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Fosi Audio C3

Fosi Audio C3 Gaming DAC Amp User Manual

USB Headphone Amplifier with 7.1 Surround Sound, Desktop Volume Control, and Footstep Enhancement

1. Introduction

Thank you for choosing the Fosi Audio C3 Gaming DAC Amp. This device is designed to enhance your gaming audio experience on PC, PS5, Switch, and other compatible devices. It features 7.1 surround sound, StepSense footstep enhancement, intelligent noise cancellation, and powerful headphone output. This manual provides detailed instructions for setup, operation, and maintenance to ensure optimal performance.



Image 1.1: The Fosi Audio C3 Gaming DAC Amp.

2. What's in the Box

- Fosi Audio C3 Gaming DAC Amp
- USB-A/C to USB-C Cable
- Y-Splitter Cable
- User Manual



Image 2.1: Included components: Fosi Audio C3 unit, USB-A/C to USB-C Cable, Y-Splitter Cable, and User Manual.

3. Setup Instructions

3.1 Device Overview and Connections

Familiarize yourself with the ports and controls on your Fosi Audio C3 unit before connecting. The device features various inputs and outputs for versatile connectivity.

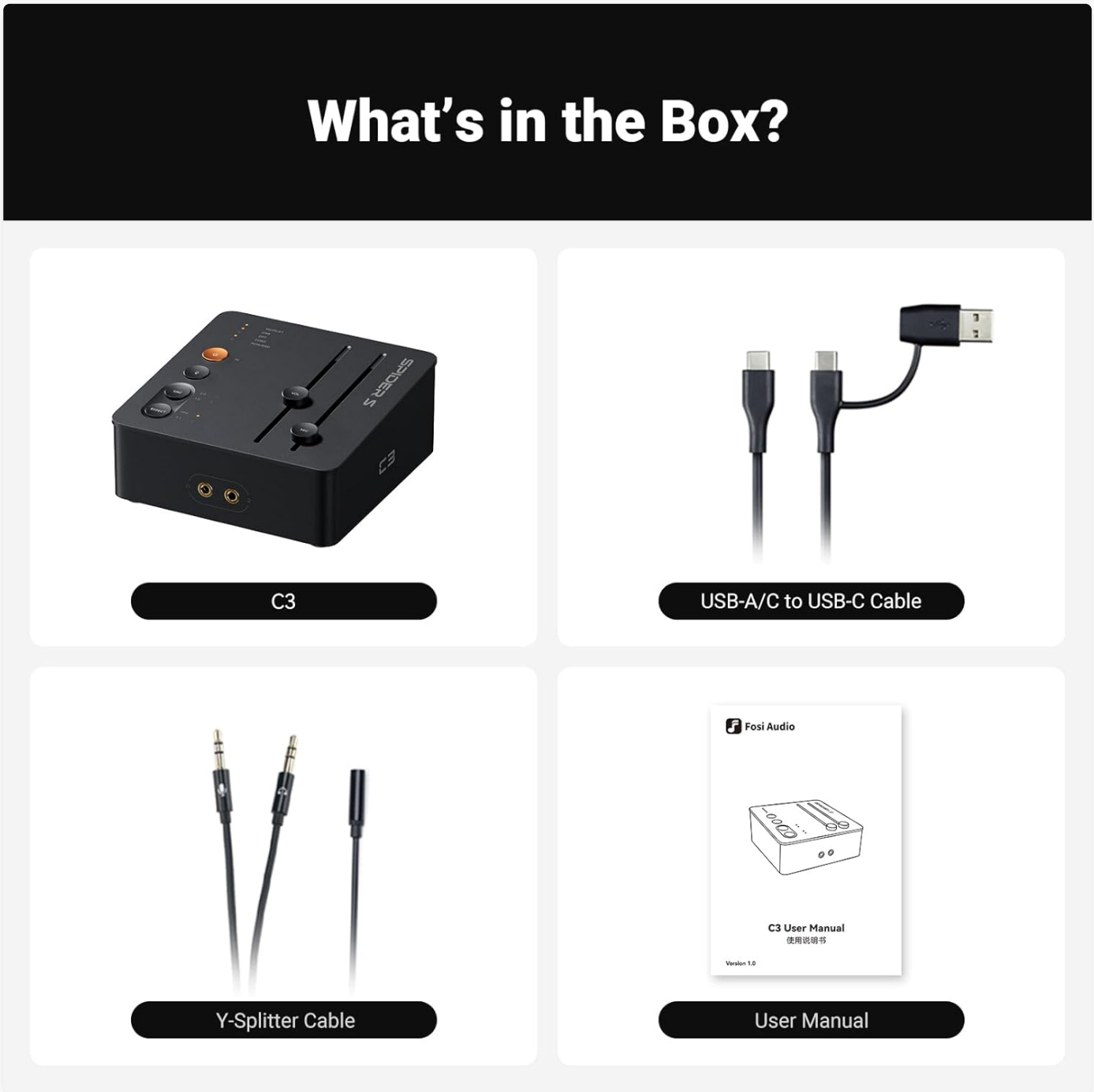


Image 3.1: Rear and front panel connections of the Fosi Audio C3. Rear panel includes Power/USB Input, Optical Input, Coaxial Input, RCA Output, and AI Noise Cancellation Switch. Front panel features 3.5mm Headphone & Mic Jacks, Master Volume Control, Mic Level Control, On/Off/Input Mode Selector, Mic Mute Button, UAC Mode Selector, and FPS/7.1 Selector.

3.2 Connecting to Your System

1. **Power/USB Connection:** Connect the provided USB-A/C to USB-C cable from your PC, PS5, Switch, or other compatible device to the USB input on the rear of the C3. This provides both power and data connection.
2. **Audio Output:** Connect your headphones to the 3.5mm headphone jack on the front panel. If using external speakers, connect them to the RCA output on the rear panel.
3. **Microphone Connection:** Connect your microphone to the 3.5mm mic jack on the front panel.
4. **Optical/Coaxial Input (Optional):** For alternative audio sources, connect an optical or coaxial cable to the respective inputs on the rear panel.

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Video 3.1: An overview of the Fosi Audio C3 Gaming External Sound Card, demonstrating its connections and features. This video is

