



● **BLAUPUNKT**

Operating instructions



ACD 9850

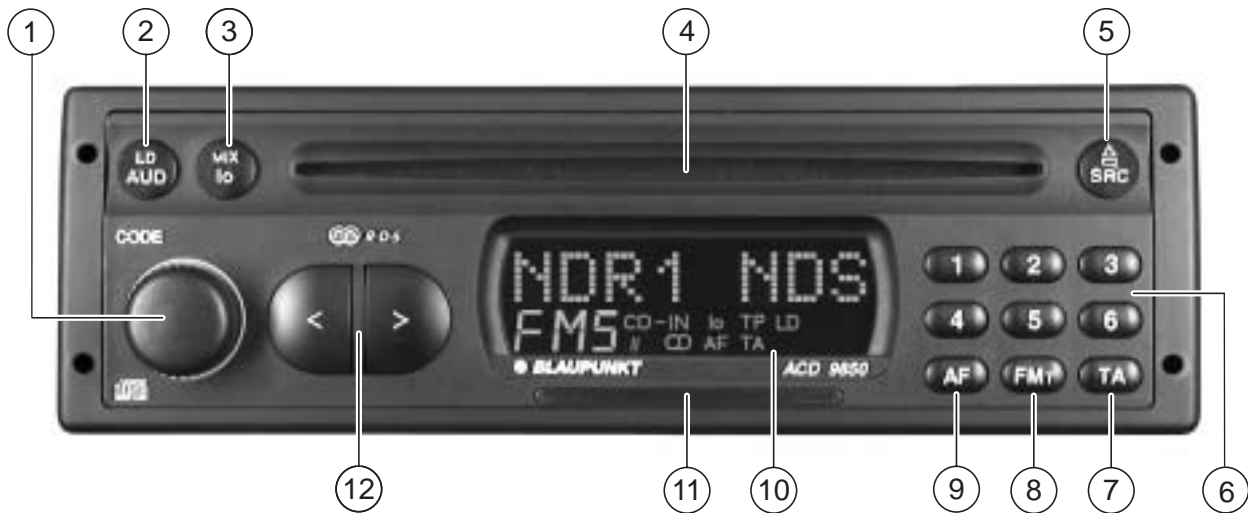


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Short instructions

① On/Off

Turn button.

On ↶

Off ↷

To adjust the volume:

Turn button.

② LD / AUD

LD - Loudness

When listening at a low level, the Loudness function will create a more natural sound by boosting the bass frequencies.

To switch the Loudness on/off: Press **AUD** until "LOUD ON" or "LOUD OFF" is displayed.

Extra function:

To adjust the bass boost level.

AUD – Audio

To adjust the

BASS

TREBLE

BALANCE (left/right volume)

FADER (front/rear volume).

To alter a setting:

Press **AUD** briefly until the abbreviation of the desired mode and the corresponding value appear in the display.



Use the < > buttons to alter the selected setting (will be indicated in the display). The last adjustment will be stored automatically.

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

③ MIX / lo

MIX - If "MIX" lights up in the display, the CD titles will be played at random.
To switch on/off: Press button briefly.

lo (local) - seek tuning sensitivity during radio operation.

"lo" lights up in the display - normal seek tuning sensitivity. The system will only pick up powerful nearby stations.

"lo" does not light up in the display - high seek tuning sensitivity. The system will also pick up weaker stations.

To switch over: Press **MIX/lo** briefly during radio operation.

Extra function:

To adjust the seek tuning sensitivity separately for local and distant reception.

Stereo/mono switching:

Keep button depressed until "MONO OFF" or "MONO ON" appears in the display.

④ CD slot

Insert the disc with the label side facing up. The system will automatically switch from radio to CD operation.

⑤ ≡ / SRC

To eject the disc:

Hold button depressed until the disc is ejected.

To switch between radio and CD operation:

Press button briefly while a CD is being played.

Extra function:

To switch the code-LED on/off.

⑥ 1, 2, 3, 4, 5, 6 - preset buttons

You can store six stations on each FM memory bank (I, II, T).

To store a station: Press button during radio operation and hold down until the radio resumes play.

To recall a station: Select the desired memory bank pressing the **FMT** button and press the relevant preset button briefly.

Extra function:

Coding: Read chapter “Anti-theft coding” first.

