

Radio / CD

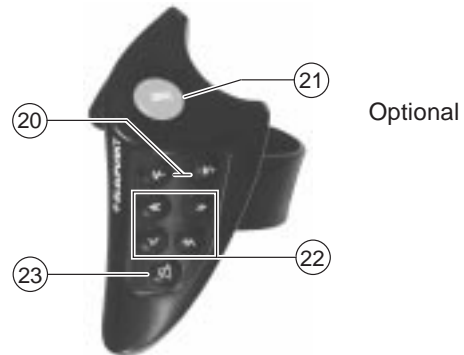
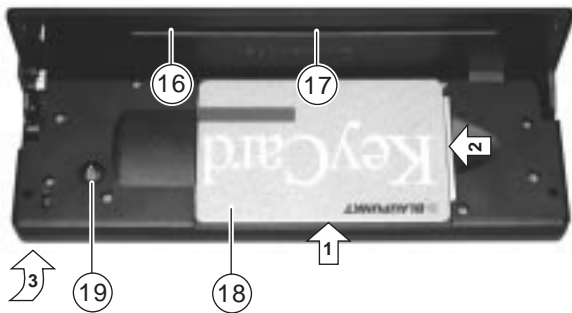
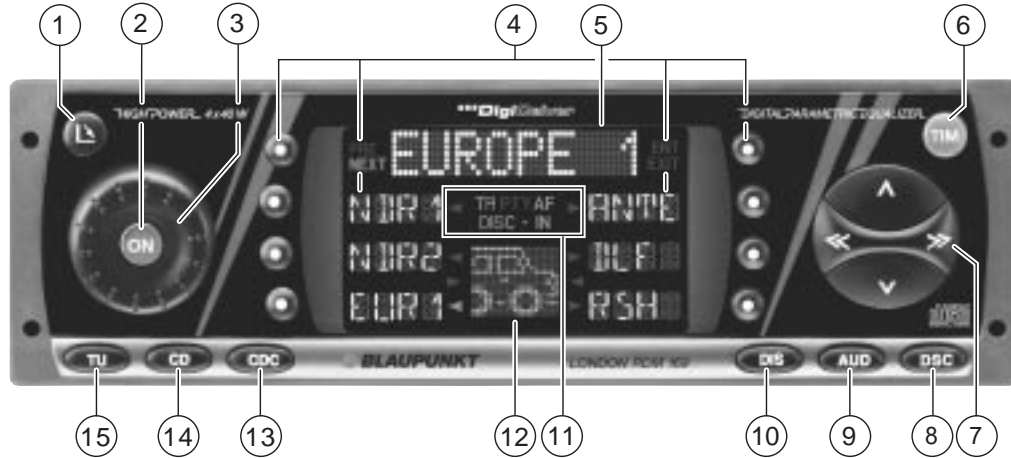
# London RDM 169

Operating instructions



 **BLAUPUNKT**  
Bosch Gruppe

Refer to the Quick Reference for the explanation of these operating elements



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## ① Unlocking the fold-down operating panel

After the operating panel has been unlocked it is possible to insert or remove the KeyCard or a CD.

Press ① to unlock the panel, it will fold down forwards. The operating panel cannot be removed and must not be used as a storage shelf. To close and lock the operating panel, push it back to its original position (arrow 3).



**⚠ For safety's sake, the operating panel must always remain closed while the vehicle is moving.**  
**When you leave the vehicle, open the operating panel and remove the KeyCard as added theft protection.**

## ② ON

### Switching the unit on:

With the KeyCard inserted, press **ON** briefly.

The unit will begin to operate in the mode last selected at the power-on volume.



**!** When the unit is switched on for the first time, "INSTALL" will appear in the top line of the display. Now it is possible to alter important basic settings, such as the clock, proof of ownership, reset to the default settings, etc. If necessary, refer to the section on "First-time installation". Press **EXIT** to quit this menu.

### Switching the unit off:

Press **ON** for approx. 1 sec.

**!** The angle of the display can be adjusted to optimise its legibility. If necessary, refer to the section on "Optimising the viewing angle".

### Switching the sound on/off:

Press **ON** briefly. If the sound has been switched off, "Mute" will appear in the display.

You can switch on the sound again by turning the volume knob ③.

### Switching the unit on/off with the KeyCard:

The unit can also be switched on/off by inserting or removing the KeyCard. Also refer to No. ⑱ in the Quick Reference for the section on the KeyCard theft protection system.

### Switching the unit on/off with the ignition:

The unit can be switched on/off with the vehicle ignition if the unit has been installed accordingly. After you switch off the ignition, you will hear a beep to remind you to remove the KeyCard before you leave the vehicle.

### Switching the unit on when the ignition is off

If the ignition is switched off (but the KeyCard in place), it is possible to operate the unit as follows:

## Quick Reference

After the beep press **ON**. The unit will switch on.  
After the unit has played for an hour, it will switch off automatically to prevent the vehicle battery from running down.

### 3 Adjusting the volume

Turn the knob to adjust the volume.



The volume setting will appear in the top line of the display. When the unit is switched on, it will play at a pre-defined volume (VOL).  
VOL can be adjusted as well (refer to "DSC programming - VAR, VOL").

### 4 Softkeys / Display

Softkey = a key with changing functions

You can select the functions which appear in the display.

#### Radio operation

#### Switching between the menu levels

During radio operation, you can press **TU** to switch between menu level 1 and menu level 2.

Menu level 1 contains four pages (FM1, FM2, FM3, FMT) which can be used to store radio stations. Press **NEXT** to switch to the next page.

Menu level 2 has two pages containing functions related to radio operation.

Page 1 includes FM, TS, TA, AM, PS, SCAN.

Page 2 includes AF, LOC, PTY, REG, RT, MONO. Press **PRE** or **NEXT** to switch between the pages.

- ! The unit will switch back to menu level 1 automatically 8 sec. after the last key has been pressed.

### Menu level 1

#### Station keys and memory banks



#### NEXT - FM

Switches between FM1, FM2, FM3, FMT

#### NEXT - AM (MW, LW)

Switches between the MW and LW wavebands

#### Keys 1 - 6

To store and recall radio stations on the FM waveband: FM1, FM2, FM3, FMT.

It is possible to store and recall 6 stations each on the MW and LW wavebands.

To store stations: Press the key for approx. 1 sec.

To recall stations: Press the key briefly.

## Menu level 2 Adjusting the radio functions



### NEXT - FM

Switches to additional radio functions:  
AF, LOC, PTY, REG, RT, MONO

### PRE

Switches to the previous radio functions:  
FM, TS, TA, AM, PS, SCAN.

### FM

Switches to FM.

### TS (Travelstore)

Automatically stores the six stations with the strongest reception in the "FMT" memory bank.

### TA (Traffic Announcement = Priority for traffic information)

"TP" will appear in the display when the radio is tuned into a station which broadcasts traffic information.

"TA" will appear when the priority for traffic information has been activated. Switching priority on/off: Press **TA**. To interrupt a traffic message: Press **STOP**. Stop will only appear in the display during traffic message broadcasts.

### ENT (Enter)

Press this key to accept/store the settings made.

### EXIT

Press this key to end/cancel any settings made.

### AM

Switches to AM (MW or LW). Press **NEXT** to select the other AM waveband.

### PS (Preset-Scan)

The radio stations stored on the preset keys in reception range will be scanned one after the other. For this to function properly: PTY must be switched off (does not light up in the display). If PTY is switched on (PTY lights up), only the radio stations for the PTY program selected will be scanned.

To stop the Preset Scan function: Press **EXIT**.



### SCAN

All of the radio stations within reception range on the selected waveband will be scanned. The same conditions apply as for PS (Preset Scan).

To stop the Scan function: Press **EXIT**.

### Switch to

AF, LOC, PTY, REG, RT, MONO: Press **NEXT**.

If you want to activate these functions from menu level 1, first press **TU** and then **NEXT**.



## Quick Reference

### AF

(Alternative Frequency for RDS operation)

Switching AF on/off: Press **AF** briefly.

### LOC - Local

Press **LOC** to switch the seek tuning sensitivity between "Local" and "Distance".

### PTY

(Program Type)

PTY changes the station keys into program keys.

Switching PTY on/off: Press **PTY** briefly. PTY will light up under top line in the display.

### REG (Regional)

Gives priority to regional programs.

Switching REG on/off: Press **REG** briefly.

### RT - Radio text

Transmits the text broadcast by the radio station selected.

Radio text cannot be activated unless the ignition is off or you have switched to "IGN off" in the Install menu.

### MONO

Switches between stereo/mono

When the unit is switched on, it automatically switches to stereo.

### CD and CD changer operation (CDC)

Press **CDC**:



During CD and CD changer operation, use the corresponding softkeys to select MIX, SCAN, RPT (repeat), TPM and NAME.

Press **CDC**:

During CD changer operation, menu level 1 indicates which magazine slots contain CDs, use **NEXT** to page through.

Press **CDC** to switch the menu level.

Now you can activate the functions from "MIX" to "NAME".

### MIX

CD tracks are played in random order. Press **MIX** to select the following functions:

- MIX CD = The tracks on the CD selected are played in random order. For changer operation, the CDs are selected in numerical order, the tracks then played back in random order.
- MIX MAG (for changer operation only) = All of the tracks on the CDs in the magazine are played back in random order.
- MIX OFF = switches the function off.

### SCAN

Scans the CD tracks (for changer operation the tracks on all of the CDs).

Start SCAN:

Press **SCAN**. The tracks will be scanned in ascending order. The scan time for CD operation can be altered (refer to "DSC programming - SCAN").