provided by Fosi Audio.

3.3 UAC Mode Switching

The C3 supports two USB Audio Class (UAC) modes:

- **UAC 1.0 (16bit/48kHz):** Enables plug-and-play compatibility with consoles like PS5 and Switch. This mode supports gaming audio enhancements, including FPS footstep detection and combat cue prioritization.
- **UAC 2.0 (32bit/384kHz):** Unlocks full HiFi decoding for immersive cinematic experiences on PC and Mac, offering higher audio fidelity.

Use the UAC Mode Selector button on the front panel to switch between these modes as needed for your connected device.

4. Operating Instructions

4.1 Controls and Indicators

The Fosi Audio C3 features intuitive controls for easy operation:

- **On/Off/Input Mode Selector:** Press to power on/off or cycle through input modes (USB, Optical, Coaxial).
- **Mic Mute Button:** Mutes or unmutes your microphone.
- **UAC Mode Selector:** Switches between UAC 1.0 and UAC 2.0.
- **FPS/7.1 Selector:** Toggles between FPS mode (StepSense) and 7.1 Surround Sound mode.
- **Master Volume Control:** Adjusts the overall output volume for headphones and speakers.
- **Mic Level Control:** Adjusts your microphone input level.
- **Indicators:** LEDs on the top panel show current input mode, UAC mode, and active sound enhancement (FPS/7.1).

4.2 Key Features and Usage

- **StepSense Footstep Radar:** Activate FPS mode to enhance enemy footstep sounds, providing a competitive advantage in first-person shooter games. This technology balances gunfire and explosions to make footsteps more prominent.
- **7.1 Surround Sound:** Engage 7.1 surround sound for immersive 360° audio. This feature, combined with HRTF processing, helps pinpoint the direction of in-game sounds like footsteps, vehicles, and enemy locations through any stereo headset.
- **HiFi USB DAC Amp:** The integrated CS43131 DAC supports high-resolution audio up to 32-bit/384kHz PCM and DSD256. It delivers 320mW ×2 output, capable of driving 16–300Ω headphones with detailed audio for gaming, music, and movies.
- **Intelligent Noise Cancellation:** Utilize the AI Noise Cancellation (ANC) switch on the rear panel to reduce background noise, such as keyboard clicks, by up to 40dB during voice chat.
- **Custom EQ and Sound Presets:** Fine-tune your audio experience using browser-based controls. Access presets or create custom EQ profiles for different scenarios like gaming, music, or streaming.

