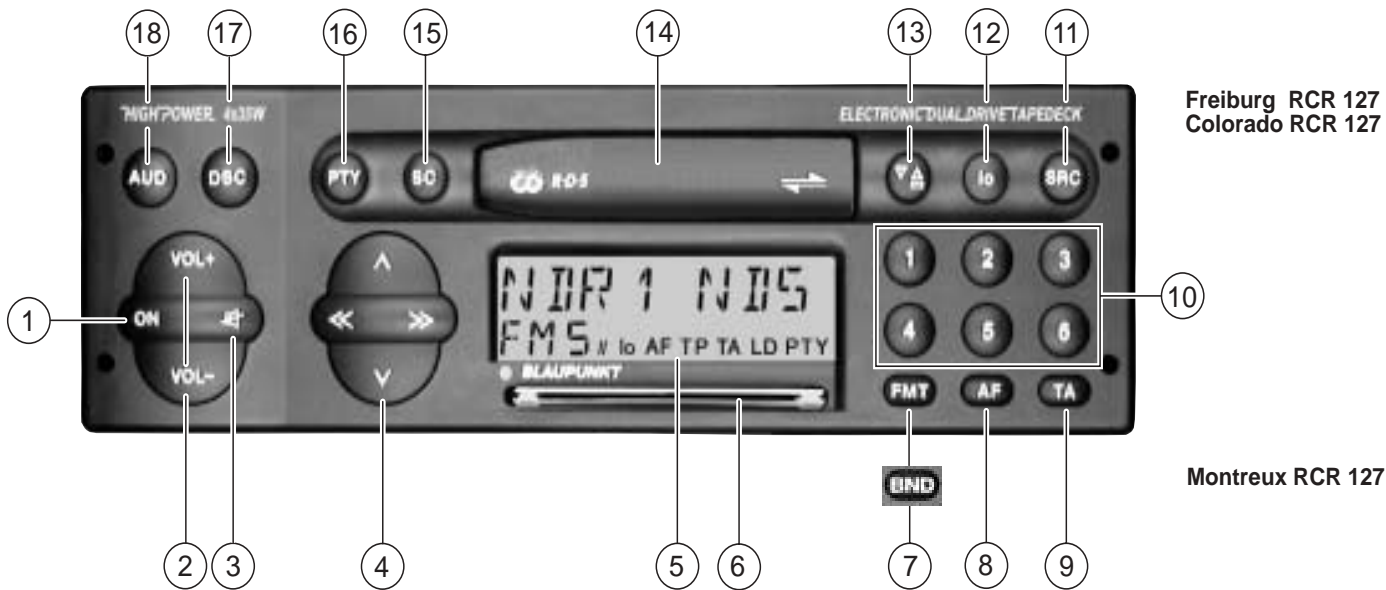


Radio / Cassette

# Freiburg RCR 127 Montreux RCR 127 Colorado RCR 127

Operating instructions





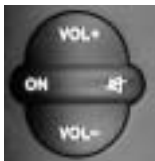
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## Quick reference

- 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 with the **ON** button.

Note:

Read the information in chapter “KeyCard theft protection system”.

### Switching on/off via the ignition:

When connected correspondingly, the set can also be turned on and off with 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**. The unit will be turned on. To avoid that the battery goes flat, the system will be turned off automatically after one hour of playback.

- 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 can be muted immediately. “MUTE” will appear in the display.

The function is cancelled by pressing button or **VOL+**.

When pressing **VOL-**, the (mute) volume will be adopted.

To programme the mute volume level, proceed as follows:

- Adjust the desired volume.

- Press for 1 second until you hear a beep.  
Now this volume level is stored as your mute volume.

- ④ **Rocker switch**

### Radio operation



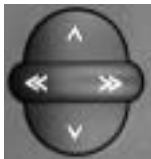
/ **Station search**  
 Up  
 Down

Up/Down in short intervals  
(on FM only if AF is off)

On FM only:

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 the opposite key.

