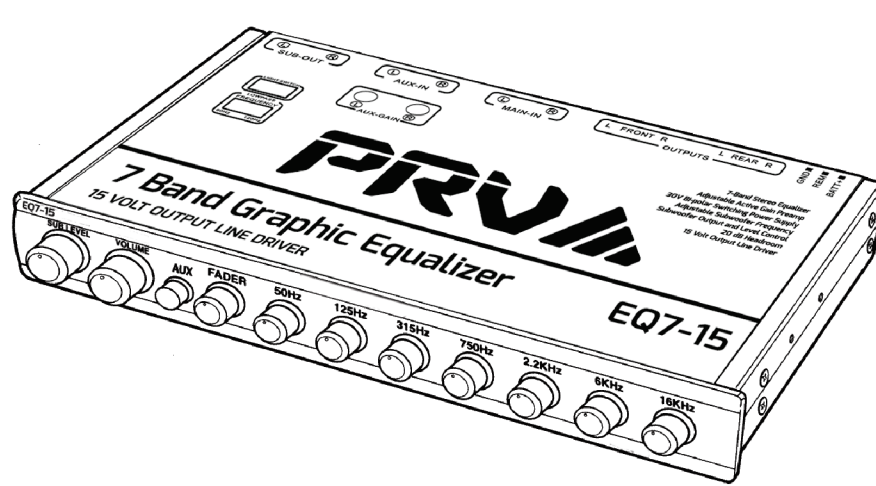



OWNER'S MANUAL

7 Band Graphic Equalizer

15 VOLT OUTPUT LINE DRIVER



EQ7-15



www.prvaudio.com

Thank you for purchasing this PRV Audio Brazil product.

- Please read this owner's manual in its entirety before operating this equipment.
- After reading this manual, keep it handy, such as in your glove compartment.

If you have any questions about the installation or operation of your new PRV Audio product, click on the CONTACT US tab on the PRV Audio homepage: www.prvaudio.com

PRV Audio products are guaranteed for a period of ONE (1) YEAR from the date of original purchase against any manufacturer's defects in material and workmanship under normal use. This warranty protects only the original purchaser of PRV Audio products purchased from an Authorized PRV Audio Dealer. This warranty is non-transferable.

This warranty does not extend to damage resulting from, but not limited to:

Improper installation, product modification, misuse and neglect, abuse (items returned repeatedly for the same damage may be considered abuse), damage resulting from attempted repairs by unauthorized repair centers or individuals, damage incurred during shipment, blown outputs or power supplies in amplifiers from over driving or under voltage due to spitting the LED Clipping Indicator, excessive vibration damage in amplifiers due to improper installation, using an aluminum wire and/or any other wire that is not recommended in the owner's manual on a high-current amplifier. Installation and removal costs of the products associated with obtaining a warranty claim product damaged in an accident, damages due to criminal activity, by acts of God (lightning, flooding, etc.), products with the serial number and/or warranty seal removed or damaged.

Product information | Informação de produto | Información de producto: www.prvaudio.com

PRV Audio warranty information | Informação de garantia | Información de garantía: www.prvaudio.com/warranty

Sincerely,
NonoCassimiro,
Representative
PRV Audio Group

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[Facebook.com/prvaudiobrasil](https://www.facebook.com/prvaudiobrasil)
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FCC Approval

This equipment has been tested and found to comply with the limits for a Class B digital 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 the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a 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.

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8. Specifications

Note
The technical data and the design of the equipment may change without prior notice for the sake of technical improvements.

Graphic center frequencies: 50Hz, 125Hz, 315Hz, 750Hz, 2.2kHz, 6kHz, 16kHz

Bandwidth: 10dB

S/N ratio: 100dB

Frequency response: 10Hz-50kHz ±1dB

Maximum output voltage: 15V

THD: 0.005%

Input sensitivity: 50mV - 3V

Head room: 20dB

Input impedance: 20kOhms

Output impedance: 2kOhms

Stereo separation: 80dB/1 kHz

Operating voltage: 11V-15V negative ground

Size: 7" wide by 4 1/8" deep by 1" high

1. FEATURES

The EQ7-15 is a 7-band stereo equalizer/crossover specifically created for the car audio application. The EQ7-15 provides powerful features in a compact size:

- Seven equalization bands (50Hz, 125Hz, 315Hz, 750Hz, 2.2kHz, 6kHz, and 16kHz), each frequency adjustable from -12 to +12dB (-15 to +15dB for subwoofer frequencies)
- Subwoofer output uses a built-in 18dB per octave electronic crossover fixed at 60 Hz or 120 Hz
- Three stereo RCA outputs to drive front, rear, and subwoofer audio amplifiers
- An auxiliary stereo RCA input for use with portable devices, such as an MP3 player or DVD player
- Separate controls for master volume, subwoofer volume (sub level), front/rear fader, and selection of main or auxiliary inputs
- Extended frequency response from 20 Hz to 30 kHz with exceptional 100-dB signal-to-noise performance
- Gold-plated RCA connectors to ensure the best audio signal output
- ISO mounting holes and removable trim ring for custom installation

2. PRECAUTIONS

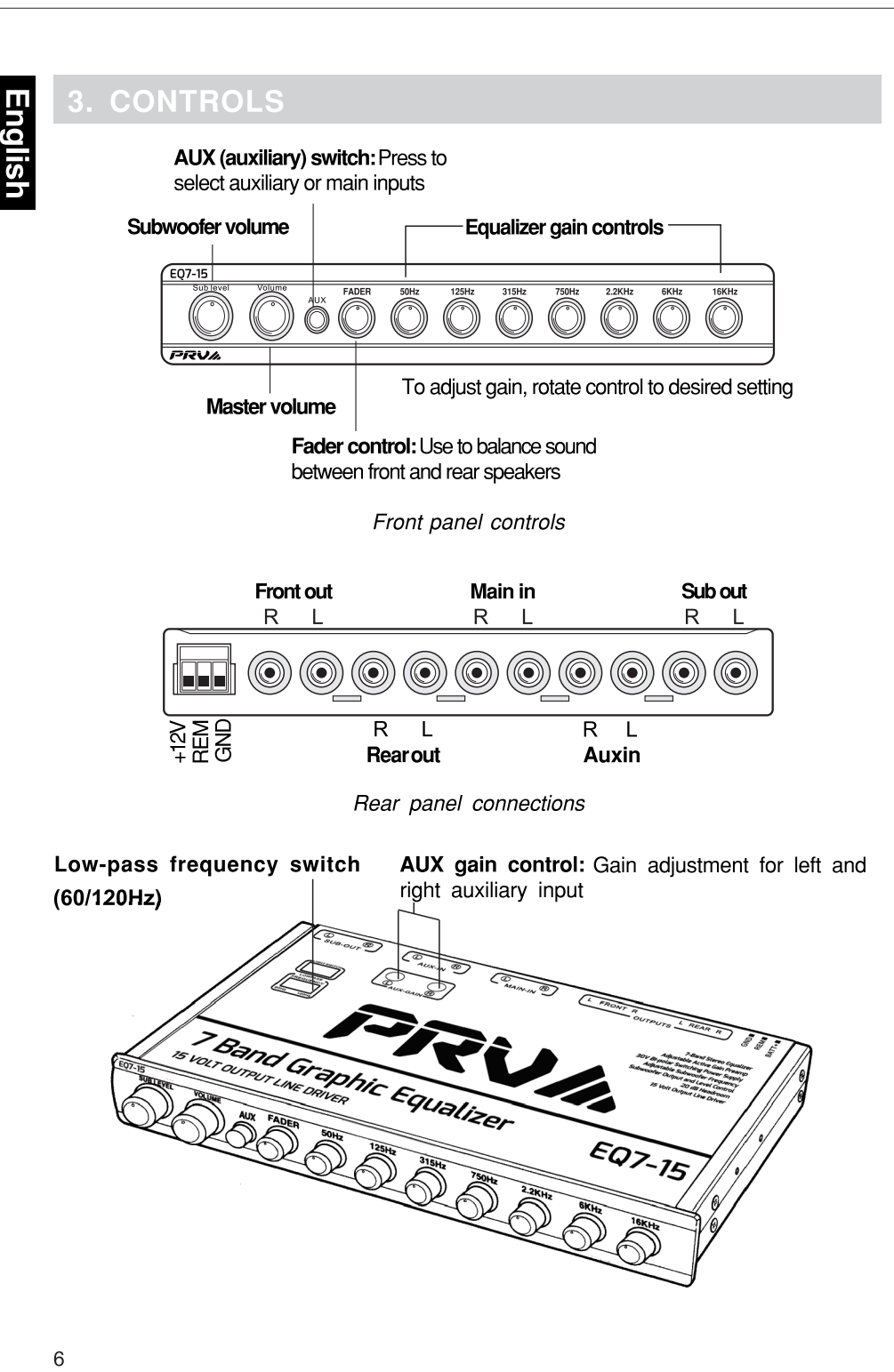
- Do not operate this product in ways other than those described in this manual.
- Do not disassemble or modify this unit.
- Do not pour liquid or poke foreign objects into the unit. Water and humidity may damage internal circuitry.
- If the unit becomes wet, turn off all power and ask your authorized PRV Audio dealer to clean or service the unit.