Buttons **1, 2, 3, 4** - To enter the four-digit code.

Press each of the buttons as many times as required until the code number given in the car radio passport stands in the display.

⑦ TA (priority for traffic announcements)

When “TA” is displayed, the system will only tune into stations offering traffic information.

To switch TA on/off: Press the **TA** button.

Extra function:

To adjust the traffic message and warning beep volume.

⑧ FMT

To switch between the FM memory banks:

Press button until the desired memory bank (I, II, T) is displayed.

T - Travelstore

To store and recall the six most powerful stations of your current reception area.

To store with Travelstore:

Press **FMT** until the search starts in the display. The system will store the found stations automatically.

To recall a station stored with Travelstore:

Press **FMT** until “T” is displayed. Then briefly press one of the presets 1-6.

⑨ AF

(Alternative Frequency during RDS operation)

When “AF” lights up in the display, the radio will automatically search for a frequency offering better reception of the same RDS program.

To switch AF on/off: Press **AF** briefly.

Extra functions:

REG ON / REG OFF - With REG ON the system will only switch to an alter-

native frequency if the latter belongs to a linked station offering the same regional program (see “REG - regional program”).

Manual station tuning:

When AF is switched off, the system will automatically switch to manual station tuning.

Use the < > buttons to alter the frequency in steps of 50 kHz.

10 Display

Radio operation



CD operation



- a) NDR2 - Station name
- b) 1 : 52 - Playback time
- c) FM - Waveband
- d) 6 - Preset button (1-6)
- e) I, II, T - Memory bank I, II, or T
- f) CD-IN - A CD is inserted
- g) ∞ - Stereo reception
- h) lo - Seek tuning sensitivity
- i) AF - Alternative RDS frequency
- j) TA - Priority for traffic information stations
- k) TP - The system receives a traffic program
- l) LD - Loudness → ② extra AUD function
- m) MIX - Playback of CD tracks in random order
- n) T5 - Track number

11 Code-LED

May flash for additional theft protection when the car radio is switched off.

12 < >

Station tuning – automatically, if “AF” lights up in the display.
– manually, if “AF” is off.

Switch with AF, → ⑨ AF.

Important notes

What you really have to read

Before you operate your new car radio, please read the information on “Traffic safety” and “Anti-theft coding” 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.

Always select a moderate volume for playing your car radio while you are driving.

Installation/Connection

If you would like to install this equipment yourself or add any new components, then please read the enclosed installation and connection instructions carefully.

Do not connect the loudspeaker outputs to ground!

Use only the accessory and replacement parts approved by Blaupunkt.

Anti-theft coding

This car radio is supplied with inactive code protection. In order to switch the anti-theft coding system on, proceed as described in the following.

If the code protection 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 passport.

Entry of a wrong code number

It should not be possible for a thief to find out the correct code number by a simple trial-and-error operation. This is why the set will be blocked for a certain period of time after a wrong code number was entered. The display will then show “- - -”.

The waiting time is 10 seconds after the first three attempts and one hour following subsequent trials.

After 19 unsuccessful attempts the display will show “OFF”, making it impossible for you to restart the unit.

Note:

Keep your car radio passport including the code number in a safe place in order to avoid “unauthorised access” to your car radio.

If the power supply to the unit is interrupted while the code system is switched on, you need to know the right code number.

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

If you have lost your radio passport and forgotten the code number, your radio can only be made operable again by one of our authorised customer service workshops, which is subject to payment.

Switching the code system on

To activate the code system:

- Turn off the radio.
- Press preset buttons **1** and **4** simultaneously, hold down and
- turn the set back on again.

The display briefly shows “CODE” before the set is switched on.

- Release presets **1** and **4**.

Now the code system is activated.

In future, “CODE” will always be briefly displayed each time the radio is turned on.

Restart following an interruption of the power supply (code 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 car radio passport:

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 “2420”.
- Press preset button **4** once; the display shows “2521”.
- To confirm the code number:
Press the rocker button \triangleright .

Now your car radio is ready for operation.

However, if the display again shows four dashes, you have made a mistake. In this case go ahead entering the correct code number after the waiting period has elapsed (“CODE” in the display).

When turning the radio off during the waiting time, this period is reset and will start anew as soon as the unit is switched on again.