### Extra rocker switch functions:

Further setting functions with

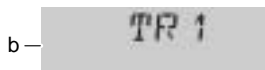
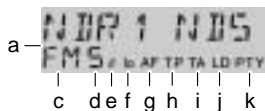
**AUD** (18)

**DSC Mode** (17)

**PTY** (16)

Condition: The corresponding function is activated.

## 5 Display



- a) NDR1 NDS - Station name
- b) TR 1 - Track (side) 1 of the cassette
- c) FM - Waveband
- d) 5 - Preset button (1-6)
- e) I, II, T - Memory bank I, II or Travelstore
- f) Io - Seek tuning sensitivity
- g) AF - Alternative frequency for RDS operation
- h) TP - A traffic station is being received
- i) TA - Priority for traffic stations
- j) LD - Loudness
- k) PTY - Programme type function

## 6 KeyCard theft protection system

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



### Inserting the KeyCard

With the KeyCard tongue sticking out of the unit, introduce the **KeyCard** into the slot **with the contact area showing up**.

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.

"WRONG KC" will briefly appear on the display and the set will switch off automatically.

⑦ **FMT** (*Freiburg RCR 127, Colorado RCR 127*)

**BND** (*Montreux RCR 127*)

For selection of the FM memory banks I, II and T (Travelstore).

**To switch over:**

Press button repeatedly.

The selected memory bank will appear in the display.

### **Travelstore**

To store and recall the six most powerful stations with Travelstore.

**To store:** Press button for approximately 1 sec. until you hear a beep and "T-STORE" appears in the display.

**To recall:** Select the memory bank "T" and press the corresponding preset button (1-6) briefly.

*Montreux RCR 127:*

Additional selection of medium- and long-wave stations, provided that "AM ON" has been adjusted in the DSC menu.

⑧ **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 1 sec. until you hear a beep. "REG-ON" or "REG-OFF" will appear in the display (see chapter REG - regional programme).

⑨ **TA** (priority for traffic announcements)

When "TA" lights up in the display, the system will play traffic stations only.

Priority on/off: Press **TA**.

⑩ **1, 2, 3, 4, 5, 6 - preset buttons**

You can store six stations for each of the memory banks I, II and T.

**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 memory bank and press the relevant preset button briefly.

### **Extra function of preset buttons**

To store and recall a PTY programme type.

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

⑪ **SRC (Source)**

You can switch between the radio and tape audio sources (if a tape is inserted).

⑫ **lo**

To switch the seek tuning sensitivity level:

Press button briefly.

If "lo" is displayed, the radio will only pick up strong, local stations (normal sensitivity).

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

### **Extra function of lo button:**

To switch between mono and stereo reception:

Press button for approximately 1 sec. (beep).

The selected condition will be briefly displayed.

- ⑬ **▽ / ≡**  
 To switch the tape side: Press briefly.  
 To eject the tape: Press for approximately 1 sec.

**Extra function ▽ / ≡**

Frequency display during radio operation:  
 Press button briefly.  
 The frequency will be briefly displayed.

- ⑭ **Cassette loading slot**  
 Insert the tape with side A or 1 facing up, the open side showing to the right.

- ⑮ **SC**

Radio operation

**Scan**

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. The unit will scan all FM stations which can be received.

**Preset Scan**

Press **SC** for approximately 1 sec. until you hear a beep.  
 “SCAN” and the name or frequency 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.

Tape operation

**Cassetten-Scan**

Press **SC**.  
 “CC-SCAN” will appear in the display.  
 All cassette titles will be scanned briefly.  
 To stop cassette scan:  
 Press **SC** once again.

- ⑯ **PTY (Programme Type)**

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

- ⑰ **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.

- ⑱ **AUD**

To adjust the treble, bass, balance and fader.  
 If the display shows “TRE” or “BAS”, you can adjust the reproduction of the treble and bass frequencies with the rocker switch. If “BAL” or “FAD” is displayed, you can set the balance (left/right) and fader (front/rear).  
 Press **AUD** as many times as required and make the setting using the rocker switch.



