Malaga RCR 127
Granada RCR 127

Operating instructions

HIGH POWER 4 X 35W

N D R 1 N D S
FM₁₆ PTY lo AF TP TA LD

BLAUPUNKT

● **BLAUPUNKT**

Bosch Gruppe

Contents

ENGLISH

Quick reference

① **Switching on/off with the ON button:**
Press **ON**.
The unit will play at the preset volume.

Note:
Read the information in the section on "Theft protection system".

Switching on/off via the ignition:
If connected accordingly, 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 detachable face before leaving your vehicle.

Switching on when the ignition is switched off:
To keep on operating the set when the ignition is switched off:
Press **ON**. The unit will be turned on.
To save battery power, the system will be turned off automatically after one hour of playback.

Extra function of ON button
You can instantly turn down the volume by pressing **ON** briefly. "MUTE" will appear. The volume will be set to "VOL 0". The function is cancelled by pressing **ON** or **+** briefly.
If **-** is pressed, the mute volume will be adopted.

② **+ / - (VOL)**
To alter the volume.
Each time you switch the unit on, it will play at the preset volume (VOL FIX). You can also change the VOL FIX setting (see "DSC programming").

③ **Rocker switch**

Radio operation

∧ / ∨ **Automatic tuning**
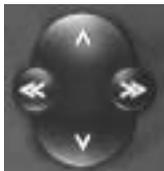∧　　 Up
∨　　 Down

　　　 Manual tuning
<</>>　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 ... .

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Tape operation

Track selection (CPS)
∧ Up ("CPS FF 1" appears)
∨ Down ("CPS FR 1" appears)

Fast winding
≫ Forward
≪ Rewind

To stop CPS and fast winding:
Press the opposite key.

Extra functions of rocker switch:
Further settings are possible with
AUD   ⑮
DSC-Mode ⑭
PTY   ⑩
Important: The corresponding function
has to be activated.

④ **Display**
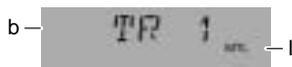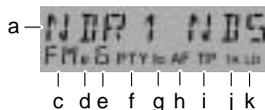
a) NDR1 NDS - Station name
b) TR 1   - Track (side) 1 of the cas-
                sette
c) FM   - Waveband
d) I, II, T   - Memory bank I, II or
                Travelstore
e) 6   - Preset button (1-6)
f) PTY   - Programme type is acti-
                vated
g) lo   - Seek tuning sensitivity
h) AF   - Alternative frequency for
                RDS operation
i) TP   - Traffic station is received
j) TA   - Priority for traffic stations
k) LD   - Loudness is activated
l) MTL   - Metal tape equalisation is
                selected

⑤ **BND**
To select the wavebands FM, MW (M)
and LW (L) as well as the FM memory
banks I, II and T (Travelstore).
To switch over:
Press **BND** as often as required. The
selected mode appears in the display.

**Extra function of BND button
Travelstore**
To store and recall the six most power-
ful stations with Travelstore.
To store: Press button for approxi-
mately 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.

Note
The MW and LW band is available
only if "AM ON" has been selected in
the DSC menu.

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6 **AF**

Alternative **f**requency during RDS operation:
When "AF" lights up in the display, the system will automatically seek a frequency offering better reception for 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 "REG - regional programme").

7 **TA** (**T**raffic **A**nnouncement)
If "TA" lights up in the display, the system will play traffic stations only.
Priority on/off: Press **TA**.

8 **1, 2, 3, 4, 5, 6 - preset buttons**
You can store six stations on each of the memory banks I, II and T.
To store a station: Press a preset button during radio operation until 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

Coding: Please read first the information in the section on "Theft protection".
Button 1, 2, 3, 4 - to enter the four-digit code number.
Press each button as many times as necessary until the four-digit code noted in your car radio pass appears in the display.

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

In cassete mode, you can use preset button 1 for tape equalisation (type of tape).

9 **SRC** (**s**our**c**e)
You can switch between the radio and tape audio sources (if a tape is inserted).

Extra function of SRC button lo
To select 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).

10 **PTY** (**P**rogramme **Ty**pe)
In the PTY mode, the preset buttons become programme type buttons. With every preset you can select one programme type, such as NEWS, SPORT, POP MUSIC, EDUCATE, etc.

