897 093). You can obtain this adapter cable from your authorised Blaupunkt dealer.

#### Switching the AUX input on/off

- ⇒ Press the **MENU** button (13).

"MENU" appears in the display.

- ⇒ Keep pressing the **↵** or **↵** button (12) until "AUX OFF" or "AUX ON" appears in the display.
- ⇒ Press the **<** or **>** button (12) to switch AUX on/off.

When you have finished making your changes,

- ⇒ press the **MENU** button (13).

#### Note:

- If the AUX input is switched on it can be selected by pressing the **CD•C** button (10).

## Specifications

### Amplifier

Output power: 4 x 25 watts sine  
in accordance  
with DIN 45 324  
at 14.4 V  
4 x 45 watts max.  
power

### Tuner

Frequency ranges:

FM: 87.5 - 108 MHz

MW: 531 - 1,602 kHz

LW: 153 - 279 kHz

(MW and LW are not available on the  
Dresden C31 and Cleveland DJ31  
units)

FM frequency response:

35 - 16,000 Hz

### Cassette

Frequency response:

30 - 18,000 Hz

### Input sensitivity

AUX input: 2 V / 6 k $\Omega$

## Guarantee

The scope of the guarantee is orientated around the regulations in force within the country in which the unit was purchased.

If your unit develops a fault, please contact your dealer and present the purchase receipt.

If the statutory guarantee period in your country is less than 12 months, Blaupunkt will grant a 12-month manufacturer's guarantee. This guarantee does not cover damage due to wear, incorrect usage or commercial use.

If you wish to enforce a claim under the manufacturer's guarantee that is provided by Blaupunkt, please send the faulty unit together with the purchase receipt to the Blaupunkt customer service centre in your country. You can find out which address is closest to you by contacting the telephone hotline listed on the back page of this booklet. Blaupunkt retains the right to rectify defects or supply a replacement.

**Service-Nummern / Service numbers / Numéros du service après-vente / Numeri del servizio di assistenza / Servicenummers / Telefonnummer för service / Números de servicio / Números de serviço**

<b>Country:</b>	<b>Phone:</b>	<b>Fax:</b>	<b>WWW:</b>
Germany	(D) 0180-5000225	05121-49 4002	<a href="http://www.blaupunkt.com">http://www.blaupunkt.com</a>
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	
Netherlands	(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	
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**Blaupunkt GmbH**