- ▲ Treble + / Fader front
- ▼ Treble – / Fader rear
- ◀ Bass – / Balance left
- ▶ Bass + / Balance right

## Important notes

The last setting will be stored automatically.

To switch off AUD: Press button once again.

If the setting remains unchanged within 8 seconds, the display will switch back to the previous condition.

### Extra function AUD

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

**Loudness on/off:** Press **AUD** for approximately 1 sec.

“LD” lights up in the display if the Loudness function is switched on.

Please refer to chapter “DSC programming” for more information on how to program the Loudness boost.

### Precautions

Before starting to use your new car radio, please read the following information carefully.

### Traffic safety

Traffic safety always has the highest priority.

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 to the ignition and the permanent +12 V lead.

Do not ground the loudspeaker outputs!

### Accessories

Use only the accessories and spare parts approved by Blaupunkt.



# 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 a second KeyCard, the basic settings will be adopted. However, you can individually store the following functions:

Bass, treble, balance and fader settings, Loudness, TA (traffic announcement volume), beep volume, mute volume, lo or dx, PTY functions.

In addition, the settings activated before switching the radio off, such as the station tuned in, TA priority, AF, AM ON/OFF and RM ON/OFF 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.  
With the KeyCard tongue sticking out, introduce the **KeyCard** into the slot **with the contact area showing up**.

The car radio is now ready for operation. If a wrong KeyCard is inserted, then "CARD ERR" followed by "WAIT" will appear in the display. In this case please do not make any further adjustments.

The system will switch off after approximately 10 seconds.

When inserting another card type (e.g. phone or credit card), the display will show "WRONG KC" for approximately 2 seconds.

The set will switch off automatically. Remove the wrong card and introduce the correct KeyCard.

- 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 << or >>.

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.

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.)**

Using the second KeyCard to be purchased at any specialised dealership, you can program a short text by selecting the DSC menu item READ KC. This text will be moved through the display and might be the telephone number of a car repair service or the emergency call number of your auto club. Any specialised dealer with the proper equipment can program the desired text with up to a maximum of 162 characters onto the KeyCard.

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

Using the second KeyCard to be purchased at any specialised dealership, you can program the unit to display a selected "Turn On Message" after the set is switched on. Any specialised dealer with the proper equipment can program the desired text with up to a maximum of 48 characters onto the KeyCard. Each time you switch on your car radio using the second KeyCard, this text will appear in the display.

## **Optical indication of anti-theft protection**

### **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**

In order to ensure that the KeyCard always functions correctly, it is important for the contacts to be free from any foreign particles. Avoid direct skin contact. If necessary, clean the KeyCard contacts using a cotton swab dipped in alcohol.

## Switching the audio source Radio operation with RDS (Radio Data System)

Using the SRC button you can switch between radio and tape operation.

Tape operation is only available if a cassette is inserted.

To switch to another source,

- press **SRC** briefly.

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 (Alternative Frequency)** 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 regional 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 1 sec.

"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 1 sec. until "REG OFF" appears.

If the REG function is active, "REG ON" will be briefly displayed each time the radio is switched on.

## Selecting a waveband

*(only Montreux RCR 127)*

You can select between the following wavebands:

FM 87.5 - 108 MHz

MW 531 - 1602 kHz

LW 153 - 279 kHz

- Press the **BND** button until the desired waveband shows on the display panel.

Note:

In the DSC menu you can deactivate the station selection on either MW or LW or for both wavebands at the same time.

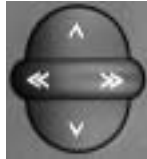
This has the advantage that only the required bands will allow to be activated, so that you must press the BND button less often. For more information, please refer to chapter "DSC programming - AM ON/OFF".

## 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

$\wedge$  Up

$\vee$  Down

$\ll / \gg$  Up/Down in short intervals  
(FM only, "AF" must be switched off)

### Manual tuning with $\ll \gg$

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** briefly.

