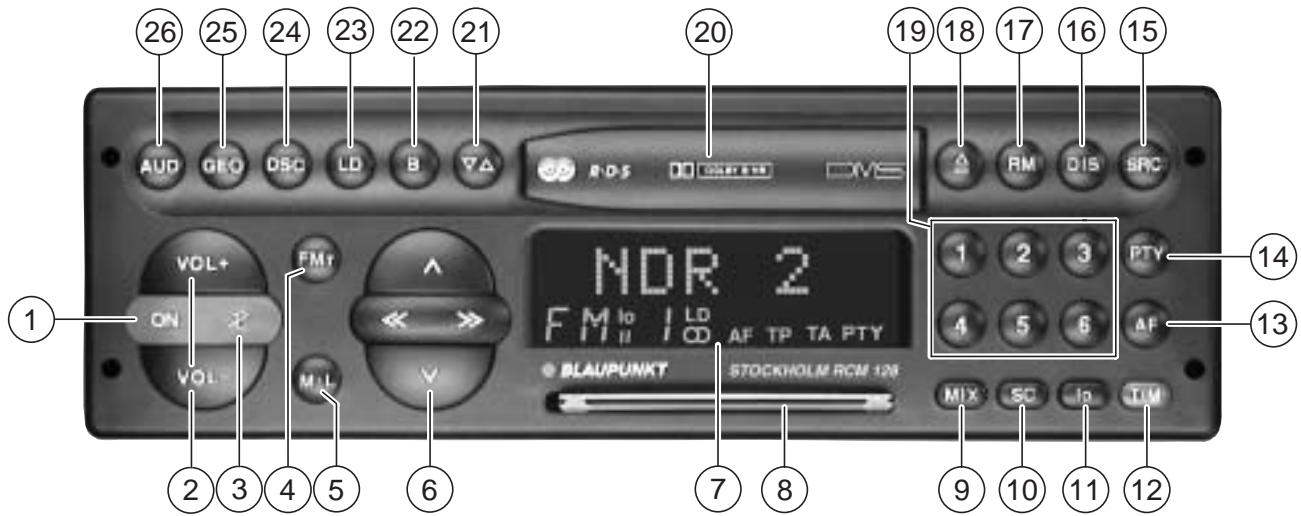


Radio / Cassette

Stockholm RCM 128

Operating instructions





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Quick reference

- ① **Switching on/off with the ON button:**
Press **ON**.

When switching the set on with the **ON** button, the KeyCard has to be inserted. The unit will play with the pre-adjusted volume.



Switching on/off with the KeyCard:
The set has to be turned on via the **ON** button.

Note:
Read the information in chapter “Key-Card theft protection system”.

Switching on/off via the ignition:
When connected correspondingly, the set can also be turned on and off via the vehicle ignition.
After the ignition has been switched off, a double beep tone will remind you that you should remove the KeyCard before leaving your vehicle.

Switching on with the ignition being switched off:



To keep on operating the set when the ignition is switched off (KeyCard is inserted), proceed as follows:
Press **ON** after the double beep tone.
The unit will be turned on.

To avoid that the battery goes flat, the system will be turned off automatically after a playback time of one hour.


- ② **VOL+ / VOL-**

To alter the volume.
Each time the set is switched on, it will play with the pre-adjusted volume (VOL FIX).
You may also change the VOL FIX setting (see chapter “DSC programming”).

- ③ 

For instantly muting the volume.
By pressing the  button the volume will be muted immediately. “MUTE” will appear in the display.
The function is cancelled by pressing button  or **VOL+**.
When pressing **VOL-**, the normal volume will be by one grade lower than the mute volume.

To programme the mute volume level, proceed as follows:

- Adjust the desired volume.
- Press  for two seconds until you hear a beep.

Now this volume level is stored as your mute volume.

Extra function 

Memory button in the DSC menu.

- ④ **FMT**

Press repeatedly to switch between the FM memory banks I, II and T (Travelstore).
When pressing this button, the system will automatically switch to FM.

Extra function FMT

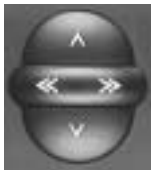
To **store** the six most powerful stations automatically **with Travelstore:**
Press **FMT** until you hear a beep or “T-STORE” appears in the display.

- ⑤ **M•L** - toggle switch

To toggle between medium and long wave reception.

⑥ Rocker switch

Radio operation



▲/▼ **Station search**

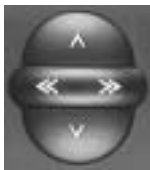
▲ Up

▼ Down

<</>> Up/Down in short intervals when AF is **off**

<</>> To scroll through the station networks when AF is **on**,
e.g. NDR 1, 2, 3, 4, N-JOY, FFN,
ANTENNE

Tape operation



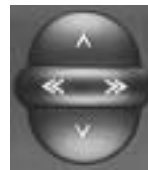
▲/▼ **Title selection (S-CPS)** ▲ Up ▼ Down

>>> **Fast forward**

<<<< **Fast rewind**

Stop function by pressing $\Delta\nabla$.

Changer operation (optional)



CD selection

>>> **Up**

<<<< **Down**

Title selection

▲ **Upwards:** Press briefly.
CUE - fast advance (audible):
Keep depressed.

▼ **Downwards:** Press as many times
as required.
To re-start a title: Press briefly.
REVIEW - fast reverse (audible):
Keep depressed.