11 ▽ **/** ⏏
To switch the tape side: Press button briefly.
To eject the tape: Press button for approximately 1 sec.

Extra function ▽ / ⏏
Frequency display during radio operation:
Press button briefly.
The frequency will appear briefly.

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⑫ **Cassette loading slot**
Insert the tape with side A or 1 facing up, the open side showing to the right.

⑬ **SCA**

Radio operation

Scan
Press **SCA** briefly -
The name or frequency of the scanned station will flash in the display. "FM-SCAN" or "AM-SCAN" will appear during the scan process. The unit will scan all of the FM stations which can be received.

Preset Scan
Press **SCA** for approximately 1 sec. until you hear a beep.
"SCAN" and the name or frequency of the scanned station will appear alternately in the display.
The unit will scan all of the stations stored on the preset buttons.

To stop Scan / Preset Scan:
Press **SCA** once again.

Tape operation

Cassette-Scan
Press **SCA**.
"CC-SCAN" will appear in the display. All cassette titles will be scanned briefly.

To stop cassette scan:
Press **SCA** once again.

⑭ **DSC** (**D**irect **S**oftware **C**ontrol)
Use the DSC function to customise certain programmable, basic settings to suit your personal needs and preferences. See "DSC programming" for more information.

Extra function "Io"
To switch between mono and stereo:
Press **DSC** for about 1 second (beep). The function selected will briefly appear in the display.

⑮ **AUD**
To adjust the treble, bass, balance and fader.
If the display shows "TRE" or "BAS", you can adjust the playback of the treble and bass frequencies using the rocker switch. If "BAL" or "FAD" is dis-played, 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

The last setting will be stored automatically.
To switch off AUD: Press button once again.
If you do not change the setting within 8 seconds, the display will switch back to the previous condition.

Extra function AUD
Loudness - When the system is played at a low volume level, the Loudness function creates a more natural sound by boosting the low frequency range.

Important notes

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 "DSC programming" for more information on how to program the Loudness boost.

(16) **REL** (releasing the detachable face)
The face of this unit can be detached for extra antitheft protection. You should take the detachable face with you when you leave your car.
Detaching the face:
Press **REL**.
Attaching the face:
Apply the right hand side of the face to the chassis first and then gently push the left side of the face against the front of the chassis until it snaps into place.

Precautions

Before using 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 radio yourself or add other audio components to existing ones, then please read the enclosed instructions on installation and connection carefully.
In order to ensure that the set operates properly it is necessary for the positive power supply line to be 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.

Antitheft protection

This car radio is supplied with inactive code protection. In order to switch the security coding system on, proceed as described on the following pages.

If the coding system is active while the power supply to the system is interrupted (e.g. theft, disconnection of the car battery), the set will be electronically blocked. In such a case it can only be made operable again by entering the correct code number given in the car radio pass.

Entry of a wrong code number

It should not be possible for a thief to find out the correct code number by trial and error. This is why the set will be blocked for a certain period of time after a wrong code number has been entered. The display will show "CODE ERR" and then "WAIT".

After the first three unsuccessful attempts, the system will shut down for 10 sec.; after further attempts, the waiting time extends to one hour.

After 19 unsuccessful attempts, the display will show "OFF". In this case you can no longer restart the unit.

Note:
Keep your car radio pass with the code number in a safe place in order to avoid "unauthorised access" to your car radio.

If the security code system is activated, the unique code must be entered each time the power supply was interrupted.

The radio will be operable again as soon as you have entered the correct code.

If you have lost your radio pass and forgotten the code number, your radio can only be restarted by one of our authorised service workshops. This is a chargeable service.

Switching on security coding

To activate the coding system:
• Turn off the radio.
• Press and hold down preset buttons **1** and **4** simultaneously, and
• switch the set on.
  "CODE" will appear.
• Release preset buttons **1** and **4**.
• Enter the code number given in the Blaupunkt car radio pass and confirm your entry as described in "Restart ..."

Now the security coding system is active.

The display will briefly show "CODE" each time the set is turned on.

Re-start following an interruption of the power supply
(coding system is activated)

• Turn on the radio.
  The display shows "CODE".
• Briefly press preset button **1**; the display shows "0000".
• Enter the code number given in the Blaupunkt car radio pass:

  Example: The code number is 2521.
  - Press preset button **1** twice; the display shows "2000".
  - Press preset button **2** five times; the display shows "2500".
  - Press preset button **3** twice; the display shows "2520".
  - Press preset button **4** once; the display shows "2521".
• To confirm the code number:
  Press the rocker switch >>.