Press **SCAN**. The track last scanned will begin to play.



## RPT - Repeat

CD tracks, and for CD changer operation entire CDs, can be played repeatedly.

Press **RPT** to select from the following functions:

- REP TRCK = repeats track
- REP CD = repeats CD (for CD changer operation only)
- RPT off = switches the function off.

## TPM - Track Program Memory

Stores and plays back your favourite tracks for CD or CD changer operation.

It is possible to archive up to 30 CDs for CD operation and 99 CDs for CD changer operation with a maximum of 40 tracks each (refer to the section on "TPM programming").

## CLR

Deletes the TPM (refer to the section on "Deleting the TPM").

## NAME

You can enter names with a maximum of 8 characters for up to 99 CDs.

When these CDs are played, the name entered will appear in the top line of the display if the display has been set to "Name" (refer to the section on "CD naming").

## 5 Top line

Indicates a function of the operating mode selected, e.g. the radio station selected during radio operation.



You can use **DIS** to select what is displayed in the top line.

### Radio operation

EUROPE 1 - radio station name

or

102,40 - frequency

or

Pop M(usic) - PTY code

or

10:53 - clock

### CD and CD changer operation

TRACK 1 - CD track number

or

VIVALDI - CD name

or

CD 2 T 2 - CD number and track number (changer operation)

or

10:53 - clock

## 6 TIM (Traffic Memo)

Up to four traffic messages can be stored automatically and played back as often as desired (refer to the section on "Traffic Memo - TIM").

## 7 Rocker switch



### Radio operation

If you press the rocker switch while you are on menu level 2, the unit will automatically switch back to menu level 1.

### **^ / v Radio station seek tuning**

**^** Up

**v** Down

**<< / >>** Up/down in increments (for FM only, when AF and PTY are switched off)

For FM only:

**<< / >>** Pages through the station network when AF and PTY are switched off, e.g.: NDR 1, 2, 3, 4, N-JOY ...

## Quick Reference

### CD and CD changer operation

**<< / >>** Selects CDs (for CD changer operation only)

**>>** Up: Press briefly

**<<** Down: Press briefly

**^ / v** Selects tracks

Up: Press briefly

**CUE - fast forward (audible):**

Hold pressed down

**Down:** Press briefly twice or repeatedly in succession

**Restart a track:** Press briefly

**Review - fast reverse (audible):** Hold pressed down

### 8 **DSC (Direct Software Control)**

Use DSC to adjust those basic settings which can be programmed. For more information refer to “DSC programming”.

### 9 **AUD**

The AUD menu contains two pages.

#### Page 1:

Adjusts **Treble**, **Bass**, **Fader** (front/rear), **Balance** (left/right), **Loudness** (boosts lower frequency ranges at low volume to create a more natural

sound) and **SUB** (-out) to adjust the amplifier level for the SUB-woofer.



#### **Making adjustments:**

Select the operating mode.

Press **AUD** once and select the function you wish to adjust with the corresponding key. “Bass” and the current setting, for example, will appear in the top line of the display.



Use **<< / >>** to alter the setting. The last setting selected will be stored automatically.

#### **! SUB-Out**

- If an amplifier for SUB-woofers is connected to the system, it is possible to adjust the output level with “SUB” and **^ / v**.

#### Page 2:

Switches on/off (**DPE**) and sets (**LOW**, **HIGH**) the equalizer.

Switching the equalizer on/off:

Press **AUD**, **NEXT** and **DPE** in succession. Use the rocker switch **<< / >>** to switch DPE on or off.

The equalizer can be set with “LOW” and “HIGH”.

For more information, refer to the section on “Setting the equaliser”.

#### **Switching AUD off:**

Press **AUD** or **EXIT**.

## 10 DIS

Select from a number of displays

### Radio operation

Press **DIS** repeatedly to select:

- the name of the station selected
- the current frequency
- PTY code
- clock

This will not operate properly unless the radio is tuned into an RDS station with adequate signal strength.

Press **DIS** for approx. 4 sec.:

to synchronise the clock (internal clock with the DCF-77 atomic clock).

### CD operation

Press **DIS** to select:

- Track number, clock
- CD name (if entered), track number
- Clock, track number

### CD changer operation

Press **DIS** to select:

- CD number, track number, clock
- CD number, track number, elapsed playing time
- Clock, track number

## 11 Display

### Radio operation



- TP, TA - TP = Traffic Program (radio is tuned into a traffic program station)  
- TA = priority for traffic program stations is active
- PTY - Program type is active
- AF - Alternative frequency for RDS
- DISC-IN - CD is in the CD drive

## 12 DOT field

Additional display for top line.

### Radio operation



- FM1, 2, 3, T - FM memory banks  
or  
MW, LW - Wavebands  
or

Special pictures for a given situation,



e.g. driving cars during traffic announcements

### CD and CD changer operation



00:20 - Time (elapsed playing time)

or

TRACK 3 - CD track number

## 13 CDC

Switches to changer operation (only if a changer is connected), selects the menu levels.



If there is no CD changer connected, this key will switch the system to AUX.

## Quick Reference

- ⑭ **CD**  
Switches to CD operation



- ⑮ **TU (tuner)**  
Switches to radio operation, selects the menu levels

- ⑯ **CD slot**  
After you insert the CD with the label facing up, it will be automatically transported to the playing position. The system will automatically switch to CD playback.

- ⑰ **Visual theft protection**  
If you want to use the flashing LED to deter thieves, make sure that the car radio is installed correctly and switched off; the operating panel is opened; the KeyCard has been removed; LED is switched to on in the DSC menu (default setting).

For more information, refer to the section on “DSC programming, KeyCard, LED on/off”.

- ⑱ **KeyCard theft protection system**  
To operate this unit, the KeyCard must be inserted.



### Inserting the KeyCard

Press ① to unlock the operating panel, the operating panel will fold down forward.

Slide the **KeyCard in with the contacts facing down** (see illustration). Lock operating panel back in place.



To remove KeyCard perform these steps in the reverse order.

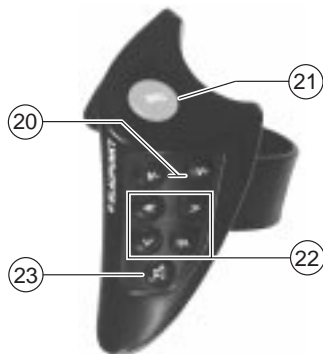
Make sure to read the information in the section on the “KeyCard theft protection system”.

- ⑲ **Eject**  
Press the Eject button briefly, the CD will eject.



- !** For safety's sake, the operating panel must remain locked when the vehicle is in motion. When you leave the vehicle, unlock the panel and remove the KeyCard to protect the equipment against theft.

# RC 08 remote control unit (Option)



## 20 V- / V+

Volume control.

## 21 SRC (Source)

Switches operating modes

Press **SCR** repeatedly to select.

- Radio
- CD
- Changer (if a changer is connected)

To switch TIM on/off:

Press **SRC** for approx. 1 sec.

## 22 <</>, ^ / v

Radio operation

### Station seek tuning

- ▲ up
- ▼ down

<</> down/up in short intervals (for FM only when AF is switched off)

For FM only:

<</> Pages through the station network with AF on e.g.: NDR 1, 2, 3, 4, N-JOY, ...

### CD and CD changer operation

<</> **Select CD** (for changer operation only)

- >> **up**: Press briefly
- << **down**: Press briefly

### ▲ / ▼ **Select track**

**up**: Press briefly

**CUE - fast forward (audible)**:

Hold pressed down

**down**: Press twice or repeatedly briefly

**To restart the track**: Press briefly

**REVIEW - fast reverse (audible)**: Hold pressed down

## TIM

▲ / ▼ **Select TIM messages**

(To switch TIM on/off: Press SCR for approx. 1 sec.)

## 23 🔊

Sound mute on/off:

Press 🔊 briefly. When the sound has been switched off "Mute" will appear in the display.

## Important notes

### What you need to know

Before using your new car audio system, please read through the following information carefully.

### Traffic safety

As the driver of a motor vehicle, it is your responsibility to pay attention to the traffic situation at all times. Never use your car audio system in a way that could distract you.

Please keep in mind that you travel a distance of 14 m per second at a speed of only 50 km/h.

Should the traffic situation become particularly demanding, we advise you not to use the audio system.

Always make sure that you are still able to hear any warning signals coming from outside the vehicle, such as police or fire engine sirens, so that you can react accordingly.

Consequently, you should always select a moderate volume for playing your car audio system while you are driving.

### Installation

If you would like to install your new car stereo yourself or add other audio components to existing ones, then please read the in-

structions on installation and connection at the end of this manual carefully.

### Telephone mute

If you have installed a car telephone in your vehicle, it is possible to automatically mute the radio or CD playback when you use the telephone (telephone mute).

“Phone” will then appear in the display.

Traffic announcements continue to have priority if you have activated TA. You can activate TIM when the system is switched to telephone mute.

### Accessories

Use only Blaupunkt-approved accessories and spare parts.

You can use the following Blaupunkt products with this unit:

#### RC 08 remote control unit

The RC 08 infrared remote control unit allows you to conveniently operate the most important functions from the steering wheel.

#### CD changers

The following CD changers can be connected directly: CDC A 06, A 071, A 072, A 08. The A 05 can be connected with the adapter cable 7 607 889 093.

### Amplifiers

All Blaupunkt amplifiers.

### Guarantee

The scope of the guarantee is determined by the laws in the country where the unit was purchased.

Regardless of the legal guarantee regulations, Blaupunkt affords a 12-month guarantee. Your cash register receipt is a valid guarantee coupon.