Extra rocker switch functions:

Further setting functions with

AUD (26)

GEO (25)

DSC MODE (24)

PTY (14)

Condition: The corresponding function
has to be activated.

7 Display



- a) NDR2 - Station name
- b) TR 2 - Track (side) 2 of the cassette
- c) VIVALDI - CD name or
- d) 1 : 52 - CD time (playback time) and number for changer operation (optional)
- e) FM - Waveband

- f) Io - Seek tuning sensitivity
- g) I, II, T - Memory bank I, II or Travel-store
- h) 6 - Preset button (1-6)
- i) LD - Loudness
- j) - Stereo
- k) AF - Alternative frequency for RDS operation
- l) TP - A traffic station is being received
- m) TA - Priority for traffic stations
- n) PTY - Programme type function
- o) B - Dolby B noise reduction
- p) MTL - A metal or CrO₂ type is being played
- q) RM - Radio-Monitor (to listen to the radio during fast tape winding)
- r) BLS - Blank-Skip (to skip un-recorded tape portions)
- s) MIX - CD playback in random order

8 KeyCard theft protection system

To operate the set it is necessary that the KeyCard is inserted.



For this purpose, introduce the KeyCard (with the contact area showing up) into the slot above the tongue sticking out of the unit.

To remove the card, press first to unlock.

Read also the information in chapter "KeyCard theft protection system".

Flashing KeyCard tongue

When the radio is turned off and the KeyCard removed, the KeyCard tongue can be programmed to flash for optical theft protection.

For more information see chapter "DSC programming".

This flashlight can be switched off by pushing in the tongue and lock.

⑨ **MIX**

Changer (CDC) operation (optional)

MIX CD

The CD titles will be played at random. The individual discs are selected in numeric order.

MIX MAG

The CD titles will be played at random. The individual discs are also selected in random order.

MIX OFF

The Mix function is deactivated.

Press **MIX** as many times until the desired function briefly appears in the display.

⑩ **SC**

Radio operation

Scan

Press **SC** briefly – “FM SCAN” and the name of the scanned station will alternately appear in the display. The unit will scan all stations which can be received.

Preset Scan


Press **SC** for approximately two seconds until you hear a beep. “SCAN” and the name of the scanned station will alternately appear in the display. The unit will scan all stations stored on the preset buttons. To stop Scan / Preset Scan: Press **SC** once again.

Changer operation (optional)

CD-Scan

Press **SC**. “CDC-SCAN” will appear in the display. All CD titles will be scanned briefly. To stop CD-Scan: Press **SC** once again.

⑪ **lo**

To switch the seek tuning sensitivity level: Press button briefly. To switch between mono and stereo reception: Press button for approximately two seconds (beep). The stereo symbol  will disappear for mono playback.

⑫ **TIM (Traffic Memo)**

To play back the stored traffic announcements: Press **TIM** briefly.

To switch the priority for traffic announcements on and off: Press **TIM** for approximately two seconds.

When “TA” (traffic announcement) lights up in the display, the system will play traffic stations only.

⑬ **AF**

Alternative frequency during RDS operation: When “AF” lights up in the display, the system will automatically seek a frequency offering better reception of the same RDS programme. AF on/off: Press **AF** briefly.

Regional function on/off: Press the **AF** button for approximately two seconds until you hear a beep. “REG-ON” or “REG-OFF” will appear in the display (see chapter REG - regional programme).

14 PTY (Programme Type)

In the PTY mode, the preset buttons become programme type buttons. With each preset you can select one programme type, such as for example NEWS, SPORT, POP MUSIC, EDUCATE, etc.

15 SRC (source)

You can switch between the different audio sources radio, tape, and CDC/AUX (if activated).

16 DISRadio operation

When pressing the **DIS** button, the frequency will be displayed for approximately four seconds.

Tape operation

When pressing the **DIS** button, the station name/frequency will be displayed for approximately four seconds.

Changer operation (optional)

To switch the display mode and select between name, time (playback time)

and number (disc number):

- Press **DIS** briefly.

17 RM (Radio Monitor)

Press this button to listen to the radio while fast forwarding or rewinding the tape.

To switch RM on/off: Press **RM**.

When this function has been activated, "RM" shows on the display panel.

The radio is played back during fast tape run.

18 

Press to eject the tape.

19 1, 2, 3, 4, 5, 6 - preset buttons

On FM, you can store six stations for each of the memory banks I, II and T. On MW/LW, you can store six stations each.

To store a station: Press a preset button during radio operation and hold down until the set resumes play after the muting and you hear a beep.

To recall a station: Select the desired waveband. On FM, also adjust the corresponding memory bank. Then press the relevant preset button briefly.

Extra function preset buttons

To store and recall a PTY programme type.

On FM, you can store and recall one programme type on/from each preset button when PTY is active ("PTY" lights up in the display).

20 Cassette loading slot

Insert the tape with side A or 1 facing up, the open side showing to the right.

21  Tape side selector

Press this button to switch over to the other side during tape operation. The display shows "TR 1" or "TR 2".

22 B

Dolby B NR*

Press this button to play back a tape which has been recorded with Dolby-B noise reduction. When this button is pressed, „B“ lights up in the display.

* Noise Reduction system manufactured under license from Dolby Laboratories Licensing Corporation. „Dolby“ and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

23

LD

Loudness - When listening at a low level, the Loudness function creates a more natural sound by boosting the low frequency range.

LD on/off: Press the button.

When the Loudness function is active, “LD” will light up in the display.

See chapter “DSC programming” for more information.