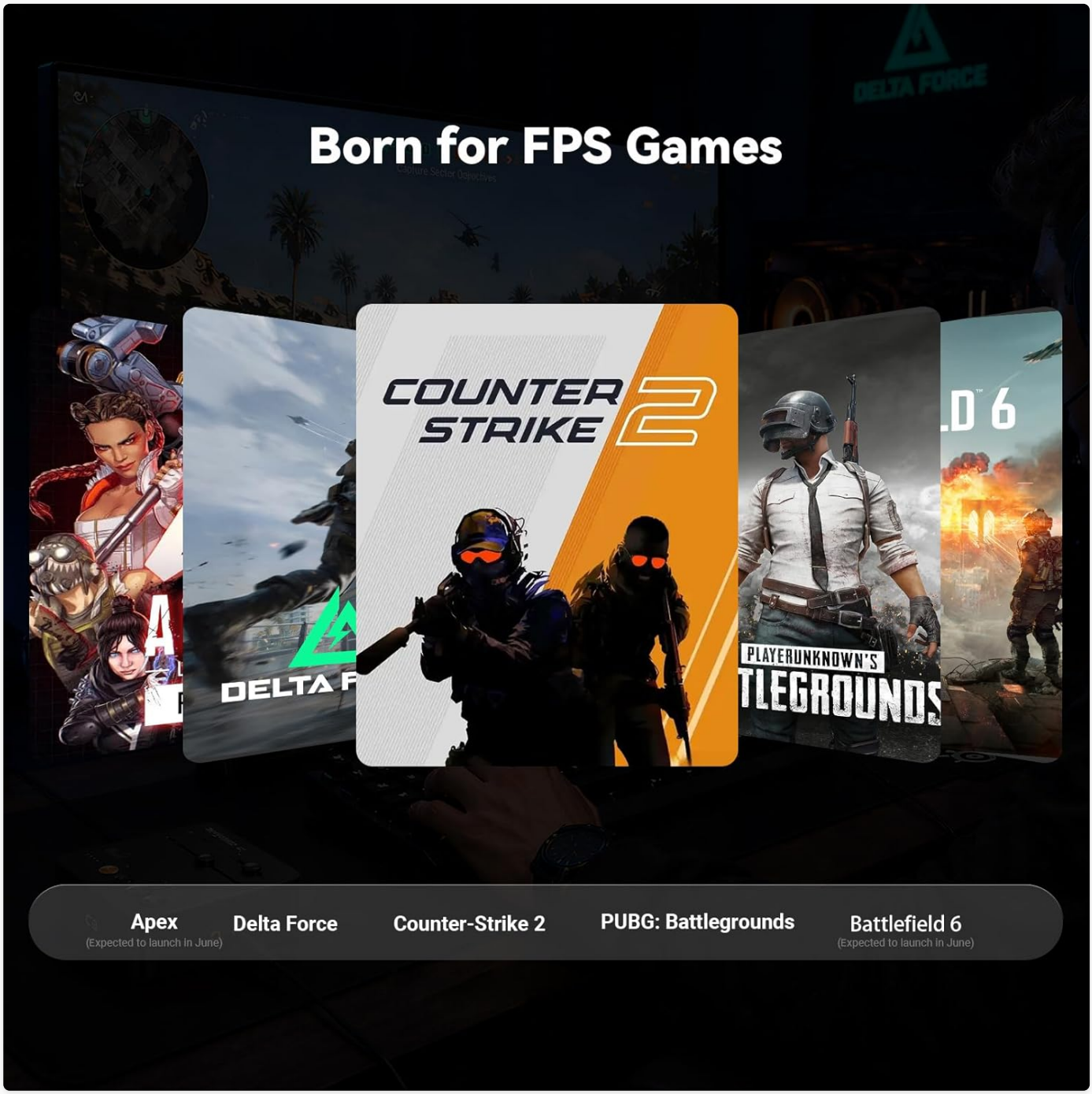


Image 4.1: The Fosi Audio C3 integrated into a gaming setup, enhancing the audio experience.

