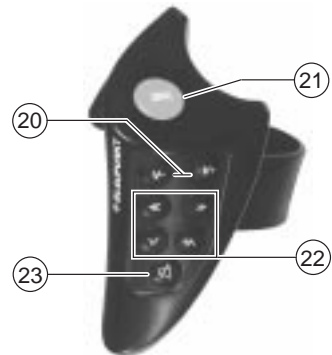
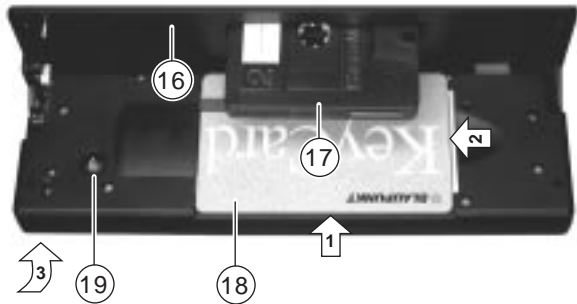
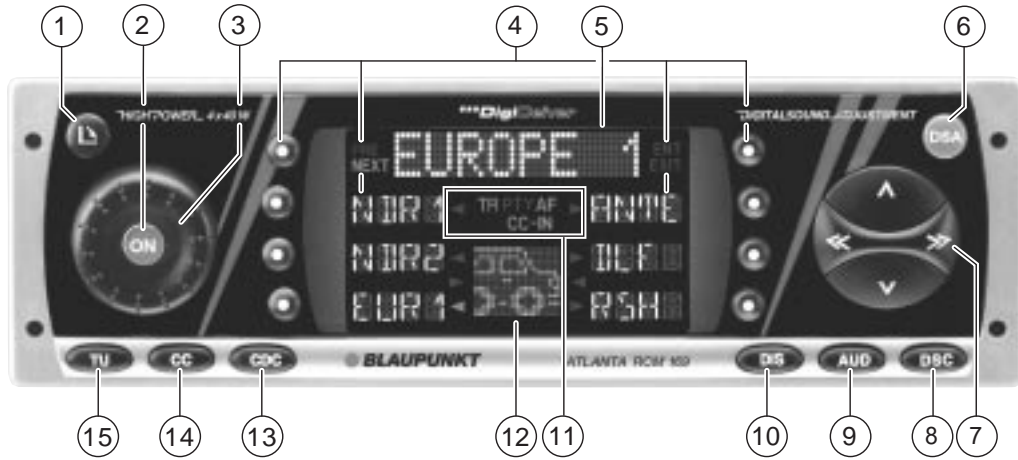


Atlanta RCM 169

Operating instructions



Erklärung der Positions-Nummern siehe Kurzanleitung



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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 cassette.

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.

Quick Reference

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.

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



SCAN

All of the radio stations within reception range on the selected waveband will be scanned.

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

(**A**lternative **F**requency 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

(**P**rogram **T**ype)

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 (**R**egional)

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.

Tape deck operation



During tape deck operation, the tape deck functions can be selected when you press the corresponding softkeys.

REVERSE

Switches to the other tape track (side). The display indicates which side (A/B) is currently playing.

SCAN

Scans the songs on the cassette briefly.

To start/stop Scan: Press **SCAN**.

When Scan is switched on, the corresponding red arrow will flash.

RPT (**R**epeat)

Repeats the scanned or the next song.

The song will continue to repeat until RPT is switched off. The Repeat function will end automatically when the cassette is removed or the tape deck is switched off.

To switch Repeat on/off: Press **RPT**.

The function will be displayed briefly in the top line of the display and the DOT display.

When RPT has been activated, the corresponding red arrow will light up.

RM (**R**adio **M**onitor)

Plays the radio while the tape is fast-forwarding or rewinding. When the red arrow lights up in front of “RM”, the radio will play when the tape is fast-forwarding or rewinding.

To switch RM on/off: Press **RM**. The function will be displayed briefly in the top line of the display and the DOT display.

BLS (Blank Skip)

Skips over blank portions of the tape. When the red arrow lights up in front of "BLS", this function has been activated.

