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› Fosi Audio MC331 Tube Integrated Amplifier and K5 Pro Gaming DAC Headphone Amplifier User Manual

Fosi Audio MC331, K5 Pro

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INTRODUCTION

This manual provides detailed instructions for the Fosi Audio MC331 Tube Integrated Amplifier and the Fosi Audio K5 Pro Gaming DAC Headphone Amplifier. It covers product overviews, setup procedures, operational guidelines, maintenance tips, and troubleshooting information to ensure optimal performance and user experience with both devices.



Image: Fosi Audio MC331 Tube Integrated Amplifier and K5 Pro Gaming DAC Headphone Amplifier side-by-side, illustrating their compact designs.

SAFETY INSTRUCTIONS

- Read all instructions carefully before operating the devices.
- Keep the devices away from water, moisture, and direct sunlight.
- Ensure proper ventilation to prevent overheating. Do not block ventilation openings.
- Use only the power adapters specified for each device.
- Do not attempt to disassemble or repair the devices yourself. Refer all servicing to qualified personnel.
- Protect power cords from being walked on or pinched.
- Unplug the devices during lightning storms or when unused for long periods.

FOSI AUDIO MC331 TUBE INTEGRATED AMPLIFIER OVERVIEW

The Fosi Audio MC331 is an integrated tube DAC amplifier featuring a VU meter and 5725W vacuum tubes. It combines a DAC, amplifier, preamplifier, and headphone amplifier into a single unit, offering multiple input options and speaker outputs.

Boasting Digital and Analog Input Modes

Supporting Bluetooth/USB/Coaxial/Optical/RCA Connectivity



Image: Front and rear panel diagram of the Fosi Audio MC331, indicating controls and connection points.

Controls and Functions (MC331)

- **VU Meter:** Visual indicator of audio signal level.
- **Input Mode Indicators:** LEDs for BT (Bluetooth), USB, OPT (Optical), COAX (Coaxial), RCA.
- **Tube Covers:** Protective covers for the 5654W vacuum tubes.
- **Treble Knob:** Adjusts high-frequency response.
- **Bass Knob:** Adjusts low-frequency response.
- **Power Switch/Mode Switch/Volume Control:** Multi-function knob for power, input selection, and volume adjustment.
- **3.5mm Headphone Output:** For connecting headphones.
- **IR Infrared Interface:** For remote control reception.

- **USB Input:** For connecting to a computer or other USB audio source.
- **Optical Input:** For connecting optical audio sources.
- **Coaxial Input:** For connecting coaxial audio sources.
- **RCA Input:** For connecting analog audio sources.
- **Bluetooth Antenna Connector:** For attaching the Bluetooth antenna.
- **Speaker Output:** For connecting passive speakers.
- **Pre-Out:** For connecting to an external power amplifier or powered speakers.
- **DC 19-24V Power Input:** For connecting the power adapter.

FOSI AUDIO K5 PRO GAMING DAC HEADPHONE AMPLIFIER OVERVIEW

The Fosi Audio K5 Pro is a mini stereo gaming DAC and headphone amplifier designed for enhanced audio performance in gaming and desktop setups. It functions as an external sound card, supporting various digital and analog inputs and outputs, including a microphone input.

Mini Compact Desktop DAC

Practical and Exuding Elegance with High-performance



Image: Front and rear panel diagram of the Fosi Audio K5 Pro, indicating controls and connection points.

Controls and Functions (K5 Pro)

- **Indicator Light:** Shows current input mode (USB, OPT, COAX).
- **3.5mm Headphone Output:** For connecting headphones (16 Ohm to 300 Ohm).
- **3.5mm Microphone Input:** For connecting a microphone.
- **Bass Control:** Adjusts low-frequency response.
- **Treble Control:** Adjusts high-frequency response.
- **Mode Select/Volume Control/Power Switch:** Multi-function knob for power, input selection, and volume adjustment.
- **USB-C / Power In / Audio In:** Multi-purpose port for power and USB audio input.
- **Optical Input:** For connecting optical audio sources.
- **Coaxial Input:** For connecting coaxial audio sources.
- **RCA Audio Out (Left/Right):** For connecting to an amplifier or powered speakers.

SETUP AND CONNECTIONS

Fosi Audio MC331 Setup

1. **Install Tubes:** Carefully insert the 5654W vacuum tubes into their sockets on the MC331. Ensure they are seated firmly.
2. **Connect Speakers:** Connect your passive speakers to the speaker output terminals on the rear panel. Ensure correct polarity (+ to + and - to -).
3. **Connect Audio Source:** Choose your desired input (USB, Optical, Coaxial, RCA, or Bluetooth).
 - For **USB**, connect a USB cable from your computer to the MC331's USB input.
 - For **Optical/Coaxial**, connect the respective cable from your source (e.g., TV, CD player) to the MC331.
 - For **RCA**, connect RCA cables from your analog source (e.g., turntable with built-in phono preamp) to the MC331's RCA input.
 - For **Bluetooth**, ensure the antenna is connected.
4. **Connect Power:** Connect the provided power adapter to the DC 19-24V input on the MC331, then plug it into a wall outlet.
5. **Optional: Headphones/Pre-Out:** Connect headphones to the 3.5mm output or use the Pre-Out to connect to an external power amplifier or powered speakers.