If you have entered the correct code, the unit will now be ready for use.

However, if the display shows "CODE ERR" and then "WAIT", you have entered a wrong number. The unit will switch off when the waiting time has elapsed. Turn it on again and re-enter the correct code.

If you switch off the set while it is blocked, the waiting time will start to count from zero again as soon as the radio is turned back on.

Switching off security coding

- Turn off the radio.
- Press and hold down preset buttons **1** and **4** simultaneously, and
- switch the set on. "CODE" will appear.
- Release preset buttons **1** and **4**.
- Now enter the code number given in the car radio pass and confirm your entry (see example in "Re-start ...").

Security coding is now switched off.

Detachable face

This unit is equipped with a detachable face. You can remove the control face at a push of the **REL** button.
In order to prevent the unit from being stolen, we recommend you to take the detachable face with you when you leave your car. When you carry the face with you, put it in the enclosed carrying case.
Re-inserting the face is child's play. The set will be ready for use immediately and you will find all of your previous settings re-adjusted.

Detaching the face

- Press the **REL** button.

The unit will be switched off automatically. The control panel will be released in order for you to remove it.

Attaching the face

- First, apply the left hand side of the face to the chassis.
- Second, gently push the right side of the face against the front of the chassis until it snaps into place.

The unit is now ready for use with the settings selected before the face was removed.

Selecting the audio mode

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.

Radio operation with RDS (**R**adio **D**ata **S**ystem)

The **R**adio **D**ata **S**ystem offers you more convenience when you listen to FM radio stations.

More and more radio stations have begun to broadcast RDS information along with 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).

If 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 also 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 if "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 you switch the radio on or when you recall 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 sound quality of the selected programme deteriorates appreciably:

• 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 German states Schleswig-Holstein, Hamburg and Lower Saxony at certain times of the day.

If you are listening to a regional programme and move to an area where another linked regional programme becomes stronger, the unit will switch to the new regional 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 you turn the radio on.

Selecting a waveband

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 can be activated, so that you need to press the **BND** button less often. For more information, please refer to "DSC programming - AM ON or AM OFF.

Station tuning

Automatic tuning ∧/∨

• Press ∧/∨; the car radio will automatically search for the next station.

If you hold down the upper or lower part ∧/∨ of the rocker switch, seek tuning will speed up in the upwards or downwards direction.
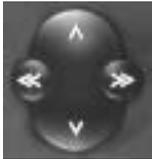
Automatic tuning
∧ Up
∨ Down
≪ Down in short intervals (if "AF" is off)
≫ Up in short intervals (if "AF" is off)

Manual tuning with << >>

You can also tune in a station manually.

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

If necessary, deactivate these functions:

• Press **AF** or **PTY** briefly.

Manual tuning:

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

If you hold down the right or left part of the rocker switch, the frequency scan will speed up.

Scrolling through the broadcast networks (only FM)

You can use the << >> buttons to tune in stations of your reception area.
If several programmes of the broadcast networks can be received, you can scroll through them forwards by pressing >>, or backwards using the << button, e.g. NDR 1, 2, 3, 4, N-JOY ...
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 **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 << >>.

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 **BND** button as many times as necessary until the desired memory bank lights up in the display.

Storing stations

On FM, you can store six stations on the preset buttons **1, 2, 3, 4, 5, 6** for each of the memory banks I, II and T.
On MW(M)/LW(L), you can also store six stations each.

• 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 you hear a beep.

Now the station has been stored.
The activated preset button is indicated in the display.

Note:
Should you tune in a station which has already been stored before, then the corre-

sponding preset position and memory bank will briefly flash in the display.

Automatically storing the strongest stations with Travel-store

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 **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 **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 **SCA** 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 **SCA** briefly.

Note:

If "TA" appears, the system will scan the stored traffic stations only.

Scanning stations with Radio Scan

You can also scan all of the stations which can currently be received.

To start the Scan function:

• Press **SCA** 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 **SCA** 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 selected 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 **SRC** for about 1 second.

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

Switching between stereo and mono

Each 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 **DSC** button for approximately 1 sec.

The selected condition will briefly appear in the display.

