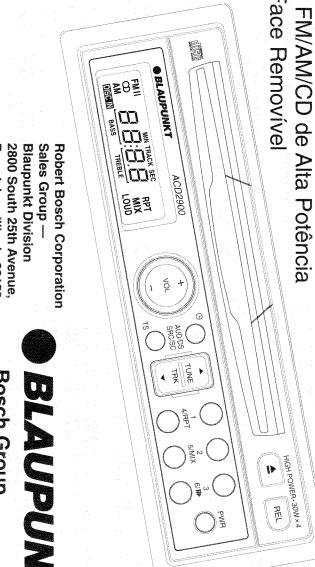
ACD2900

Autoradio AM/FM à Lecteur CD de Forte Puissance et à Face Amovible High-Power FM/AM/CD Receiver with Detachable Face

Receptor FM/AM/Reproductor de CD de Alta Potencia y con Carátula

Desmontable

com Face Removivel Rádio FM/AM/CD de Alta Potência



Broadview, Illinois 60153



Bosch Group

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 try to contact 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.

SAFETY CERTIFICATION

The use of optical instruments with this product will increase eye hazard.
Because the invisible laser beam in this compact disc player is harmful to the eyes, do not attempt to disassemble this cabinet. Refer servicing to qualified personnel only.

of Health and Human Services. OWNER'S RECORD The model and warranty numbers are located on the top of the unit. Hecord the serial number in the space provided below. Refer to these numbers whenever you call upon your This Compact Disc Player is made and tested to meet exacting safety standards. It meets FCC requirements and complies with safety performance standards of the US Department

FEATURES

Blaupunkt dealer regarding this product

of the Blann inkt CD Receiver . Its Optimum Reception Control (ORC III) quartz FM/AM tuner Anti-Vibration & Shock CD Mechanism provide the

Warranty Number

| ultimate in sound reproduction. Its high-p | ultimate in sound reproduction. Its high-power amplifier and 2-channel RCA preamp output provide tremendous system configuration flexibility. | put provide tremendous system configuration | on flexibility. |
|--|---|--|---|
| Tuner Features: ORC III Tuner | CD Features Track Up/Down | Audio Features: 30 Watts (Peak) x 4 Channel | General Features: Detachable Faceplate for Security |
| 12 FM/6 AM Station Presets, | Cue/ReviewPause/Play | Integrated Amplifier | - Switchable Clock/Function LCD Display |
| Including Travelstore for all Presets | - Track Repeat - Track Mix | 2-Channel RCA Preamp Output: | - Ignition-Off Clock Recall |
| Automatic and Manual Tuning | Track Number Indication | - Dual-Level Fader | - Amper illumination |
| - Station Scan | Elapsed Track Time Indication Disc IN Indicator | Volume/Balance/Fader Controls Adiustable Turn-On Volume-Level | – Detachable Wire Harness– 178 x 50 x 155 5 mm (7 x 2 x 6 in.) DII |
| Your unit's detachable front faceplate | 1 Bit/8 Times Oversampling Digital Filter | Loudness Control | Chassis |
| makes the unit useless to would-be | Silicone-Oil Dampened Anti-Vibration | Separate Bass and Treble Controls | - Snap-in DIN Sieeve & Wounting Hardw |
| thieves | and Shock CD Mechanism | | |

PRECAUTIONS

- The use of optical instruments with this product will increase eye hazard.
- Because the laser beam in this compact disc player is harmful to the eyes, do not attempt to disassemble this cabinet. Refer servicing to qualified personnel only
 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.

- If you have any questions or problems concerning your unit that are not covered in this manual, please contact your Blaupunkt dealer You are cautioned that any changes or modifications not expressly approved in this manual could void your warranty

DETACHABLE FACE

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

Detaching & Attaching the Face:

Press the REL (Release) Button and detach the face by gently pulling it off as illustrated. (See Fig.1 below.

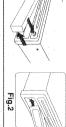


Fig.1





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

Attaching the Face:

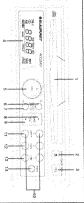
Attaching the Face:

Apply the left hand side of the face to the chassis by sliding it into the left side of the chassis. (See Fig.2.) Gently push the right side of the face against the front of the chassis until it. snaps into place. (See Fig. 3.)

The faceplate can be affixed to the unit's 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. Affixing Faceplate For Retail Display: parked in direct sunlight, where there may be a considerable rise in temperature inside the vehicle. 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 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

The bolt will self-thread the hole. (See* in Fig.3. To affix the faceplate, obtain the small bolt (M2.6x10) from hardware pack and drive it into the upper hole at the front of the right side of the chassis using a No. 2 Phillips screwdriver.