Failure to observe these precautions may damage your car, the monitor, or the video source, and may void the warranty.

Installation

Installation of mobile audio and video components requires experience with a variety of mechanical and electrical procedures. Although this manual provides general installation and operation instructions, it does not show the exact installation methods for your particular vehicle.

If you do not have the required knowledge and experience to successfully complete the installation, consult an authorized PRV Audio dealer about professional installation options.



4. OPERATIONS

Setting system volume

- Turn the master volume and subwoofer level controls to their minimum settings.
- Turn the source unit on and increase the volume until you hear distortion.
- Reduce the volume to just below the distortion point (approximately 80% of full volume).

This is the maximum usable musical signal for the source unit. Turning the volume beyond this point increases noise and distortion without increasing the musical signal.

Note
Once you set the source unit volume, do not change it. Always use the volume control on the EQ7-15 as the master (main) volume control. The EQ7-15 has better electronics, a higher sound to noise ratio, and is more linear than the volume settings on any source unit available.

Adjusting the controls

The EQ7-15 provides a graphic adjustment band for each of seven frequency ranges: sub, low, mid, mid-high and high frequency. You can adjust the center of each frequency band to fine tune the acoustical response to your vehicle's interior.

- Set all frequencies to the center position. The small dot on the control knob should be set at 12 o'clock.
- Play your favorite music track and adjust the individual controls to suit your taste. Avoid extreme settings, which can distort musical peaks.
- Increase or decrease the equalizer gain controls to suit your taste.
- If your system includes a subwoofer, slowly increase the subwoofer level until you hear a solid bass.
- If your system includes rear speakers, adjust the fader control to add rear sound. Set it so most of the music comes from the front and only fills the rear.

Setting the low-pass frequency

Set the low pass frequency switch on the top of the Equalizer to either 60Hz or 120Hz depending on the subwoofer and subwoofer amplifier requirements.

Connecting an MP3 player or video unit

- Plug the MP3 player or video unit into the auxiliary RCA input on the back of the EQ7-15 unit.
- Make sure the auxiliary button on the front of the unit is out, ready to receive input from the main RCA input (not the auxiliary RCA input).
- Turn the master volume to a normal listening level.
- Press the play button on the auxiliary source.
- Push in the AUX button to change to the auxiliary source.
- Using a small flathead screwdriver, adjust the AUX gain controls located on the top of the unit so that the volume of the auxiliary source matches the volume of the main source.

Care and maintenance

Cleaning the cabinet

Use a soft, dry cloth to gently wipe dust and dirt from the unit.

Do not use benzene, thinner, car cleaner, or other cleaners. These substances may damage the unit or cause the paint to peel.

Servicing the equalizer/crossover unit

In the event that trouble arises, never open the case or disassemble the unit. The internal parts are not serviceable by the user. Opening any components will void the warranty.

WARNING!
Changes or modifications to this product that are not approved by the manufacturer will void the warranty and will violate FCC approval.

5. INSTALLATION AND WIRING

Read these instructions and the following precautions carefully.

What is included in the box

- 7-band graphic equalizer
- 2 mounting brackets
- 8 Phillips-head screws

Before starting

Mounting precautions

This EQ7-15 can be mounted next to the source unit or under the dash using the mounting brackets. The front panel controls should be easily accessible from the driver's seat. In addition:

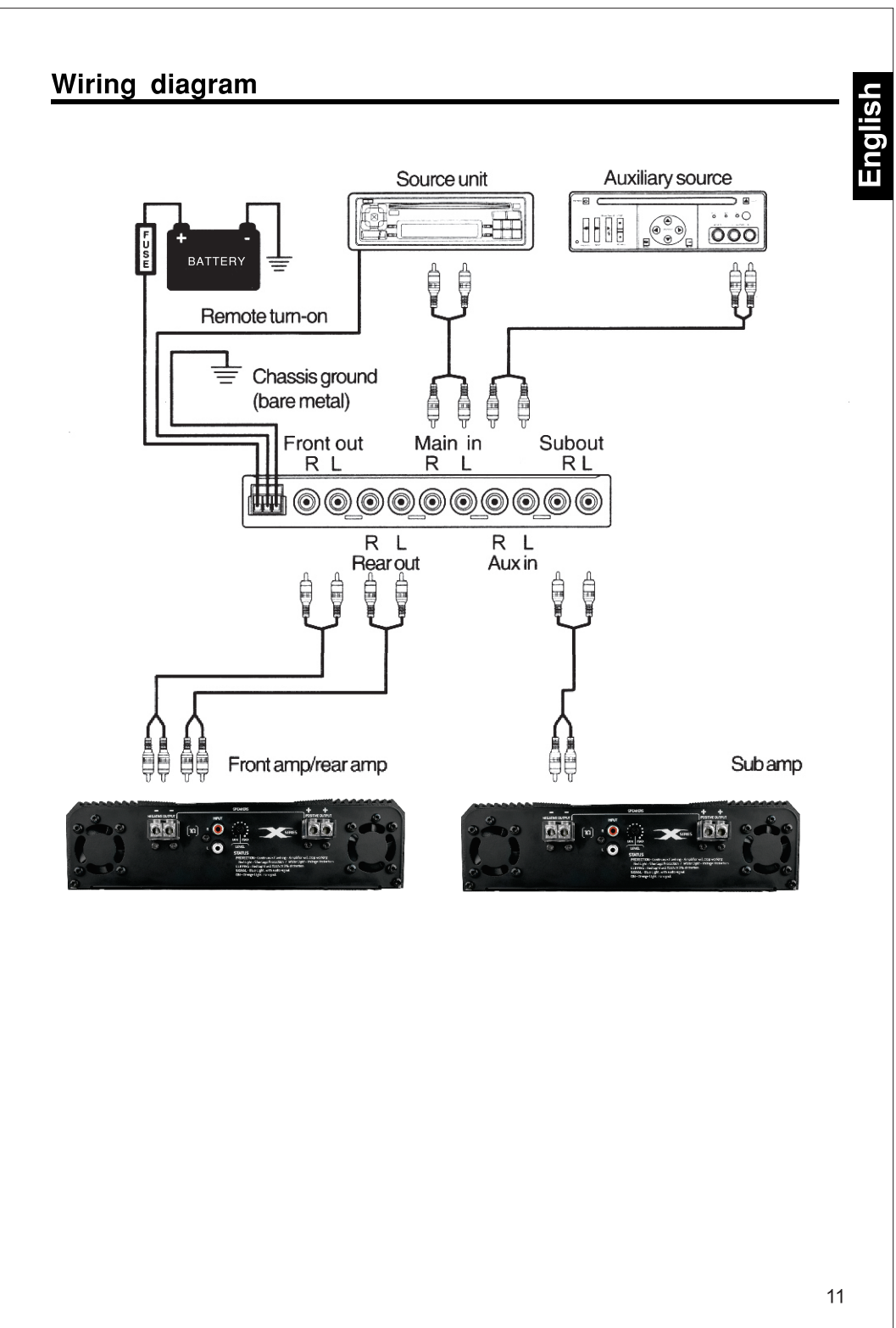
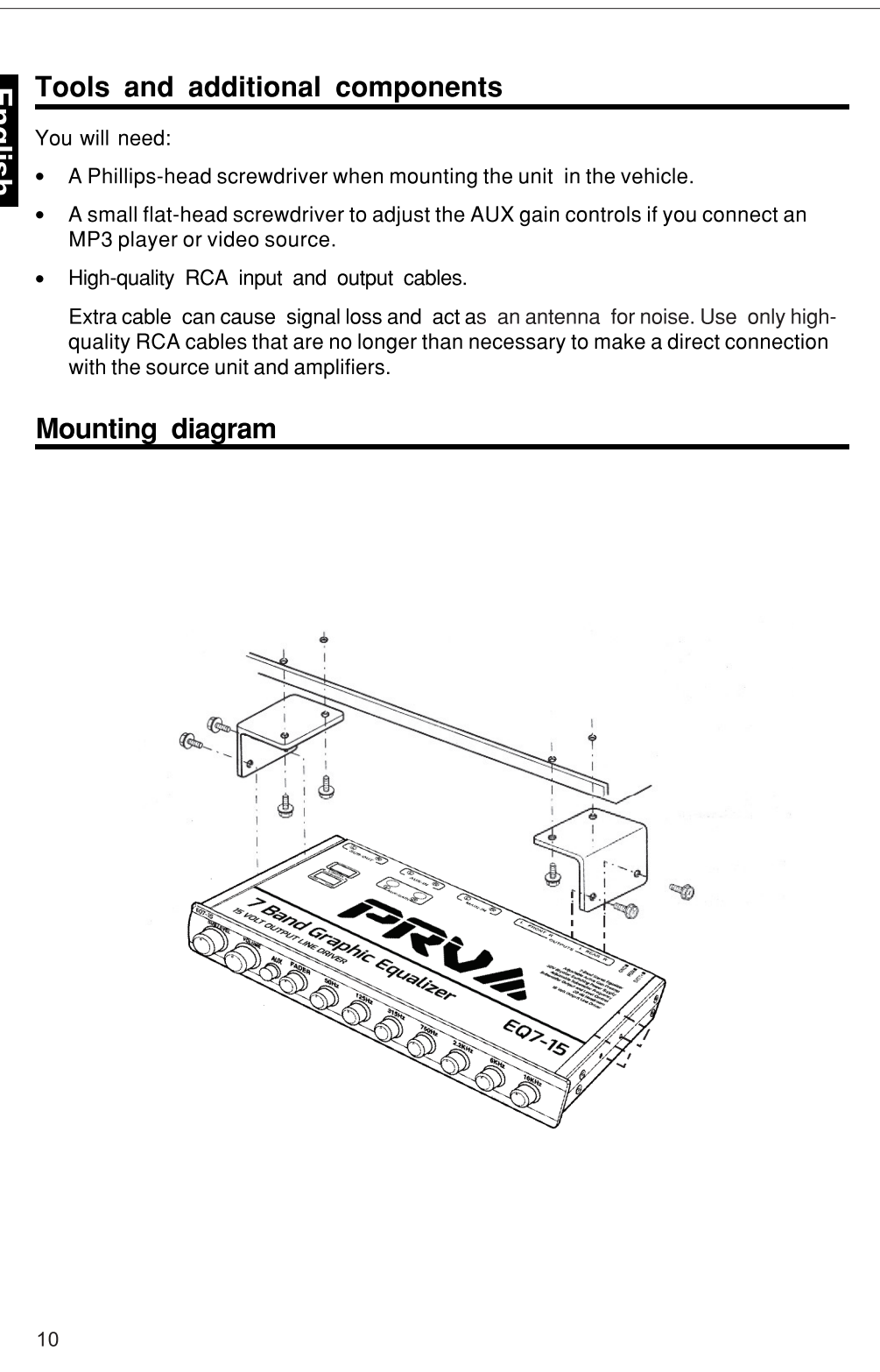
- This unit requires additional mobile audio components for proper operation.
- Always use great care when attaching anything to a vehicle! Check clearances in front of, behind, and on both sides of the planned installation before drilling any holes or installing any screws.