Switching the code system off

- Turn off the radio.
- Press preset buttons **1** and **4** simultaneously, hold down and
- turn the set back on again.
The display shows “CODE”.
- Now enter the code number of the car radio passport and confirm (see example under “Restart ...”).

The code system is switched off.

Switching the code-LED on/off

When the car is stationary, you may let the LED below the display flash for additional theft protection.

Condition: The function is switched on (“LED ON”)

To switch on/off (radio turned on, no CD inserted):

- Press \triangleleft / **SRC** until “LED ON” / “LED OFF” is displayed.
- Use the $\langle \rangle$ buttons to activate the desired mode.

Radio operation with RDS (Radio Data System)

The last adjustment will be stored automatically.

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

On FM, the Radio Data System offers you more convenience when listening to the radio.

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

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

When RDS is activated, the station buttons become program buttons. You now know exactly which program 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 program 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 the radio is searching for the strongest reception signal, it will switch to mute briefly.

When "SEARCH" appears in the display after

the radio has been switched on or one of the stored frequencies recalled, the radio is automatically searching for an alternative frequency.

"SEARCH" will disappear from the display when the alternative frequency has been found or the complete frequency range has been run through.

If the reception quality of the selected program becomes too bad,

- tune into another station.

REG - regional program

Certain radio programs are split up at times into regional programs offering local information. The 1st program broadcast by NDR, for example, offers programs 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 program and move to an area where another linked regional program becomes stronger, the unit will switch to that program.

If you wish to continue listening to the first station,

- press the **AF** button for approximately 2 seconds. "REG ON" appears in the display.

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

- Press the **AF** button for approximately 2 seconds until "REG OFF" appears.

If REG ON is activated, "REG ON" will appear in the display briefly each time the radio is switched on.

Selecting a station

With this car radio you can receive FM stations between 87.5 and 108 MHz.

Selecting stations automatically < >

Condition: **AF** is switched on!

- Press < >; the car radio will automatically search for the next receivable station.

When keeping the < or the > button depressed, seek tuning will speed up in upwards or downwards direction.

Selecting stations manually < >

Condition: **AF** is switched off!

- Press < >; the frequency will change in small steps in downwards or upwards direction.

When holding the < or the > button pressed down, the frequency scan is speeded up.

Selecting the station search sensitivity

You can alter the sensitivity of the automatic station search.

For this purpose:

- Press the **lo** button briefly.

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

If "lo" does not light up, the radio will also pick up less powerful stations (higher sensitivity)

Separate adjustment of the sensitivity levels for local and distant reception

The sensitivity levels for local and distant reception can be adjusted separately:

a) Local reception

- Press the **MIX / lo** button to switch to "lo" (lights up in the display).
- Keep **MIX / lo** depressed until "S-LO" and the adjusted value are displayed (follows after "MONO OFF" or "MONO ON").



Use the < > buttons to alter the sensitivity value ("1" corresponds to high sensitivity, "3" corresponds to low sensitivity).

The last adjustment will be stored automatically.

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

Press **MIX / lo** to switch back immediately.

b) Distant reception

- Press the **MIX / lo** button to switch to "dx" ("lo" disappears from the display).
- Keep **MIX / lo** depressed until "S-DX" appears in the display. The adjustment is made as described under "a) Local reception".

Switching from stereo to mono

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

- Hold down the **MIX / lo** button until "MONO OFF" or "MONO ON" appears in the display.
The stereo symbol ∞ will disappear for mono playback.

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

The unit will automatically switch to mono playback under poor reception conditions.

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** button until the desired memory bank lights up in the display (press repeatedly if necessary).

Storing stations

You can store six stations on the preset buttons **1 to 6** for each of the memory banks I, II, and T.

- Use the **FMT** button to select the memory bank.
- Select a station with the rocker buttons **< >** (either automatically or manually).
- Press the desired preset button until the radio resumes play after the muting or until you hear a **BEEP**.

Now the station has been stored.

The activated preset button is indicated in the display.

Automatically storing the strongest stations with Travelstore

You can automatically store the six most powerful 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 at least 2 seconds.

The radio will search for the receivable FM stations and store them on the memory bank T (Travelstore). When this process has been completed, the radio will tune into the strongest 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 desired memory bank by pressing **FMT** until the desired bank is indicated in the display.
- Press the corresponding preset button briefly to recall the station.