LOCATION OF CONTROLS



Disc Insertion Stor

Treble Mode Access

- REL (Face Release) Disc Eject Button
- LCD Display Window
- VOL + Audio Adjustment

Ø

AUD/DS/Clock

Bass Mode Access

Temporary Display Change Loudness On/Off Source Change

SRC/SC/TS

Clock Adjustment Access Display Priority Change Fader Mode Access Balance Mode Access

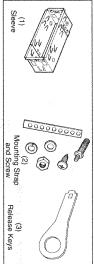
- Station Scan and Track Scan Minute:00 Travelstore
- တ A Button Track Up & Cue Seek and Manual Tuning Hour Adjustment
- Track Repeat 10. Preset Station Buttons Track Down & Review V Button Minute Adjustment Seek and Manual Tuning
 - 12.Track Mix 13.Track Pause 14.PWR Max. Turn-On Power On/Off Volume Set

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 subject to dust, dirt or excessive vibration.
- nardware, consult your Blaupunkt dealer. 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
- Make sure the unit is firmly anchored (preferably at both front and back) and does not vibrate

Mounting Hardware



Mounting the Unit in a Japanese Car

In this case, consult your Blaupunkt dealer You may have difficulty mounting this unit in some Japanese cars

Removing the Unit

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

Fuse Replacement

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

SPECIFICATIONS

Audio Power Specifications

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

Signal-to-Noise Ratio:

50 dB 25 dBµV

Intermediate Frequency: 450 kHz

Seek sensitivity:

Tuning Range

530 - 1,710 kHz

Maximum Amp Power: Speaker Impedance:

4-8 ohms

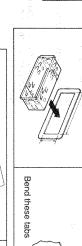
Other Specifications

Tuner Frequency Response Separation Harmonic distortion at 1 kHz: Signal-to-Noise Ratio: Seek sensitivity FM Mono Sensitivity: Intermediate Frequency Tuning Range Selectivity 30 dB $30-15,000 \text{ Hz} \pm 0.75 \text{ dB}$ 0.7% (stereo), 0.5% (mono) 25 dBf 15 dBf 80 dB at 400kHz 10.7 MHz 70 dB (stereo), 75 dB (mono) 87.5 - 107.9 MHz

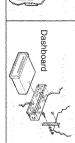
Design and specifications subject to change without notice

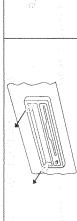
Mounting The Unit in Most Dashboards

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









Harmonic Distortion

+ 14 dB @ 100 Hz ± 10 dB @ 10 kHz ± 10 dB @ 100 Hz 4 X 10 Watts (at 4 ohms) 4 X 30 Watts (at 4 ohms) & + 5 dB @ 8 kHz

Preamp Output Voltage: 1.5 volts maximum @ 100% Harmonic Distortion Modulation with < 1% Total 2-CH RCA

Preamp Outputs:

Loudness: Bass Control: RMS Power:

Treble Control

CD Player

Frequency Response Dynamic Range: Signal-to-Noise Ratio:

> 90 dB 90 dB

5-20,000 Hz ± 3 dB 8-20,000 Hz ± 1 dB

.01%

Dimensions (w/o projecting parts/controls) General 78 x 50 x 155.5 mm

Power Requirement Operating Temperature: (neg. grnd.):

Supplied Accessories: Uni

15°F to 120°F, -10°C to 50°C 12 V DC car battery

Approx. 1.4 kg (3.0 lb.

7 x 2 x 6 in.

 DIN Sleeve Faceplate

Mounting Hardware

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

ELECTRICAL CONNECTIONS AND INSTALLATION

Carefully follow all instructions. You'll be glad you did! @/<?#&*>@! 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

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.
- We recommend making and testing all electrical connections before installing the unit. Connect the leads (wires) according to instructions and diagram below

ELECTRICAL CONNECTION INSTRUCTIONS

- Connect the speakers and/or external amplifiers (if you have any) following the guidelines in the SPEAKER CONNECTION section below Disconnect the vehicle battery's negative terminal before making connections.
- total amperage required for triggering the antenna motor and/or amplifier must not exceed 100 mA. DO NOT connect the blue lead to the antenna's and/or amplifier's power Connect the blue (trigger output) lead to the amplifier's trigger input terminal and/or antenna motor trigger input terminal (if you have either or both of these items). The combined
- 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, external amplifier etc.) to a common grounding point, preferably a non-painted surface under the instrument panel.
- 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.