Wiring precautions

Disconnect the ground (-) terminal on the vehicle's battery.

WARNING!
To prevent short circuits during installation, always disconnect the vehicle's negative (-) battery lead before making any connections.

- This unit is exclusively for vehicles with a negative ground, 12V battery system.
- A good chassis ground connection is critical to minimize resistance and avoid noise problems. Use the shortest wire possible and securely connect it to the car chassis and the source unit ground.
- When routing RCA cables, keep the cables away from the power cables and output speaker wires.
- If you are using a source unit without a remote turn-on lead, this unit can be turned on with a switched accessory lead. This accessory power source is located in the factory harness at the back of the radio. This lead turns on and off with the ignition key.
- Do not open the case. There are no user-serviceable parts inside. If you require assistance, consult your dealer or dealer or an authorized dealer service center.



6. Troubleshooting

The unit does not work; no lights

The power wires may not be connected. Check the power and ground wiring, then reset.

Sound is distorted

- The source unit volume may be set too high. Reduce the source unit volume.
- Equalizer gain controls are set too high. Turn the equalizer controls to the center position and listen for distortion again. If the problem still occurs, see your authorized dealer.
- Speakers may be damaged. Consult your authorized PRV Audio dealer.

No sound coming from the unit

- The wrong input is selected. Press the AUX switch to turn the main inputs on.
- No remote on. Using a voltmeter, check for <12V from the remote on source.

7. Glossary

Crossover. A device that limits the range of frequencies sent to a speaker or amplifier.

Equalization. The process of boosting or cutting sound signal frequencies to improve the quality of the sound. The term comes from the filters used to add back high frequencies at the receiving end of analog transmissions over wires.

Equalization band. the frequency range measured by a specific filter.

dB: decibel. a measurement of the relative difference in power or intensity between two acoustic signals.

Gain control. gain is the amount of amplification (voltage, current or power) of an audio signal expressed in dB.

Graphic equalizer. a multi-band variable equalizer that uses mechanical controls to adjust amplification.

Hz. Abbreviation for Hertz, a unit of frequency equal to one cycle per second.

Octave. the musical principle of dividing sound frequencies into the eight notes of the musical scale.

OEM. Original Equipment Manufacturer.

RCA input/output port. through which sound travels in and out of the system. "RCA" refers to the type of connector, which was originally manufactured by Radio Corporation of America.

Slope. how fast the sound changes rated in dBs. The higher the dB number, the faster the frequency drops off.