## Radio / CD / Changer

**Florida RD 168 US**
**Nevada RDM 168 US**
**Alaska RDM 168 US**

Operation instructions

REL  R·D·S  ▲  DMS  HIGHPOWER 4x40W  CLOCK  compact disc DIGITAL AUDIO  ···DigiCeiver  SRC SC

**FM1 EUROPE 1**

AF  PTY  TA  TP  lo  RPT  MIX   LD  DISC

ON  BLAUPUNKT

RDS  TS  BA  PTY   1  2  3  4  5  6   DIS  DSC  AUD

▶▶  RPT  MIX

∧  ≪  ≫  ∨

**BLAUPUNKT**

Bosch Gruppe
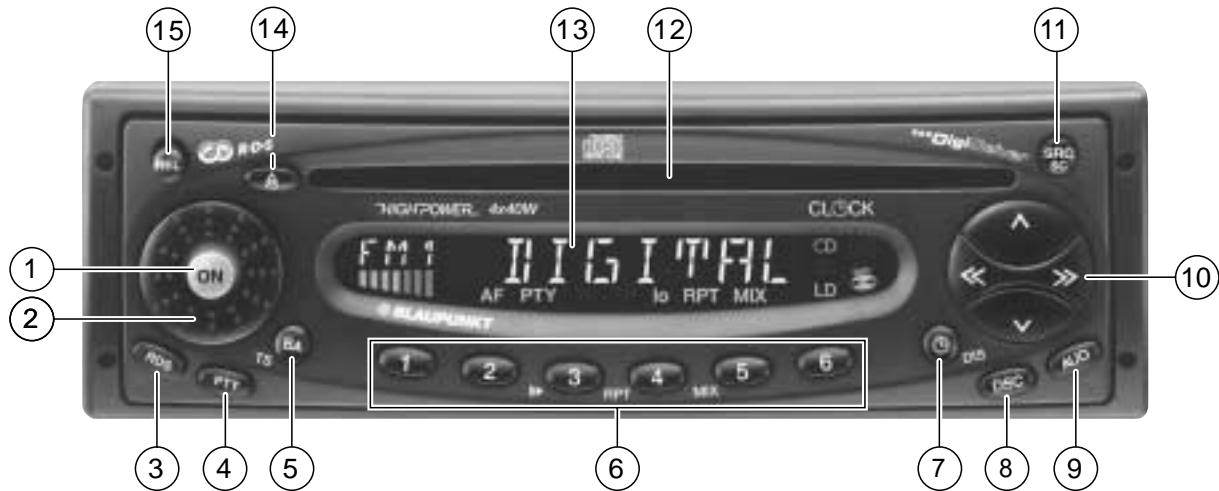
Thummer™ III Steering Wheel Remote Control (sold separately)
Commande à distance Thummer™ III (optionnelle)
Funcionamiento del control remoto Thummer™ III (opcional)
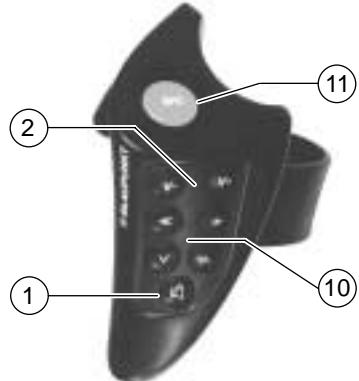Funcionamento do Controle Remoto Thummer™ III (opcional)

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# Equipment overview

## Florida RD 168

Florida RD 168 with multi-tone green display

Features:
– CD player
– 4 x 40 watt maximal output performance
– 4-channel preamp-output (3V)
– Release panel (detachable electronic face)
– RDS (FM/AM) EON
– PTY (station search by program type)
– Codem D reception model
– 30 storage areas
– Clock (exact time controlled by RDS with automatic daylight savings setting)
– Hicut (reduced interference when reception is difficult)

## Nevada RDM 168

Nevada RDM 168 with multi-tone orange display

Same features as Florida RD 168, but in addition:

– Equalizer for setting of low and middle frequencies (1 band equalizer, bass logic)
– Source tone memory (customized tone setting of each signal source (Radio, CD, CD changer) is stored automatically for the respective signal source)
– Connection of remote control possible
– Telephone mute (muting during phone call)
– Disc management system (Control of a connected CD changer possible)
– AUX function (connection of an external signal source (e.g., a walkman) possible)

## Alaska RDM 168

Alaska RDM 168 with multi-tone yellow and green display

Same features as Nevada RDM 168, but in addition:

– Equalizer for setting of low, middle, and high frequencies (digital parametric equalizer / 2 band)
– Sharx (automatic IF bandwidth switching to reduce interference from adjacent stations)
– CD naming (possibility of naming the CDs in the CD changer to be able to list them on the display)

# Quick reference

"Press" means a momentary press of less than 1/2 second. All presses requiring more than 1/2 second are followed by a beep. (Beep for all button presses available through Direct software Control Menu.)

1 **Power On/Off:**
Press the On/Off button in the center of the level volume control or inserting a disc into the unit - the face must be installed and the ignition must be on. The unit operates at the preset volume level.

**Power on/off when ignition is on:**
When unit on, the unit can be turned off and then on again through the car ignition.
Last-used source becomes active unless unit is turned on by inserting disc, in which case CD player becomes active.

**Power on when ignition is off:**
The unit (with faceplate installed) can be operated again as follows when the ignition is off:
The unit is turned on by pressing the On/Off button in the center of the volume level control.

In order to protect the car battery, the unit will automatically stop playing after approximately one hour.

2 **Adjusting the volume:**
The unit will operate at the preset volume level when it is turned on. The volume is changed by adjusting the loudness control.
Turn control to right to increase volume level. Turn control to left to decrease volume level.
Press On/Off button to temporarily reduce volume. "Mute" appears and volume level returns to the mute value set in the DSC menu.
To clear the mute function, press the On/Off button again or adjust the level control.
The mute function for reducing the volume level and the preset volume level of the unit can be changed according to the instructions under "Programming with DSC".