 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
- 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 when the ignition key is set to the on position or accessory position.
- Reconnect the vehicle's battery
- Verify that no fuses have blown
- Plug the harness into the unit.

Once the connections have been successfully made, you can begin to mount the unit Attach the taceplate and test the unit

SPEAKER CONNECTIONS

tremendous flexibility in configuring your speaker arrangement You can connect a speaker (regular, co-axial or tri-axial speakers or component speaker system, all hereafter referred to simply as "speaker") to each of the units' four pairs of The unit's Dual-Level Fader allows you to fade between the front and the rear channels using either the front and/or rear speaker leads and/or the rear preamp outputs, providing you

- systems through the amplifiers. (Blaupunkt amplifiers and speakers available separately. Call 1-800-950-2528 for You can connect the 2 RCA preamp outputs to multiple external amplifiers and power multiple speakers or speaker product brochure and/or dealer referral.)
- You can use a combination of these two methods

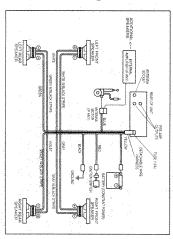
Connecting the Speaker Leads

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

- Only use speakers that have impedance ratings of 4 ohms or higher and have power-handling capabilities greater than Connect the speaker leads only as indicated in the wiring diagram.
- The unit's 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 8 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 positive speaker leads to each other

DON'T connect the negative speaker leads to each other

- DON'T connect any active speakers (with built-in amplifiers) to the speaker leads or unless the speaker's or amplifier's manual states that this is OK



INSTRUCTIONS — GENERAL OPERATION

"Press" means momentary press of less than 1/2 seconds.

Ignition-Off Clock Recall

You can check the time when the vehicle ignition is off by simply pressing the AUD/DS Button. The time stays displayed for five seconds.

Turning Unit On

Vehicle ignition must be on. To turn unit on, press PWR Button or insert a disc.

Turning Unit Off

Press the PWR Button to turn the unit off.

Volume

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

Source Change

Press the SRC (Source) Button as needed to reach radio bands FMI, FMII, AM and the CD player (if disc is already inserted).

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 Turneon volume level, the volume will be at the lower level when the unit is truned back on.

Setting the Clock

Turn the unit on. Press the AUD/DS 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 Λ 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 SRC Button. Press the AUD/DS Button again to activate the clock.

Changing the Information Displayed

You can temporarily change the information shown in your unit's display. You can also select which information has "display priority" and is shown in the display except for moments when adjustments are made.

- To change the display priority, press the AUD/DS Button for two seconds. The display priority changes. In the radio mode, the display priority choices are clock and radio frequency. In the CD mode, the display priority choices are clock, track number, and elapsed track time.
- To change the display temporarily, press and release the AUD/DS Button one or two times to access the desired information.* After five seconds, the display changes back to the priority information.

Loudness

Press AUD/DS Button as needed to select Loudness adjustment mode – the word "LOUD" begins blinking. Press + to activate loudness, - to deactivate loudness.

Bass and Treble

Press AUD/DS Button as needed to select the Bass once more to reach Treble mode. The level is indicated in the Display Window. Press the + Button or – Button to increase or decrease the level.*

Balance

Press AUD/DS Button as needed to select the Balance mode. The balance is indicated in the Display Window. Press the + button to shift sound to the left. Press - button to shift sound to right.

Fader

Press AUD/DS Button as many times 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 shift sound to the front. Press - button to shift sound to rear.

* 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/DS as needed to return to VOLUME, which appears after FADER in the AUD/DS Button cycle.

AUD/DS Button Summary

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

RADIO OPERATION

Automatic Stereo/Mono Reception Adjustment

When an FM stereo program with a signal strength of at least 50 dBf is tuned in, the stereo indicator (")") 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 Λ or V button to seek the next receivable station. To stop seeking and return to the previously tuned frequency, press the other of the Λ or V buttons.

Manual Tuning

Select the desired band. To begin manual tuning, press and hold the Λ or V button for 0.5 seconds. Five seconds after you complete your adjustments, the Tuning Control reverts to Seek Tuning.

Station Scan

Press the SRC/SC Button for greater than 1/2 a second to activate station scan. Scanned frequencies will blink. (Hold-down for greater than 4 seconds activates Travelstore.) To stop scan, press the same button.

