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Lanzar VBE420P

Lanzar 4-Band Parametric Equalizer with Subwoofer (Model VBE420P) Instruction Manual

Model: VBE420P | Brand: Lanzar

PRODUCT OVERVIEW

The Lanzar VBE420P is a 4-band parametric equalizer designed to enhance your audio system with precise sound control. Featuring a 9 Volt RMS pre-amp output and selectable dual input sources (RCA and auxiliary), this unit allows for detailed adjustment of bass, mid-bass, mid, and high frequencies. It includes dedicated subwoofer gain control and a fader for front/rear speaker balance, ensuring a customized and immersive listening experience. Its compact half-DIN size makes it suitable for various installations.

WHAT'S IN THE BOX



Image: The Lanzar VBE420P 4-Band Parametric Equalizer shown with its packaging and included accessories.

- Lanzar VBE420P 4-Band Parametric Equalizer with Subwoofer
- 2 Mounting Brackets
- 8 Phillips-head Screws
- Power Red Wire with 1A Fuse
- Pre-amp Line Aux Inputs via RCA & Phone Jacks

SETUP AND INSTALLATION

Mounting

The VBE420P features a half-DIN size, allowing for flexible installation in various vehicle dashboards or custom locations. Use the provided mounting brackets and screws to secure the unit. Ensure the mounting location allows for proper ventilation and access to controls.



Image: The Lanzar VBE420P Equalizer seamlessly integrated into a car's dashboard, demonstrating its compact size and potential for discreet installation.

Wiring Connections

REAR FUNCTIONS

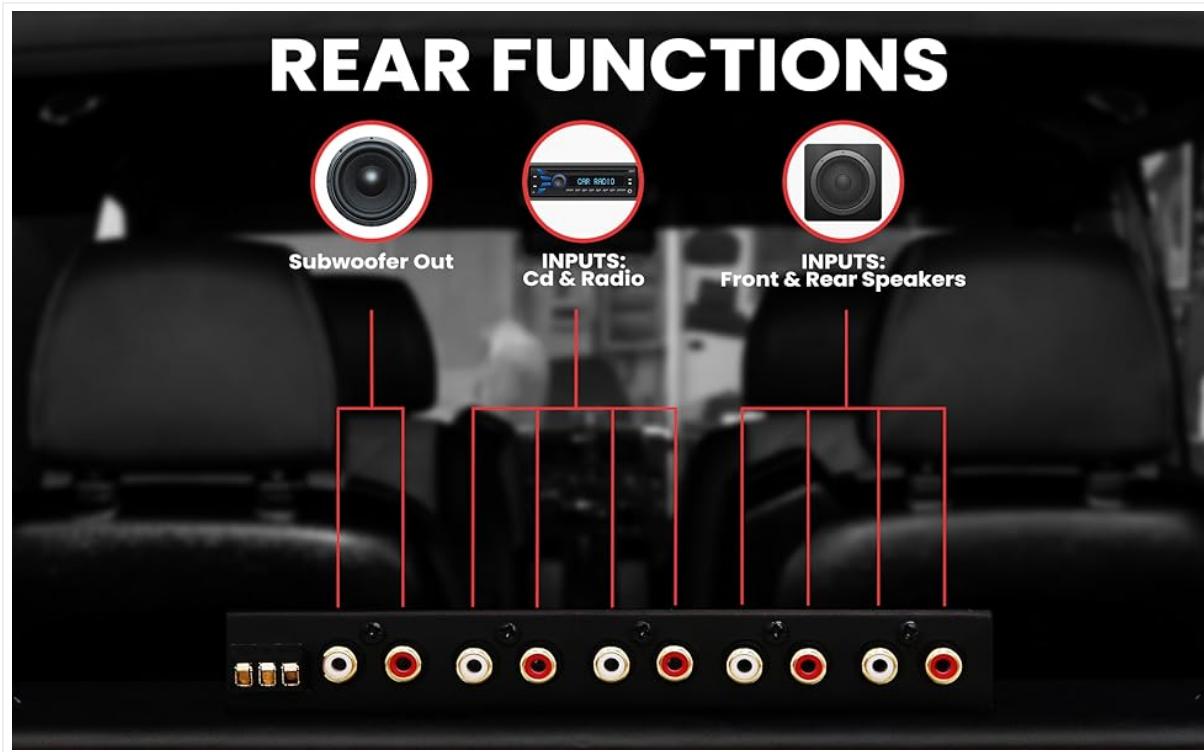


Image: A detailed view of the rear panel of the Lanzar VBE420P, highlighting the RCA input and output jacks for various audio components.