As soon as the system detects a pause of more than 10 seconds in the tape playback, it will automatically fast-forward the tape to the next song.

To switch Blank Skip on/off: Press **BLS**. The function will be displayed briefly in the top line of the display and the DOT display.

DLBY (Dolby B NR*)

Cassettes recorded using Dolby B NR can be played back in the best possible quality. The function has been activated when the red arrow lights up in front of "DLBY".

To switch Dolby on/off: Press **DLBY**. The function will be displayed briefly in the top line of the display and the DOT display.

* The noise reduction system is manufactured under licence from the Dolby Laboratories Licensing Corporation. The word DOLBY and the double-D symbol are trademarks of the DOLBY Laboratories.

CD changer operation (CDC)



During 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. The CDs are selected in numerical order, the tracks then played back in random order.

- MIX MAG = 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 tracks on all of the CDs.

Start SCAN:

Press **SCAN**. The tracks will be scanned in ascending order.

End SCAN:

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

RPT - Repeat

CD tracks and entire CDs can be played repeatedly.

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

- REP TRCK = repeats track
- REP CD = repeats CD
- RPT off = switches the function off.

TPM - Track Program Memory

Stores and plays back your favourite tracks. It is possible to archive up to 99 CDs 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 7 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

Tape deck operation

Side A / B - Tape side
Forward - Fast forward
Rewind - Fast rewind
CPS FF/FR - Cassette Program Search forwards/back

CD changer operation

VIVALDI - CD name
or
CD 2 T 2 - CD number and track number
or
10:53 - clock

- 6 **DSA (Digital Sound Adjustment)**
DNC (Dynamic Noise Covering)
Adjusts the volume to the driving noise. Refer to the section on “DSA” or “DNC”.

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

Tape deck operation

▲/▼ **Selects title (S-CPS)**

▲ Forward

▼ Rewind

>> Fast forward

<< Fast rewind

CD changer operation

<< / >> **Selects CDs**

>> **Up:** Press briefly

<< **Down:** Press briefly

▲/▼ **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**

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 a SUB-woofers is connected to the system, it is possible to adjust the output level with "SUB" and ▲ / ▼.

To quit the AUD menu:

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).

Tape deck operation

Press **DIS:**

- Tape side
- Clock

Quick Reference

CD changer operation

Press **DIS**:

- CD number, track number
- CD number (if entered)
- Clock

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
- CC-IN - Cassette is in the tape deck

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

Tape deck operation

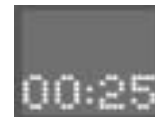


00:25 - Tape counter

or

Side A / B - Tape side

CD changer operation



00:25 - 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 if "AUX on" has been selected in the INSTALL menu.

Quick Reference

- ⑭ **CC**
Switches to tape deck operation



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

- ⑯ **Cassette slot**
Insert a cassette (Side A or 1 facing up; opening to the right).

- 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.



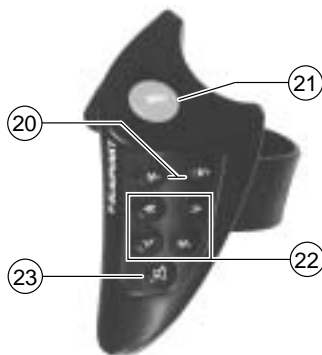
To remove KeyCard perform these steps in the reverse order. Make sure to read the information in the section on the “KeyCard theft protection system”.

- ⑲ **Eject**
Press the Eject button briefly, the cassette 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



20 V- / V+

Volume control.

21 SRC (Source)

Switches operating modes

Press **SCR** repeatedly to select.

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

22 <</>, ^ / v

Radio operation

Station seek tuning

- ^ up
- v 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, ...

Tape deck operation

^ / v Select title (S-CPS)

- ^ Forward
- v Rewind

>> Fast forward

<< Fast rewind

CD changer operation

<</> Select CD

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

^ / v 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

23



Sound mute on/off:

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

Tape deck operation

To switch tape sound on/off:

Press  briefly.

To switch tape sides:

Press  for approximately 1 second.

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:

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 use with the set as well.