Manual tuning:

- Press  $\ll \gg$ ; 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 (FM only)

You can use the  $\ll \gg$  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  $\gg$ , or backwards using the  $\ll$  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, start automatic tuning, e.g. using Travelstore:

- Press **FMT** or **BND** for 1 sec.; the system starts to run through the frequency band. The display shows "T-STORE".

If "AF" does not light up,

- press **AF**.

This fulfils the requirements for selecting stations with  $\ll \gg$ .

## Changing the memory bank

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** or **BND** 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 also store six stations each. (*only with Montreux RCR 127*)

- Select the desired memory bank.
- Tune in a station with the rocker switch (either automatically or manually).
- Press and hold down the desired preset button until the radio resumes play after the muting (takes approximately 1 sec., 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, then the corresponding preset position and 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** or **BND** button for 1 sec.

“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 stored on preset 1.

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 memory bank with **FMT** or **BND**.
- 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 1 sec.

All of the stored stations to be received will be scanned one after the other.

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

- Press **SC** briefly.

### Note:

If “TA” shows on the display panel, the system will scan the stored traffic stations only.

## Scanning stations with Radio-Scan

You can also scan all stations which can currently 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 Radio-Scan:

- 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.

## 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.

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

To switch the seek tuning sensitivity:

- Press **lo** briefly.

The sensitivity level can be altered separately in both modes. Please refer to chapter “DSC programming - S-LO, S-DX”).

## Switching from stereo to mono

Every time the radio is switched on, stereo playback is activated automatically.

The unit will gradually switch to mono if reception is poor.

You can also switch between mono and stereo reception manually:

- Press the **lo** button for approximately 1 sec.

The selected condition will briefly appear in the display.

## Loudness

Adjusts the low bass frequencies for a more natural sound.

Switching Loudness on/off:

- Press the **AUD** button for approximately 1 sec.

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

See chapter “DSC programming” for more information.

## 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)

**WEATHER**

**FINANCE**

**CHILDREN'S PROGRAMMES**

**SOCIAL AFFAIRS**

**RELIGION**

**PHONE IN**

**TRAVEL**

**HOBBIES**

**JAZZ MUSIC**

**COUNTRY MUSIC**

**NATIONAL MUSIC**

**OLDIES MUSIC**

**FOLK MUSIC**

## **DOCUMENTARY**

**ALARM TEST** (for service only)

### **Checking the programme type of the station**

- Press **PTY** for approximately 1 sec.

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

If "NONE" 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**

- a) 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 2 seconds.

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

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

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 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 3 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.

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

At the factory, one programme type was assigned to each of the preset buttons 1-6. 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 of the received stations offering the selected programme type 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 be currently received (neither with seek tuning nor with 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 NDR2 station for the duration of the "POP" programme.

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



# Receiving traffic programme stations with RDS-EON

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 the **TA** button.

When pressing **TA** while a message is being broadcast, this message will be interrupted. The unit will then switch back to the previous condition. The priority for all other traffic messages remains active.

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

## Beep tone

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

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

## Switching off the beep tone

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 **TA**.

“TA” will disappear from the display.

## Automatic seek tuning start

(tape operation)

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

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

## Tape operation

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

This volume was preset at the factory, though you can alter the value using the DSC function (see “DSC programming, TA VOL”).

If the volume level is altered while a message is being played, this will only affect the current announcement.

The car stereo has to be switched on.

The unit will automatically switch to tape operation when inserting a cassette.

### Inserting a tape

- Turn on the set.
- Insert a tape.

The cassette will be automatically transported to the playback position. Side A or 1 starts to play.

During tape operation, “TR 1” or “TR 2” (track) will be indicated on the display panel.

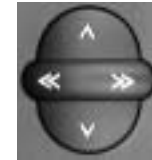
Insert the tape with side A or 1 facing up, the open side showing to the right.



### Removing a tape

- Press  $\nabla \text{⏏}$  for 1 sec.  
The cassette will eject.

