

RPC 430

ATTACH SALES RECEIPT HERE

High-Power FM/AM/Cassette Receiver with Detachable Face
Autoradio/Cassette AM/FM de Forte Puissance à Face Amovible
Receptor FM/AM/Reproductor de Cassette de Alta Potencia y con
Carátula Desmontable
Rádio FM/AM/Toca-Fitas de Alta
Potência com Face Removível



Robert Bosch Corporation
Sales Group-
Blaupunkt Division
2800 South 25th Avenue
Broadview, Illinois 60153

BLAUPUNKT[®]
Bosch Group

288E7650

FCC WARNING

The equipment has been tested and found to comply with the limits for a Class B device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and, if not installed and used in accordance with instructions, may cause harmful interference with radio communications. However, there is no guarantee that radio interference will not occur in particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to consult the dealer or an experienced radio/TV technician for help.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

OWNER'S RECORD

The model and warranty numbers are located on the top of the unit. Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Blaupunkt dealer regarding this product.

Warranty Number _____

FEATURES

Congratulations on your purchase of this Blaupunkt FM/AM/Cassette Receiver. Its Optimum Reception Control (ORC IV) quartz FM and AM Tuner and high-quality, cassette tape player provide the ultimate in sound reproduction.

- Tuner Features:
 - ORC IV Tuner
 - 12 FM/6 AM Presets
 - Travelstore FM/AM
 - Automatic and Manual Tuning
- Cassette Features:
 - Autoreverse Cassette Mechanism
 - True Fast-Forward/Rewind
 - Hard Permalloy Tape Head
- Audio Features:
 - 4x 36 Watt Max. Integrated Amplifier
 - Volume/Balance/Fader Controls
 - Adjustable Turn-On Volume-Level
 - Separate Bass and Treble Controls
- General Features:
 - Detachable Faceplate for Security
 - Switchable Clock/Function LCD Display
 - Quick-Connect Wire Harness
 - 178 x 50 x 153.5 mm (7 x 2 x 6 in.) DIN Chassis
 - Snap-In DIN Sleeve & Mounting Hardware

Your unit's detachable front faceplate makes the unit useless to would-be thieves.

PRECAUTIONS

- If your vehicle was parked in direct sunlight resulting in a considerable rise in temperature inside the vehicle, allow the Unit to cool off before operating your unit.
- If no power connection is supplied to the unit, check the connections first. If everything is in order, check the fuse.
- If no sound comes from the speakers of a two-speaker system, set the fader control to the center position.
- You are cautioned that any changes or modifications not expressly approved in this manual could void your warranty.
- If you have any questions or problems concerning your unit that are not covered in this manual, please contact your Blaupunkt dealer.

DETACHABLE FACE

Detaching & Attaching the Face: The face of this unit can be detached and taken with you to prevent it from being stolen.

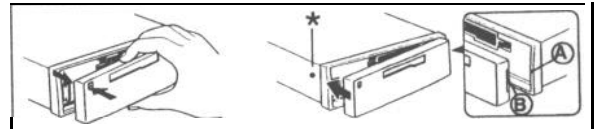
Detaching the Face: Before detaching the face, be sure to press the PWR Button first. Then press the REL (Release) Button and detach the face by gently pulling it off as illustrated.

Note: Do not pull it straight out from the chassis. Be sure not to drop the face when detaching it from the chassis.

Attaching the Face: Apply the right hand side of the face to the chassis by sliding (part B) of the face to (part A) at the front of the chassis. Gently push the left side of the face against the front of the chassis until it snaps into place.

Note: Make sure that the face is inserted right side up. Do not press against the display window. Do not press hard against the face when attaching it to the chassis, it may be easily attached with gentle pressure. Do not expose the face to direct sunlight, heat sources such as hot air ducts or leave it in a humid place. Never leave it on the dash board of a vehicle parked in direct sunlight, where there may be a considerable rise in temperature inside the vehicle.