If you have any questions about the guarantee, please contact your dealer. He will be happy to assist you, repair your equipment or forward it to an authorised Blaupunkt repair shop. In addition, our employees are there to help you on our service hotline.

You will find the telephone and fax numbers on the last page of this manual.

### International telephone information

Have you got any questions on the operation of this equipment or do you require more information?

Give us a call!

You will find the international telephone and fax numbers on the last page of this manual.

# KeyCard theft protection system

This car radio comes equipped with one KeyCard, but it can also be operated with a second card.

If you have lost your KeyCard or if it was damaged, you can buy a replacement KeyCard from your specialised dealer.

If you use two KeyCards, the settings stored on the first card will be transferred to the second. However, you can individually store the following functions:

Preset button assignments, bass, treble, balance and fader settings, Loudness, TA (traffic announcement volume), beep volume, LOW and HIGH (equalizer settings).

In addition, the settings activated before the radio is switched off, such as the waveband, station, TA priority, AF, REG on/off, SCAN (time), seek tuning sensitivity, VOL (Power-On volume) and SHARX will also remain stored.

This ensures that you will find your basic settings re-adjusted automatically as soon as you have inserted your KeyCard.

## Operating the unit for the first time

To insert the KeyCard, unlock the operating panel by

- pressing ①, the operating panel will fold down.
- Insert the KeyCard with the contacts facing down as shown in the illustration (arrow 1).



- Push the card in the direction of the arrow (2) and lock the operating panel back into position (arrow 3).
- Turn on the set with **ON**.

The car radio is now ready for operation.

## Incorrect KeyCard

If a wrong KeyCard is inserted, then “Wrong KC” will appear in the display.

Remove the wrong card and insert the correct KeyCard.

## Removing the KeyCard

To unlock the operating panel:

- Press ①, the operating panel will fold down forwards.
- Push the card to the right as far as possible and remove it to the front.
- Push the operating panel back into position.



**For safety's sake, the operating panel must remain locked when the vehicle is in motion. When you leave the vehicle, unlock the panel and remove the KeyCard to protect the equipment against theft.**

## “Training” a second KeyCard / Replacing a KeyCard

When the unit is in operation with the first KeyCard, you can “train” a second one to be also used with the set.

If you want to “train” a second KeyCard:

- Insert the first KeyCard and turn on the set.
- Press **DSC**, **KC** (KeyCard) and **LRN** (learn) one after the other.
- Remove the first KeyCard and insert the new one.

The display will read “Learn OK”.

To exit the menu

- press **DSC**.

Now you can also use the new KeyCard for operating your unit.

A maximum of two cards can be used with the set.

If you attempt “train” a third one, the access authorisation for the KeyCard not used for the “training” process will be deleted automatically.

## Incorrect KeyCard

If a wrong KeyCard is inserted, then “Wrong KC” will appear in the display.

Remove the wrong card and insert the correct KeyCard.

## Displaying the radio pass data

You can use the KeyCard supplied with your set to display the radio pass data such as the model name, product number (7 6..) and serial number.

Please refer to the section on “DSC programming - KC (KeyCard), READ”.

## Short Additional Memory (S.A.M.)

The second KeyCard available from your specialised dealer allows you to read out short information under the DSC menu item “KC, READ”. This information will run through the display and could include, for example, the phone number of your car repair service or the emergency call number of your automobile association.

The freely selectable text with a maximum of 162 characters can be programmed by any dealer who has the required equipment available.

## Turn On Message (T.O.M.)

The second KeyCard available from your specialised dealer also allows you to display a special turn-on message each time the radio is switched on.

The freely selectable text with a maximum of 48 characters can be programmed by any dealer who has the required equipment available.

Each time you turn on your system with the second KeyCard, the programmed text will appear in the display. Important: “TOM on” must be selected in the DSC menu.

To find out how to do this, refer to the section on “DSC programming - KC (KeyCard), TOM”.

## Flashing light as theft protection

### Flashing light diode <sup>(17)</sup>

When the vehicle is stationary and the KeyCard has been removed, the light diode can be switched to flash as an extra anti-theft device.

For this to function properly, it is necessary that the positive power supply line and the permanent +12 V lead are connected such as described in the installation instructions.



Make sure that the unit is switched off; the operating panel is unlocked; the KeyCard has been removed; "LED ON" has been selected in the DSC mode (default setting). If necessary, please refer to the section on "DSC programming - KC (KeyCard) LED".

## Switching off the flashing light

The flashing light can be switched off by selecting "LED OFF" in the DSC menu.

## Care of your KeyCard

To ensure that the KeyCard will function properly it is important that the contacts are free from any foreign particles. Avoid direct skin contact.

If necessary, clean the KeyCard contacts using a cotton swab soaked in rubbing alcohol.

## Lost or damaged KeyCard

If the KeyCard for your unit is lost or damaged you can train a new KeyCard.

You can purchase the new KeyCard from any authorised dealer. You will also require the master code for the unit, which you will find in the radio pass.

- ! Always keep the radio pass in a safe place. Do not leave it in your vehicle.

## Training the new KeyCard

- Insert the new KeyCard into the unit and lock the operating panel into position.
- Switch the unit off.
- Press **TU** and **ST1** at the same time and switch the unit on. "0000" will appear in the display.
- Now use the rocker switch to enter the four-digit master code from the radio pass:
  - ∧/∨ - Enter digits  
(press as often as required)
  - << >> - Select the entry position.

- Press **ENT** after you have entered the correct master code.
- The new KeyCard has been accepted when the unit will begin to play.

# First-time installation

After you switch on the unit for the first time or when the unit has been disconnected from the power supply, "INSTALL" will appear in the top line of the display.

In this menu you can enter/alter the following:

Time, owner ID, reset to default settings, ignition connection on/off, internal output stage on/off.

## Activating the Install menu

You can activate the Install menu at any time.

- Just hold **DSC** pressed down for 4 sec.



## Closing the Install menu

- Press **EXIT**.

## Setting the clock

The clock is set automatically when the radio is tuned into an RDS station which has the CT function (clock time).

If this signal is not available, the audio system will attempt to receive the DCF-77 time signal (atomic clock) to correct the time the next time it is switched off. The display will indicate "CLK Sync" while it is synchronising the time.

If you would like to set the clock manually,

- press **CLK**, the field to be adjusted will flash in the top line of the display (hours or minutes)
- Press **<< / >>** to switch fields if necessary and use **^ / v** to enter the correct time.

Once you have completed the setting,

- press **ENT**, the INSTALL menu will return to the display.

For more information on the clock, please refer to the section on the "Clock - Time".

## Entering your Owner Identification

Use this function to enter six lines with eight characters each as your proof of ownership.

To do so

- press **O-ID**, the first entry position will flash in the top line of the display.

Use **^ / v** to select the letters, digits and symbols, use **<< / >>** to select the entry position.

Enter the data you want to use to identify the unit.

### Example:

<u>Line</u>	<u>Information</u>
1	MONIKA
2	MÜLLER
3	LANDS 18
4	HILDES-
5	HEIM
6	HI-XX000

Once you have completed your entry for the first line,

- press **NEXT**, the display will switch automatically to the next line.

The DOT display indicates the number of the line selected (1 - 6).

If you would like to alter the entry in a specific line,

- press **NEXT** as often as required.

To complete your entry,

- press **ENT**.

If the unit is switched on without the Key-Card, this owner ID information will appear in the top line of the display for approximately 8 sec.

## Reset to default settings

“NORM (set)” will reset any settings you have altered!

Exception: The stations stored on the station presets will remain stored.

If you would like to reset to the default settings,

- press **NORM** and then press **ENT** for approx. 2 sec.

## Switching the ignition connection on/off

Use IGN (ignition) to be able to switch the car radio on and off with the ON button only or with the ignition as well.

Switching on/off:

- Press **IGN**, “Ign on” or “Ign off” will appear in the top line of the display.
- Use **<< / >>** to switch on to off or off to on.
- Press **ENT** to store this setting and return to the INSTALL menu.

## Switching the internal output stage on/off

Use AMP (amplifier) to switch the internal output stage on or off. If an additional amplifier has been connected and only the preamp outputs are being used, it is a good idea to switch the internal amplifier off.

Switching on/off:

- Press **AMP**, “Amp on” or “Amp off” will appear in the top line of the display.
- Use **<< / >>** to switch this setting to on or off.
- Press **ENT** to store the new setting and return to the INSTALL menu.

## Connecting external equipment

If external equipment is connected, you have to switch AUX to on. The default setting for AUX is off.

AUX will not appear as a menu item if a Blaupunkt CD changer has been connected.

## Closing the INSTALL menu

- Press **EXIT**.

## Selecting the operating mode

You can select from among the following operating modes: radio (TU), CD and CDC (changer).

CD cannot be selected unless a CD is inserted in the drive.

CDC cannot be selected unless one of the Blaupunkt changers, the A 06, the A 072, the A 08, the A 05, or the A 071 has been connected and there is at least one CD in the magazine.

To switch the operating mode:

- press **TU**, **CD** or **CDC**.

If you press TU again, the unit will switch to menu level 2. On this level there are two pages which you can use to adjust the functions for radio operation. The unit will switch back to menu level 1 automatically approx. eight seconds after the last adjustment was made.

## Optimising the viewing angle

The viewing angle of the display can be altered to allow optimum legibility.

- Press **DSC**, **DISP**, **ANGL** one after the other.
- Press **^ / v** on the rocker switch to set the best viewing angle for your position.

When you have completed the setting

- press **ENT** and **EXIT** twice.