3 **AF**
To turn the AF function on/off:
Press the RDS key for approximately 2 seconds. You will hear a beep and "AF" appears.

With the assistance of RDS the unit will search for an alternative frequency that provides better reception for the station presently being listened to.
The AF function is turned off by pressing the RDS key for approximately 2 seconds.
After the beep the display will no longer display the letters "AF".

3 **RDS**
By briefly pressing the RDS key you can switch from the display of the station frequency to the name of the station (if available).

4 **PTY**
Program type = program mode
"PTY" turns the station keys to program type keys. Each station key allows you to choose a program type such as news, sports, rock, pop, education, etc. Once PTY is activated, the toggle switch << >> is able to call all program types. To activate press on the PTY key and "PTY" appears. Press the PTY key again to disactivate.

⑤ **BA**

To switch between the storage levels/ frequency band areas FM 1, FM II, TS (Travelstore) AM, and AM Travelstore.

Additional Travelstore features:
To activate Travelstore press the BA key until you hear a beep and "T-STORE" appears.
TS stores the six strongest stations.

⑥ **Station keys 1 - 6**

Radio operation

At each storage level (I, II, and "T") of the FM area, you can store up to six stations.
You can also store 6 stations in the AM area and the AM Store area.

**Preset Station Storage**
Set the radio to the station to be stored. Press the station key where the station should be stored (program will be muted) and hold down the key until the program can be heard again and the beeping stops.

**Preset Station Selection**
To set the frequency band area and choose the desired storage level (FM, AM or FM/AM Travelstore) press one

of the six preset stations. You can listen to the station stored there.

**Additional features of the preset station keys**
To store and select the PTY program type.
After activating PTY ("PTY" appears in the display), you can store and select a program type (e.g., rock, pop, classical, news, etc.) on each station key in FM operation.

CD operation

**3/II pause**
Press station key number 3 and the current CD program will be switched and "pause" appears. Press station key 3 again to stop pause.

**4/RPT repeat**
CD titles can be played repeatedly.
You are able:
To repeat the presently playing title ("REPEAT-T") or all titles of the CD you are presently playing ("REPEAT-D").
When the RPT function is activated the display lights up with "RPT". After choosing the repeat function and after each title change, the display will brief-

ly show "REPEAT-T" or "REPEAT-D".

REPEAT-T on:
• Press "4/RPT".

REPEAT-D on:
• Depress "4/RPT" and hold.

To turn "RPT" off: Press "4/RPT".

**5/Mix operation**
Press station key 5 to turn on the mix operation for the currently playing CD. This will cause the titles of this CD to be played in a random sequence. "MIX CD" appears and the word "MIX" will fade in at the bottom of the display. Pressing station key 5 again to disactivate this function.

**5/Mix operation of the CD changer**
CD titles can be played in random sequence.
You are able to:
Play all titles of a CD ("MIX-CD") or all titles of all inserted CDs ("MIX-ALL") in random sequence.
When the MIX function is activated, "MIX" appears.
After switching to this function and after each title change, the display will briefly show "MIX-CD" or "MIX-ALL".

MIX-CD on:
• Press "5/MIX".

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MIX-ALL on:
• Hold "5/MIX" depressed.
Press "5/MIX" to disactivate MIX.

⑦ **Clock display**
Press the DIS key when the unit is turned on and the current time will be shown for approximately 8 seconds. Additional features of the clock display Press and hold DIS key until it beeps which will result in a permanent time display.
When carrying out other functions, the time display will be masked for approximately 8 seconds.

⑧ **DSC (direct software control)**
You can customize certain basic unit settings with DSC. Additional information can be found in the section "Programming with DSC".

⑨ **AUD**
This key activates the tone setting menu. You can set different tone settings for each operation mode. The last setting for each operation mode will be stored. (This applies only to the Nevada RDM 168 and the Alaska RDM 168.)

**Setting treble (high tones) and bass (low tones):**
Press the AUD key once. The display will show "BASS" and you can change the setting by pressing the toggle switch either to the left or right.
You can change the treble setting by pressing the rocker switches either up or down while the display shows "TREBLE".
The display will show the chosen values. The last value will be stored. Press the AUD key to disactivate.
The AUD setting will end automatically if there is no change within 8 seconds.

**Setting balance (left/right) and fader (front/back):**
Press the AUD key two times.
By operating the rocker switches up or down you can set the volume ratio between the front and the back speakers. At the same time the display will indicate "FADER".
Press the toggle switches to the left and right to adjust the volume. At the same time, the display will indicate "BALANCE".
The display will show the selected values. The last value will be stored. Press the AUD key to turn off.

The AUD setting will be end automatically if there is no change within 8 seconds.

⑨ **LD - loudness**
To set the low tones appropriate for the human ear at low volume levels. Press the AUD key to turn the loudness function on/off and hold the key down until you hear a beep. In units with source tone memory, the loudness function can be turned on and off for each signal source independently.

⑩ **Toggle switch**
Radio operation



**Automatic tuning**
∧/∨    Station search
∧       up
∨       down

**Manual tuning**
**<< >>**  incrementally up/down
   (in FM only when AF turned off)

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In FM only:

**<< >>**  Scrolling through the station chains when AF is on (e.g. NDR1,2,3,4, N-Joy ...) .

CD operation



**Select title**

∧  up
∨  down
By pressing ∨ once, the currently playing title will start from the beginning.

**>>**  Fast forward, audible
Hold depressed as necessary
**<<**  Fast reverse, audible
Hold depressed as necessary

**Additional functions of the toggle switch:**
Possible other settings with
AUD          ⑨
DSC Mode    ⑧
PTY          ④
The respective function must be activated.

⑪  **SRC**
"SRC" (**s**ou**rc**e)
This key allows you to switch between the operation modes Radio, CD and a CD changer (if one is connected).

⑪  **SC Scan**

Radio operation

Press the SC key for approximately 2 seconds.
You will hear a beep and the display will alternate between "SCAN" and the abbreviated name of the scanned station. All FM stations that can be received will be briefly scanned.