24

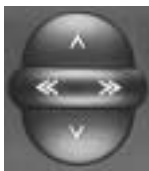
DSC (Direct Software Control)

Use the DSC function to customise certain programmable, basic settings to suit your personal needs and preferences. See chapter “DSC programming” for more information.

25

GEO

To adjust the balance (left/right) and fader (front/rear) with the rocker switch.



- ▲ Fader front
- ▼ Fader rear
- ◀◀ Balance left
- ▶▶ Balance right

The last setting will be stored automatically.

To switch off GEO: Press button once again.

If the setting remains unchanged within four seconds, the display will switch back to the previous condition.

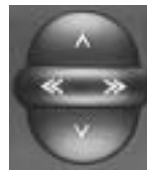
Extra function GEO

Separate balance and fader settings for traffic messages. See chapter “Adjusting GEO for traffic messages and the warning beep”.

26

AUD

To adjust the treble and bass frequencies with the rocker switch.



- ▲ Treble +
- ▼ Treble -
- ◀◀ Bass -
- ▶▶ Bass +

The last setting will be stored automatically.

To switch off AUD: Press button once again.

If the setting remains unchanged within four seconds, the AUD setting will be terminated automatically.

Important notes

Precautions

Before starting to use your new car radio, please read 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 radio 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 radio.

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

Therefore, you should always select a moderate volume for playing your car radio 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 carefully the enclosed instructions on installation and connection.

In order to ensure that the set operates properly it is necessary that the positive power supply line is connected via the ignition and the permanent +12 V lead.

Do not ground the loudspeaker outputs!

Telephone mute

If you have a mobile telephone installed in your vehicle, radio, tape or changer playback can be muted automatically when using the phone (telephone mute).

“PHONE” will then appear in the display.

When TA is active, traffic messages will always have priority. The announcement will be aborted by pressing the **TIM** button.

Accessories

Use only the accessories and spare parts approved by Blaupunkt.

You can use the following Blaupunkt products with this car stereo:

Changer

CDC A 05 or CDC F 05

Remote control

With the infrared remote control RC 05 you can control all of the important functions of your car hi-fi system from the steering wheel.



Amplifier

All Blaupunkt amplifiers

KeyCard theft protection system

This car radio is supplied with one KeyCard as standard, though it can also be operated with a second card.

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

When using two KeyCards, the settings stored on the first card will be adopted. However, you can individually store the following functions:

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

In addition, the settings activated before switching the radio off, such as the waveband, station, TA priority, AF, REG ON/OFF, SCANTIME, seek tuning sensitivity and VOL FIX will also remain stored.

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

Putting the unit into operation

- Turn on the set.
Introduce the KeyCard into the slot **with the contact area showing up** (KeyCard tongue sticking out).

The car radio is now ready for operation.

If a wrong KeyCard is inserted, then “CARD

ERR” will appear in the display. In this case please do not make any further adjustments. The system will switch off after approximately ten seconds.

When inserting another card type (e.g. phone or credit card), the display will show “WRONG KC” for approximately two seconds.

Remove the wrong card and introduce the correct KeyCard.

After the display indications “CARD ERR” or “WRONG KC”:

- Press **ON** to turn on the set.

Removing the KeyCard

Never pull out the KeyCard directly!

- First, slightly push in the KeyCard.

This releases the card and puts it in the proper position for being removed.

- Now you can pull it out.

“Training” a second KeyCard/ Replacing a KeyCard

While operating the unit with the first KeyCard, you can “train” a second one to be also used with the set:

- Insert the first KeyCard and turn on the set.
- Press the **DSC** button and select “LEARN KC” with \wedge/\vee .

- Press \ll or \gg .

The display will switch to “CHANGE”.

- Push in the KeyCard. The card is released and put in the proper position for being removed.
- Remove the first KeyCard and insert the new one while “CHANGE” is still being displayed.

After the display indication “READY” or “LEARN KC”,

- press **DSC**.

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

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

When trying to “train” a third one, the access authorisation for the KeyCard not used for the “training” process will be deleted automatically.

Displaying the radio pass data

Using the KeyCard supplied with your set you can have the radio pass data such as the model name, product number (7 6 ...) and serial number indicated on the display panel.

Please refer to chapter “DSC programming - READ KC”.

Short Additional Memory (S.A.M.)

The second KeyCard available from your specialised dealer offers you the possibility to read out any short information, which will be moved through the display, such as, for example, the phone number of your car dealer or the emergency call number of your automobile association. Please refer to chapter "DSC programming - READ KC". The freely selectable text with a maximum of 48 characters can be programmed by all dealers who have 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 all dealers who have the required equipment available.

The programmed text will be displayed each time you turn on your system with the second KeyCard.

Optical indication for extra security

Flashing KeyCard tongue

When the vehicle is stationary and the KeyCard removed, the KeyCard tongue can be switched to flash for extra anti-theft security.

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

Be sure that "LED ON" is adjusted in the DSC mode.

If required, please refer to chapter "DSC programming - LED".

Switching off the flashlight

The flashlight can be switched off by pushing in the KeyCard and lock.

If you would like to deactivate the flashing tongue with general effect, adjust the relevant item in the DSC menu to "LED OFF".

Care of your KeyCard

For a proper function of the KeyCard 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 with alcohol.

Switching the audio source

Using the SRC button you can switch between the following audio sources:

- radio,
- tape,
- changer (optional), or AUX

Tape operation is only available if a cassette is inserted.