# Radio operation with RDS (Radio Data System)

The **Radio Data System** offers you more convenience when you listen to FM radio stations.

More and more radio stations have begun to broadcast RDS information alongside their programs.

As soon as a program has been identified, the station name including a regional identifier, if available, will appear in the display, for example, NDR1 NDS (regional program in Lower Saxony, Germany).

When RDS is activated, the preset buttons become program buttons. You now know exactly which program you have tuned into, making it easy to find the desired station quickly.

## Switching between the menu levels

During radio operation, you can use **TU** to switch between menu level 1 and menu level 2.

Menu level 1 contains four pages (FM1, FM2, FM3, FMT), on which it is possible to store up to six radio stations each.



To move to the next page:

- press **NEXT**.

The page selected will appear in the DOT display (FM1, FM2, FM3, FMT).

Menu level 2 has two pages for adjusting radio functions.

To activate menu level 2:

- Press **TU**.



The following functions are available: FM, TS, TA, AM, PS, SCAN.

To move to page 2:

- press **NEXT**.



The following functions are available: AF, LOC, PTY, REG, RT, MONO

To return to page 1:

- press **PRE**.

The unit will switch back to menu level 1 automatically 8 sec. after the last key was pressed. Press **EXIT** to return to menu level 1 immediately.

## AF - Alternative frequency

The AF (**A**lternative **F**requency) function makes sure that radio is always tuned into the strongest frequency for the radio station currently selected.

Activating AF in the display:

For radio operation

- Press **TU**, menu level 2 will appear, indicating the radio functions.
- Press **NEXT** to move to page 2 (AF, LOC, PTY, REG, RT, MONO).

Switching AF on/off:

- Press **AF** briefly, the red arrow will light up when AF is switched on. In addition, "AF" will appear under the top line of the display.



# Radio operation with RDS (Radio Data System)

While searching for the strongest reception signal, the radio may switch to mute briefly. If “Search” appears in the display when you switch on the radio or recall one of the stored frequencies, this indicates that the unit is automatically searching for an alternative frequency.

“Search” will disappear from the display when the alternative frequency has been found or after the frequency band has been run through completely.

If the reception quality of the selected radio station deteriorates beyond a certain point:

- Tune into another station.

## REG - regional program

Certain radio programs are split up at times into regional programs offering local information. The 1st program broadcast by NDR, for example, offers regional programs with different contents for the northern states of Germany in Schleswig-Holstein, Hamburg and Lower Saxony at certain times of the day.

If you are listening to a program and want to continue to listen to that program, it is advisable to switch to “REG on”.

If you leave the service area of the regional program you are tuned into, or if you would like to take advantage of the full RDS service, switch to “REG off”.

To activate REG in the display:  
For radio operation

- Press **TU**, menu level 2 with the radio functions will appear.
- Press **NEXT** to move to page 2 (AF, LOC, PTY, REG, RT, MONO).

To switch REG on/off:

- Press **REG**, the red arrow will light up when REG is switched on. “REG on” or “REG off” will also appear briefly in the top line of the display.



## Selecting a waveband

With this car radio you can select between the following wavebands:

FM 87.5 - 108 MHz  
MW 531 - 1602 kHz  
LW 153 - 279 kHz.

- Press **TU** to select the desired waveband, menu level 2 will appear in the display (FM, TS, TA, AM, PS, SCAN).



- Press **FM** to select the FM waveband or **AM** for the MW or LW wavebands. Press **NEXT** on the AM waveband to switch between MW and LW.

## Station tuning

### Automatic tuning $\wedge / \vee$

- Press  $\wedge / \vee$ ; the car radio will automatically search for the next station.

If you hold  $\wedge / \vee$  on the rocker switch pressed down, seek tuning will accelerate in upwards or downwards direction.



## Seek tuning

^ Up

v Down

<< / >> Down/Up in short intervals  
(for FM only, when “AF” is  
switched off)

## Manual tuning with << / >>

You can also tune into a station manually.

Important:

AF and PTY must be switched off (i.e. the  
symbols do not light up in the display).



If necessary, deactivate these functions in  
menu level 2.

Manual tuning:

- Press << >>; the frequency will change  
in short intervals downwards or up-  
wards.

If you hold << or >> on the rocker switch  
pressed down, the frequency scan will ac-  
celerate.

## Scrolling through the broadcast- ing networks (FM only)

You can use the << >> buttons to tune into  
stations in your reception area.

Important:

- a) You must have tuned into the station  
at least once before. To do this, you  
can press **TS** to start Travelstore in  
menu level 2.

If necessary, refer to the section on  
“Automatically storing the strongest  
stations with Travelstore”.

- b) AF is switched on and PTY is switched  
off. In this case, “PTY” will not light up  
under the top line of the display.

If necessary, switch these functions on  
or off in menu level 2.

## Scrolling

If it is possible to receive several different sta-  
tions in the station network, you can use >>  
(forward) or << (back) to scroll through the  
broadcasting network, e.g. NDR 1, 2, 3, 4 ...

## Changing the memory bank (FM)

You can shift between the memory banks  
FM1, 2, 3 and T in order to store stations  
and recall them later.

- Press **NEXT** as often as necessary un-  
til the desired memory bank lights up  
in the DOT display.

## Storing stations

On each of the FM memory banks (FM1, 2,  
3 and T), you can store six stations on the  
preset buttons **1 - 6**.

On MW/LW, you can also store six stations  
each.

- Press **TU**, menu level 2 will appear in  
the display.

- Select **FM** or MW/LW with **AM**.

For AM, press **NEXT** to select MW or LW.

- Use the rocker switch to tune into a  
station (either automatically ^ / v or  
manually << >>).

# Radio operation with RDS (Radio Data System)



- Press the desired preset button until the radio resumes play after the muting (takes approximately 2 sec.) or until you hear a beep.

Now the station has been stored.

## Note:

Should you tune into a station which has already been stored before on another memory bank, the corresponding preset button and the memory bank will flash briefly in the DOT display.

## Automatically storing the strongest stations with Travelstore

You can automatically store the six most powerful FM stations in your current reception area sorted according to their signal strength. This function is particularly convenient on longer trips.

- Press **TU**, menu level 2 will appear in the display.
- Press **TS** briefly.

“T-Store” will flash in the display.

The six strongest FM stations will be automatically stored on the memory bank “FMT” (Travelstore). When this process has been completed, the radio will play the station with the strongest reception on station preset 1.



If desired, stations can also be stored manually on the Travelstore bank (refer to the section on “Storing stations”).

## Recalling stored stations

You can recall any stored station at the touch of a button.

### FM

Recall the stations on the waveband selected directly:

- by pressing keys **1 - 6**.

To select a station on a different waveband:

- Press **NEXT** as often as necessary until the desired memory bank appears and then select the station by pressing keys **1 - 6**.

### MW, LW (AM)

You can select the stations stored for the selected waveband directly:

- by pressing keys **1 - 6**.

To select a station on a different waveband:

- Press **NEXT** as often as necessary until the desired memory bank appears and then select the station by pressing keys **1 - 6**.

## Scanning stored stations with Preset Scan

You can have all of the stored stations briefly scanned on all wavebands and in the selected FM memory bank.

Preset Scan cannot be started unless PTY is switched off (“PTY” is not highlighted in the display).

If necessary, switch off PTY on menu level 2. To do so

- press **TU** and **NEXT** one after the other and then the **PTY** key.

### To start Preset Scan:

- Press **TU** and **PS** one after the other.

All of the stored stations on the waveband selected and within reception range will be scanned one after the other. “PS SCAN” and the station name or frequency will flash alternately in the DOT display.



# Radio operation with RDS (Radio Data System)

## To select a scanned station and switch off Preset Scan:

- Press the rocker switch briefly.



## Scanning stations with Radio Scan

You can also scan all of the stations within reception range.

Radio Scan cannot be started unless PTY is switched off (“PTY” is not highlighted in the display).

If necessary, switch off PTY on menu level 2. To do so

- press **TU** and **NEXT** one after the other and then the **PTY** key.

### To start the Scan function:

- Press **TU** and **SCAN** briefly.

All of the stations on the waveband selected and within reception range will be scanned one after the other. “FM SCAN” or “AM SCAN” will appear in the DOT display.

## To select a scanned station and switch off the Radio Scan function:

- Press the rocker switch briefly.

If you do not select a station, the scan function will automatically switch off after the frequency band has been run through completely. The unit will tune into the station you were listening to before you started the scan function.

## Changing the scan time (Scan)

The scan time can be set from between 5 to a maximum of 30 seconds.

If you would like to alter the scan time, please refer to the section on “DSC programming - VAR (Various), SCAN (time)”.

## Selecting the seek tuning sensitivity

You can alter the automatic seek tuning sensitivity separately for AM and FM.

If you would like to alter the sensitivity level, please refer to the section on “DSC programming - TUN(er) S-DX, S-LO”.

## Switching from stereo to mono (FM)

You can switch stereo/mono on menu level 2. If reception is poor, you may get better sound quality by switching from stereo to mono. Each time the radio is switched on, stereo playback is activated automatically.

The unit will gradually switch to mono if the signal received is not strong enough for stereo playback.

If you would like to switch to mono,

- press **TU** and **NEXT** one after the other.

The red arrow for mono will light up when you have switched to MONO.

- Press **MONO** to switch between stereo to mono.

The mode selected will appear briefly in the top line of the display.

## Automatic bandwidth adjustment (SHARX)

In the DSC menu, you can use the SHARX function to adjust automatic bandwidth switching in the FM frequency range. This can be a great advantage when there are a large number of stations within your current reception range.