**PTY scan:**
The PTY scan can only be started if PTY is turned on. (The display will show "PTY".)
Press the SC key for approximately 2 seconds.
You will hear a beep and the display will alternate between "PTY SCAN" and the abbreviated name of the scanned station.
The stations with the selected program type will be briefly scanned.

Stop Scan / PTY: Press the SC key.

CD changer

Press the SC key for approximately 2 seconds. You will hear a beep and the display will show "SCAN". Each title of each CD will be briefly scanned sequentially.

Stop CD Scan: Press the SC key.

CD Changer

Press the SC key for approximately 2 seconds. You will hear a beep and the display will show "SCAN". Each title of each CD will be briefly scanned sequentially.

Stop CD Scan: Press the SC key again.

⑫  **Inserting CD**
After inserting the CD with the label facing up, it is automatically transported to the operating position. The unit automatically switches and plays the content of the  inserted CD.

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⑬ **Display**

FM 1    DIGITAL    CD
BLAUPUNKT    AF  PTY    lo  RPT  MIX    LD  ☰

a   b   c   d   e   f       g   h   i       j   k  l

11:50

m

TD1    01:55

n           o

CD5

p

OPER

q
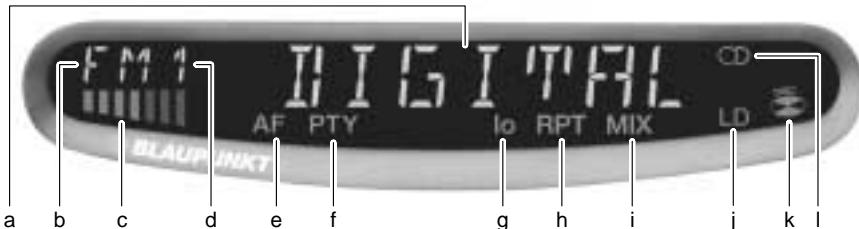
a)  -  Station name
b)  -  Frequency band area
c)  -  Peak/volume display
d)  -  Station keys (1 - 6)
e)  -  Alternative frequency with RDS
f)  -  Program type activated
g)  -  Sensitivity of station search
h)  -  CD repeat function activated
i)  -  CD mix operation activated
j)  -  Loudness function on
k)  -  CD in unit
l)  -  Program played in stereo
m)  -  Time display
n)  -  First CD title being played
o)  -  Length  of time CD title has been playing
p)  -  Fifth CD in CD changer being played
q)  -  CD name
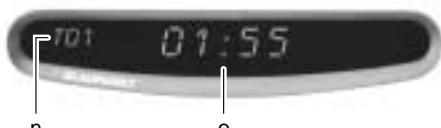
⑭ **Eject**
When you press this key the unit will eject the inserted CD.

⑮ **Detachable face**
By pressing the REL key the face will be freed and can be detached.
When you attach the face, first insert it into the mounting unit on the right hand side of the radio. Then press the face to the left side of the radio until you can hear it snap into place.
Be sure not to press on the display when attaching the face.

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# Important information

## What you definitely should read

You should read the following information carefully before operating your car radio.

## Traffic safety

Traffic safety should be your main concern. At all times you should use your car radio system so that you are able to react to the existing traffic conditions quickly.

Consider that your automobile travels 46 feet per second when driven at a speed of 31 miles/hour.

We recommend that you refrain from operating the car radio when traffic conditions are critical.

You must be able to react to warning signals (e.g. ,by the police and the fire department) in a timely and safe manner when driving your car.

For that reason, you should listen to your program at an appropriate volume level.

## Installation

We urge you to read the enclosed information about installation and add-ons before you attempt to install or expand your system.

In order for the system to operate problem-free you must connect "Plus" with the ignition and with the permanent +12V lead.

You must definitely not ground the speaker outputs because that will damage the power amplifiers.

## Telephone mute

If you use a car telephone, the radio and CD output can automatically be muted (telephone mute) when you receive a call. The display will then show "PHONE".

## Accessories

You should use only the accessories and replacement parts authorized by Blaupunkt. You can operate the following Blaupunkt products with this unit:

### Additional amplifiers

All Blaupunkt amplifiers

### CD changer

Only the Nevada RDM 168 and the Alaska RDM 168 can be operated with a CD changer. The CD changer CDC-A 08 and CDC-A 072 can be used for that purpose.

### Remote control

The infrared remote control RC 08 enables the operation of the most important radio functions from the steering wheel.

### Protective case for detachable face

A protective case  is delivered with the radios designed with a detachable face.

# Anti-theft security system/detachable face

The radio it is equipped with a detachable face in order to prevent theft.

## Detaching face

You detach the face by pressing the REL button at the top left of the radio. The face will snap out of its mounting unit and can be detached from the radio. The face can be detached when the radio is on or off.

## Attaching face

You attach the face by sliding it into the mounting points on the right side of the radio and by pressing the face into the mounting unit until you can hear it snap into place. Be sure not to press on the display when attaching the face.

After attaching the face the radio will return to the same operating mode as before the face was last removed.

## Care of face

The detached face should be carefully protected from the impact of blows and shock. The face must not come into contact with any liquids and should not be exposed to direct sunlight and other heat sources. In order to guarantee the trouble-free operation of the radio the terminal strip visible at the back of the face must be in excellent condition.

Therefore, when storing the detachable face, please use the protective case that was delivered with the radio.

### Locking face

In order to prevent the unauthorized removal of the face (e.g., during a sales presentation of the radio equipment), it is possible to lock it.

For that purpose, you insert the face and turn the delivered screw into the threaded hole at the left side of the radio.

# Choosing mode of operation

"SRC" (source) enables you to choose between the operation modes Radio, CD and CD Changer (if one is connected).

"CD" can only be chosen if a CD is inserted. "CD changer" can only be chosen if a CD changer including a CD magazine is connected.

If that is not the case, the display will show "NO CD".

You can switch the mode of operation by pressing the SRC key.

# RDS radio operation

The **r**adio **d**ata **s**ystem improves the ease of listening to FM stations.

More and more radio stations send RDS information in addition to the program.