MC331 Mini Retro Integrated Amplifier

An All-in-One Hybrid DAC Amp to Meet Your Diverse Listening Needs



Image: The Fosi Audio MC331 integrated into a typical desktop audio system, demonstrating its compact footprint.

Fosi Audio K5 Pro Setup

1. **Connect Power/USB Audio:** Connect the USB-C cable from your computer (PC/Mac), PS5, or other compatible device to the K5 Pro's USB-C port. This port provides both power and audio input.
2. **Connect Digital Audio Source (Optional):** If using Optical or Coaxial input, connect the respective cable from your source (e.g., TV, CD player) to the K5 Pro.
3. **Connect Headphones:** Plug your headphones into the 3.5mm headphone output on the front panel.
4. **Connect Microphone (Optional):** If using a microphone, plug it into the 3.5mm microphone input on the front panel.
5. **Connect to Speakers/Amplifier (Optional):** Use RCA cables to connect the K5 Pro's RCA Audio Out ports to an amplifier or powered speakers.

DAC Audio Converter

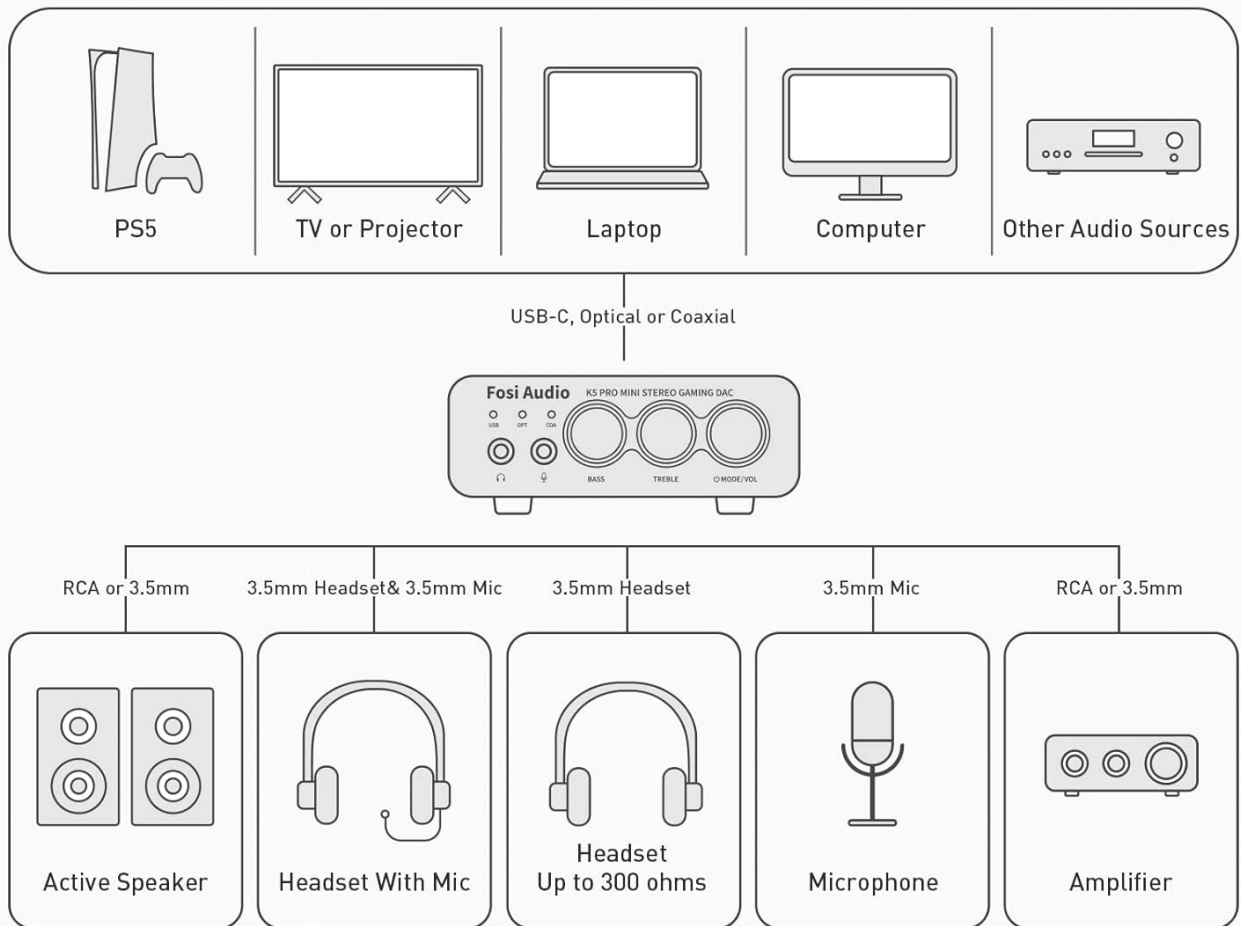


Image: A comprehensive diagram showing various connectivity options for the Fosi Audio K5 Pro, including gaming consoles, computers, and different audio outputs.