# Radio operation with RDS (Radio Data System)

Interference with strong adjacent stations can be reduced to an absolute minimum if you activate SHARX ON (default setting).

If necessary, refer to the section on “DSC programming - TUN(er) SHRX”.

## PTY - Program Type

PTY is an RDS service which an increasing number of broadcasting stations have begun to offer. This feature allows you to select FM stations according to their program type. After you have chosen the PTY of your preference, the corresponding stations can be selected by seek tuning.

### Switching PTY on/off

- Press **TU** and **NEXT** one after the other.
- Press **PTY** to switch the function on or off.

The red arrow will light up when PTY is switched on. In addition, “PTY” will appear under the top line in the display.

When the function is active, the program type selected last will briefly appear in the display, e.g. “Sport”. As long as PTY is active, “PTY” will appear permanently in the display.

## Program type

Use **<< >>** to have the last selected program type displayed and to choose a new one.

You can select any one of the stored types with the preset buttons **1 - 6**.

Important: PTY must be active.

You can use the DSC menu to select Deutsch, English or Francais as the language used in the display.

If necessary, refer to the section on “DSC programming - TUN(er) PTY”.

The following list indicates all of the program types which are currently available.

The letters printed in bold are identical to the abbreviation which appears briefly in the display.

**News**  
Current **Affairs**  
**Information**  
**Sport**  
**Educate**  
**Drama**  
**Culture**  
**Science**  
**Varied**  
**Pop Music**  
**Rock Music**  
**Easy Music**

**Light Music**  
**Classics**  
**Other Music**  
**Weather**  
**Finance**  
**Children's Programs**  
**Social Affairs**  
**Religion**  
**Phone in**  
**Travel**  
**Leisure**  
**Jazz Music**  
**Country Music**  
**National Music**  
**Oldies Music**  
**Folk Music**  
**Document**

### Checking the program type of the station

You can check the type of program the station you are tuned into is broadcasting. To do so,

- press **DIS** repeatedly until the PTY program type appears in the top line of the display.

If “No PTY” appears in the display, the current station has no PTY code.

## Selecting and storing PTY program types

When PTY is switched on, it is possible to display the last PTY selected and the stored program types for approx. 8 sec. One program type is stored on each of the station presets **1 to 6** at the factory.

Display the program types by

- pressing << or >>.

The program type selected last will appear in the top line of the display. At the same time, the stored program types will appear in the display beside the corresponding preset buttons.

## Selecting stored program types

Now you can select one of the stored program types. To do so,

- Press one of the presets **1 - 6**.

## To select any program type

You can select any of the program types. To do so

- press << or >> repeatedly until the program type you would like to select appears in the top line of the display.

## Storing program types

You can store any of the available program types on any of the preset buttons 1-6.

- Select a program type as described above.
- Press down the desired preset button **1-6** until you hear a beep.

The program type has been stored.

## PTY seek tuning

The seek tuning function can be used to find the PTY stations for the program type selected.

Important: PTY is switched on and you have selected the program type.

Starting seek tuning:

- Press  $\wedge / \vee$  on the rocker switch.

Seek tuning will stop at a PTY station broadcasting the selected program type.

If no station offering the selected program type can be found currently in your reception range, the set will switch back to the station you were previously tuned into.

As soon as it is possible to receive a program in the broadcasting network with the PTY selected, the radio will switch over to the corresponding station for the duration of the program.

Example:

German broadcasting network NDR:

- Station playing: NDR3.
- "PTY" is switched on.
- Program type "POP" selected.
- Seek tuning is started.
- No station with "PTY-POP" can be found.
- The display shows "No PTY" and
- automatically switches back to NDR3.
- NDR2 airs a "PTY-POP" program.
- The radio will switch to the linked station NDR2 for the duration of the "POP" program.

During CD operation, the set will also switch to the program offering the selected PTY within the broadcasting network.

After the PTY program has ended the system will switch back to the previous mode (radio or CD).

Use **STOP** to return to the previous station immediately. Press **PTY** to switch the PTY function off.

## Note:

As already mentioned, these functions are not supported by all of the RDS stations at the present time.

# Radio operation with RDS (Radio Data System)

## Radio text

This is an RDS function which allows radio stations to transmit texts.

The text information is displayed in the top line of the display.

Depending on the radio station, these texts can have different contents, e.g. news briefs, program guide, advertising.

It is not possible to read radio text messages unless the ignition connection is deactivated or the ignition is switched off.



For safety's sake, we strongly recommend that you do not activate radio text while you are driving.

## Activating radio text

Park your vehicle in a safe place, switch off the ignition. The radio will switch off automatically.

- Press **ON** for approx. 1 sec. to switch the radio back on.
- Press **TU**, **NEXT** and **RT** (radio text) one after the other.

If the red arrow lights up in front of "RT", radio text is active.

The text will run through the top line of the display.

If you tune into a different radio station, the text transmitted by that radio station will be displayed.

If the station you are tuned into does not transmit radio text, "No Text" will appear in the display.

## Switching radio text off

- Press **TU**, **NEXT** and **RT** (radio text) one after the other.

The red arrow in front of "RT" will disappear.

---

The abbreviation “EON” stands for Enhanced Other Networks, which means that information is exchanged within a radio network.

Many FM radio stations provide their service area with traffic messages at regular intervals.

Along with their programs, all traffic information stations transmit a special carrier signal, which is decoded by your car radio. If this signal is identified, “TP” will appear in the display (Traffic Program).

In addition to these, there are also stations which do not actually transmit traffic information themselves, but by using RDS-EON it is possible for them to forward the traffic messages broadcast by another traffic information station in the same radio network.

If you want to have the priority for traffic announcements activated while listening to one of these stations (e.g. NDR3), “TA” (Traffic Announcement priority) must appear on the display panel.

If a traffic announcement is broadcast, the radio will automatically switch to the linked traffic program station (in this case, NDR2) for the duration of the message and return to the original program (NDR3) afterwards.

## Traffic announcement priority on/off

If the priority for traffic announcement programs is activated, “TA” will light up in the display.

To switch the priority on or off:

- Press **TU** to access menu level 2.
- Press the **TA** button.

If you press **STOP** while a message is being broadcast, this message will be interrupted. The unit will then switch back to the previous mode. The priority for other traffic messages remains active.

## Warning beep

If you leave the reception area of the traffic information station you are currently tuned into, you will hear a warning beep at intervals of approx. 30 seconds.

This warning beep will also be emitted if you press a preset button for a station which does not send the traffic information signal.

## Switching the warning beep off

- a) Tune into another station offering traffic information:
  - Press the rocker switch or
  - press a preset button which has a traffic information station allocated to it.

or

- b) Switch off the priority for traffic announcements:

- press **TA**.  
“TA” will disappear from the display.

## Automatic seek tuning start (CD and CD changer operation)

If you leave the reception area for the traffic information station you have tuned into while you are listening to a CD, the system will automatically start searching for a new TA station.

If no such station is found within approximately 30 seconds, a warning beep will sound every 30 seconds. To switch the warning beep off, proceed as described above.

## Adjusting the volume for traffic announcements and the warning beep

This volume was preset at the factory, but you can use the DSC function to alter the setting as desired (refer to the section on “DSC programming - VAR, TVOL”).

## Traffic Memo (TIM)

This set is equipped with a digital voice memory, making it possible to automatically record up to four traffic messages lasting a maximum of four minutes.

Depending on the length of the new message, the oldest messages are automatically deleted.

If a message is longer than four minutes, "Overflow" will be displayed after four minutes of playback, followed by a beep tone indicating that the system was unable to record the message in full.

If a new traffic message is broadcast while you are listening to the messages, the playback will be interrupted and the new message will be recorded.

When the set is switched on, any messages that are older than 4 hours will be deleted automatically.



### A power antenna might be damaged in a car wash

If you have installed a power antenna, then please read the warning note at the end of this section.

### Switching TIM on/off

When the set is switched on, you can switch TIM on or off. To do so,

- press **TIM** for approx. 1 sec.

There will be a brief status message in the top line of the display:

- TIM 2h = TIM is switched on
- TIM off = the function has been switched off.

If TIM is switched on, any traffic messages broadcast by the traffic radio station you have selected will be recorded for 2 hours after the set has been switched off.

### Recording traffic messages

When the audio system is switched on and you are tuned into a traffic information station, any traffic messages broadcast will be recorded automatically.

When you are tuned into a traffic information station, either "TP" or "TA" will appear under the top line in the display.

TP - The audio system receives traffic messages broadcast by the station you are tuned into.

TA - The traffic messages broadcast by the traffic information station in the broadcasting network will be recorded.

The station you are tuned into does not have to be a traffic information station (as described for traffic message reception with RDS-EON).

When the audio system is switched off, it will still record any traffic messages it receives for 2 hours if TIM is switched on and

you have tuned into a traffic information station.

If you are listening to a station which does not broadcast traffic messages and switch the audio system off with TIM switched on, the system will automatically search for a traffic information station. "TP seek" will appear in the DOT display to indicate this process. As soon as a station is found, the frequency will appear briefly in the display and the system will switch off.

### Altering the TIM standby time

You can alter the TIM standby time for the audio system when it is switched off from 2 to 24 hours.

If the TIM function is switched on, "TIM 2h" will always appear in the top line of the display when you switch the audio system off. If you would like to alter the TIM time to 24 hours,

- press **TIM** briefly.
- "TIM 24h" will appear in the top line.

The TIM standby time is set to a maximum of 24 hours.

The power antenna remains extended during the standby time.

To prevent the car battery from running down, the TIM standby time will automatically revert to 2 hours every time the audio system is switched back on.