As soon as station programs can be identified, the abbreviated name of the station along with the abbreviation of the region (if available) will be displayed (e.g., NDR 1, NDS (Niedersachsen)).

When the AF function is activated, RDS turns the station keys into program keys. Now you know exactly which program you are receiving and you are able to select the desired program directly.

RDS offers the following additional benefits:

## AF alternative frequency

The AF function automatically assures that the program is received at the best frequency.

This function is on when the display lights up with the letters "AF".

The radio output can be muted during the search for the best frequency of the selected program.

The unit is automatically searching for an alternative frequency if the display shows "SEARCH" when you turn the radio on or call a stored frequency.

"SEARCH" is no longer displayed when an alternative frequency is found or the entire frequency band was searched.

You should choose a different program if the selected one can no longer be received with acceptable quality.

## Selecting frequency band areas

You may choose between the following frequency band areas:

FM    87.7 - 107.9 MHz,
AM    530 - 1710 kHz

You select the desired frequency band area by pressing the BA key.

## Station tuning

### Station search ∧/∨

When you press ∧/∨ the car radio will automatically search for the next station.

When you hold ∧/∨ depressed in the up or down position the station search will quickly fast forward or reverse.



**Station search**
∧        up
∨        dpwn
**<< >>**    incrementally up/down (in FM only if AF is turned off)

**Manual tuning with << >>**

You can tune manually.

AF and PTY must be turned off. (The symbols do not light up in the display.)

You may also turn these functions off by pressing the RDS key or the PTY key.

To perform manual tuning:

Pressing << >> will incrementally change the frequency up or down.

If you hold the toggle switch down on the right or left, the frequency search will be conducted quickly.

## Scrolling through station chains (only FM)

You can call a station in the reception area by pressing << >>.

If several programs of the station chains can be received you are able to scroll >> (forward) or << (reverse) through the station chains (e.g., NDR 1, 2, 3, 4, N-JOY ...).

In order for this to work, the stations must have been received at least once before and AF must be activated (lit up in the display).

For example, you can start Travelstore as follows:

• Press the BA key for 2 seconds. This will cause a frequency search.

• If AF is not lit up you press the RDS key.

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Pressing << >> enables you to chose the station.

## Changing storage level (FM)

In order to store or call the stored stations, you may switch between the storage levels 1, 2, and T, as well as AM and AM Travelstore.
The display will indicate the selected storage level.

• Press the BA key until the display shows the desired storage level.

## Storing stations

By pressing the station keys 1 - 6 you can store six stations per storage level (1, 2, and T) in the FM area.
In the AM and the AM Travelstore area you can also store six stations per storage level.

• The BA key allows you to choose the frequency band area.

• Select a station by using the toggle switch (automatically ∧/∨ or manually << >>).

• Press the desired station key until the muted program is audible again (approximately 2 seconds) or the beeping stops.

Now the station is stored.
The display shows the stored station.

## Automatic storage of strongest stations with Travelstore

You can automatically store the six strongest FM and AM stations of the respective reception area you are presently in. This function is particularly useful when you are traveling.

• Press the BA key for 2 seconds.

The display will show "T-Store".
The six strongest FM or AM stations will automatically be stored in storage level T (Travelstore). When the process is completed the strongest of the six stations will be shown in the display and its program will be audible. You may also store stations in the Travelstore level by following the instructions under "Storing stations".

## Calling stored stations

You may call the stored stations by pressing the respective keys again.

• Choosing the frequency band area with the BA key and selecting the desired storage level. Press the BA key repeatedly until the desired level appears in the display, then press the respective station key.

## Scanning stations with radio scan

You can briefly scan the stations you are able to receive.

To turn on scan:
• Press the SC key for 2 seconds.

The display will flash the scanned frequency or the abbreviated station name. During the search the display will light up with "FM-SCAN" or "AM-SCAN".
If you would like to listen to the scanned station for a longer period, you Press the SC key and thereby terminate the preset scan. If no station is selected, the scan operation will be turned off after the search of the frequency band is concluded and the station you selected prior to the scan function will be played again.

## Changing scan time

You may increase the duration of the scan process incrementally from 5 to 20 seconds. Additional information can be found under "Programming with DSC".

## Changing sensitivity of station search

You may change the sensitivity of the automatic station search.
If "lo" is displayed, the search will only look for stations with good reception (low sensitivity).
If "lo" is not displayed, the search will also include stations with lower reception quality.
Under "Programming with DSC" you can find information about how to switch the sensitivity of the station search and how to program the station search sensitivity.

## Switching stereo/mono (FM)

The DSC menu allows you to switch between stereo and mono. This can be useful in marginal reception areas.
When turning the unit on it automatically provides stereo output.
As the quality of the reception decreases the unit changes smoothly to mono output.
The chapter "Programming with DSC/Stereo/Mono" informs you how to switch to mono.
The chosen mode will be briefly indicated in the display.

## Activating automatic IF band-width switching

The SHARX function in the DSC menu allows you to activate automatic IF bandwidth switching. This function proves to be beneficial when a reception area contains many stations. Choosing "SHARX ON" eliminates most of the interference caused by strong adjacent stations.
You can find additional information under "Programming with DSC - SHARX".

## PTY- Program type (mode)

This is an RDS service that is gradually being implemented by the broadcast companies. It allows you to automatically search for stations with a certain program content. You choose the specific program type and a search for the respective stations is conducted by station search or the scan function.

## Program types

Turn on PTY by pressing the PTY key.
By pressing << >> you can identify the program type you chose last and select a different one.
The station keys 1 - 6 enable you to select the stored program types. Some of the available program types are mentioned below:

POP
ROCK
WEATHER
CHILDREN
TRAVEL
HOBBIES
JAZZ
OLDIES
NEWS
SPORTS
CULTURE

### Turning PTY on/off

• Press the PTY key.

When the function is activated the display will briefly indicate the program type you last chose and then it permanently shows "PTY".

### Inquiring about station program type

• Press the PTY key for approximately 2 seconds.

After the beep the display will indicate the program type the received station is broadcasting.
If the display indicates "NONE," the station is without PTY identification.