Affixing Faceplate For Retail Display: The faceplate can be affixed to the units chassis, which is desirable for a retail display, for example. This should only be done in situations where the unit can be accessed from behind the mounting surface. Once the faceplate is affixed, the release keys cannot be used to remove the chassis. To affix faceplate, obtain the small bolt (M2.6 x 10) from hardware pack and drive it into the upper hole at the front of the left side of the chassis using a Phillips screwdriver. The bolt will self-thread the hole. (See above*)



ELECTRICAL CONNECTIONS AND INSTALLATION

! To avoid the aggravation of costly mistakes and serious damage that could make you feel this way, please carefully read all of the instructions before you begin. You'll be glad you did!

GENERAL RECOMMENDATIONS

- If you're not confident that you can install the unit correctly, have it installed by a qualified Blaupunkt installation technician.
- Use this unit only with negative ground 12 Volt (11-16 Volt) direct current (DC).
- Be sure to detach the faceplate before you start to connect or install the unit.
- If you use the unit's connector with or without an adapter, make sure that function of the leads (wires) of the connector match the function of the leads in the mating connectors!
- If your vehicle's radio wire harness is not compatible with this unit's harness connector, you can either a. buy an adapter harness at a car audio store -or- b. cut off the units connector and use a different type of connection.
- We recommend making and testing all electrical connections before installing the unit.
- Connect the leads (wires) according to instructions and diagram below unless the speaker's or amplifier's manual states that this is O.K.

ELECTRICAL CONNECTION INSTRUCTIONS

- 1 Disconnect the vehicle battery's negative terminal before making connections.
- 2 Before any other connections are made, you must first connect the antenna in order to avoid damage from mis-wiring.
- 3 Connect speakers following the guidelines in the SPEAKER CONNECTION section below.
- 4 Connect the black (power ground) lead to a grounded metal part on the vehicle. We recommend grounding all audio system black ground leads (head unit, CD changer, etc.) to a common grounding point, preferably a non-painted surface under the instrument panel.
- 5 Connect the yellow (constant power) input lead to a source of constant battery power, preferably a terminal to an appropriate slot in the fuse box.
- 6 Connect the red (turn-on power) input lead only after the other leads are connected. Be sure to connect the red lead to a positive (+) 12 Volt power terminal that is energized only when the ignition key is set to the on position or accessory position.
- 7 Cover the ends of any unused leads with electrical tape. This will prevent them from touching the vehicle or each other and causing a short-circuit and damage to the radio or vehicle.
- 8 Reconnect the vehicle's battery
- 9 Verify that no fuses have blown
- 10 Plug the harness into the unit
- 11 Attach the faceplate and test the unit

Once the connections have been successfully made, you can begin to install the unit

SPEAKER CONNECTIONS

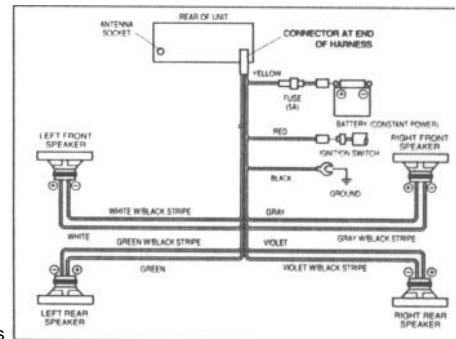
- You can connect a speaker (regular, co-axial or hi-axial speakers or component speaker system, all hereafter referred to simply as "speaker") to each of the units' four pairs of speaker leads.

Connecting the Speaker Leads

To prevent **short circuits or serious damage to the unit and/or speakers**:

- Connect the speaker leads only as indicated in the wiring diagram.
- Only use speakers that have impedance ratings of 4 ohms or higher and have power-handling capabilities greater than the head unit's stated power level.
- The units internal amplifier is designed to handle a 4-ohm load on each pair of speaker leads.
- DON'T connect two speakers to a single pair of speaker leads ("in parallel") unless both speakers each have at least 6 ohms impedance.
- DON'T connect the left and right speaker leads to each other or to the same speakers.
- DON'T connect the front and rear speaker leads to each other or to the same speakers.
- DON'T connect the negative speaker leads to each other.
- DON'T connect the positive speaker leads to each other.
- DON'T connect any active speakers (with built-in amplifiers) to the speaker leads.