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 to “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 ¹⁷

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 as described in the installation instructions.

KeyCard theft protection system

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 dipped 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 **Key1** 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 begins 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:

Clock, 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).

First-time installation

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), tape deck (CC) and CDC (CD changer).

CC cannot be selected unless there is a cassette inserted in the tape deck.

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**, **CC** 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 \wedge / \vee 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 (Alternative Frequency)** 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 upwards or downwards.

Radio operation with RDS (Radio Data System)



Seek tuning

- ^ Up
- ∨ 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 upwards.

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

Scrolling through the broadcasting 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 stations 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 until 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 ^ / ∨ 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.

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.

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 between 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.

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**.

Radio operation with RDS (Radio Data System)

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 tape deck and CD changer 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, tape deck or CD changer).

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 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

Tape operation

- 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

(Tape deck and CD changer operation)

If you leave the reception area for the traffic information station you have tuned into while you are playing the tape deck or 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”).

Inserting a cassette

- Switch on the car radio and release the operating panel by pressing ①.

The operating panel will fold down forwards.

- Insert the cassette with Side A or 1 facing up without the use of force.

The cassette will automatically be transported to its playing position. Cassette playback will begin.

- Grasp the left-hand side of the operating panel to fold it back up and lock it into place.



Removing a cassette

- With the operating panel in the fold-down position, press the Eject button (arrow) briefly.

The cassette will eject.

To prevent damage to the mechanism, do not attempt to stop or force a cassette while it is being inserted or ejected.



For safety's sake, the operating panel must always be returned to the locked position while you are driving.

Switching on tape deck operation

A cassette is inserted, “CC-IN” appears in the display.

- Press **CC**, the cassette functions will appear in the display.



Dolby B NR*

This unit can play cassettes which have been recorded with Dolby B NR or without the use of noise suppression.

Cassettes which have been recorded with Dolby B NR* exhibit significantly less tape noise as well as much greater sound dynamics.

The Dolby B NR function is active when the red arrow in front of “DLBY” lights up.

Tape operation

Switching Dolby B NR on/off:

- press **DLBY**.

* The noise reduction system manufactured under licence from the Dolby Laboratories Licensing Corporation. The word DOLBY and the double-D symbol are trademarks of the DOLBY Laboratories.

Selecting the display mode

You can switch the display mode during tape deck operation to display the tape side or the clock.

- Press **DIS** briefly.

Either the tape counter or Side A/B will appear in the DOT display.

Track reverse

To change the track during playback:

- Press **REV**.

When the tape reaches the end of a side it will automatically switch to the other side (autoreverse). "SIDE A" will appear in the display for track 1 and "SIDE B" for track 2.

Note:

If there is too much tension on the tape while it is playing, it may switch to the opposite track before it has reached the end. Check to see if the tape is wound correctly. It often helps to rewind the cassette completely.

Scanning cassette titles with SCAN

It is possible to scan the titles on a cassette. As soon as you find a title you like, you can end SCAN. This title will then continue to play.

SCAN is active when the corresponding red arrow flashes in the display.



To start/end SCAN:

- Press **SCAN**.

To ensure that this function works properly, there must be a pause of at least 3 seconds between titles.

The scan time is set to 10 seconds at the factory and can be altered from 5 to 30 seconds.

If necessary, refer to the section on "DSC programming - VAR (various), SCAN".

Selecting titles with S-CPS (Super Cassette Program Search)

To repeat and skip cassette titles.



^/∨ Select title

- ^** Forward (CPS-FF ..)
- ∨** Rewind (CPS-FR ..)

It is possible to skip up to 9 titles. To do so,

- press **^/∨** on the rocker switch as often as required.

The number of titles to be skipped will appear in the display.

Make any corrections by pressing the opposite key (**^/∨**).

Press **REV** to stop this function immediately.

To ensure that this function works properly, there must be a pause of at least 3 seconds between titles.

Tape operation

Repeating titles with RPT

RPT = Repeat

Repeats the title currently playing. This title will repeat until RPT is switched off. The Repeat function will end automatically when the cassette is removed or the unit is switched off.