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**Choosing program type**

a) with the station keys:

When PTY is turned on, the station keys 1- 6 select the program types determined by the factory.

- Press one of keys (1 - 6). The display will show the selected program type for 2 seconds.
- If you would like to listen to a station broadcasting this program type, start the station search by pressing ∧/∨.

Should no station with the chosen program type be found, the display will briefly indicate "NO PTY" and you will hear a beep. The station last selected will be received. Each storage area can be used for a different available program type. Should you wish further information, you may turn to the next paragraph titled "Storing the program type".

b) with the station search toggle switch << >>:

When PTY is turned on, you can choose a program type by pressing << >>.

- Press << or >>. The program type last selected will be displayed for 3 seconds.

- During that time you are selecting the desired program type by pressing >> (forward) or << (reverse).
- Press >> or << as often as necessary.
- If you would like to listen to a station with a particular program type start the station search by pressing ∧/∨.

If no station with the selected program type can be found, the display will briefly indicate "NO PTY" and you will hear a beep. The last selected station will be received.

## Storing program type

The factory has stored one program type on each of the keys 1 - 6.

You may, however, store other available program types.

If you would like to store a different program type, "PTY" must be illuminated in the display.

- If you wish you may turn "PTY" on by pressing the PTY key.
- Select the program type by pressing << >> and then press the selected key (1-6) until you hear a beep.

The selected program type can be called with this key when "PTY" is illuminated in the display.

## Scanning stations with PTY scan

The display must show "PTY".

- Press the SC key.

The stations that can be received and are broadcasting this program type will be briefly scanned.

To turn off scan:

- Press the SC key or the station search toggle switch once more.

## PTY priority

Scenario:

PTY is turned on; the letters appear in the display.

Presently no station of the selected program type can be received (not with station search or the scan function).

The unit switches back to the previous station.

If the radio is on, it will switch to that station for the duration of the program as soon as a station within the station chain of the selected program type can be received.

Example:

- Current station: NDR 3;
- "PTY" lit up in the display;
- POP chosen;

# CD operation

- Station search started, no station with PTY-POP found.
- Display shows "NO PTY" and automatically switches back to NDR 3.
- NDR 2 is broadcasting PTY-POP; the unit switches within the station chain to NDR 2 for the duration of the program.

Even during CD operation, the unit automatically switches within the station chain to the radio station broadcasting the selected program type.
At the end of the PTY program, the unit will switch back to the previous source (radio or CD).

Note:
Please note that, as already mentioned, not all RDS stations are supporting those functions yet.

You can play CDs with this unit.

**Note:**
You should only use the commercially available round CDs with a diameter of 12 cm! CDs with a diameter of 8 cm or CDs in the shape of, for example, a butterfly or a beer mug are not suitable to be played in the unit. You could cause serious damage to the CD and the drive.
We can not be held liable for damages caused by unsuitable CDs.

## Turning CD operation on

After inserting the CD (the display shows "CD"), you switch the sound source with the SRC key:

- Press the SRC key as often as necessary for the display to show CD functions (title number and playing time).

## Inserting CD

- Turn the unit on.
- Gently insert the CD (with the label facing up).

The CD is automatically moved to the playing position and is played.

## Removing CD

- Press the eject key.
  The CD will be ejected.

In order to protect the mechanism that automatically inserts or ejects CDs, you must not interfere with it. If the CD is not removed, it will be retracted automatically after approximately 30 seconds.

## Choosing title

After you insert the CD, the display will show the activated CD functions.



**Choose title** ∧/∨

∧ up
∨ down
Pressing ∨ once will start the presently played title from the beginning.

**>>** Fast forward, audible (CUE).
Press as long as necessary.

**<<** Fast reverse, audible (REVIEW).
Press as long as necessary.

The toggle switch acts as a sequence switch; by pressing it several times several songs can be skipped.
The display will indicate "T" (Track) and the respective number of the song just selected.

## CD mix operation

CD titles can be played in a random sequence. To activate and deactivate that function Press station key 5. The mix function is on when the display briefly shows "MIX CD" after implementing the change and at the beginning of each new title.

## CD pause

If you press station key 3 while playing a CD, the CD program will stop. The display shows "CD PAUSE".
By pressing station key 3 again, the pause function is deactivated and the CD program will be continued where it stopped.

## CD repeat (RPT/repeat function)

CD title can be played repeatedly.
You are able to:
Repeat the presently playing title (REPEAT-T) or all titles of the CD you are currently playing (REPEAT-D).
When the RPT function is activated, the display will light up with "RPT". After choosing the repeat function and
after each title change, the display will briefly show "REPEAT-T" or "REPEAT-D".
REPEAT-T on:
• Press 4/RPT.
REPEAT-D on:
• Depress 4/RPT and hold.
To turn RPT off: Press 4/RPT.

## CD SCAN operation

To briefly scan the CD titles.
To activate SCAN:
• Press the SC key for 2 seconds; the display will show "CD-SCAN".
The titles will be briefly scanned sequentially.
To deactivate SCAN:
• Press the SC key for 2 seconds.
The title last played will be continued.

# CD changer operation

Note: The operation of the CD changer is only possible with the Nevada RDM 168 and Alaska RDM 168!
The changer is equipped with a magazine for 10 CDs.

**Note:**
You should only use the commercially available round CDs with a diameter of 12 cm! CDs with a diameter of 8 cm or CDs in the shape of, for example, a butterfly or a beer mug are not suitable to be played in the unit. You could cause serious damage to the CD and the drive.
We can not be held liable for damages caused by unsuitable CDs.
You should keep the door of the CD changer closed after inserting the magazine in order to prevent dirt from entering.

## Inserting CDs

Load the magazine with one or several CDs (with the label facing up). Slide the magazine into the CD changer. Note the direction of the arrow. The CDs are counted from the bottom up.

## Removing CDs

Open the door of the CD changer and press the eject button.

## Playing CDs

Select the CD changer with the SRC key.

• Press the SRC key repeatedly until the display shows "CHANGER".

The first CD recognized by the changer will be played.