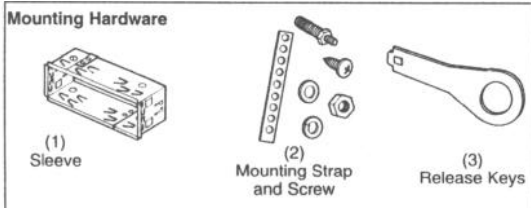
Adding CD Changer: You can easily play compact discs through this unit by adding the Blaupunkt CDC-RF6 6-Disc Compact Disc Changer. The space-saving CDC-RF6 easily plugs into the units antenna jack and comes complete with its own commander control. See your Blaupunkt dealer for details!



INSTALLATION

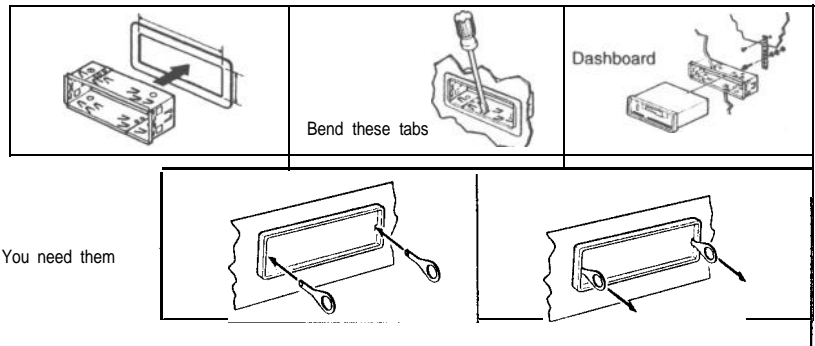
Recommendations

- Carefully choose the mounting location so that the unit won't interfere with normal driving.
- Avoid mounting locations where the unit would be subject to high temperatures, such as from direct sunlight or hot air from the heater, or where it would be subject to dust, dirt or excessive vibration.
- The illustration below shows a typical installation, however, you may need to adjust the installation, depending on the unit. If you have questions or need additional installation hardware, consult your Blaupunkt dealer.
- Make sure the unit is firmly anchored (preferably at both front and back) and does not vibrate.



Mounting The Unit in Most Dashboards

1. Install the Sleeve in the dashboard.
2. Select and bend the appropriate tabs to hold the sleeve firmly in place.
3. A. Attach the Mounting Strap to the underside of the dashboard, using screw.
B. Attach the back of the unit to the mounting strap using the support stem bolt and hardware.



Mounting the Unit in a Japanese Car
You may have difficulty mounting this unit in some Japanese cars. In this case, consult your Blaupunkt dealer.

Removing the Unit

Use the Release Keys as shown below. Keep them in a safe place in case You need them in the future.

MAINTENANCE

Fuse Replacement

When replacing the fuse, be sure to use one with the correct amperage, which will be slated on the fuse case. Never use a fuse that has a stated amperage exceeding the one supplied for this unit, as this could cause malfunction and serious damage to the unit.

SPECIFICATIONS

Audio Power Specifications

Power Output and Total Harmonic Distortion: 10 watts per channel minimum continuous average output into 4 ohms, 4 channels driven, from 30-15,000 Hz with no more than 1% total harmonic distortion

Other Specifications

Tuner

FM

Tuning Range:

87.5 - 107.9 MHz

Intermediate Frequency:

10.7 MHz

FM Mono Sensitivity:

18 dBf

Selectivity:

75 dB at 400 kHz

Signal-to-Noise Ratio:

85 dB (stereo), 70 dB (mono)

Harmonic distortion at 1 kHz:

0.7% (stereo), 0.5% (mono)

Separation:

30 dB

Frequency Response:

30-15,000 Hz \pm 3 dB

Audio

Speaker Impedance:

4-8 ohms

Maximum Amp Power:

30 Watts x 4 (at 4 ohms)

RMS Power:

10 Watts x 4

Bass Control:

\pm 10 dB @ 100 Hz

Treble Control:

\pm 10 dB @ 10 kHz

Cassette

Signal-to-Noise Ratio:

53 dB

Tape Wow and Flutter:

0.10%

Tape Frequency Response:

50-15,000 Hz \pm 3 dB

General

Dimensions (w/o projecting parts/controls): 178 x 50 x 153 mm

7 x 2 x 6 in.