Traveletore

This feature allows you to automatically store 12 receivable FM and 6 receivable AM stations, which is especially handy when you travel to a different reception area.

Select the desired band. Then press SRC/SC button for 4 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 switches to preset 1 on that band. If no stations are receivable, the unit returns to the previously-tuned frequency.

Selecting Preset Stations

Select the desired band. Press the desired preset button. Then preset number will appear for 1 second. The frequency will appear.

Manually Storing Individual Preset Stations

- 1. Select the desired band using the SRC button.
- 2. Tune in the desired frequency using seek or manual tuning.
- 3. Press and hold down the desired preset button for 2 seconds.
- 4. The frequency blinks and the audio mutes to one second to confirm storage.

COMPACT DISC OPERATION

Inserting A Disc

Check Display to make sure that "DISC IN" indicator is not lit. Insert a disc into the Disc Slot with the label surface facing up. Because this is a mechnical-insert/eject CD player, make sure that the disc is inserted completely, as confirmed by a definite "click" and the appearance of the "DISC IN" indicator. The track number and "DISC IN" indicator will appear in the Display. Play starts at the beginning of the first selection.

Do not insert a 3-inch CD.

When a CD is already in the unit, simply press the SRC Button to switch from radio to CD playback.

Ejecting A Disc

To eject a disc, press the eject button. Once ejected, the disc should be put in the case.

Track Up/Down

Press the Λ Button or V Button to locate the desired track. Track number appears in the display.

Cue and Review

Press and hold the Λ Button or V Button to rapidly advance forward or backward to the desired position of the track during playback.

Repeat Play

Press the RPT (Repeat Play) Button to repeat the same selection. The "RPT" indicator is displayed in the Display. To cancel, press this button again.

Mix Play

Press the MIX Button to play the tracks in random order. The indicator "MIX" will appear in the Display. To cancel, press this button again.

CD Scar

Press SRC/SC Button for more than 1/2 second to start CD Track Scan; start of scan mode is indicated by the blinking of the track number. The unit stops at each track for 10 seconds. Press again to end the Scan mode.

Dauce

Press the Pause Button during playback. Play will stop. Press again to resume play.

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.

TROUBLESHOOTING GUIDE

General

| Trouble | Radio reception | Indications do not appear on the display window. | No sound. | Trouble |
|-----------------|-----------------|--|---|----------------|
| | | n the | | |
| Cause/Solution* | | Remove the front panel and clean the connectors with cotton swab dipped in isoprophyl alcohol (90% or higher). | Adjust the volume with the + button. Set the fader control to the center position with a 2-speaker system. | Cause/Solution |

| FOUDIE | Canadioonne |
|---|--|
| 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 | xtended and dry inside. |
| 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 for technical assistance, parts and service. Call 1-800-950-2528 for dealer referral or to request product brochure. | 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 for technical assistance, parts and service. Call 1-800-950-2528 for dealer referral or to request product brochure. |
| | |

E-04

Mechanical error.

Eject and reinsert.

In the unlikely event that the CD doesn't play, first eject the disc, make sure it is clean, undamaged and that the print side is facing up; then load it again. If problem continues, try to

CD operation*

| eliminate t | he problem by turning the problem by turning the ight of the unit, behind the unit, behind the ight of the unit, behind the unit, behind the ight of the unit, behind the | he faceplate, w | uniquinally and that the print side is along up, then to be a sessing the power point of the control of the con |
|----------------|---|---|--|
| | Trouble | | Cause/Solution |
| CD play | CD play does not start. | Dusty or d The ambie | Dusty or defective disc. The ambient temperature is more than 50°C (120°F) |
| | | * THE ATTION | The aniplem temperature is more man 30 C (120 m). |
| The dis | The disc cannot be loaded | • The disc is | The disc is inserted with the labeled side |
| or is au | or is automatically ejected. | downwards | \$ |
| The so | The sound skips due to | * The unit is | The unit is installed at an angle of more than 20°. |
| vibration | 37 | Dusty or d | Dusty or defective disc. |
| Error Displays | plays | | |
| Display | Cause | | Solution |
| E-01 | Data error. Disc is dirty, scratched up-side-down or CD-ROM. | y, scratched, ROM. | Eject and insert clean, undamaged disc properly (print side up). |
| E-02 | Focus error, possibly due to extreme temperature. | due to | Try ejecting and reinserting under normal temperature conditions. |
| E-03 | Data and focus errors. | | Under normal temperature conditions, eject and insert clean, undamaged disc |
| | | | properly. |
| | | | |