## Choosing titles

When you first begin to play the CD the display will indicate the information identifying the CD (e.g., number, name, or playing time).



**Choose CD ∧/∨**

∧ up
∨ down
The display will show the number or name of the currently played CD.

**>>** Fast forward, audible (CUE)

**<<** Fast reverse, audible (REVIEW).

You can skip several songs by pressing the key several times.

The display will indicate "T" (Track) and next to it the respective number of the song just selected.

## CD MIX operation

CD titles can be played in a random sequence.

You are able to:
Play all titles of a CD (MIX-CD) or all titles of all inserted CDS (MIX-ALL) in random sequence.
When the MIX function is activated, the display will show "MIX".
After switching to this function and after each title change, the display will briefly show "MIX-CD" or "MIX-ALL".

MIX-CD on:

• Press 5/MIX.

MIX-ALL on:

• Depress 5/MIX and hold.

To turn off MIX: Press 5/MIX.

## CD PAUSE

If you press station key 3 while playing a CD, the CD program will stop. The display shows "CD PAUSE".

By pressing station key 3 again, the pause function is deactivated and the CD program will be continued where it stopped.

## CD Repeat (RPT/repeat function)

CD titles can be played repeatedly.

You are able to:
Repeat the presently playing title (REPEAT-T) or all titles of the CD you are currently playing (REPEAT-D).
When the RPT function is activated, the display lights up with "RPT". After choosing the repeat function and after each title change, the display will briefly show "REPEAT-T" or "REPEAT-D".

REPEAT-T on:

• Press 4/RPT.

REPEAT-D on:

• Depress 4/RPT and hold.

To turn RPT off: Press 4/RPT.

## CD SCAN operation

To briefly scan the CD titles.

To activate SCAN:

• Press the SC key for 2 seconds; the display will show "CD-SCAN"

The titles will be briefly scanned sequentially.

To deactivate SCAN:

• Press the SC key for 2 seconds.

The title last scanned will be continued.

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# Naming CDs

## Choosing the display mode

When playing CDs, you may select the display mode:

"DISC NO" – The number of the CD currently being played is displayed.

"NAME" – The name entered (e.g., Madonna) will be displayed (only the Alaska RDM 168).

"TIME" – The number of minutes the title has already been playing (e.g., 2:32) is displayed.

### To change the display mode

The display mode can be changed in the DSC menu (see "Programming with DSC-CD DISP").
The factory setting for the display mode is TIME.
The display mode is briefly indicated and then the respective value is displayed (e.g., "TIME," "2:32").
If you select NAME and the CD does not have a name, the display will remain in the TIME mode.
For more information about this you should also read the section "Naming CDs".

**Note: The following functions can only be activated on the Alaska RDM 168.**

You can name CDs. This name (e.g., MADONNA) will appear in the display once you select the display mode "CD NAME" in the DSC menu.

If your radio has a built-in CD player you can name up to 30 CDs. When you insert one of those CDs, the unit recognizes the CD and displays its name if this display function has been selected in the DSC menu.

You can name up to 99 CDs when you are using a CD changer. When playing one of those CDs through the CD changer, the unit recognizes this CD and displays its name if this display function has been selected in the DSC menu.

## Starting CD name input

Select "CD player" or "CD changer" with the SRC key and insert a CD if necessary.

- Press the DSC key repeatedly until "CD/CDC NAME" appears in the display.
- Press << >> to set the modus CD NAMING.

A CD number or a CD name will be diplayed.

- Select the desired CD by pressing ∧/∨.
- Press << >> to set the mode CD NAME EDIT MODE.

If the CD has not yet been named 8 spaces will appear in the display. The first space will blink.

- Press ∧ or ∨ and select the letter, the number or an empty space.
  To select an empty space, select the symbol "_".
- Press << or >> to set the next character.
- Press the DSC key to store the name.

The display will return to the mode CDC NAME.

- Repeat this procedure to name an additional CD.
- If you would like to leave this mode entirely, press the DSC key.

To change a CD name:
If you would like to change an existing name, follow the steps under "Starting CD name input".

## Deleting CD name input

You may delete individual names, the CD magazine, or the complete name list of a player or changer.

### Deleting one CD name

• Select CD NAMING MODE.

• Choose the CD to which you would like to assign a new name.

• Select the mode CD NAME EDIT.

• Press the DSC key and hold it down.

You will hear a beep after 2 seconds (and after 8 and 12 seconds). After 2 seconds, one name is deleted. If you are only planning on deleting one name, press the DSC key for at least 2 seconds and release it before the end of 8 seconds.

After the name has been removed, the display will show "DELETED".

Then the display will return to the CDC NAME mode.

### Deleting all CD names of a CD magazine

• Select CD NAMING MODE.

• Choose the mode CD NAME EDIT.

• Press the DSC key and hold it down.

After 2, 8, and 12 seconds you will hear a beep. The names stored in a CD magazine will be deleted in 8 seconds. Therefore, you should press the DSC key for at least 8 seconds and release it again prior to the end of 12 seconds. After the names have been removed, the display will show "DELETED".

Then the display will return to the CDC NAME mode.

### Deleting entire name storage of a CD changer

• Select CD NAMING MODE.

• Choose the mode CD NAME EDIT.

• Press the DSC key and hold it down.

After 2, 8, and 12 seconds you will hear a beep. The names of all CDs in the CD changer will be deleted in 12 seconds. Therefore, you should press the DSC key for at least 12 seconds. After the names have been removed, the display will show "DELETED".

Then the display will return to the CDC NAME mode.

### Deleting entire name storage of a CD player

The procedure is the same as for the CD changer except that the name storage is deleted after the DSC key has been depressed and held for 8 seconds.

# Clock / time

The unit is equipped with an internal clock for which the hours and minutes are set via RDS in order to assure a high degree of accuracy.
This RDS control is only possible when an RDS station with CT (clock time) function can be received.
The automatic adjustment for daylight savings time can be turned off. Please note that presently not all RDS stations broadcast a time signal.