AUX is only available if no Blaupunkt changer CDC A05 or CDC F05 is connected. "AUX ON" must be adjusted in the DSC menu.

To switch to another source,

- press **SRC** briefly.

Radio operation with RDS (Radio Data System)

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

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

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

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

But RDS offers you further advantages:

AF - Alternative frequency

The AF (**A**lternative **F**requency) function makes sure that the strongest frequency of the currently selected programme is always tuned in automatically.

This function is activated when “AF” appears in the display.

In order to switch this function on or off,

- press the **AF** button briefly.

While searching for the strongest reception signal, the radio may switch to mute briefly.

If “SEARCH” appears in the display when switching on the radio or recalling one of the stored frequencies, 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 programme becomes too bad:

- Tune into another station.

REG - regional programme

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

If you are listening to one programme and move to an area where another linked regional programme becomes stronger, the unit will switch to that programme.

If you wish to continue listening to the first programme,

- press the **AF** button for approximately two seconds.

“REG ON” appears in the display.

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

- Press the **AF** button for approximately two seconds until “REG OFF” appears. “REG ON” or “REG OFF” will be briefly displayed each time the radio is switched on.

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

- Select the desired waveband by pressing the **FMT** or **M•L** button.

To toggle between MW and LW:

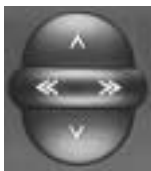
- Press **M•L**.

Station tuning

Automatic tuning \wedge/\vee

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

When keeping the upper or lower part \wedge/\vee of the rocker switch depressed, seek tuning will speed up in upwards or downwards direction.



Seek tuning

- ▲ Up
- ▼ Down
- ◀◀ Down in short intervals
("AF" must be switched off)
- ▶▶ Up in short intervals
("AF" must be switched off)

Manual tuning with << >>

You can also tune in a station manually.

Condition:

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

If necessary, deactivate these functions:

- Press **AF** or **PTY**.

Manual tuning:

- Press << >>; the frequency will change in short intervals in downwards or upwards direction.

When holding the right or left part of the rocker switch depressed, the frequency scan is speeded up.

Scrolling through the broadcasting networks (only FM)

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

If several programmes of the broadcasting networks can be received, you can scroll through them in forwards direction pressing >>, or backwards using the << button, e.g. NDR 1, 2, 3, 4, N-JOY, FFN, ANTENNE ...

For this it is necessary that the stations have been tuned in at least once and that "AF" is active (lights up in the display).

For this purpose, you may start Travelstore seek operation:

- Press **FMT** for two seconds; the system starts to run through the frequency band.

If "AF" does not light up,

- press **AF**.

With this, the requirements for selecting stations with << >> are fulfilled.

Changing the memory bank (FM)

You can shift between the memory banks I, II and T in order to store stations and recall them later.

The currently selected memory bank is indicated in the display.

- Press the **FMT** button as many times until the desired memory bank lights up in the display.

Storing stations

On FM, you can store six stations on the preset buttons **1-6** for each of the memory banks I, II and T.

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

- Select the appropriate waveband with **FMT** or **M•L**.
- Tune in a station with the rocker switch (either automatically ▲/▼ or manually << >>).
- Press the desired preset button until the radio resumes play after the muting (takes approximately two seconds, confirmed by beep).

Now the station has been stored.

The activated preset button is indicated in the display.

Notice:

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

Automatically storing the strongest stations with Travelstore

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

- Press the **FMT** button for two seconds. “T-STORE” will appear in the display.

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

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

Recalling stored stations

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

- Select the waveband by pressing **FMT** or **M•L**. On FM, also choose the corresponding memory bank by pressing the **FMT** button as many times until the desired bank appears in the display.
- Press the corresponding preset button briefly to recall the station.

Scanning stored stations with Preset Scan

You can have all of the stored stations briefly scanned on all wavebands.

To start Preset Scan:

- Press **SC** for approximately two seconds.

All of the stored stations of the adjusted waveband will be scanned one after the other. The memory bank and preset position of the currently scanned station will flash in the display.

To select a scanned station and switch off Preset Scan:

- Press **SC** briefly.

Scanning stations with Radio-Scan

You can also scan all stations which can be received.

To start the Scan function:

- Press **SC** briefly.

The scanned frequency or the station name will start flashing in the display. During the actual scanning process “FM-SCAN” or “AM-SCAN” will be displayed.

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

- Press **SC** briefly.

If no station is selected, the scan function will be automatically switched off after the frequency band has been run through completely. The unit will tune in the station listened to before starting the scan.

Changing the scan time

The scan time can be changed from between five to a maximum of 30 seconds.

Please refer to chapter “DSC programming - SCANTIME”.

Selecting the seek tuning sensitivity

You can alter the automatic seek tuning sensitivity.

If “lo” is displayed, the radio will only pick up strong, local stations (low sensitivity).


If “lo” does not light up, the radio will also pick up weaker, distant stations (high sensitivity).

The sensitivity level can be altered in both modes (see also chapter “DSC programming”).

Switching from stereo to mono (FM)

If reception is poor, you may get better sound quality by switching to mono:

- Press the **Io** button for approximately two seconds.

With mono playback, the stereo sign  will disappear from the display.

Each time the radio is switched on, stereo playback is activated.

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

PTY – Programme Type

PTY is an RDS service offered by more and more radio broadcasters. This feature allows you to select FM stations according to their programme type. After you have chosen the PTY of your preference, the corresponding stations can be selected either by seek tuning or using the scan function.