Mass:

Approx. 1.4 kg (3.0 lb.)

Power Requirement (neg. gmd.):

12 V DC car battery

Operating Temperature:

15°F to 120°F, -10°C to 50°C

Supplied Accessories:

- Unit
- Faceplate
- Mounting Hardware
- DIN Sleeve

• Owner's Manual in English, French, Spanish and Portuguese

AM

Tuning Range:

530 - 1,710 kHz

Seek to sensitivity

55 dB μ V

Seek sensitivity:

35 dB μ V

Intermediate Frequency:

450 kHz

Signal-to-Noise Ratio:

45 dB

Design and specifications subject to change without notice.



INSTRUCTIONS — GENERAL OPERATION

"Press" means **momentary** press of less than 1/2 second

Turning Unit On

Vehicle ignition must be on To turn **unit** on, press PWR Button.

Turning Unit Off

Press the PWR Button to turn **the unit** off

Volume

Press + or - to quickly increase or decrease the volume to the desired level. The volume level is indicated in the **Display Window**. To make a fine adjustment to the volume level, press the other **part** of the button before the volume level disappears **from** the display. You can then gradually adjust the volume **in** either direction, making precise adjustment **easy**.

Adjustable Turn-On* Volume

First adjust the volume to the (**maximum**) volume level **desired** when the **unit is** turned on Press and hold the PWR Button for **more** than **two** seconds The **unit** turns off and the turn-on volume level **is** **memorized** When the **unit is** turned **on**, the volume **will** be at the **memorized** level, **even if** the unit was turned off **while** the volume was at a **higher** level However, if the volume **is** turned off when the volume level **is** lower than the stored Turn-On volume level, the volume **will** be at the lower level when the **unit is** turned back on

Setting the Clock

Turn **the unit** on Press the AUD Button for four seconds until the **clock** starts **blinking** (The **display** will change after **two** seconds Ignore **this** and **continue** to hold for two **more** seconds) **Once** the clock starts **blinking**, Press the A Button to set the hour, and press the V Button to set the **minutes** (To change the **minute** indicator to the nearest hour (**00**), **you** can press the BND Button) Press the AUD Button **again** to **activate** the clock

Changing the Information **Displayed**

- To change the display priority in the radio mode from clock to function or function to clock, press **the AUD** Button for **two** seconds The **display** priority changes
- To change the display temporarily in the radio mode from clock to function or function to clock, press and release the **AUD** Button * After **five** seconds, the **display** changes back to the **priority** information.

Bass and Treble

Press and release as many times as needed **AUD** Button to select the Bass mode. **once** **more** to reach the Treble mode. The level is indicated in the Display Window. Press the + Button or - Button to increase or decrease the **level**.*

Balance

Press **AUD** Button as **needed** to select the Balance mode. The balance is indicated in the Display Window. Press the + Button to increase the left speaker output or press the - Button to increase the right speaker output to the desired **level**.*

Fader

Press **AUD** Button as **needed** to select the Fader mode. The level of output for front and back speakers is indicated in the Display Window. Press the + Button to decrease the **rear** speaker output. Press the -Button to decrease the front speaker **output**.*

* **Five** seconds after you complete your **adjustments**, the **unit** will **automatically** return to the volume mode and the **display** will revert back to the **priority** display, clock or function. You can also **press** and release **AUD** as needed to return to **VOLUME**, which appears after **FADER** in the **AUD** Button cycle.

AUD Button Summary

- Pressing and **releasing** the **AUD** Button accesses these modes **in** **succession**:
- Temporary **Display** Change(s), Bass, Treble, Balance, Fader, Volume.
- Pressing** the **AUD** Button for two seconds **changes** the **display** **priority**, between clock and function.
- Pressing** the **AUD** Button for four seconds accesses the time adjustment **mode**.
- While** in any **AUD** mode, if **no** button is pressed for **four** seconds, the unit returns to the volume adjustment mode and priority display.