During the TIM standby time, a power antenna will remain extended. Please observe the warning note.

## Retrieving stored traffic messages

Up to four traffic messages can be recorded. TIM 1 is always the most recent message.

If there are no messages recorded, “No TIM” will appear in the top line of the display.

To retrieve stored messages,

- press **TIM** briefly.



TIM1 is the most recent message and will be played back first. It is followed by TIM2, etc. The flashing red arrow indicates which message is currently being played back. The DOT display shows the recording time of the retrieved message.

If you would like to retrieve a specific message,

- press the corresponding key.

After the last message, the audio system will switch back to the previous operating mode. Press **TIM** to return to the previous operating mode immediately.



## Warning

### An automatic power antenna might be damaged in a car wash

An automatic power antenna will remain extended when TIM is active and you switch the audio system off.

If you drive through a car wash with the antenna extended, this could cause serious damage.

Read the next section to find out how to interrupt the TIM standby function for the time you are using a car wash.

### Temporarily interrupting the TIM standby mode (before driving into a car wash)

- Switch off the radio before driving into the car wash.

If the display goes out immediately, the TIM standby mode is inactive and the motor antenna will retract.

You can now drive into the car wash.

However, if “TIM on” briefly shows on the display panel when you switch off the audio system, the TIM standby mode is active.

- Press **TIM** for approx. 2 sec.

“Stby off” will appear briefly in the display.

The antenna will retract (please check) and will remain retracted until the audio system is switched back on.

Now the TIM standby mode is temporarily inactive.

You can drive into the car wash.

The standby function will be automatically re-activated when you switch the radio on again. The power antenna will extend.

### Important!

In order to prevent possible damage, do not switch on the radio until you have left the car wash!

# CD operation / CD changer operation

You can play CDs on this audio system. In addition, CDs can be played on the Blaupunkt CD changers, CDC A 06, A 072, A 08 or A 071.

These changers can be purchased at any authorised retail outlet.

## Note:

Use only standard circular CDs measuring 12 cm in diameter!

CDs measuring 8 cm in diameter or CDs in different shapes such as a butterfly or beer mug are not suitable for playback using this equipment.

This is very likely to result in the destruction of the CD or the CD drive.

We assume no liability for damage to the equipment caused by playing unsuitable CDs.

## CD operation

### Inserting a CD

- Switch on the unit and press ① to unlock the operating panel.

The operating panel will fold down forward.

- Insert a CD (with the label facing up). Never use force.

The CD will be transported to its playing position automatically. CD playback will start.

- Push the operating panel up on the left-hand side and lock it into position.

### Removing a CD

- Unlock the operating panel and press the Eject button (arrow) for approx. 1 second.

The CD will be ejected.

To protect the CD mechanism, do not impair or try to help the automatic insertion and ejection of the disc in any way.

If the CD is not removed from the drive within approximately 30 seconds, it will be re-inserted automatically.



**For safety's sake, the operating panel must remain locked when the vehicle is in motion.**

### Switching on CD operation

Make sure that a disc is inserted, "DISC-IN" will appear in the display.

- Press **CD**, the CD functions will appear in the display, e.g. track number, name/playback time.

## CD changer operation

### Switching on CD changer operation

Make sure that at least one CD has been inserted into the magazine.

- Press **CDC**, the CDC functions will appear in the display, e.g. CD and track number, name/playback time.

## CD and CD changer operation

### Selecting the display mode

You can select the desired display mode for CD and CD changer operation:

- Press **DIS** as often as necessary until you have selected the desired display mode.



Top line



DOT display

"TRACK 1" – CD track number (CD operation)

or



“CD 2 T 2” – CD number and track number (for changer operation only)

The DOT display will indicate the elapsed playback time.

or

“VIVALDI” – CD name

or

“14:34” – Time

The DOT display indicates the CD track number.

The CD name will not be displayed unless a name has already been entered.

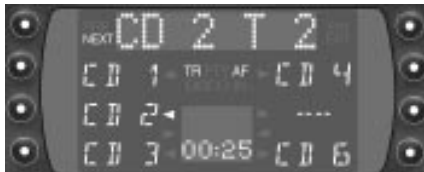
Please refer to the section on “Entering CD names”.

## CD changer operation

### Selecting CDs

In menu level 1, two pages indicate which magazine slots have CDs in them. Use **NEXT** to page through this list.

If you have named the CDs, the first four letters in the name will appear in the display instead of the CD number.



- Press the corresponding key to select a CD.

You can also use **<</>>** on the rocker switch to select CDs.

## CD and CD changer operation

### Selecting tracks

You can use the rocker switch to conveniently select tracks or passages.



#### **^ / v** Track selection

**Up:** Press briefly.

**CUE - fast advance (audible):** Hold pressed down.

**Down:** Press twice or as many times as required.

**To re-start a title:** Press briefly.

**REVIEW - fast reverse (audible):** Hold pressed down.

The rocker switch acts as a sequence switch so that you can skip over several CDs or tracks if you press it repeatedly.

### Repeating tracks/CDs

You can repeat a track or a CD (in changer operation) as often as desired. During CD changer operation, use **CDC** to switch the menu levels.

Use the **RPT** key to select the following functions:

- RPT Trck = Repeat track
- RPT CD = Repeat CD (changer operation only)
- RPT off = Repeat function off
- Press **RPT** as many times as necessary until you have selected the desired setting.

The CD or the track will repeat until you press **RPT** to switch off the function with “RPT off”.

## CD operation / CD changer operation

### TPM

(Track-Program-Memory)

Use this feature to program and play your favourite CD tracks in CD and changer operation.

Up to 30 CDs can be managed in the CD mode, up to 99 discs in the CDC mode, with a maximum of 40 tracks each. TPM can only be used in the mode it was stored in (CD or changer operation).

### Switching TPM playback on/off

- Press **TPM** briefly. The mode selected will appear briefly in the display (TPM on/off).

The red arrow will light up when TPM is active. All of the CD tracks stored with TPM will be played back.

TPM playback cannot be activated unless you have already stored tracks with the TPM function.

### Storing tracks with TPM

A track can only be stored while it is playing, TPM must be switched off.

For CD changer operation, press **CDC** to switch the menu levels.

To store a track

- press **TPM** for approx. 1 second, “TPM Prog” will appear in the display.

This track has been stored.

### Deleting the TPM

You can delete the tracks stored with TPM. TPM tracks can be deleted with **CLR** only when they are playing.

- Switch on TPM.

If you would like to delete the track playing

- press **CLR** for approx. 2 sec., “TR clr” will flash briefly in the display.

If you would like to delete all of the tracks on the CD playing

- press **CLR** for approx. 5 sec., “CD clr” will flash briefly in the display.

Use the DSC menu to delete all of the tracks on all of the CDs in the magazine in changer operation.

If necessary, refer to the section on “DSC programming - CDC”.

### MIX

You can have the CD tracks played in random order.

For CD changer operation, use **CDC** to switch the menu levels.

The MIX function is active when the red arrow lights up in the display.

You can choose the following MIX functions:

#### Mix CD

The tracks on the selected CD will be played in random order. For CD changer operation, the next CD will be selected in numerical order. MIX (random order) applies to the playback of the tracks.

#### Mix MAG (for changer operation only)

CDC A 08: All tracks on the CDs in the magazine will be played in random order.

CDC A 06/071/072: The CDs in the magazine are selected at random and then the tracks on the CD selected are played in random order.

#### Mix off

The Mix function is deactivated. CDs will be played in numerical order.

#### To alter MIX setting:

- Press **MIX** briefly, the function selected will appear briefly in the display.

## SCAN

Use this function to scan all of the CD tracks. For CD changer operation, use **CDC** to switch the menu levels.

### To start the Scan function:

- Press **SCAN** briefly.

The red arrow will flash to indicate that the function is active.

The titles will be scanned one after the other in ascending order.

### To stop the Scan function:

- Press **SCAN** once again briefly.

The track currently scanned will continue to play.

SCAN will also stop if you press the rocker switch, MIX, RPT, DSC or AUD.

## Entering CD names

You can enter names for up to 30 discs and in changer operation for up to 99 discs.

The specified name (e.g. VIVALDI) will appear in the display if you have selected the corresponding display mode with **DIS**.

For CD changer operation, use **CDC** to switch the menu levels.

To start the entry:

- Press **NAME**, the first of seven entry positions will begin to flash.

- Use the rocker switch  $\wedge / \vee$  to select the first character.

The capital letters A to Z, the numbers 0 to 9 and special characters are listed one after the other.

- Use the rocker switch  $\ll \gg$  to move to the next position and select a character.

You can select up to eight characters in this way.

Once you have completed the name as desired:

- Press **ENT** in order to store it.

If you would like to name another CD,

- insert a new disc for CD operation

Or

- press  $\ll / \gg$  to select the CD for changer operation.

You can change any existing name by entering and storing a new one (overwriting).

## Deleting CD names/TPM at the same time

Use the DSC menu to delete the CD names and the TPM at the same time.

The names for individual CDs and for CDs in the CD changer are deleted separately.

Use "CD" to delete the name stored for the CD in the CD drive and its TPM.

Use "ALL" to delete the names and TPM for all of the CDs in the mode selected (CD or CDC).

To begin the deletion process:

- Press **DSC**.
- Press **CD** or **CDC**.

To delete one CD

- press **CD** for approx. 1 sec. "CD clr" will appear briefly in the top line of the display.

To delete the names for all of the CDs

- press **ALL** for approx. 4 sec. "Memo clr" will appear briefly in the top line of the display.