## Setting time

a) Automatically

   The time will be set automatically if an RDS station with CT (clock time) function can be received.

b) Manually with DSC-CLOCKSET
   • Press the DSC key; the display shows "MENU". Press ∧/∨ until "CLOCK SET" is displayed.
   • Press << >> to set the hours/minutes. The blinking area can be changed by using ∧/∨.
   • Press the DSC key to store the entered setting.

## Displaying time

The time can be displayed permanently during radio and CD operation. If another function is chosen, the time display will disappear for approximately 8 seconds while, for example, the selected station is being indicated.

To change the display mode:
• Press the DIS key for approximately 2 seconds until you her a beep.

## Adjusting time after power outage

If the unit is without power for an extended period of time, the display will show "0:00" when it is in operation again. The time will be reset automatically by RDS-CT. It can, however, also be set manually.
Manual setting of the time is only necessary if there is no RDS station with CT function in the reception area.

## Turning off adjustment for daylight savings time

The DSC menu option CLK MAN/CLK AUTO allows you to turn off the adjustment for daylight savings time. The minutes will continue to be adjusted automatically.

This can be useful if, for example, you are interested in displaying the time of a different time zone.
For this purpose
• Press the DSC key repeatedly and ∧/∨ until "CLK MAN/CLK AUTO" is displayed.

To deactivate the time adjustment use << >> to select "CLK MAN".

# Equalizer Setting

The sound in a vehicle is determined to a greater extent by the acoustic characteristics of the interior than by the characteristics of the loudspeaker.

Position, installation and the rear volume of, for example, the door or the rear shelf play a larger role.

Even if the loudspeakers are carefully selected and installed resonances in the interior of the car can negatively impact the sound.

This could lead to an elimination of the base level or to roaring or a dominating [?] middle level.

The musical instrument or voices could be seriously distorted or the sound could appear completely muffled.

The sound effect from a car radio could be significantly improved if certain frequency areas could be suppressed or amplified.

This unit is equipped with one (Nevada RDM 168) or two (Alaska RDM 168) parametric filters.

The first filter referred to as LOW EQ can be set to a range between 32 Hz and 500 Hz. The second filter referred to as HIGH EQ can be set to a range between 630 Hz and 10,000 Hz. In this case, parametric means that the frequency and the volume increase/decrease (+10 to -20db) can be adjusted separately for each filter.

This parametric filter can be adjusted precisely without any measuring instruments. The individual steps necessary for the settings are described in the table.

## Setting instructions

The following instructions are only recommendations. You are free to implement your own sound preferences.

When you adjust the filters we recommend that you use a CD with music you are familiar with.

The CD titles should present various instruments and songs. Music that is purely electronic will not serve the purpose because the original sound will not be known.

Set the bass, treble, balance and fader to "0" before you set the equalizers and, if necessary, turn off the loudness function.

This setting is described under "AUD" in the quick reference.

Now listen to the CD you are familiar with. Determine whether the sound effect meets your expectations.

Then read the table under "Sound effect/ problem" and find a solution under "Action".

Adjust the bass and middle sound level with the LOW EQ filter.

For the high and middle levels, choose HIGH EQ (only the Alaska RDM 168).

You can set the HIGH EQ and LOW EQ filters in the DSC menu:

- Press the DSC key.
  Press ∧/∨ repeatedly until HIGH EQ or LOW EQ appears in the display.
- Press << or >> once and set the level by pressing ∧/∨ according to the table below.
- Change the frequency areas by pressing << >>.
- Press the DSC key to store the new settings.

You can activate the equalizer in the DSC menu under the option EQ ON and deactivate it under the option EQ OFF. Thus, you are able compare the sound with and without the equalizer.

# Assistance in setting your equalizer

Start to make your settings in the mid-range/treble and end it with the bass range.

| Frequency range | Sound impression/problem | What to do | Notes |
|---|---|---|---|
| **Bass**<br>30 - 100 Hz | Bass reproduction too weak | Boost the basses with the "LOW EQ" filter<br>Frequency: 50 to 100 Hz<br>Level: +4 to +6 dB | Avoid distortion. Boost the level carefully if the speaker diameter is too small |
| **Lower mid-range**<br>100 - 400 Hz | Unclear bass<br>Playback reverberates<br>Unpleasant pressure on the ears | Reduce the lower mid-range with the "LOW EQ" filter<br>Frequency: 125 to 400 Hz<br>Level: approximately –4 dB | The tone may become too lean and aggressive.<br>Pay attention to the under-lying tone of the music. |
| **Mid-range sound**<br>400 - 4 000 Hz | Sound appears to be in the foreground, very aggressive, no stereo effect | Reduce the mid-range with "HIGH EQ" filter<br>Frequency: 1000 to 2500 Hz<br>Level: -4 to –6 dB | Playback should not be too quiet.<br>Tone too powerless |
| **Treble**<br>4 000 - 20 000 Hz | Lifeless reproduction<br>Lack of transparency<br>Instruments do not sparkle | Boost treble range with "HIGH EQ" filter<br>Frequency: approximately 10 kHz<br>Level: +2 to +4 dB | Avoid a piercing type of tone<br>Strong hissing sound un-pleasant |

# DSC programming

The DSC (direct software control) function of the car radio offers you the opportunity to adjust some of the settings and functions according to your needs and to store these changes.

The units are delivered with factory settings. An overview of the basic factory settings is provided below to enable you to return to these basic settings at any time.

Should you wish to change a programmed setting

• Press the DSC key.

Use the toggle switch to implement the choice and setting of the functions described below. The display will show the selected setting.

Select the function by pressing ∧/∨.
Set or select the value by pressing << >>.