Switching PTY on/off

- Press **PTY**.

When the function is active, the programme type selected last will briefly appear in the display. “PTY” will be permanently indicated in the lower right corner of the display panel.

Programme type

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

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

Condition: PTY must be active.

Using DSC you can choose between German and English (see “DSC programming - PTY LANG”).

All of the programme types listed below are available.

The letters printed in bold are identical to the actual short-time indication in the display.

NEWS

CURRENT AFFAIRS
INFORMATION

SPORT

EDUCATE

DRAMA

CULTURE

SCIENCE

VARIED

POP MUSIC

ROCK MUSIC

M.O.R. M (middle of the road music)

LIGHT M (light classical)

CLASSICS (serious classical)

OTHER M (other music)

PTY 16 to PTY 30 are not yet assigned.

Checking the programme type of the station

- Press **PTY** for approximately two seconds.

After the beep tone the display will show the programme type offered by the tuned in station.

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

Displaying the selected programme type

- Press << or >>.

The programme type selected last will be displayed briefly.

Selecting a programme type

- Using the preset buttons
When PTY is switched on, you can use the preset buttons 1-6 to select the programme types stored at the factory.

- Press one of the presets 1 - 6.

The selected programme type will be displayed for two seconds.

If you wish to listen to a station with this PTY,

- press \wedge/\vee to start seek tuning operation.

If the system is unable to find a station offering the selected programme type, the display will show “NO PTY” and a beep tone will be released. The station received before starting seek tuning will be tuned in. You can assign different programme types to each preset position. Please refer to the next chapter “Storing programme types”.

b) Using the << >> buttons of the rocker switch
When PTY is switched on, you can select a programme type using buttons << >>.

- Press << or >>; the programme type selected last will be displayed for three seconds.
- During this period press >> (forwards) or << (backwards) to select the desired type.
- Press << or >> as many times as required.

If you wish to listen to a station offering the selected PTY,

- press \wedge/\vee to start seek tuning operation.

If the system is unable to find a station offering the selected programme type, the display will show “NO PTY” and a beep tone

will be released. The station received before starting seek tuning will be tuned in.

Storing programme types

One programme type was assigned to each of the preset buttons 1-6 at the factory. If desired, you can also store other available programme types.

To do so, make sure that “PTY” lights up in the display.

- If necessary, press the **PTY** button to switch on the function.
- Select a programme type using buttons << >> and
- hold down the desired preset button (1-6) until you hear a beep.

Now the selected programme type can be recalled by pressing this preset. For this the PTY function must be active.

Scanning stations with PTY-SCAN

Condition: “PTY” must appear in the display.

- Press the **SC** button.

All received stations offering the selected programme types will be scanned.

To switch off PTY-SCAN:

- Press **SC** once again.

PTY priority

Situation:

PTY is switched on and lights up in the display.

No station offering the selected programme type can currently be received (with seek tuning or scan).

The set will switch back to the previous station.

As soon as a programme with such PTY can be received within the broadcasting network, the unit will switch over to the corresponding station for the duration of the programme.

Example:

German broadcasting network NDR:

- Station tuned in: NDR3.
- “PTY” lights up in the display.
- Programme 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” programme.
- The system will switch to the linked station NDR2 for the duration of the “POP” programme.

Receiving traffic programme stations with RDS-EON

During tape or CDC operation, the set will also automatically switch to the programme offering the selected PTY within the broadcasting network.

After the PTY programme the system will remain in the radio mode.

Notice:

As earlier mentioned, these functions are currently only supported by a limited number of RDS stations.

The abbreviation “EON” stands for Enhanced Other Networks, meaning the exchange of information within a radio network.

Many FM broadcasters offer traffic messages for their service area at regular intervals.

All traffic programme stations transmit a special carrier signal alongside their programmes, which is decoded by your car radio. If this signal is identified, “TP” will appear in the display (Traffic Programme).

In addition to these, there are also stations which do not actually transmit traffic programmes themselves, but by using RDS-EON they offer the possibility to receive the traffic messages broadcast by another traffic programme station in the same radio network.

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

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

Traffic announcement priority on/off

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

To switch the priority on or off:

- Press **TIM** for approximately two seconds until you hear a beep.

When pressing **TIM** while a message is being broadcast, this message will be interrupted. The unit will then switch back to the previous condition, though the recording of this message in the TIM memory will remain uninterrupted.

If you press the **TIM** button once again, “RECORD” will appear in the display for approximately two seconds.

When interrupting an EON message, the radio will not continue to record the announcement since it will switch back to the programme heard before.

The priority for other traffic messages remains active.

Please note that several buttons have no function while a traffic announcement is broadcast.

Warning beep

If you leave the reception area of the traffic programme station currently tuned into, you will hear a warning beep after approximately 30 seconds.

This alarm tone will also be released when pressing a preset button which has no traffic programme allocated to it.

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 programme station allocated to it.

Alternatively:

- b) Switch off the priority for traffic announcements:
 - Press **TIM** for approximately two seconds until you hear a beep. "TA" will disappear from the display.

Automatic seek tuning start (tape and CD changer operation)

When leaving the reception area of the tuned in traffic programme station while listening to a tape or CD, the system will automatically start searching for a new TA programme.

If no such station is found within approximately 30 seconds, tape or CD operation will be stopped and a warning beep will sound. 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, though you can alter the value using the DSC function (see "DSC programming, TA VOL").

Adjusting GEO for traffic messages and the warning beep

You can separately adjust the balance and fader settings for both traffic announcements and the warning beep.