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

To switch Repeat on/off:

- Press **RPT**.

The active function will appear briefly in the top line of the display and the DOT display.

To ensure that this function works properly, there must be a pause of at least 3 seconds between titles.

Fast tape forward/rewind



>> **Fast forward**

<< **Fast rewind**

Press **REV** to end fast forward or rewind.

Listening to the radio while fast forwarding or rewinding the tape with Radio Monitor (RM)

You can listen to the radio while fast forwarding or rewinding the tape (for CPS as well) instead of switching the sound to mute. The Radio Monitor function is active when the corresponding red arrow lights up in front of "RM".

To switch Radio Monitor on/off:

- Press **RM**.

The activated function will appear briefly in the top line of the display and in the DOT display.

Automatically skipping over blank portions of the tape with Blank Skip (BLS)

As soon as there is a pause of more than 10 sec. during cassette playback, the fast forward will be activated automatically to move to the next title.

The Blank Skip function is active when the corresponding red arrow lights up in front of "BLS".

To switch Blank Skip on/off:

- Press **BLS**.

The activated function will appear briefly in the top line of the display and the DOT display.

Care instructions

You should use only C60/C90 tape cassettes in your car. Protect your cassettes against dirt, dust and temperatures over 50 °C. Allow cold cassettes to warm up somewhat before playing them to ensure that the tape plays smoothly. Malfunctions in playback or sound may be caused by dirt build-up on the pinch roller and the audio head after approx. 100 hours of operation.

To remove normal dirt build-up clean the equipment with a cleaning cassette. In more stubborn cases, use a cotton swab dipped in rubbing alcohol. Never insert hard instruments into the tape deck.

CD changer operation

You can play CDs on this audio system 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.

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.

Selecting the display mode

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

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



Top line



DOT display

“CD 2 T 2” – CD number and track number

The DOT display will indicate the elapsed playback time.

or

“VIVALDI” – CD name

or

“14:34” – Clock

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”.

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 changer operation

Selecting tracks

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



^/∨ 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 as often as desired. Press **CDC** to switch the menu levels.

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

- RPT Trck = Repeat track
- RPT CD = Repeat CD
- 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”.

TPM

(Track Program Memory)

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

It is possible to enter 99 discs with a maximum of 40 tracks each (depending on the CD changer connected).

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.

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 top line of 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 top line of the display.

You can also delete all of the TPM tracks stored.

If necessary, refer to the section on “Deleting CD names/TPM at the same time”.

MIX

You can have the CD tracks played in random order.

Press **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. The next CD will be selected in numerical order. MIX (random order) applies to the playback of the tracks.

Mix MAG

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.

Press **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 tracks 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 99 discs in changer operation.

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

Press **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 7 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,

- press \ll / \gg to select the next CD you want to name.

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.

Use "CD" to delete the name and TPM stored for the selected CD.

Use "PREV" to select the previous CD and "NEXT" to select the next CD.

Use "ALL" to delete the names and TPM for all of the CDs.

To begin the deletion process:

- Press **DSC**.
- Press **CDC**.

To delete the name of 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 **EXIT**.

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

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, tape deck, CD changer).

To do so

- Press **TU**, **CC** 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”.

Use **DSA** to activate and adjust the equalizer functions and to perform DNC (dynamic noise covering). This allows you to adjust the sound of your car hi-fi system ideally to the listening conditions in the interior of your car.

An overview of the equalizer functions

In-car hi-fi sound is affected by such things as the car interior (cushioning, windows), position of the speakers, etc.

You can use the integrated equalizer to store three different equalizer settings each for the right and left channel (EQ1 - EQ3).

Seven frequency bands can be adjusted per channel.

These settings can be made automatically using the hi-fi self-adjustment feature or manually.

The automatic settings can also be adjusted manually.

In addition, there are five pre-set equalizer settings which cannot be altered.

Activating the equalizer settings

You can activate the equalizer settings in the DSA menu.



- Press **DSA** and **EQ** one after the other.



The setting selected last will appear in the top line of the display.

