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› Fosi Audio BOX X4 Phono Preamplifier & Headphone Amplifier User Manual

Fosi Audio BOX X4

Fosi Audio BOX X4 Phono Preamplifier & Headphone Amplifier User Manual

Model: BOX X4 | Brand: Fosi Audio

INTRODUCTION

The Fosi Audio BOX X4 is a versatile audio device designed to enhance your listening experience. It functions as an MM phono preamplifier, converting phono signals from your turntable to line-level signals, and also as a headphone amplifier. This unit features 6J1 vacuum tubes and offers independent control over volume, bass, and treble.

This manual provides essential information for the proper setup, operation, and maintenance of your BOX X4. Please read it thoroughly before use.

PRODUCT OVERVIEW

Key Features:

- **MM Phono Preamplifier:** Converts phono signal to line-level signal for connection to modern audio devices.
- **Headphone Amplifier:** Features a 3.5mm AUX headphone output.
- **Vacuum Tube Design:** Utilizes 6J1 vacuum tubes for enhanced audio quality.
- **Tone Controls:** Independent bass and treble adjustment knobs.
- **Volume Control:** Integrated volume knob with power switch.
- **Ground Terminal:** Equipped with an earth terminal to protect your turntable.

Package Contents:

- Fosi Audio BOX X4 Phono Preamplifier x1
- DC 12V Power Adapter x1
- User Manual x1

US-MANUFACTURED 5725W VACUUM TUBES

BOX X4 is equipd with 7-Pin GE JAN 5725W fully-tested vacuum tubes that have higher durability to provide better sound details and resolution.

Applicable vacuum tubes model:

6J1 (Chinese), 6J1P / 6J1P-EB / 6Zh1P-EV (Russian),
6AK5 / 6AK5W / EF95 and 403B (US and European).

Image: Contents of the Fosi Audio BOX X4 package, showing the main unit, vacuum tubes, power adapter, and user manual.

SETUP

Component Identification:

AS THE HEADPHONE AMP AND TUBE PREAMP

BOX X4 is the upgraded version of BOX X2,
3.5mm headphone output, treble and bass control knobs.

- 5725W
Vacuum Tube



Image: Front panel of the BOX X4, highlighting the 3.5mm headphone output, treble control, bass control, and volume/power knob.



Image: Rear panel of the BOX X4, showing the RCA input, RCA output, ground terminal (GND), and DC 12V power input.

Installation Steps:

1. **Insert Vacuum Tubes:** Carefully insert the provided 6J1 vacuum tubes into their sockets on the top of the unit. Ensure they are seated firmly.
2. **Connect Turntable:** Connect your MM turntable's RCA output cables to the "MM INPUT" RCA jacks on the rear of the BOX X4. If your turntable has a ground wire, connect it to the "GND" terminal on the BOX X4. *Note: The BOX X4 is not suitable for MM turntables with a built-in preamplifier circuit.*
3. **Connect to Amplifier/Speakers:** Connect the "LINE OUT" RCA jacks on the rear of the BOX X4 to the line-level input (e.g., AUX, CD, Tuner) of your main amplifier or powered speakers.
4. **Connect Headphones (Optional):** For headphone listening, plug your 3.5mm headphones into the headphone jack on the front panel.
5. **Connect Power:** Connect the DC 12V power adapter to the "DC 12V" input on the rear of the BOX X4, then plug the adapter into a power outlet.

What's in the box?



Fosi Audio BOX X4 x1



5725W Vacuum Tube x2



DC 12V Power Adaptor x1



User Manual x1

Image: Connection diagram illustrating how to connect the BOX X4 to an MM turntable, headphones, and active or passive speakers via a power amplifier.

OPERATING INSTRUCTIONS

1. **Power On/Off:** Rotate the volume knob clockwise to turn on the unit. Rotate it counter-clockwise until it clicks to turn off.
2. **Volume Adjustment:** Adjust the main volume using the large knob on the front panel.
3. **Tone Control:** Use the "TREBLE" and "BASS" knobs to adjust the high and low frequencies according to your preference.
4. **Listening Modes:**
 - **Speaker Output:** When no headphones are connected, audio will be sent to the RCA "LINE OUT" for your amplifier/speakers.
 - **Headphone Output:** Plugging headphones into the 3.5mm jack will automatically mute the RCA "LINE OUT" and direct audio to your headphones.

MM TURNTABLE PREAMP WITH US-MANUFACTURED 5725W VACUUM TUBES

A phono turntable preamp can convert phono signal to line-level signal. Connect MM turntable to modern audio devices.



NOTE: Fosi Audio BOX X4 phono preamp is not suitable for the MM turntable which has a built-in preamp circuit.

Image: The Fosi Audio BOX X4 in an operational setup, connected to a turntable and headphones, demonstrating its use.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the unit. Avoid using harsh chemicals or abrasive materials.
- **Vacuum Tube Replacement:** The 6J1 vacuum tubes are replaceable. Compatible models include 6K4, 6J1, 6J4, GE5654, 6AK5, and 66. Ensure the unit is powered off and unplugged before replacing tubes. Carefully pull out the old tubes and insert new ones, aligning the pins correctly.
- **Storage:** Store the unit in a cool, dry place away from direct sunlight and extreme temperatures when not in use for extended periods.