- 1. Power Connection:** Connect the red power wire (with 1A fuse) to a switched 12V power source. Connect the black ground wire to a clean chassis ground. Connect the remote turn-on wire to your head unit's remote output.
- 2. Input Sources:** The unit supports two input sources. Use the RCA input jacks for your main audio source (e.g., head unit). An auxiliary input is also available for connecting portable devices like MP3 players or phones.
- 3. Output Connections:** Connect the RCA outputs (Front, Rear, Subwoofer) to your power amplifiers. The subwoofer output provides a 9 Volt RMS pre-amp signal for powerful bass.

OPERATING THE EQUALIZER



Image: The front control panel of the Lanzar VBE420P, illustrating the various knobs and switches for adjusting audio settings.

Front Panel Controls

- **Volume Control:** Adjusts the overall output volume of the equalizer.
- **Fader (Front/Rear):** Balances the audio output between the front and rear speakers.
- **Subwoofer Gain Control:** Adjusts the output level of the subwoofer channel.
- **Subwoofer Frequency Control:** Allows adjustment of the subwoofer crossover frequency between 60Hz and 90Hz.
- **Equalizer Bands:** Seven adjustable bands (50Hz, 125Hz, 315Hz, 750Hz, 2.2KHz, 6KHz, 16KHz) allow for precise tuning of specific frequency ranges. Each band can be adjusted from -12dB to +12dB.
- **Input Selector Switch:** Toggles between the main RCA input and the auxiliary input.
- **Illumination Selector Switch:** Controls the blue light illumination of the unit.

MAINTENANCE

To ensure long-lasting performance of your Lanzar VBE420P equalizer, follow these simple maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe the exterior of the unit. Avoid abrasive cleaners or solvents that could damage the finish.
- **Environment:** Keep the equalizer away from excessive heat, moisture, and direct sunlight. Ensure adequate ventilation around the unit.
- **Connections:** Periodically check all wiring connections to ensure they are secure and free from corrosion.

TROUBLESHOOTING

If you encounter issues with your Lanzar VBE420P, refer to the following common problems and solutions:

- **No Power:** Check the power, ground, and remote turn-on connections. Ensure the 1A fuse is intact.

- **No Sound:** Verify all RCA input and output connections. Check the input selector switch to ensure the correct source is selected. Confirm that connected amplifiers are powered on and functioning.
- **Distortion:** Reduce the input level from your head unit or the equalizer's volume control. Ensure all equalizer bands are not set to extreme boost levels. Check for proper grounding.
- **Uneven Sound (Left/Right):** Adjust the fader control to balance the sound between front and rear speakers. Check individual channel RCA connections.

SPECIFICATIONS



Image: The Lanzar VBE420P Equalizer displaying its physical dimensions: 7 inches (length), 4.1 inches (width), and 1.10 inches (height).

Feature	Specification
Model Number	VBE420P
Item Dimensions (L x W x H)	7 x 4.1 x 1.1 inches
Item Weight	1.67 pounds
Pre-Amp Output Voltage	9 Volt RMS
Operating Voltage	11V - 15V (DC)
Number of Equalizer Bands	4 (Bass, Mid-Bass, Mid, High)
Frequency Adjustment Range	-12dB to +12dB per band
Subwoofer Frequency Control	60Hz - 90Hz
Input Sources	RCA, Auxiliary
Material	Metal, Plastic
Color	Black
Manufacturer	Sound Around

WARRANTY INFORMATION

Lanzar products are designed for reliability and performance. For specific warranty details, please refer to the

warranty card included with your product or visit the official Lanzar website. Keep your proof of purchase for any warranty claims.

CUSTOMER SUPPORT

Should you require further assistance or have questions not covered in this manual, please contact Lanzar customer support. Contact information can typically be found on the product packaging or the official Lanzar website. Please have your model number (VBE420P) and purchase details ready when contacting support.