

Electro-Voice PVA-2P500

Electro-Voice PVA-2P500 Paviro 2x500 Watt Amplifier User Manual

Model: PVA-2P500

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the Electro-Voice PVA-2P500 Paviro 2x500 Watt Amplifier. Please read this manual thoroughly before using the device to ensure safe and efficient operation.

2. PRODUCT OVERVIEW

The Electro-Voice PVA-2P500 is a high-performance 2-channel amplifier designed for professional audio applications, delivering 500 watts per channel. It is part of the Paviro series, known for its reliability and integration capabilities in public address and voice evacuation systems.



Figure 1: Front panel of the Electro-Voice PVA-2P500 Amplifier. This image displays the front panel of the Electro-Voice PVA-2P500 amplifier. Visible features include the Bosch branding, two sets of status indicator lights (labeled '1' and '2' for channels, and symbols for signal, fault, and power), and perforated ventilation grilles on both sides. The unit is designed for rack mounting, indicated by the mounting ears on the sides.

3. SETUP

3.1 Unpacking

Carefully remove the amplifier from its packaging. Inspect the unit for any signs of damage that may have occurred during transit. Retain the original packaging for future transport or storage.

3.2 Mounting

The PVA-2P500 amplifier is designed for surface mounting or rack installation. Ensure adequate ventilation space around the unit, especially at the front and rear, to prevent overheating. For rack mounting, secure the unit using appropriate rack screws through the mounting ears.

3.3 Connections

- **Power Connection:** Connect the supplied power cord to the AC inlet on the rear panel and then to a suitable power outlet. Ensure the power source matches the amplifier's voltage requirements.
- **Audio Input:** Connect your audio source(s) to the input connectors on the rear panel. Refer to the specific input type (e.g., XLR, Euroblock) for correct wiring.
- **Audio Output:** Connect your loudspeakers to the output terminals. Observe correct polarity and impedance matching for optimal performance and to prevent damage to the amplifier or speakers.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

To power on the amplifier, press the power switch located on the front or rear panel. The power indicator light will illuminate. To power off, press the switch again.

4.2 Indicator Lights

The front panel features several indicator lights for each channel:

- **Signal Indicator:** Illuminates when an audio signal is present on the respective channel.
- **Fault Indicator:** Illuminates to indicate an error condition (e.g., overheating, short circuit, DC offset). Refer to the troubleshooting section if this light activates.
- **Power Indicator:** Illuminates when the amplifier is powered on.

4.3 Basic Operation

Once all connections are made and the unit is powered on, gradually increase the input signal level from your source and adjust the amplifier's output levels as needed. Monitor the signal indicators to ensure proper signal presence without clipping.

5. MAINTENANCE

5.1 Cleaning

Clean the exterior of the amplifier with a soft, dry cloth. Do not use liquid cleaners or solvents, as they may damage the finish or internal components. Ensure ventilation grilles are free from dust and debris.

5.2 Ventilation

Regularly check that the amplifier's ventilation openings are not obstructed. Proper airflow is crucial for maintaining

optimal operating temperature and preventing thermal shutdown.

6. TROUBLESHOOTING

If you encounter issues with your PVA-2P500 amplifier, consult the following table:

Problem	Possible Cause	Solution
No power	Power cord disconnected; outlet fault; power switch off	Check power cord connection; test outlet; ensure power switch is on
No audio output	Input signal missing; speaker cables disconnected; amplifier in fault mode	Verify audio source; check speaker connections; check fault indicator
Distorted audio	Input signal too high; incorrect impedance matching; faulty speaker	Reduce input level; verify speaker impedance; test with different speaker
Fault indicator on	Overheating; short circuit on output; DC offset	Ensure proper ventilation; check speaker wiring for shorts; contact service if persistent

7. SPECIFICATIONS

The following are the technical specifications for the Electro-Voice PVA-2P500 amplifier:

Feature	Specification
Brand	Electro-Voice
Model Number	PVA-2P500
Manufacturer	Bosch
Number of Channels	2
Output Power	2 x 500 Watts
Mounting Type	Surface Mount
Item Dimensions (L x W x H)	1 x 1 x 1 inches
Item Weight	42 pounds
UPC	800549758246
Date First Available	March 12, 2016

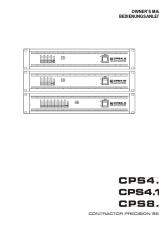
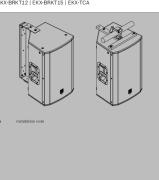
8. WARRANTY INFORMATION

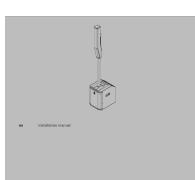
Warranty terms and conditions for the Electro-Voice PVA-2P500 amplifier are typically provided with the product at the time of purchase. For detailed warranty information, please refer to the documentation included with your unit or visit the official Electro-Voice website.

9. SUPPORT

For technical assistance, service, or further inquiries regarding the Electro-Voice PVA-2P500 amplifier, please visit the official Electro-Voice support website or contact their customer service department. You can find contact information and additional resources on the [Electro-Voice Store](#).

Related Documents - PVA-2P500

	<p>Electro-Voice PA Series Power Amplifiers Owner's Manual</p> <p>Comprehensive owner's manual for Electro-Voice PA Series power amplifiers, including models PA1250T, PA2250T, PA2400T, PA2450L, and PA4150L. Covers safety instructions, installation, front and rear panel descriptions, operation, technical specifications, and wiring diagrams.</p>
	<p>Electro-Voice Contractor Precision Series Power Amplifiers Owner's Manual</p> <p>Owner's manual for Electro-Voice CPS4.5, CPS4.10, and CPS8.5 Contractor Precision Series power amplifiers, detailing installation, operation, safety, and technical specifications for professional audio systems.</p>
	<p>Electro-Voice EKX Loudspeaker Accessories Installation Guide</p> <p>Installation guide for Electro-Voice EKX Full-Range Loudspeaker accessories, including wall mount brackets (EKX-BRKT12, EKX-BRKT15) and truss adapters (EKX-TCA). Provides safety information, installation steps, and technical data.</p>
	<p>Electro-Voice Sb121a 300-Watt Powered Bass Module: Technical Specifications and Operation</p> <p>Detailed technical specifications, features, operation, installation guidelines, and warranty information for the Electro-Voice Sb121a 300-Watt Powered Bass Module, a high-performance subwoofer for professional sound reinforcement applications.</p>

 <p>EVOLVE 50 Portable Column System</p>	<p><u>Electro-Voice EVOLVE 50 Portable Column System Installation Manual</u></p> <p>This installation manual provides comprehensive instructions for setting up and operating the Electro-Voice EVOLVE 50 Portable Column System. It covers safety precautions, system features, quick setup, amplifier DSP controls, troubleshooting, and technical specifications.</p>
 <p>EV User Manual</p> <p>MA-1206/MA-1212 Professional Mixer/Amplifiers</p> <p>ElectroVoice®</p>	<p><u>Electro-Voice MA-1206/MA-1212 Professional Mixer/Amplifiers User Manual</u></p> <p>This user manual provides comprehensive information for the Electro-Voice MA-1206 and MA-1212 professional mixer/amplifiers. It covers features, installation procedures, operation details, input/output connections, safety guidelines, warranty information, and technical specifications.</p>