For example, it is possible to listen to traffic reports via the front left (right) speaker only.

This provides the driver with the important traffic information without bothering the rear passengers too much.

To make a setting:

- During an announcement, adjust the balance and fader settings to suit your personal preferences.

Traffic Memo (TIM)

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

When the radio is switched on and “TP” displayed, the system will record all incoming messages of the tuned in station.

If the priority for traffic announcements is activated (“TA” shown on the display panel), the set will also record the messages broadcast by the traffic station of the programme network (see also “Receiving traffic programme stations with RDS-EON”).

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.

Warning note

Danger of damaging the antenna in a car wash

If you have installed a motor antenna, then please read the corresponding warning note at the end of this chapter.

Setting the clock in the DSC menu

TIM needs the exact time in order to operate precisely. Note that the clock also has to be reset after any interruption of the power supply (flashing time display).

- Press **DSC** and the time will be displayed.
- Press << to set the hours or >> to set the minutes.

The value to be set is flashing.


To alter the value,

- press the rocker switch \wedge/\vee .

Once having completed the setting,

- press  or **DSC**.

Now the clock setting has been stored.

If you have pressed the  button, you can immediately go on working in the DSC menu.

Recalling stored traffic messages

- Press **TIM** briefly.

For example, the display shows “NDR 2” (station name or frequency), followed by “T4 14.30” (T4 = 4th traffic message recorded at 2:30 p.m.).

If four traffic messages have been recorded, T4 always represents the most recent bulletin which will also be played back first.

If the traffic memory is still empty, “NO TIM” will appear on the display panel.

If the display shows four dashes, the clock has not been reset after the last interruption of the power supply.

Use the rocker switch \wedge/\vee to play back any of the messages T1 to T4.

To repeat a message:

- Press \wedge once.

To select one of the older messages (e.g. to skip from T4 to T3):

- Press \vee as many times as required.

To select one of the more recent messages (e.g. to skip from T2 to T3):

- Press \wedge twice.

When keeping the left or right part of the rocker switch << >> depressed, the message text including its recording time will be played back quickly in forwards or backwards direction.

Press **TIM** to switch off the function.

TIM standby mode while the radio is switched off

When the radio is off, you can set the TIM timer such that the broadcast traffic messages will be automatically recorded at the programmed times. To recall these messages, proceed as described above.

Programming the TIM standby mode / TIM times

You can programme two TIM times (TIMER 1 and TIMER 2).

For example, TIMER 1 could be the time when leaving home in the morning, TIMER 2 the time when driving home after work.

The TIM times to be programmed should correspond to the approximate times of departure. The radio then records all traffic information broadcast for 90 minutes before - and after - this time, i.e. lasting a total of three hours.

Attention: During this period, a motor antenna will remain extracted. Note the corresponding warning note at the end of this chapter.



The motor antenna will be extracted

- Use the rocker switch \wedge/\vee to select “TIMER 1” in the DSC menu.
- Press << or >> to recall the adjusted time.
If “TIM OFF” is displayed, the TIM function is inactive.
- Press \wedge/\vee to set the timer.
- Press << to set the hours and >> to set the minutes.

Once you have completed the setting,

- press \blacktriangleleft or **DSC**.

The clock setting for TIMER 1 has been stored.

Proceed in the same way to set the TIMER 2.

When the radio is off, TIM will be active 90 minutes before and after the programmed TIM times.

If TIM is activated, the radio will generally stay on standby for three hours after having turned it off, independent of the programmed TIM times. When TIM is active, the display will briefly show “TIM ON” when turning off the set.

Deactivating the TIM standby mode

You can deactivate the TIM standby mode separately for TIMER 1 and TIMER 2.

- Press **DSC** when the radio is on.
- Use the rocker switch \wedge/\vee to select “TIMER 1” or “TIMER 2”.
- Then press the \blacktriangleleft button and switch to “TIM OFF” by means of the rocker switch \wedge/\vee (you will find this item between the clock settings for 23:00 and 0:00).

When “TIM OFF” is flashing,

- press \blacktriangleleft .

If you wish to deactivate both timers, proceed in the same way to switch the other timer to “TIM OFF” as well.

When your motor antenna is retracted immediately after having turned off the radio, you can be assured that the TIM standby mode is inactive.

Note:

The standby mode will be automatically switched off if the car radio is not turned on within 72 hours.

of at least three seconds between the individual titles.

Switching the tape side

(autoreverse)

To change the tape direction during cassette playback:

- Press $\Delta \nabla$.

At the end of a tape side, the mechanism changes directions automatically to play the other side (autoreverse). The display shows "TR1-PLAY" for track (side) 1 or "TR2-PLAY" for track 2.

Notice:

If there is too much tension on the tape during playback, the set may switch over by itself before having reached the end of the tape side. In this case check the condition of the cassette tape. Sometimes it helps to rewind it completely.

Tape equalisation

When a metal or CrO₂ tape is inserted, the tape mechanism automatically adjusts to metal/CrO₂ tape equalisation. The "MTL" indicator will illuminate.

Scanning cassette titles with SCAN

You can have the cassette titles played briefly by using the scan function. If you like a title, stop the scan to continue listening to that track.

To start/stop the scan function:

- Press the **SC** button briefly.

You can individually adjust the scan time in the DSC menu (see "DSC programming - SCANTIME").

Dolby B NR*

With this unit you can play back tapes recorded with Dolby-B NR or without noise reduction.