“EQ1”, “EQ2”, “EQ3” or “ROCK”, “POP”, “JAZZ”, “CLASSIC”, “VOCAL”.

The DOT display will indicate the frequency band settings for the left or right channel for this equalizer setting.

The “EQ1 - EQ3” settings can be selected automatically with the hi-fi self-adjustment feature and/or set manually. If necessary,

refer to the section on “Self-adjusting equalizer” or “Manual equalizer adjustment”.

The settings for “Rock to Vocal” are fixed values which cannot be adjusted.

- Press \wedge/\vee to select the desired setting.

Switching the equalizer on/off

- To switch the equalizer off, press \ll . “EQ off” will appear in the top line of the display.
- To switch the equalizer on, press \gg .

Self-adjusting equalizer (Hi-fi self-adjustment)

This car stereo is equipped with a self-adjusting, adaptive 7-band equalizer for two channels.

The left and the right channel can be adjusted electronically for each equalizer setting.

Hi-fi self-adjustment

You can take electronic readings and store them for three different situations, e.g.:

EQ 1 for the driver alone

EQ 2 for the driver and a front-seat passenger

EQ 3 for passengers in the front and back

To take the reading hold the microphone in the corresponding position.

For EQ1 (driver alone), hold the microphone directly where the driver’s head would be. For EQ2 (driver and front-seat passenger), hold the microphone between the driver and front passenger seat and for EQ3, hold the microphone directly in the centre of the vehicle (left/right, front/rear).

These readings must be taken in a quiet area. Outside noise will distort the results. Make sure that nothing impedes the sound being emitted from the speakers. The microphone must be connected to the car stereo system.

Starting the hi-fi self-adjustment

The car stereo system must be switched on.

- Place the microphone as required for the setting you want to store.

The reading will not be correct if the microphone is held in the wrong position.

To start the hi-fi self-adjustment, activate the DSA menu.

- Press **DSA** and **EQ** one after the other.

The setting selected last will appear in the top line of the display.



- Press \wedge/\vee to select the setting you want to alter (EQ1, EQ2, EQ3).

To start the self-adjustment



- press **ADJ** and **AUTO** one after the other.

“MicPos5” will appear in the top line of the display, the countdown will begin.

Following the countdown, the fully automatic self-adjustment will begin.

Noise which gradually increases in volume will be emitted from the speakers; the top line of the display will flash at the same time. Make sure that your surroundings are as quiet as possible while the reading is being taken.

As soon as the self-adjustment has been completed, the setting which has been adjusted will appear in the top line of the display. A graph indicating the values set will appear in the DOT display.

If desired, proceed to take readings for the remaining adjustable settings.

If necessary, you can alter the self-adjusted settings to suit your own individual tastes. Refer to the section on “Manual equalizer adjustment”.

Note:

All of the car speakers should be connected correctly when you take the readings.

If the speakers or the microphone are not connected to the system properly when you attempt to take the readings, the self-adjustment process will be interrupted and “Error” will appear briefly in the top line of the display.

The previous setting will not be altered.

Manual equalizer adjustment

If you prefer to adjust the equalizer manually, you can enter the settings for EQ1 to EQ3 manually.

However, you can also adjust the settings made electronically to suit your own individual tastes.

You can set seven frequency bands from 64 Hz to 15600 Hz separately for the left and right channel.

Altering the setting manually

- When the equalizer is switched on, press **DSA** and **ADJ** one after the other.

The setting selected last will appear in the top line of the display.

- Press \wedge/\vee to select the setting you want to alter (EQ1, EQ2, EQ3).



- Press **LEFT** or **RGHT** to alter the frequencies for the corresponding channel.
- Press **<< >>** to select a frequency band.
- Press \wedge/\vee to select the intensity.

Set all of the frequency bands one after the other for the left and right channels.

After you have completed your setting

- press **ENT**.

Now you can alter the next setting.

To quit the menu

- press **EXIT**.

Activating an equalizer setting

If you would like to select a different equalizer setting, e.g. “CLASSIC” instead of “JAZZ”,

- press **DSA** and **EQ** one after the other.

