

Xotic EP Booster

Xotic EP Booster Mini EQ Effect Pedal User Manual

Model: EP Booster

1. INTRODUCTION

The Xotic EP Booster is a compact, high-quality discrete FET preamp pedal designed to enhance your guitar tone. Inspired by the classic preamp section of an Echoplex, it delivers a shimmering boost that adds sparkle and definition to your sound. This manual provides essential information for the proper setup, operation, and maintenance of your EP Booster pedal.

2. SAFETY INFORMATION

- Use only the specified power supply (9-18V DC, center negative). Incorrect voltage can damage the unit.
- Do not expose the pedal to extreme temperatures, humidity, or direct sunlight.
- Avoid dropping the unit or subjecting it to strong impacts.
- Do not attempt to open or modify the pedal. Refer all servicing to qualified personnel.
- Keep out of reach of children.

3. PACKAGE CONTENTS

Please ensure all items are present:

- Xotic EP Booster Mini EQ Effect Pedal
- 9V Battery (pre-installed or included separately)
- User Manual (this document)

4. FEATURES

- Discrete FET Preamp circuit
- Up to +20dB of clean boost
- Internal DIP switches for Bass Boost and Bright control
- Compact and durable design
- 9-18VDC operation for versatile power options





Figure 1: Top-down view of the EP Booster pedal, highlighting the main controls and connections.



Figure 2: Angled view of the EP Booster pedal, illustrating its compact form factor and LED indicator.

- **Gain Knob:** Controls the amount of boost applied to your signal, from unity gain to +20dB.
- **Footswitch:** Engages or bypasses the effect. The LED indicator illuminates when the effect is active.
- **Input Jack (IN):** Connect your instrument or the output of a preceding effect pedal here.
- **Output Jack (OUT):** Connect to your amplifier or the input of the next effect pedal.
- **DC Input:** Connect a 9-18V DC (center negative) power adapter.
- **Internal DIP Switches:** Located inside the pedal. To access, remove the bottom plate.

- **Switch 1 (Bass Boost):** Engages a bass boost.
- **Switch 2 (Bright):** Engages a bright high-end boost.

6. SETUP

1. **Power Connection:** Connect a 9-18V DC (center negative) power adapter to the DC input jack. Alternatively, the pedal can be powered by a 9V battery (included). To install or replace the battery, remove the four screws on the bottom plate of the pedal.
2. **Audio Connections:**
 - Connect your guitar or the output of a previous pedal to the **IN** jack.
 - Connect the **OUT** jack to your amplifier or the input of the next pedal in your signal chain.
3. **Internal DIP Switch Configuration:** Before powering on, you may wish to adjust the internal DIP switches. The default setting is Bright ON / Bass Boost OFF. To change these settings, carefully remove the bottom plate. Refer to the 'Operating' section for details on their function.

7. OPERATING

1. **Engaging the Effect:** Press the footswitch to turn the EP Booster on or off. The LED will illuminate when the effect is active.
2. **Adjusting Gain:** Rotate the Gain knob clockwise to increase the boost level (up to +20dB). Rotate counter-clockwise to decrease the boost. Even at its lowest setting, the pedal can impart a subtle tonal enhancement.
3. **Using Internal DIP Switches:** The EP Booster offers two internal DIP switches for tonal customization. These switches are accessed by removing the pedal's bottom plate. Ensure the pedal is disconnected from power before opening.
 - **Bass Boost Switch:** When engaged (ON), this switch adds a subtle low-end boost, which can be beneficial for single-coil pickups or to add fullness to your tone.
 - **Bright Switch:** When engaged (ON), this switch adds a high-end sparkle and definition. The default setting is ON. Turning it OFF provides a more full-frequency, transparent boost without the added brightness.

Experiment with these settings to find the tone that best suits your instrument and amplifier.

8. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the pedal's exterior. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** If using battery power, replace the 9V battery when the LED dims or the pedal's performance degrades. Disconnect power and audio cables before opening the pedal.
- **Storage:** When not in use for extended periods, remove the battery to prevent leakage and store the pedal in a dry, cool place.

9. TROUBLESHOOTING

- **No Sound:**
 - Check all cable connections (instrument, amplifier, power).
 - Ensure the power supply is correctly connected and functioning (9-18V DC, center negative).
 - If using a battery, check if it needs replacement.
 - Test with different cables and a different power supply if possible.

- **Weak or Distorted Signal:**

- Check the Gain knob setting.
- Ensure your amplifier's input is not overdriven by the pedal's output.
- Verify the internal DIP switch settings are as desired.

- **Unwanted Noise:**

- Ensure all cables are shielded and in good condition.
- Try a different power supply to rule out noise from the adapter.
- Move the pedal away from other electronic devices that might cause interference.

10. SPECIFICATIONS

Item Weight	12 ounces
Product Dimensions	1.5"L x 1.5"W x 3.5"H (approx. 3.8 x 3.8 x 8.9 cm)
Item Model Number	EP Booster
Batteries	1 x 9V battery required (included)
Hardware Interface	1/4-inch Audio
Signal Format	Analog
Power Source	Battery Powered with Optional AC Adapter
Voltage	9-18 Volts DC (center negative)
Color	Black

11. WARRANTY AND SUPPORT

Xotic products are manufactured to high standards. For information regarding warranty coverage and technical support, please refer to the official Xotic website or contact your authorized dealer. Keep your purchase receipt as proof of purchase.