Cassette tapes recorded with Dolby NR* stand out by their reduced tape hiss and the improved dynamics.

If Dolby-B NR is switched on, "B" will light up in the display.

To switch on/off:

- Press **B** (not during scan operation).

* Noise Reduction system manufactured under license from Dolby Laboratories Licensing Corporation. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

Skipping unrecorded tape portions with Blank Skip

This function senses an unrecorded tape portion continuing for more than 15 seconds and automatically fast forwards the cassette to the beginning of the next track.

During fast tape winding, "B-SKIP" will be indicated on the display panel.

To switch the Blank Skip function on and off:

- Press the **RM** button for approximately one second until you hear a beep.

When the function has been activated, "BLS" will appear in the display.

Listening to the radio during fast tape winding with RM (Radio Monitor)

When the tape is fast forwarded or rewind (also with S-CPS), the radio will normally be muted. To listen to the radio during fast winding, activate the Radio Monitor function.

To switch RM on and off:

- Press **RM**.

When the function is active, "RM" will light up in the display.

CD changer operation (optional)

Care notes

To avoid possible problems, we recommend you to use C-60/C-90 type cassette tapes only. Store your tapes in a cool place away from dirt, dust and temperatures exceeding 50 °Celsius. Allow very cold tapes to warm up before playing them in order to avoid uneven tape transport. After approximately 100 hours of use, dust particles collected on the playback head or roller may lead to tape run problems and sound distortions.

Use a head cleaning tape to remove normal dirt build-up. For tougher cases, use a cotton swab (Q-Tip) soaked with alcohol. Do not attempt to clean by inserting a hard object into the player!

This car stereo offers you convenient control of a Blaupunkt CD changer CDC-A05 or CDC-F05. These changers are not included in the scope of delivery and can be purchased from your specialised dealer.

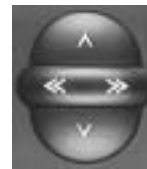
Switching to CDC operation

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

Press **SRC** to go through the available audio sources:

- Press as many times until the display briefly shows "CDC ON".

Selecting CDs and titles



CD selection

- **Up**
- ⏪ **Down**

Title selection

- ▲ **Upwards:** Press briefly.
CUE - fast advance (audible): Keep depressed.
- ▼ **Downwards:** Press as many times as required.
To re-start a title: Press briefly.
REVIEW - fast reverse (audible): Keep depressed.

MIX playback

You can have the CD tracks played in random order.

MIX CD – The titles of the selected CD will be played at random. The next disc will be selected in numeric order.

MIX MAG – CDC-A 05 / -F 05
All CD titles will be played at random. The next disc will then also be selected and played randomly, etc.

MIX OFF – The Mix function is deactivated. Discs and titles will be selected in numeric order.

To alter the setting:

- Press **MIX** as many times until the desired function is briefly displayed.

If the function is active, "MIX" will appear in the right display corner.

Selecting the display mode

You can select the desired display mode for CD operation:

"NAME" – The specified name, for example "MADONNA" will be displayed.

"TIME" – The elapsed playback time of the title is displayed, for example "2 : 32".

"NUMBER" – The CD position in the magazine (disc number) is displayed, for example "CD8 T5".

To switch the display mode:

- Press **DIS** during CD playback.

The display mode and the corresponding setting or value will briefly show on the display panel, e.g. "TIME", "2 : 32".

If you have selected "NAME" without having specified a name for the corresponding disc, "CD PLAY" will appear in the display.

Please read also the chapter "Entering CD names".

Storing the display mode

You can store your preferred display mode which will then be active each time the radio is switched on.

If required,

- press **DIS** as many times until the desired setting is displayed.
- Hold down the **DIS** button until you hear a beep.

SCAN operation

Use this function to scan all of the CD tracks.

To start the Scan function:

- Press **SC**.



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

To stop the Scan function:

- Press **SC** briefly.

The track currently being scanned is continued to be played.

SCAN will also be terminated by

- pressing one of the buttons **AUD**, **GEO**, **DSC**, **SRC**, , << >> or .



Entering CD names

You can name up to 99 discs.


The specified name (e.g. VIVALDI) will then appear in the display.

Be sure to select the display mode "NAME" using the **DIS** button.

To start the entry:

- Press the **DSC** button.
- Press  until "CDC-NAME" appears on the display panel.
- Press .

The first underscore character will flash.


- Select the first character with the help of the rocker switch .

You have the choice between the capital letters A to Z, special characters and the numbers 0 to 9.

- Use the rocker switch << >> to move to the next underscore and select a character.

You can select up to seven characters.

Once you have completed the name as desired:

- Press  in order to store it.

To quit the naming mode,

- leave the DSC menu by pressing **DSC**.


If you would like to name another CD,

- select a new disc.


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

Deleting CD names with DSC-UPDATE

You can delete a CD name with the help of the DSC update function. Use “CDC UPD” to confirm all of the CDs for which the specified name is not to be deleted.

- Insert a magazine with CDs for which the stored information is to be maintained.
- Press the **DSC** button.
- Press  to select “CDC UPD”.
- Press << >>.


After the update has been completed, “NEXT MAG” appears in the display.

- Press the  button on the changer for approximately two seconds.

The magazine will eject.

- Insert the next magazine.

Proceed as described above for all of the CDs/magazines for which the entered name is to be maintained.

- After having updated the last magazine, press .

To quit the function,

- press **DSC**.

The system has saved the name information for all of the CDs which were inserted. For all other discs the CD names have been deleted.