The setting selected last will appear in the top line of the display.

- Press \wedge/\vee to select: “EQ1”, “EQ2”, “EQ3” or “ROCK”, “POP”, “JAZZ”, “CLASSIC”, “VOCAL”.

- and press **ENT**.

Press **EXIT** to quit the **DSA** menu.

DNC – Dynamic Noise Covering

DNC is used when the vehicle is in motion to boost the car audio system's volume to a level which is considered pleasant in the stationary vehicle.

The volume is boosted at different levels for the different frequency ranges, depending on the amount of noise which develops in the vehicle.

This keeps the volume and the sound of the audio equipment at acceptable levels while the background noise changes. Short-term noise, such as the noise made when you drive over a set of railway tracks, will not affect the volume.

Adjusting DNC

If DNC is to operate correctly for your vehicle, it is necessary to take a reading with the microphone. Take the DNC reading after you take the hi-fi self-adjustment readings. Use the enclosed tape to secure the microphone somewhere near the dashboard, but not in the foot area, near anything that reverberates or near the heating/cooling fans.

The microphone head must be facing towards the passengers. The reading should be taken in a quiet area with the engine switched off.

To start taking the reading:

- Press **DSA**.



- Press **DNC** for approx. 1 sec. until "DNC Adj" appears in the top line of the display.

The DNC reading will now begin and be completed fully automatically.

As soon as "DNC 3" appears in the top line of the display, the reading has been completed. The value will be set to average DNC sensitivity automatically.

Adjusting DNC sensitivity

The volume boost can be set to five different levels:

Select DNC 1 if you have a loud engine and usually listen to music with a lot of bass, select DNC 5 if your vehicle runs very quietly and you usually select classical music. After you have taken a reading, the value will automatically be set to DNC 3.

To alter the sensitivity

- press **DNC** briefly, the value selected will appear in the top line of the display.

Press \wedge/\vee to alter the value as desired.

Press **ENT** to store this new setting and press **EXIT** to quit the DSA menu.

Switching DNC on/off

- To switch DNC off, press \ll . "DNC off" will appear in the top line of the display.
- To switch DNC on, press \gg .

Safety information

If the microphone is placed in the wrong position, the DNC reading will be incorrect.

As a result, the volume might be boosted too much while you are driving (could startle the driver).

Please make sure to position the microphone correctly.

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 Français.

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 radio, cassette 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 cassette 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.)”.

DSC programming

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 << />> 24h 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.

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 running 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 off
FADE	

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

DSA	off
DNC	off
LOUDNESS	4
SUBOUT	0

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 μ V at 26 dB
signal-to-noise ratio.

FM frequency response:
20 - 16 000 Hz

Tape deck

Frequency response:
30 - 20 000 Hz

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).

Autoreverse

See Reverse.

BLS – Blank Skip

Automatically skips longer portions of blank tape during cassette operation, e.g. at the end of the tape.

CL – Clear (delete)

Returns to the previous menu item.

CPS – Cassette Program Search

Repeats and skips cassette titles.
Use S-CPS to select specific cassette titles.

Dolby B NR

The noise reduction system manufactured under licence from the Dolby Laboratories Licensing Corporation.

The word DOLBY and the double-D symbol (DD) are trademarks of the DOLBY Laboratories.

Cassettes which have been recorded with Dolby B NR exhibit significantly less tape noise as well as much greater sound dynamics.

DNC – Dynamic Noise Covering

Automatically boosts the volume of the car audio system to cover the driving noise.

DSA – Digital Sound Adjustment

The sound is adjusted digitally by a self-adjusting equalizer.

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.

Subject to modifications!

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.

PTY

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

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.

Reverse

Switches the tape running direction during cassette playback. Autoreverse automatically switches to the other side at the end of the tape.

RM – Radio Monitor

Automatically switches to radio playback while the tape is fast forwarding or rewinding.

RPT (Repeat)

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

SCAN

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

S-CPS – Super Cassette Program Search

See CPS.

Softkey (Software key)

Key with varying functions

Glossary - Technical Terminology

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 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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	Tel.:	Fax:
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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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