Loudness

If the system is played at a low volume level, the Loudness function creates a more natural sound by boosting the low frequency range.

To turn Loudness on/off:

- Press **AUD** for about 1 second.

"LD" appears in the dislay, if the Loudness function is activated.

For more information please refer to "DSC programming".

PTY – **P**rogramme **ty**pe

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, you can select the corresponding stations either by seek tuning or using the scan function.

Switching PTY on/off

- Press **PTY**.

If 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.

Important: PTY must be active.

For the PTY language you can choose German or English in the DSC menu (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**

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

If 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 ∧/∨ 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 sound. The station received before starting seek tuning will be tuned in.

You can assign different programme types to each preset position. Please refer to next section on "Storing programme types".

b) Using the << >> buttons of the rocker switch

If 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 ∧/∨ to start the 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 sound. 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

Important: "PTY" must appear in the display.

• Press the **SCA** button.

All of the received stations offering the selected programme type will be scanned.

To switch off SCAN:

• Press **SCA** 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 the PTY code selected can be received within the broadcast network, the unit will switch over to the corresponding station for the duration of the programme.

Receiving traffic programme stations with RDS-EON

Example: German broadcast 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 broadcast network.
After the PTY programme the system will remain in the radio mode.

Note:
As mentioned earlier, 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 along with their programmes, which is decoded by your car radio. If this signal is identified, "TP" will appear in the display (**T**raffic **P**rogramme).
In addition to these, there are also stations which do not actually transmit traffic programmes themselves, but by using RDS-EON they make it possible 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.

If **TA** is pressed while a message is 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 if a preset button is pressed 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 you leave 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, tape operation will be stopped and a beep tone will sound. To switch off the beep tone proceed as described above.

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 played, this will only affect the current announcement.

Tape operation

The car radio has to be switched on.

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

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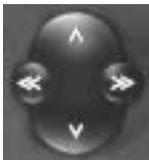
Insert the tape with side A or 1 facing up, the open side showing to the right.

Removing a tape

- Press ▽⏏ for 1 sec.
  The cassette will be ejected.

Fast winding

≫   **Fast forward**

≪   **Fast rewind**

∧/∨   **Title selection (CPS)**   ∧ Up
                                 ∨ Down

Stop function: press the opposite key.

Selecting titles with CPS

(**C**assette **P**rogramme **S**earch)

Use this function to skip (∧) and repeat (∨) recorded songs.

To start CPS:

- Press ∧/∨.

The CPS will not operate properly unless there is an unrecorded tape portion of at least 3 seconds between the individual songs.

Reversing the tape (autoreverse)

To change the tape direction during cassette playback:

- Press ▽⏏ 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.

Note:

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

You can select tape equalisation for chrome, metal or ferric tapes.

For chrome or metal tapes

- press preset button **1 (MTL)** until "MTL" appears in the display.

For ferric tapes

- press preset button **1 (MTL)** until "MTL" disappears.

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 song.

To start/stop the scan function:

• Press the **SCA** button briefly.

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

Listening to the radio during fast tape winding with RM (**R**adio **M**onitor)

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 "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 (**D**irect **S**oftware **C**ontrol) 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.
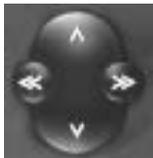
∧/∨   Select function
<< >>   Adjust/recall value

AM ON / OFF 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 (**R**adio **M**onitor)
(RM ON/OFF appears only in the cassette mode)
Allows you to listen to the radio during fast winding of the tape.
RM ON – Radio playback activated
RM OFF – Function deactivated

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 << >>. If "VOL 0" is set, the system will come on with the volume selected before switching it off.

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.

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

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

BEEP Acknowledgement tone for all of the functions which require a button to be pressed for more than 1 second. The volume can be set from between 0 to 9. (0 = off)

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 set for the program is lower. If the program volume is higher than the TA VOL level, the traffic report will be played slightly louder.
LOUDNESS	When the system is played at a low volume level, the Loudness function creates a more natural sound by boosting the low frequency range. LOUD 1 - Low boost LOUD 6 - Max. boost

To quit the DSC programming mode and store the adjustment:

• Press **DSC**.

The DSC programming mode will be automatically quit 8 seconds after you have made the last adjustment.

Overview of DSC factory settings

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

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 µV at 26 dB signal-to-noise ratio

FM frequency response:

35 - 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
Bosch Gruppe

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