To return to the DSC menu:

- Press **ENT** briefly.

Press **EXIT** or **DSC** to quit the DSC menu.

# Clock - Time

This car audio system is equipped with a built-in clock which automatically takes advantage of RDS to ensure highly accurate time-keeping (hours, minutes).

For the clock to function properly with RDS, an RDS station with the CT function (CT - clock time) must be received.

If this signal is not available, the audio system will attempt to receive the DCF-77 time signal (atomic clock) to correct the time the next time it is switched off. The display will indicate "CLK Sync" while it is synchronising the time.

The automatic time correction feature can be switched off.

## Displaying the clock

You can set the clock to permanent display in any of the operating modes (radio, CD, changer).

To do so

- Use **TU**, **CD** or **CDC** to select the operating mode.
- Press **DIS** repeatedly until the time appears in the top line of the display.

The clock will now appear in the display as the main element.



## Clock display when the audio system is switched off

You can have the clock displayed when the ignition is switched on, but the audio system is switched off. Make the corresponding setting in the DSC menu.

If necessary, refer to the section on "DSC programming - CLK, VIEW".

## Setting the clock

### a) automatically

The clock is set automatically when the radio is tuned into an RDS station which has the "CT" function (clock time).

### b) manually with DSC-CLK

It is not necessary to adjust the clock manually unless it is not possible to receive an RDS radio station with CT (Clocktime).

If you would like to set the clock manually, refer to the section on "DSC programming - CLK, SET".

## Selecting a 12 or 24-hour mode

You can choose whether the time is displayed in a 12 or 24-hour mode.

If necessary, refer to the section on "DSC programming - CLK, MODE".

## Synchronisation

To improve the accuracy of the internal clock, it can be synchronised on a regular basis. This is only possible when the time is received via an RDS-CT signal and the automatic synchronisation feature is switched on (default setting).

If the RDS-CT signal is not available, the audio system will attempt to receive the DCF-77 time signal (atomic clock) to correct the time the next time it is switched off.

The display will indicate "CLK Sync" while it is synchronising the time.

If you would like to switch off the synchronisation feature, refer to "DSC programming - CLK, SYNC".

# Setting the equaliser

The acoustic characteristics of the car interior affect the quality of the sound reproduced in your vehicle to a much greater extent than the speakers.

Position, installation and the rear volumes of, for example, the door or rear window shelf all play an important role.

Even the sound produced by well selected and installed speakers can be affected negatively by resonance frequencies in the vehicle interior.

As a result, the bass sounds may be lost or reverberate, the mid-range tones sound too overpowering and music instruments or voices may be distorted or the total sound quality may be completely lifeless.

The overall sound quality can be greatly enhanced if certain frequencies are suppressed or boosted.

This car stereo is equipped with 2 parametric filters. The first filter “LOW” can be set from 32 to 500 Hz, the second filter “HIGH” from 630 to 10,000 Hz. In this context, parametric means that it is possible to set **one** frequency for each of these filters and either boost or reduce it (+10 to -20 dB) individually.

These parametric filters can be adjusted to very exact settings even without the help of measuring instruments.

The individual steps you have to take to make these settings are described in the table.

## Notes on making the settings

The following notes are intended as recommendations only. They do not necessarily reflect your own personal sound preferences.

We recommend that you use a music CD you are familiar with to make the settings.

The CD should include tracks with different instruments and vocals. Purely electronic music is not well suited to serve as a basis for making the settings because the original sounds cannot be determined.

Before you set the equaliser, set bass, treble, balance and fader to “0”.

This setting is described in the Quick Reference under ⑨ **AUD**.

Now listen to the CD you have selected.

Evaluate the sound according to your own personal preferences.

Now refer to “Sound impression/problem” in the table and you will find suggestions to eliminate any problems under “What to do”.


Make the settings for bass and the lower mid-range tones with the LOW filter, select HIGH for treble and mid-range tones.



The “HIGH” and “LOW” filters can be set in the AUD menu, page 2:

- Press **AUD** and **NEXT** one after the other.
- Select the filter you would like to adjust (“LOW” or “HIGH”).



- Press << >> to set the frequency.
- Press  to set the level as described in the following table.
- Press **ENT** to store your settings.

# Setting the equaliser

## Switching the equaliser on/off

The equaliser can be switched on and off in the AUD menu, page 2.



- Press **AUD**, **NEXT** and **DPE** one after the other.

“DPE on” or “DPE off” will appear in the display.

- Press << to switch the function off or >> to switch it on.

The equaliser will switch on automatically if you have adjusted LOW or HIGH.

Now you can compare the sound produced by your car audio system with and without the equaliser.

## Setting recommendations on the Internet

Refer to our home page on the Internet

<http://www.blaupunkt.de>

to find setting recommendations for new vehicles on the market.

# Setting the equaliser

## Assistance in setting your equaliser

Start to make your settings in the mid-range/treble and end it with the bass range.

Frequency range	Sound impression/problem	What to do	Notes
<b>Bass</b> 30 – 100 Hz	Bass reproduction too weak	Boost the bass with the “LOW” filter Frequency: 50 to 100 Hz Level: +4 to +6 dB	Avoid distortion. Boost the level carefully if the speaker diameter is too small.
<b>Lower mid-range</b> 100 – 400 Hz	Unclear bass Playback reverberates Unpleasant pressure on the ears	Reduce the lower mid-range with the “LOW” filter Frequency: 125 to 400 Hz Pegel: approx. -4 dB	The tone may become too lean and aggressive. Pay attention to the underlying tone of the music.
<b>Mid-range sound</b> 400 – 4 000 Hz	Sound appears to be too much in the foreground, very aggressive, no stereo effect	Reduce the mid-range with “HIGH” filter Frequency: 1 000 to 2 500 Hz Level: -4 to -6 dB	Playback should not be too quiet. Tone too powerless.
<b>Treble</b> 4 000 – 20 000 Hz	Lifeless reproduction Lack of transparency Instruments do not sparkle	Boost treble range with “HIGH” filter Frequency: approx. 10 kHz Level: +2 to +4 dB	Avoid a piercing type of tone. Strong hissing sound unpleasant.

# DSC programming

This car audio system has been equipped with DSC (**D**irect **S**oftware **C**ontrol) to allow you to customise certain programmable, basic settings to suit your personal needs and preferences and then store them.

The basic settings for this audio equipment were made at the factory.

In the following you can find an overview of these settings, so that you can always reset to them if desired.

The DSC menu is divided into different areas.



TUN – Tuner  
Settings for radio operation

DISP – Display

VAR – Various  
Diverse Einstellungen

KC – KeyCard

CLK – Clock (time)

If you wish to alter any of the programming,

- press **DSC** and select the area, e.g. TUN.



- Select the function you want to adjust and press the corresponding key.

Use the rocker switch to select and adjust the functions described in the following. The display will show you the setting you have selected.



Press **ENT** (Enter) to confirm your entry. Return to the previous menu to make any further changes in the DSC menu.

Press **DSC** to quit the DSC menu.

## TUN (Tuner)

Use this menu to make any adjustments to radio operation.

### NAME

Enter your own four-digit names for stored FM stations.



DEF - Resets function to the default setting (text/frequency)

PREV - Select the entry for a previous station preset

CLR - Delete entry

NEXT - Select the entry for the next station preset

Use the rocker switch to select the entry position and the character. Following your entry, move to the next position or press **ENT** to complete your entry.

The altered name will now appear in the display in front of the corresponding station key.



## PTY

Use to select the language used to indicate the program type: Deutsch, English or Francais.

## SHARX

Switches the bandwidth in the FM frequency range.

When there are a large number of stations within your current reception range, use << >> to switch to Sharx on which will prevent most interference from adjacent radio stations.

This function has been set to "Sharx on" at the factory.

## S-DX

To adjust the seek tuning sensitivity.

"dx" stands for distant reception.

Select "dx3" if you want to receive strong stations which are further away, select "dx1" if you also want to tune into weaker stations which are further away.

## S-LO

To adjust the seek tuning sensitivity.

"lo" stands for local reception.

Select "lo3" if you want to receive strong stations in the local area, select "lo1" if you want to tune into weaker stations in the local area.

## HCUT

Interference-related cut in the treble sound. Cuts the treble when interference occurs.

Can be adjusted from NO HICUT (off) to HICUT 3 (highest setting). Switch off Hicut with <<, adjust the values with  $\wedge$  /  $\vee$ . Which setting is the most pleasant is a matter of personal preference.

## DISP (Display)

Use this menu to make the display settings.

### ANGL (angle)

Use  $\wedge$  /  $\vee$  to adjust the display to your individual viewing angle.

### DIM

Use  $\wedge$  /  $\vee$  to adjust the display brightness for day and << >> for night.

### FADE

Switches display off automatically.

Fader 1 - 15 sec. after the last adjustment is made the display will switch off completely.

Fader 2 - The top line remains illuminated, everything else switches off after 15 sec.

Use  $\wedge$  /  $\vee$  to adjust the setting.

Fade off - The display remains on permanently when the audio system is switched on.

Use << >> to adjust this setting.

## VAR (Various)

Use this menu to make a number of different settings.

### TVOL

Use  $\wedge$  /  $\vee$  to adjust the traffic announcement and warning beep volume from between 0 to 66.

The traffic message will then come through at this volume, if the standard volume is lower.

If the standard volume is set higher than the TVOL level, then the traffic report will be played at the standard volume.

### BEEP

Acknowledgement tone for all functions which require a button to be pressed for more than one second.

Use  $\wedge$  /  $\vee$  to set the volume between 1 and 9. Switch off Beep with << .