### Fast Forward/Rewind



>> **Fast forward**

<< **Fast rewind**

$\wedge/\vee$  **Title selection (S-CPS)**

$\wedge$  Up

$\vee$  Down

Stop function by pressing  $\nabla \text{⏏}$ .

### Selecting titles with CPS (Cassette Programme Search)

Use this function to skip ( $\wedge$ ) and repeat ( $\vee$ ) recorded titles.

To start CPS:

- Press  $\wedge/\vee$ .

In order for CPS to function properly, there has to be an unrecorded tape portion of at least 3 seconds between the individual titles.

## Switching the tape side (autoreverse)

To change the tape direction during cassette playback:

- Press  $\nabla$   $\triangle$  briefly.

At the end of a tape side the mechanism changes directions automatically to play the other side (autoreverse). The display shows "TR 1" for track (side) 1 or "TR 2" 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 CrO<sub>2</sub> tape is inserted, the tape mechanism automatically adjusts to metal/CrO<sub>2</sub> tape equalisation.

## 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.

Scan condition: There has to be an unrecorded tape portion of at least 3 seconds between the individual titles.

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

When the tape is fast forwarded or rewound (also with CPS), the radio will normally be muted. In order to listen to the radio during fast winding, you can activate the Radio Monitor function.

For more information please refer to chapter "DSC programming - RM ON/OFF".

## 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) dipped in alcohol. Do not attempt to clean by inserting a hard object into the player!

# 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.

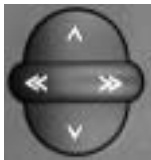
In the following you can find an overview of these settings, so that you can always reset to these if desired.

If you wish to alter any of the programming,

- press **SRC** to select one of the operating modes radio or cassette (e.g. radio, if you wish to change the language with PTY LANG).

- press **DSC**.

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



^/v Select function  
<< >> Adjust/recall value

## AM ON / OFF (Montreux RCR 127)

You can deactivate one or both AM bands (MW/LW) in order to reduce the number of bands for selection with **BND**.

selectable:

AM ON – all bands  
MW OFF – LW, FM  
LW OFF – MW, FM  
AM OFF – FM

## RM ON / OFF (Radio Monitor)

Allows you to listen to the radio during fast winding of the tape.

RM ON – Radio playback activated  
RM OFF – Function deactivated

**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

## TA VOL

To adjust the traffic announcement and beep tone volume from between 0 to 63.

The message will then come through at this volume, if the volume adjusted for the program is lower.

If the program volume is higher than the TA VOL level, the traffic report will be played slightly louder.

## BEEP

Acknowledgement tone for all functions which require a button to be pressed for more than 1 second.

The volume can be adjusted from between 0 to 9. (0 = off)

**LED ON/OFF** 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 Key-Card.  
Please read the information in chapter “KeyCard theft protection system - Training a second KeyCard”.

**READ KC** To read out the KeyCard data.  
The KeyCard supplied with the radio is used to display the model name, type number (7 6..) and the serial number.  
Using the second KeyCard to be purchased at any specialised dealership it is possible to display the Short Additional Memory (S.A.M.) data entered by the 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.

**PTY LANG** To select the programme type language: DEUTSCH or ENGLISH

**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 set separately for AM and FM.

**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 it off.

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

- Press **DSC**.
- The DSC programming mode will be automatically quit 8 seconds after having made the last adjustment.

**Overview of DSC factory settings**

RM	OFF
LOUDNESS	3
TA VOL	35
BEEP	4
LED	ON
LEARN KC	-
READ KC	-
PTY LANG	ENGLISH
S - DX	1
S - LO	1
VOL FIX	0

(Montreux RCR 127):  
AM ON

# 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

*(only Montreux RCR 127)*

MW 531 – 1602 kHz

LW 153 – 279 kHz

FM sensitivity: 0.9  $\mu$ V at 26 dB signal-  
to-noise ratio

FM frequency response:  
30 - 16 000 Hz

### Tape player

Frequency response:  
30 - 18 000 Hz

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.



**Blaupunkt-Werke GmbH**  
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