DSC programming


DSC (Direct Software Control) allows you to customise certain programmable, basic settings to suit your personal needs and preferences and then store them.

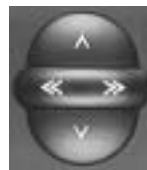
The basic settings for this audio equipment were made at the factory.


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

If you wish to alter any of the programming,

- press **DSC**.

Use the rocker switch and the  button to select and adjust the functions described in the following. The display will show you the adjusted condition.



 Select function
 << >> Adjust/recall value

TIME	The current time will be displayed or has to be set. For more information see chapter "Traffic Memo (TIM) - Setting the clock in the DSC menu".	TA VOL	To adjust the traffic announcement and warning beep volume from between 0 to 63. The message will then come through at this volume, if the standard volume is lower. Should the standard volume be higher than the TA VOL level, then the traffic report will be played slightly louder than the standard volume.	BEEP	Try out which SPEECH setting you like most. Acknowledgement tone for all functions which require a button to be pressed for more than one second. The volume can be adjusted from between 0 to 9. (0 = off).
TIMER 1	To set the first TIM time. For more information please refer to chapter "Traffic Memo (TIM) - Programming the TIM standby mode / TIM times".	SPEECH	In future many RDS radio stations will differentiate between music and speech programmes. You can alter the tone for speech programmes from between "SPEECH 0 ... 4". SPEECH 0: Music/speech off SPEECH 1: Linear reproduction (bass, treble and Loudness set to "0") SPEECH 2-4: Different settings for volume, bass and treble with the Loudness being switched off.	ANGLE	Use this setting to alter the viewing angle to your liking from -1 to 0 to +1.
TIMER 2	To set the second TIM time (procedure see TIMER 1).	BRIGHT			You can adjust the display brightness from between 1 to 16. You can also select different values for day and night. Selecting the night brightness: Switch on the vehicle lights and programme the brightness value. The car radio's lighting connector must be hooked up to the vehicle's electric system for this to function properly.
CDC NAME	Only available for CD changer playback (optional). Use this function to name your CDs. (See "Entering CD names").				
LOUDNESS	Loudness - When listening at a low level, the Loudness function creates a more natural sound by boosting the low frequency range. LOUD 1 - Low boost LOUD 6 - Max. boost				

COLOUR

(Variocolour) For gradually matching the radio illumination with the dashboard lighting.

green light orange red

LED ON

Here you can choose between LED ON or LED OFF. With LED ON, the KeyCard tongue will flash for extra anti-theft protection when the unit has been switched off and the KeyCard removed.

LEARN KC

To “train” a second KeyCard. Please read the information in chapter “KeyCard theft protection system - “Training” a second KeyCard”.

READ KC

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 the Short Additional Memory (S.A.M.) data entered by your specialised dealer. See chapter “Short Additional Memory S.A.M.”.

If you remove the KeyCard during the reading process, “READ KC” will show on the display panel. The unit continues to play but does not accept any operations except from being switched off. Re-insert the card.

PTY LANG

To select the programme type language: DEUTSCH or ENGLISH

SCANTIME

Use this function to set the scan time for the radio or CD player from between five and 30 seconds.

S-DX

To adjust the seek tuning sensitivity for distant reception.
DX 1 - high sensitivity
DX 3 - low sensitivity

S-LO

To adjust the seek tuning sensitivity for local reception.

LO 1 - high sensitivity

LO 3 - low sensitivity

The seek tuning sensitivity values can be separately set for AM and FM.

CDC UPD

Use this function to delete CD names during CDC operation, in order to have more storage capacity for new discs available. See “Deleting CD names with DSC-UPDATE”.

AUX

This menu item is not available if you have connected a CD changer (A 05 or F 05). The setting made at the factory is AUX OFF. If you have connected an external piece of equipment via AUX, this function must be set to AUX ON.

VOL FIX

Use this function to select the volume at which the radio is set when it is switched on. Adjust the desired volume level with << >>. When adjusted to "VOL 0", the system will come on with the volume selected before switching the radio off.

To quit the DSC programming mode and store the adjustment:

- Press **DSC**.

Overview of the DSC factory settings

TIME	0.00
TIMER 1	TIM 7:00
TIMER 2	TIM 17:00
CD NAME	-
LOUDNESS	3
TA VOL	35
SPEECH	0
BEEP	4
ANGLE	0
BRIGHT	16
COLOUR	green
LED	ON
LEARN KC	-
READ KC	-
PTY LANG	DEUTSCH (German)
SCANTIME	10 sec.
S - DX	1
S - LO	1
CD UPD	-
AUX	OFF
VOL FIX	0

Appendix

Specifications

Amplifier

Output power: 4 x 23 W RMS power acc. to DIN 45324 at 14.4 V
4 x 35 W max. power

Tuner

Wavebands:

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

FM sensitivity: 0.9 μ V at 26 dB signal-to-noise ratio

FM frequency response:
30 - 16 000 Hz

Tape player

Frequency response:
30 - 18 000 Hz

Compatible with DAB box (Digital Audio Broadcasting).

Subject to modifications!

Blaupunkt telephone hotline

Address of the next service centre in your vicinity (only for Germany)

If you would like to know the address of the next Blaupunkt service centre of your area without having our service list at hand:

- Find out your area code.
- Then call the following chargeable phone number: **01 80 / 5 25 56 66**.
- Using the area code to be entered you will be automatically given the address and phone number of the next Blaupunkt service centre. You can also request this information by fax.

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