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.	<ul style="list-style-type: none"> Adjust the volume with the + button. With a P-speaker system, set the fader control to the center position.
Indications do not appear on the display window.	<ul style="list-style-type: none"> Remove the front panel and clean the connectors with a cotton swab and isopropyl alcohol (90% or higher) with a "in/out motion" -- NOT a side-to-side motion

Radio reception • (Make sure **the** antenna is connected, extended, and dry inside)

Trouble	Cause/Solution
Preset stations are not receivable.	<ul style="list-style-type: none"> The broadcast is too weak.
Automatic tuning is not possible	<ul style="list-style-type: none"> The broadcast is too weak --> Use manual tuning
Travelstore feature does not complete storing of six stations.	<ul style="list-style-type: none"> Not enough broadcast frequencies are receivable.

If the above mentioned solutions do not help to improve the situation, consult your nearest **Blaupunkt** dealer or in the USA call 1-800-266-2528 For dealer referral or product brochure call 1-800-950-2528.

RADIO OPERATION

Band Selection

Press the BND Button as **needed** to **access** the desired band, **FM/FMII** or AM.

Automatic Stereo/Mono **Reception** Adjustment

When an FM stereo program with a signal strength of at least 60 **dbf** is tuned in, **the** stereo indicator ("SD") appears in the **Display** Window. If the FM stereo program is weak and noisy, the unit automatically blends the signals, eliminating the noise and gradually converts to the monaural or "mono" mode. The **stereo** symbol will disappear from the **Display**.

Automatic Seek Tuning

Select the desired band. Press and release the **h** or **V** button to seek the **next** receivable station. To stop seeking and return to the previously tuned frequency, press the other of the **h** or **V** buttons. If the frequency is already stored **on** a preset button on the active band, the preset number will appear briefly.

Manual Tuning

Select the desired band. To begin manual tuning, press and hold the **h** or **V** button for 0.5 seconds. Five seconds after you complete your adjustments, the Tuning Controls (**A** **V**) Buttons **revert** to Seek Tuning. If the frequency is already stored on a preset button on the active band, the preset number will appear briefly.

Travelstore

This feature allows you to automatically store 6 receivable FM and 6 receivable AM stations, which is especially handy when you travel to a different reception area. Select the desired band. The " press BND Button again for 2 seconds. The band indicator begins to blink. Beginning with the last station received the unit automatically scans the band for the six stations with strong signals. Once completed, the unit returns to the previously-tuned frequency.

Selecting Preset Stations

Choose the desired band using the BND Button. Press the preset button that has the desired station.

Manually Storing Individual Presets

- Tune in the desired station using seek or manual tuning.
- Press the preset button on which you want to store the station for 2 seconds. To confirm that the station is stored, the audio mutes temporarily, the frequency blinks in the display, and the preset number appears briefly.

CASSETTE PLAYER OPERATION

Cassette Tape Play:

- Insert** cassette into Cassette Door. Note: Make sure that the side of the cassette with the tape exposed is facing to the right side and that all slack has been removed **from** the tape prior to insertion.
- The insertion of the cassette will automatically override the radio, and the **cassette** will begin to play. When the cassette deck is being used, the display will indicate which direction the tape is going.
- The tape will continue to play until ejected after which the radio will play.

Autoreverse Tape Function

- Automatic:** When the end of **the** tape (side A or **B**, program 1 or 2) is reached, the tape will automatically reverse **direction** and play the other side of the tape.
- Manual:** To reverse tape direction during playback, press **the** PROG (Program) Buttons. The change in direction and in tape program will be confirmed in the **Display**.

Fast Winding of Tape

- No matter which side of the **tape** that is playing:
 - To fast-forward the tape, press **the** FF Button. The direction arrow will blink to confirm the **fast-forwarding**.
 - To fast-rewind the tape, press the FR Button. The direction arrow stays **on** and the opposite arrow blinks to confirm the fast-rewinding.

Ejecting The Tape

Press the Cassette Eject Button to **eject** the tape. The radio will play.