



# Lanzer VBXEQ4P 4 Band Adjustable Parametric Equalizer User Guide

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## Introduction

**You have made a fine choice of a quality product.  
Our VBXEQ4P equalizer is a truly innovative product with:**

- Superb specifications for audio quality
- Lots of features for versatile applications
- And a nice design

Therefore please make the best of this top notch device!

Our equalizer stands out from the average not just because of its exclusive physical appearance, but because of outstanding technique with handy features for a wide range of 12 Volt applications. Please be sure to read all operating instructions and understand all safety precautions before installing and operating your new **VBXEQ4P** equalizer. Although our equalizer is easy to install on your own, we recommend you use an Audio Bank authorized dealer for optimum performance of your new unit.

## California Prop 65 Warning



### **WARNING:**

This product contains Nickel carbonate which is known to the state of California to cause cancer birth defects and other reproductive harm. Do not ingest.

**For more info go to:** [www.P65warnings.ca.gov](http://www.P65warnings.ca.gov)

## Features

- 4 Band Adjustable Parametric Equalizer
- Half Din Size
- 7 Volt RMS Pre-Amp Output
- Pre-amp Line Aux Inputs Via RCA & Phone Jacks
- 3 Input Sources Selectable
- Input Gain Adjustments
- RCA AUX Input Jack
- Source/Aux Input Selector
- Rotary Fader
- Output Volume Control

- Sub Output Volume Control
- Blue Light Illumination
- DC 12 Volt with Remote trigger
- Mounting Hardware Included
- RCA Auxiliary Input (Rear) inputs for MP3, DVD, or Phone

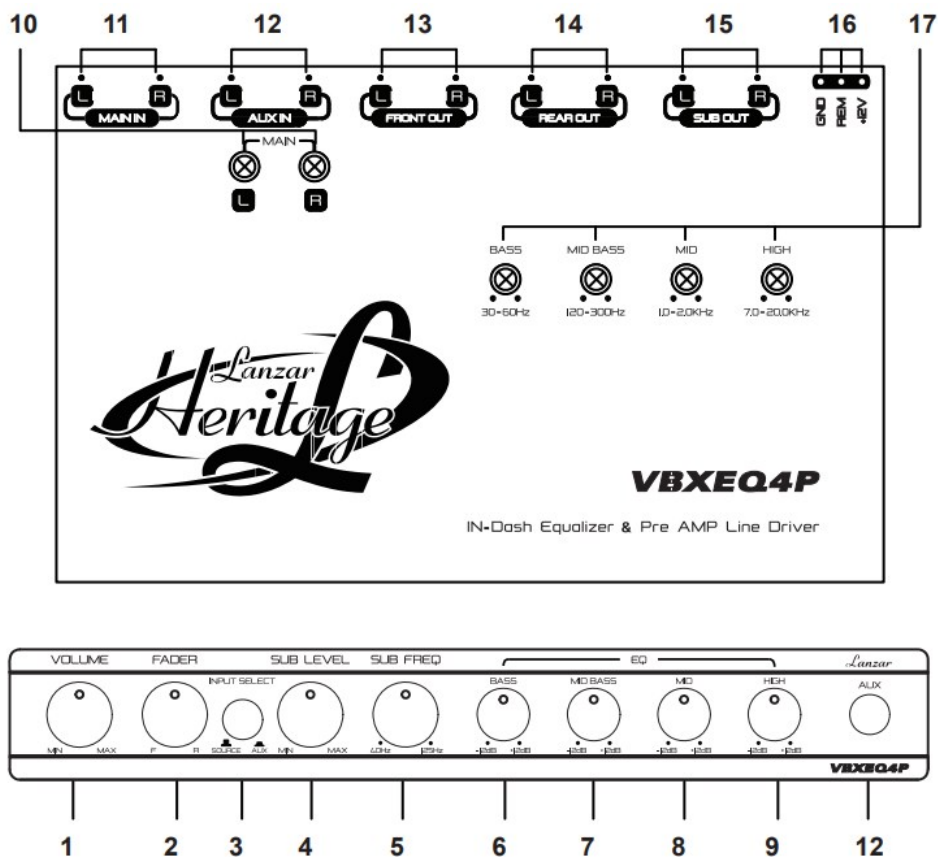
## **What's in the Box**

- 4-Band Parametric Equalizer
- 2 Mounting brackets
- 8 Phillips-head Screws
- Power Red Wire with 1A Fuse

## **Technical Specs**

- **Bass Equalizer Frequency:** 20Hz~ 60Hz
- **Mid-Bass Equalizer Frequency:** 100Hz ~ 300Hz
- **Mid Equalizer Frequency:** 1 KHz ~ 2 KHz
- **High Equalizer Frequency:** 7 KHz ~ 20 KHz
- **Each Frequency Adjustable:** -12dB to +12dB
- **Output Voltage:** 7V RMS @ 0.05% THD
- **Operating Voltage:** 11V-15V
- **S/N Ratio:** 110dB
- **Separation:** > 60dB
- **Frequency Response:** 10Hz ~ 50 KHz
- **Subwoofer Frequency:** 35Hz ~ 250Hz
- **Product Dimensions:** 7" x 4.1"x 1.10" -inches