**Note:**
Whether the various settings explained below are available to you depends on the model of your car radio and its features. This means, for example, that you will not find the setting for CDC DISPLAY in the DSC menu of the Florida RD 168 radio which is not intended to be operated with a CD changer. Basically the rule applies that you are not able to select functions the radio is not equipped with. Consequently, the settings of these functions don't need to be adjusted (see also chapter "Unit overview").

| | |
|---|---|
| AM ON/OFF | It is possible to lock the AM area. AM ON - all areas AM OFF - FM |
| AUX IN | If another signal source is to be connected through the CD changer, input AUX must be set to ON. Select the AUX function with the SRC key. The display indicates "AUX". |
| BEEP | Confirms functions for which the key needs to be pressed down longer than 1 second. The loudness of the beep can be set between 0 and 9 (0 = Off). |
| CLOCKSET | For setting the clock time manually. Refer to "Clock/time". |
| CLK. MAN. | Turn off adjustment for daylight savings time. Refer to "Clock/time". |
| CLK. AUTO | Automatic time adjustment with RTS/CT signal. Refer to "Clock/time". |
| CLK. 12/24 | Setting of 12 or 24 hour modes. |
| CD DISP. | Select display NAME, TIME. Refer to "Select display mode". |
| CDC DISP | Display NAME, TIME, or CD NUMBER when using CD changer. |
| CD NAME | Appears only when CDs are played. This function allows you to name the CDs. Refer to "Naming CDs". |
| DISP ON/OFF | Enables you to set "permanent time display when unit is off". The time display is visible as long as the ignition is on. |
| EQ ON/OFF | This is where you turn the equalizer function on and off. |

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**HIGH EQ** — Equalizer setting used to select and adjust the level of the upper frequency area. Refer to "Equalizer setting".

**HICUT** — Reduces interference during poor reception by "cutting" the high levels. Settings: NO HICUT or HICUT 1, 2, or 3 (3 = most drastic cut of high levels).

**LO-DX** — Changes the sensitivity of the station search. LO indicates reception of close stations. DX indicates reception of distant stations. Select LO 3 if you wish to receive strong close stations and DX 1 if you wish to receive weak distant stations.

**LOW EQ** — Equalizer setting. To select and adjust the level of the low frequency area. Refer to "Equalizer setting".

**LOUDNESS** — Loudness of the high and low tones at low volume levels adjusted to the human ear. LOUD 1 - slight level increase LOUD 6 - highest level increase

**MUTE LEVEL** — Used to quickly reduce the volume level with the push of a button. The resulting level can be programmed.

**PEAK** — PEAK ON : Display of the sound signal volume range. PEAK OFF: Static display of the sound volume.

**SCANTIME** — This function sets the scan time (5-20 sec.) for radio and CD during scan operations.

**SHARX** — Used to activate the automatic setting of ZF bandwidths. Set to SHARX ON when reception area contains many stations to avoid to the extent possible interference from adjacent stations.

**STEREO/MO** — Used to manually select stereo/mono operation. The display briefly indicates the mode selected. Each time the radio is turned on, it is automatically set to STEREO.

**T. ON VOL** — Allows you to determine the setting of the initial volume level. If Vol. 0 is set, the level last set is used.

Press the DSC key to store changed values and to leave the DSC menu.

# Specifications

## Overview of the basic DSC factory settings

| | |
|---|---|
| AM ON/OFF | ON |
| AUX IN | OFF |
| BEEP | 4 |
| CLK MAN/AUTO | AUTO |
| CLK 12/24 | 12 |
| CD DISP | TIME |
| CDC DISP | TIME |
| DISP ON/OFF | OFF |
| EQ. ON/OFF | OFF |
| HICUT | 2 |
| HIGH EQ | 630 Hz / 0 dB |
| LO-DX | SENS DX 1 |
| LOW EQ | 32 Hz / 0 dB |
| LOUDNESS | 3 |
| MUTE LEVEL | 15 |
| Peak ON/OFF | ON |
| SCANTIME | 10 |
| SHARX | ON |
| STEREO/MONO | Stereo |
| T. ON VOL | 0 |

## Amplifier

17 watts per channel minimum continuous average output into 4 ohms. 4 channels driven from 30-15000 Hz with no more than 1% total harmonic distortion.
40 watts max. power.

## Tuner

Wavebands:
FM          :          87.5 - 107.9 MHz
AM          :          530 - 1710 kHz

FM frequency response:     35 - 16 000 Hz

## Cassette

Frequency response:     30 - 18 000 Hz

## CD

Frequency response:     20 - 20 000 Hz

## CD changer
(optional, only for Alaska RDM168 and Nevada RDM168)

This unit offers you the ability to conveniently control a Blaupunkt CDC-A08 or CDC-A071 changer (or CDC-A05 with a special adaptor), all sold separately

Frequency response:          20 - 20 000 Hz

Features and specifications subject to change without notice.

# Troubleshooting Guide

The following check will assist in the correction of most problems which you may encounter with your unit. Before going through the check list below, refer back to the connection and operating procedures.

## General

| Trouble | Cause/Solution |
| --- | --- |
| No sound. | • Adjust the volume with the volume knob.<br>• With a two-speaker system, set the fader control to the center position. |

## Radio reception

| Trouble | Cause/Solution |
| --- | --- |
| Preset stations are not receivable. | • The broadcast is too weak. |
| Automatic tuning is not possible. | • The broadcast is too weak � Use manual tuning. |
| Travelstore feature does not complete storing of six stations. | • Not enough broadcast frequencies are receivable. |

Also make sure that antenna is connected, extended and dry inside.

## CD Changer operation (optional)

| Trouble | Cause/Solution |
| --- | --- |
| CD does not start. | • Dusty or defective disc.<br>• The ambient temperature is more then 50° C (120° F). |
| The disc cannot be loaded or is automatically ejected. | • The disc is inserted with the printed side downwards. |
| The sound skips due to vibration. | • The changer is installed at an angle of more than 20°.<br>• The changer is not installed on the sturdy part of a car.<br>• Dusty or defective disc. |

## Error Displays

| Trouble | Cause | Solution |
|---|---|---|
| "CD ERR" | A disc such as an upside down or dirty disc, or a CD-ROM (computer) disc. | Insert the disc correctly. Clean the disc. |
| "NO DISC" | No magazine or disc in changer | Take out the magazine and insert the disc. |

If the above mentioned solutions do not help to improve the situation, consult your nearest Blaupunkt dealer or in the United States call 1-800-266-2528.

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