AS THE PHONO TURNTABLE PREAMP

Compatible with MM Turntable

- **5725W Vacuum Tube**

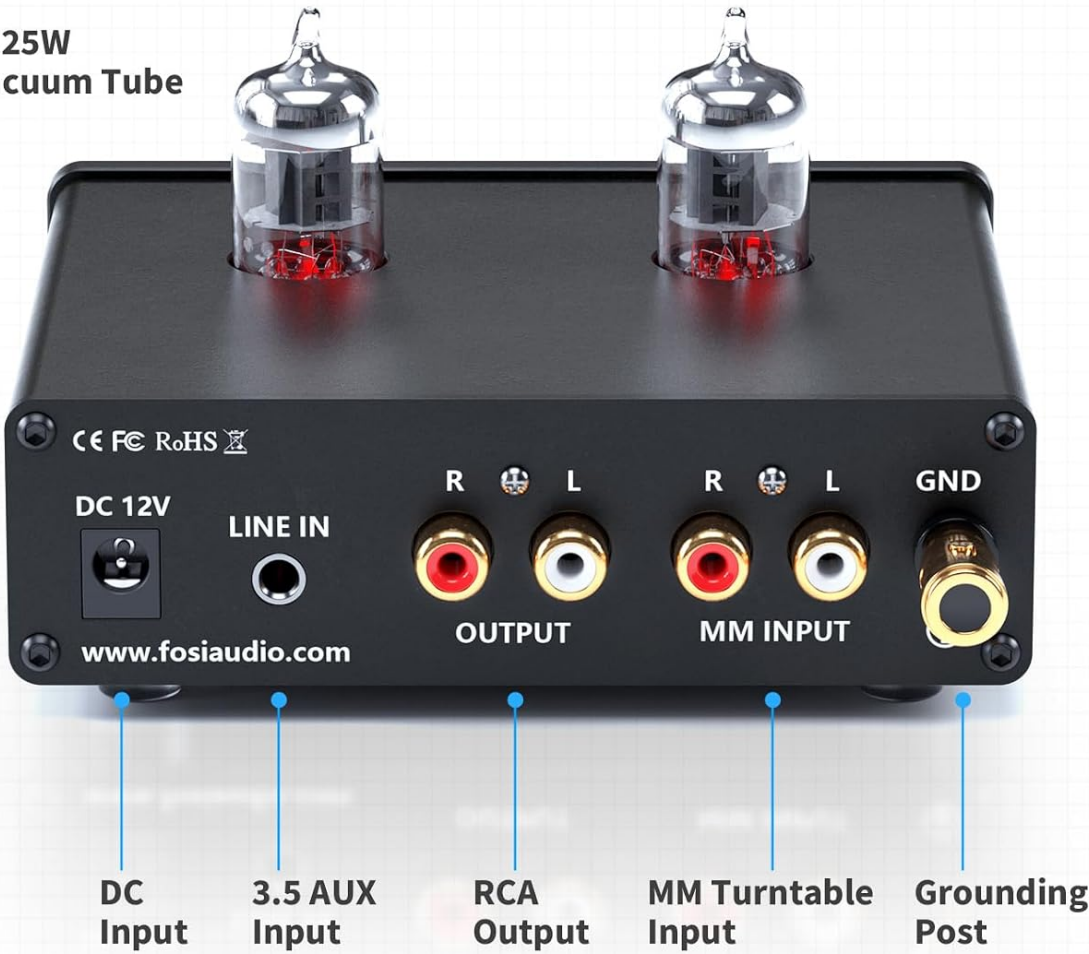


Image: A detailed view of a vacuum tube, indicating the types of tubes compatible with the BOX X4 for replacement or customization. Note: The unit ships with 6J1 tubes.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No sound output.	◦ Power not connected or unit off. ◦ Incorrect input/output connections. ◦ Turntable has built-in preamp. ◦ Headphones plugged in, muting line out.	◦ Ensure power adapter is connected and volume knob is turned on. ◦ Verify all RCA cables are connected correctly (turntable to MM IN, LINE OUT to amplifier/speakers). ◦ If your turntable has a built-in preamp, connect it to a standard line-level input on your amplifier, not the BOX X4. ◦ Unplug headphones if you want sound from speakers.
Humming or buzzing noise.	◦ Ground wire not connected. ◦ Interference from other electronics. ◦ Faulty cables.	◦ Connect the turntable's ground wire to the "GND" terminal on the BOX X4. ◦ Move the unit away from other electronic devices. ◦ Try different RCA cables.
Distorted sound.	◦ Volume too high. ◦ Damaged vacuum tubes.	◦ Reduce the volume. ◦ Consider replacing the vacuum tubes.

SPECIFICATIONS

- **Model:** BOX X4
- **Input:** MM Turntable (RCA), 3.5mm AUX
- **Output:** RCA Line Out, 3.5mm Headphone Out
- **Vacuum Tubes:** 6J1 (replaceable with 6K4, 6J1, 6J4, GE5654, 6AK5, 66)
- **Power Supply:** DC 12V
- **Dimensions:** Approximately 120mm (W) x 100.9mm (D) x 35mm (H) (excluding tubes)
- **Weight:** Approximately 590g

WARRANTY AND SUPPORT

Fosi Audio provides a 24-month warranty for the BOX X4, ensuring reliable performance and customer satisfaction. For technical support, troubleshooting assistance, or warranty claims, please contact Fosi Audio customer service through their official website or the retailer where you purchased the product. You can find more information and contact details on the [Fosi Audio Brand Store](#).

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question