## **Detailed Features**



1. Volume Control
2. Fader Control
3. Main/ DVD switch
4. Sub Level Control
5. Low-Pass Frequency Adjustment
6. Bass Frequency Adjustment
7. Mid-bass Frequency Adjustment
8. Mid Frequency Adjustment
9. High Frequency Adjustment
10. DVD Gain Controls
11. Main Input
12. DVD input
13. Front Output
14. Rear Output
15. Sub Output
16. Power Plug
17. Equalizer Frequency Controls

## Installation

### Mounting Precautions

This in-dash EQ can be mounted next to the source unit or under the dash with the supplied mounting brackets. For easy set-up, mount the equalizer so the front panel controls will be easily accessible for the driver's seat after installation.

**In addition, observe the following precautions.**

1. Check the clearance on both sides of a planned installation before drilling any holes or installing any screws.
2. When routing RCA cables, keep them away from power cables and output speaker wires.
3. Do not allow liquids or foreign objects to enter the unit.
4. If the unit should become wet, turn off all the power and call your local authorized dealer so they can check for any possible damage.

### **Wiring Precautions**

**Read all of the following wiring precautions. If you are not sure about any of the installation or wiring processes, please contact your local dealer for help.**

1. This unit operates on an automotive 12V negative ground power source and requires additional audio components for proper operation.
2. Disconnect the negative (-) lead of the battery before making any power connections.
3. A good chassis ground connection is critical to the performance of your in-dash EQ. Use the shortest ground wire possible and securely connect the car chassis along with the source unit to minimize resistance and avoid noise problems.
4. Extra cable can cause signal loss and act as an antenna for noise. Use only high quality RCA cables that are no longer than needed.
5. If you are using a source unit without a remote turn-on lead, the in dash EQ can be turned on with a switched accessory lead.

## **System Setup**

### **Setting System Volume**

**After completing the system wiring, follow the steps below to properly adjust the in-dash EQ.**

1. Turn the master volume control on the in-dash EQ and the amplifier gain controls to their minimum setting.
2. Turn the source unit on and increase the volume until distortion is heard, then reduce the volume just below this point. This is the maximum usable musical signal for this source unit. Turning the volume beyond this point will increase distortion without an increase in musical signal. Once the source unit volume has been set, it will no longer be used. Always use the volume control on the in-dash EQ as the master (main) volume control. It has better electronics, a higher SIN ratio, and is more linear than any source unit volume available.

### **Setting Equalizer Controls**

1. Begin by setting all frequencies to the center or level position.
2. Play a favorite music track that you know well and adjust the individual EQ controls as desired. Avoid extreme settings that can distort musical peaks.
3. Increase or decrease the EQ gain controls as necessary.
4. If your system includes a subwoofer, slowly increase the subwoofer control until you hear solid bass.
5. 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 in the rear.

### Setting the Low-Pass Frequency

This in-dash EQ has a built-in low-pass crossover located on the front of the unit. Set the crossover (60Hz- 90Hz) upon the type and size of your subwoofer system.

1. Plug the additional video source into the DVD input located on the back of the unit.
2. With the Main/DVD switch in the MAIN position, turn the equalizer volume to a normal listening volume.
3. With the video source in play mode, switch to the DVD input source.
4. With the Main/DVD switch in the DVD position, adjust the input gain controls located on the top of the panel so that the volume of the DVD source matches the volume of the Main source.

### WARNING

Investigate the layout of your automobile thoroughly before drilling or cutting any holes. Take care when you work near the gas tanks, gas lines, hydraulic lines, and electrical wiring. Attach the system securely to the automobile to prevent damage, particularly in the event of an accident. Do not mount the system so that the wire connections are unprotected or are subject to pinching or damage from nearby objects.

The + 12VDC power wire must be fused at the battery positive terminal connection. Before making or breaking power connections at the system power terminals, disconnect the + 12V wire at the battery end. Confirm your radio/head unit and/or other equipment is turned off while connecting the input jacks and speaker terminals.

If you need to replace the power fuse, replace it only with a fuse identical to that supplied with the system. Using a fuse of different type or rating may result in damage to this system which is not covered by the warranty.

### Support

#### Questions? Issues?

We are here to help!

Phone: (1) 718-535-1800

Email: [support@lanzar.com](mailto:support@lanzar.com)



### Documents / Resources



[Lanzar VBXEQ4P 4 Band Adjustable Parametric Equalizer](#) [pdf] User Guide  
VBXEQ4P, 4 Band Adjustable Parametric Equalizer, Adjustable Parametric Equalizer,  
Parametric Equalizer, Equalizer, VBXEQ4P