Receiving traffic information stations with RDS-EON

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

All traffic program stations transmit a special telegram signal alongside their programs, which your car radio can evaluate. If this signal is identified, "TP" will appear in the display (**T**raffic **P**rogram).

In addition to these, there are also stations which do not actually transmit traffic information themselves, such as NDR3, but by using RDS-EON they make it possible to receive the traffic messages broadcast by another traffic information station in the same radio network. If you listen to one of these stations, "TP" will appear in the display as soon as the priority for traffic information stations is activated, i.e. "TA" lights up.

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

Traffic announcement priority on/off

If the priority for traffic announcements 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, the priority will be cancelled only for this announcement. The unit will then switch back to the previous condition. The priority for other traffic messages remains active.

Warning beep

If you leave the reception area of the traffic information 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 program allocated to it.

Switching the warning beep off

- a) Tune into another traffic program station:
 - Press **< >**, or
 - press a preset button with a traffic program station allocated to it.

Alternatively:

- b) Switch the priority for traffic announcements off:
 - Press **TA**.
"TA" will disappear from the display.

Automatic seek tuning start (CD operation)

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

If no such station is found within approximately 30 seconds, CD playback is 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.

If you would like to alter the setting, proceed as follows:

- Adjust the volume to the same level that you also wish to be used for playback of the traffic announcements and the warning beep.
- Then press **TA** until "TA-VOL" appears in the display.

This volume will be stored for the traffic messages and the warning beep.

CD operation

Inserting the disc

- Turn on the radio.
- Insert the CD (label side facing up) without applying force.

The disc is automatically pulled into the set to reach the playback position. Then CD reproduction starts.

Ejecting the disc

- Press the **≡/ SRC** button for more than 2 seconds. The disc will be ejected.

To protect the CD mechanism, the automatic insertion or ejection of the disc must not be impaired in any way.

Selecting a track

The activated CD functions will appear in the display as soon as the disc is inserted.

Use the **< >** buttons to select the desired title.

- **>** = To skip titles.
- **<** = To repeat titles.

When pressing the **<** button only once, CD playback will start at the beginning of the currently played track.

The rocker buttons have a sequence switch function, i.e. several tracks can be skipped at

a time by pressing the corresponding button repeatedly.

After the “T” (standing for “Track”), the system shows the track number of the currently selected piece of music.

Fast forward (cue):

- Keep the rocker button **>** depressed.

Fast backward (review):

- Keep the rocker button **<** depressed.

The Mix function

When the Mix function is activated, all CD titles will be played in random order. In this case, “MIX” lights up in the display. To skip a track, press the rocker button **>**.

To switch the Mix function on/off:

- Press **MIX**.

Changing the audio source with SRC (source)

When a disc is inserted, you can use the **≡/ SRC** button to shift between CD playback and radio operation.

To switch over:

- Press **≡/ SRC** briefly.

The Loudness function

When listening at a low level, the human ear is less sensitive to the bass frequencies than to the treble frequency range.

The Loudness function compensates for this effect by emphasising the low frequencies at reduced volume levels.

Since the individual sensation of sound is influenced by the type of system used (amplifier), the location and type of the employed loudspeakers, and by the vehicle itself, the Loudness threshold and the bass boost level can be adjusted.

The bass boost level was adjusted at the factory such that a natural sound impression is obtained over a wide frequency range.

However, you may also alter the Loudness setting. In this case, proceed as follows:

- Press the **LD/AUD** button until “LOUD” and the adjusted value appear in the display (you find this item after “LOUD ON” / “LOUD OFF”).
- Use the **< >** buttons to adjust the bass boost. “1” corresponds to the lowest, “6” to the highest efficiency level.

The last adjustment will be stored automatically.

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

Appendix

Summary of default settings made at the factory

LOUDNESS	3
S-DX	2
S-LO	2
LED	ON

Specification

Amplifier

Output power:	4 x 19 watts RMS power acc. to DIN 45324 4 x 20 watts max. power acc. to DIN 45324
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FM

Sensitivity:	0.9 μ V at 26 dB signal-to-noise ratio
Frequency range:	30 - 16,000 Hz (-3dB)

CD

Frequency range:	20 - 20,000 Hz (-1dB)
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Subject to modifications!

Blaupunkt-Werke GmbH
Bosch Gruppe

K7/VKD 3 D95 162 001