OPERATION

Fosi Audio MC331 Operation

- **Power On/Off:** Rotate the Power Switch/Mode Switch/Volume Control knob clockwise to power on. Rotate counter-clockwise until it clicks to power off.
- **Input Selection:** Press the Power Switch/Mode Switch/Volume Control knob to cycle through input modes (BT, USB, OPT, COAX, RCA). The corresponding indicator light will illuminate.
- **Volume Control:** Rotate the Power Switch/Mode Switch/Volume Control knob to adjust the output volume.
- **Tone Control:** Use the Treble and Bass knobs to adjust the high and low frequencies to your preference.
- **Bluetooth Pairing:** Select Bluetooth input. The BT indicator will flash. On your device, search for "Fosi Audio MC331" and pair. The indicator will become solid once connected.
- **Headphone Use:** When headphones are plugged into the 3.5mm output, speaker output may be muted

depending on the device's internal logic.

Fosi Audio K5 Pro Operation

- **Power On/Off:** Rotate the Mode Select/Volume Control/Power Switch knob clockwise to power on. Rotate counter-clockwise until it clicks to power off.
- **Input Selection:** Press the Mode Select/Volume Control/Power Switch knob to cycle through input modes (USB, OPT, COAX). The corresponding indicator light will illuminate.
- **Volume Control:** Rotate the Mode Select/Volume Control/Power Switch knob to adjust the output volume for headphones and RCA outputs.
- **Tone Control:** Use the Treble and Bass knobs to adjust the high and low frequencies to your preference.
- **Microphone Function:** Ensure your microphone is connected to the 3.5mm microphone input. Adjust microphone settings on your connected computer or gaming console as needed.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the devices. Do not use liquid cleaners or solvents.
- **Tube Replacement (MC331):** If the sound quality degrades or tubes fail, they can be replaced. Ensure the device is powered off and unplugged. Allow tubes to cool completely before handling. Gently pull out the old tubes and carefully insert new ones, aligning the pins correctly.
- **Storage:** When not in use for extended periods, store the devices in a cool, dry place, away from dust and extreme temperatures.
- **Ventilation:** Always ensure adequate airflow around the devices to prevent heat buildup.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output	Incorrect input selected; Volume too low; Loose connections; Device not powered on; Headphones plugged in (MC331).	Verify input mode; Increase volume; Check all cables; Ensure power is on; Unplug headphones if using speakers.
Distorted sound	Volume too high; Source audio quality poor; Faulty cables; Damaged tubes (MC331).	Reduce volume; Test with different audio source; Replace cables; Inspect/replace tubes (MC331).
Bluetooth not connecting (MC331)	Not in pairing mode; Device too far; Interference.	Ensure MC331 is in BT input and flashing; Move device closer; Reduce other wireless interference.
Microphone not working (K5 Pro)	Incorrect microphone input selected on computer/console; Microphone not fully plugged in.	Check system audio settings to ensure K5 Pro is selected as microphone input; Re-seat microphone cable.
Device not powering on	Power adapter not connected; Outlet not working; Faulty power adapter.	Check power connections; Test outlet with another device; Try a different compatible power adapter.

SPECIFICATIONS

Fosi Audio MC331 Tube Integrated Amplifier

- **Model:** MC331
- **Type:** Integrated Tube DAC Amplifier
- **Inputs:** Bluetooth, USB, Optical, Coaxial, RCA
- **Outputs:** Speaker Output, 3.5mm Headphone Output, Pre-Out
- **Tubes:** 5654W Vacuum Tubes
- **Channels:** 2
- **Tone Control:** Bass, Treble
- **Power Input:** DC 19-24V
- **Compliance:** FCC
- **Material:** Glass, Plastic

Fosi Audio K5 Pro Gaming DAC Headphone Amplifier

- **Model:** K5 Pro
- **Type:** Mini Stereo Gaming DAC Headphone Amplifier
- **Inputs:** USB-C, Optical, Coaxial
- **Outputs:** 3.5mm Headphone Output, 3.5mm Microphone Input, RCA Audio Out
- **Headphone Impedance:** 16 Ohm to 300 Ohm
- **Tone Control:** Bass, Treble

- **Compatibility:** PS5, Computers (PC/MAC), Active Speakers, etc.

WARRANTY AND SUPPORT

Fosi Audio products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please refer to the official Fosi Audio website or contact their customer support directly. Keep your purchase receipt for warranty validation.