## **DLAY (Delay)**

If an amplifier has been connected to the system, this setting can prevent the annoying power-on pop noise. Use the delay function to switch on the amplifier with a slight delay.

“Delay 1” = 250 ms to “Delay 9” = 2.25 sec. delayed power-on.

## **VOL (Volume)**

Select the power-on volume.

Use  $\wedge$  /  $\vee$  to adjust the desired volume level. If you use  $\ll$  to select “Last VOL”, the system will come on at the volume selected before it was switched off.

## **SCAN (SCANTIME)**

Set the scan time for the Scan and Preset scan functions from 5 to 30 seconds. This setting is valid for the radio or CD scan.

## **HP-F (High pass function)**

The proportion of low frequencies can be reduced. It is advisable to take advantage of this function when you have connected a subwoofer.

Use  $\wedge$  /  $\vee$  to select filters 1-5.

Use  $\ll$  to switch the high pass function off.

## **KC (KeyCard)**

Use this menu to make adjustments to the KeyCard settings.



### **READ**

To read out the KeyCard data.

The card supplied with the radio is used to display the model name, type number (7 6..) and the serial number.

With the extra card it is possible to display data entered by your specialised dealer.

(See the section on “Short Additional Memory S.A.M.”).

If you remove the KeyCard during the reading process, “Insert” will appear on the display panel.

### **LRN (Learn)**

To “train” a second KeyCard.

Please read the information in the section on “KeyCard theft protection system” - “Training a second KeyCard”.

## **LED (Light Emitting Diode)**

When the audio system is switched off and the KeyCard has been removed, you can have the ON knob and an LED in the CD slot flash as additional theft protection.

The flashing light is not visible unless the operating panel is open.

LED off  $\ll$   $\gg$  LED on.

Refer to the information in the section on “KeyCard theft protection system” - “Flashing light as theft protection”.

## **TOM**

If you have a second KeyCard with a Turn-On Message, you can switch off this information with “TOM off”. The default setting is “TOM on”.

TOM off  $\ll$   $\gg$  TOM on.

For more information refer to “KeyCard theft protection system” - “Turn on Message (T.O.M.)”.

## CLK (Clock)

Use this menu to adjust the clock settings.



### SET

The time is set automatically when the audio system is tuned into an RDS station with the “CT” (clocktime) function.

If this signal is not available, it is possible to adjust the clock with “SET”.



The time will flash in the top line of the display in 12 (a.m./p.m.) or 24-hour mode.

Use << />> to select the value you want to adjust (hours/minutes), use ▲ / ▼ to adjust the value.

### SYNC

The time is synchronised automatically with the RDS-CT signal.

This synchronisation function can be switched off when you want to display a different time or when the RDS-CT and DCF-77 time signals (atomic clock) are not strong enough.

Use the rocker switch ▲/▼ to select the type of synchronisation:

- RDS Sync
- DCF Sync
- AutoSync
- Sync off

Use << on the rocker switch to switch synchronisation off (“Sync off”). Use >> to return to the previous mode.

### RDS Sync

The clock is synchronised with the RDS-CT signal only.

### DCF Sync

The clock is synchronised with the DCF-77 signal only. When you switch off the audio system (by pressing ON for approx. 1 sec.), the system will not switch off immediately in order to synchronise the time first. While this process is taking place, you will hear “Big Ben”. After the synchronisation has been

completed, the system will switch off after a couple of minutes. If the DCF-77 signal is not available, the system will switch off after a few seconds.

### AutoSync

The clock is synchronised with the RDS-CT signal or the DCF-77 signal. The system will not attempt to receive the DCF-77 signal unless the time cannot be synchronised with the RDS-CT signal.

### Sync off

The internal clock will not be synchronised.

### MODE

Select the clock display. (12h mode << />> 24-h mode).

If you select the 12h mode, a.m. will appear to indicate the morning hours and p.m. for the afternoon/evening.

### VIEW (Displaying the time)

There are a number of different display modes, depending on how the audio system has been connected.

a) the audio system can be switched off with the ignition.

The system is switched off with “ON” when the ignition is switched on.

# DSC programming

The time will be displayed if you have adjusted the corresponding setting to “CLK on”. The display will switch off when the ignition is switched off.

b) the audio system can only be switched off with “ON”, not with the ignition.

The system is switched off.

The time will be displayed if you have adjusted the corresponding setting to “CLK on”.



To prevent the battery from being run down, this display will switch off after 3 hours.

## CDC (Changer)

Will not appear unless a CD changer has been connected and the DSC menu is activated in the changer mode.

This function is used to delete names and the TPM.

- CD – Deletes the name and TPM of the selected CD
- ALL – Deletes the names and TPM of all the CDs
- PREV – Selects the previous CD
- NEXT – Selects the next CD.

For more information refer to “Deleting CD names/TPM at the same time”.

## To quit the DSC programming mode and store the adjustment:

- Press **DSC**.

## Overview of the DSC default settings

### INSTALL menu

IGN	on
AMP	on
AUX	off

### TU(ner) menu

TA	off
AF	on
REG	off
LOC	off
RT	off
PTY	off
MONO	off

### DSC menu

#### Tuner

PTY (language)	Deutsch
SHARX	on
LO	1
DX	1
HICUT	2

### Display

ANGLE	0
DIM	Day 9 Night 7
FADE	off

### Various

TVOL	35
BEEP	3
DLAY	3
VOL	25
SCAN (Time)	10 sec.
HP-F	off

### KeyCard

LED	on
TOM	on

### Clock

SET	0:00
SYNC	AutoSync
MODE	24h
VIEW	CLK off

### **AUD menu**

LOW	0 dB/40 Hz
HIGH	0 dB/630 Hz
LOUDNESS	4
SUBOUT	0
DPE	off

## Amplifier

Output power: 4 x 25 W RMS power  
acc. to DIN 45324 at  
14.4 V  
4 x 40 W max. power

## Tuner

### Wavebands

FM : 87.5 – 108 MHz  
MW : 531 – 1602 kHz  
LW : 153 – 279 kHz

FM sensitivity: 0.7  $\mu$ V at 26 dB  
signal-to-noise ratio.

FM frequency response:  
20 - 16 000 Hz

## CD player

Frequency response:  
20 - 20 000 Hz

Subject to modifications!

## AF – Alternative Frequency

In RDS this function ensures that the radio always tunes into the frequency with the best reception for the station.

## AUD – Audio

Sound settings for bass and treble, balance (left/right) and fader (front/rear).

## CL – Clear (delete)

Returns to the previous menu item.

## DSC – Direct Software Control

With the help of DSC it is possible to adjust the basic default settings to your own personal preferences.

## ENT(Enter)

Press briefly to accept/store settings.

## EON – Enhanced other network

In RDS, EON makes it possible to exchange station information within a station network. Traffic information, for example, can be forwarded automatically from a traffic information station to a station which does not broadcast traffic information in the same network. After the traffic announcement has been put through, the radio switches back to the original station.

## Equalizer

Adjusts the frequencies to the acoustic conditions and personal tastes.

## EXIT

Press to end/cancel a setting.

## KeyCard

Theft protection system from Blaupunkt. The car stereo cannot be operated without the correct KeyCard. SIM cards (telephone cards) or a second KeyCard can only be trained using the original KeyCard.

## MIX

CDs/CD tracks are played in random order.

## Preset Scan

See SCAN.

## Parametric filters

Adjustable filters to alter the sound characteristics.

## PTY

Designed for the selection of a specific type of program in FM (e.g. sports, news). Also see RDS.

# Glossary - Technical Terminology

## **RDS – Radio Data System**

Service provided by radio stations to enhance radio listening pleasure.

The station name, for example, is displayed instead of the frequency.

Other RDS functions include:

- AF – Alternative Frequency
- EON – Enhanced other network
- Radio text
- REG – Regional program
- PTY – Program type
- TA – Traffic Announcement
- TP – Traffic Program

## **REG**

Regional programs have priority.

REG ON stops the radio from automatically switching to a different regional program broadcast by the same station because it has better reception. Also see RDS.

## **RPT (Repeat)**

Repeats CD tracks. In changer operation you can repeat single tracks or complete CDs.

## **SCAN**

Briefly plays the radio stations in your current reception range or the tracks on a CD in CD mode. Using Preset Scan you can scan the radio stations stored on the preset buttons.

## **Softkey (Software key)**

Key with varying functions

## **TA – Traffic Announcement (priority for traffic information)**

“TA” in the display indicates that the priority for traffic announcements has been switched on. Also see RDS.

## **TP – Traffic Program**

“TP” in the display indicates that the radio is tuned into a station which broadcasts traffic information. Also see RDS.

## **TPM – Track Program Memory**

Stores and plays your favourite tracks in CD or changer mode.

## **TS – Travelstore**

Automatically stores the stations with the best reception on the station preset buttons. Very useful during trips.

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## Service numbers

	Tel.:	Fax:
Deutschland	018 050 002 25	051 214 940 02
Belgique	025 255 444	025 255 448
France	014 010 70 07	014 010 73 20
Nederland	023 565 63 48	023 565 63 31
Great Britain	018 958 383 66	018 958 383 94
Danmark	044 898 360	044 898 644
Sverige	087 501 500	087 501 810
Suomi	094 359 91	094 359 92 36
Österreich	045 989 90 28	016 103 93 91
Greece	015 762 241	015 769 473
Česká republika	026 130 04 41	026 130 05 14
USA	180 026 6-BLAU	180 026 625 28
Singapore	006 535 054 47	006 535 053 12
Slovensko	042 175 873 212	042 175 873 229

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