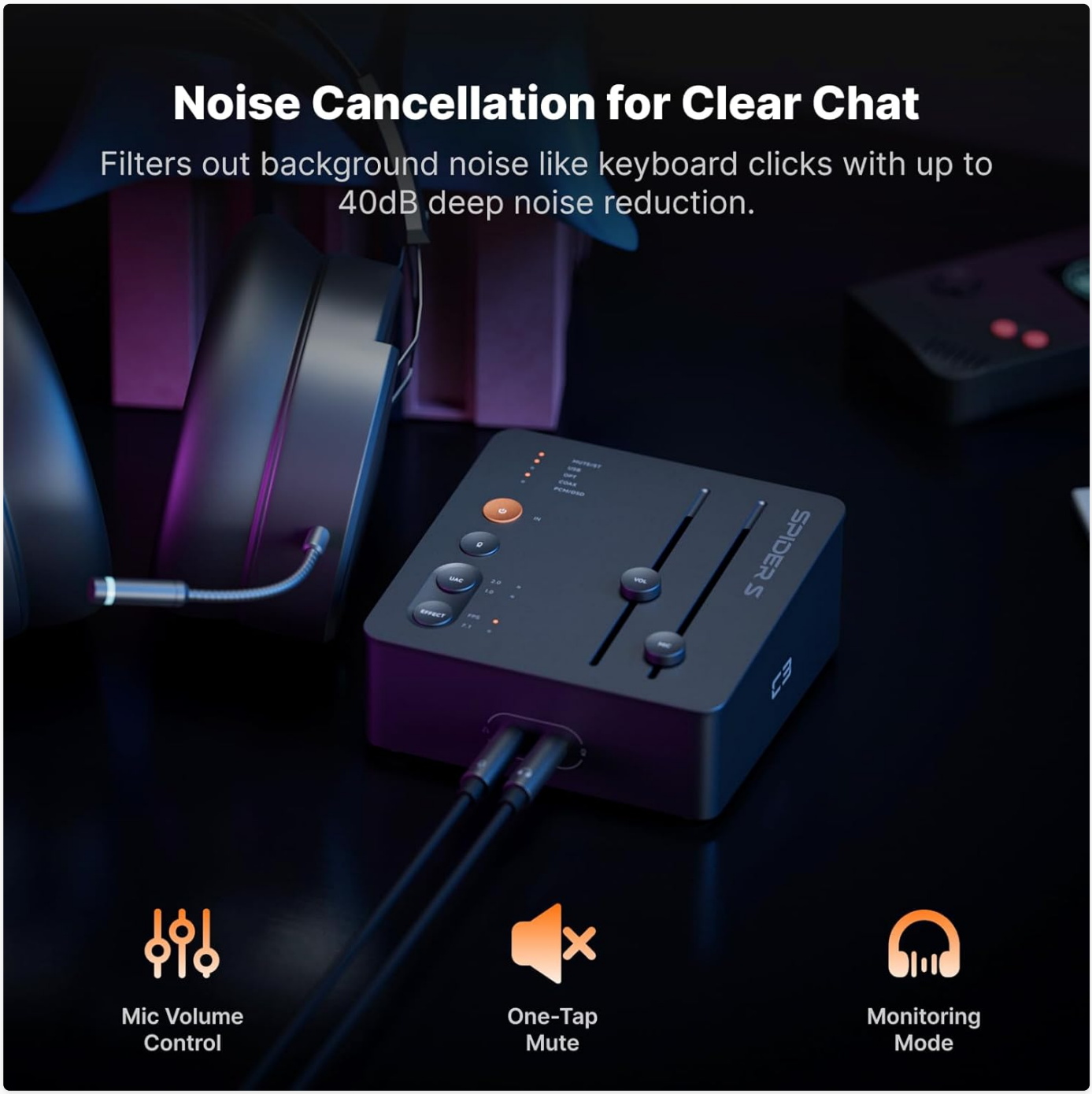


Image 4.2: The Fosi Audio C3 demonstrating its noise cancellation capabilities for clear communication.

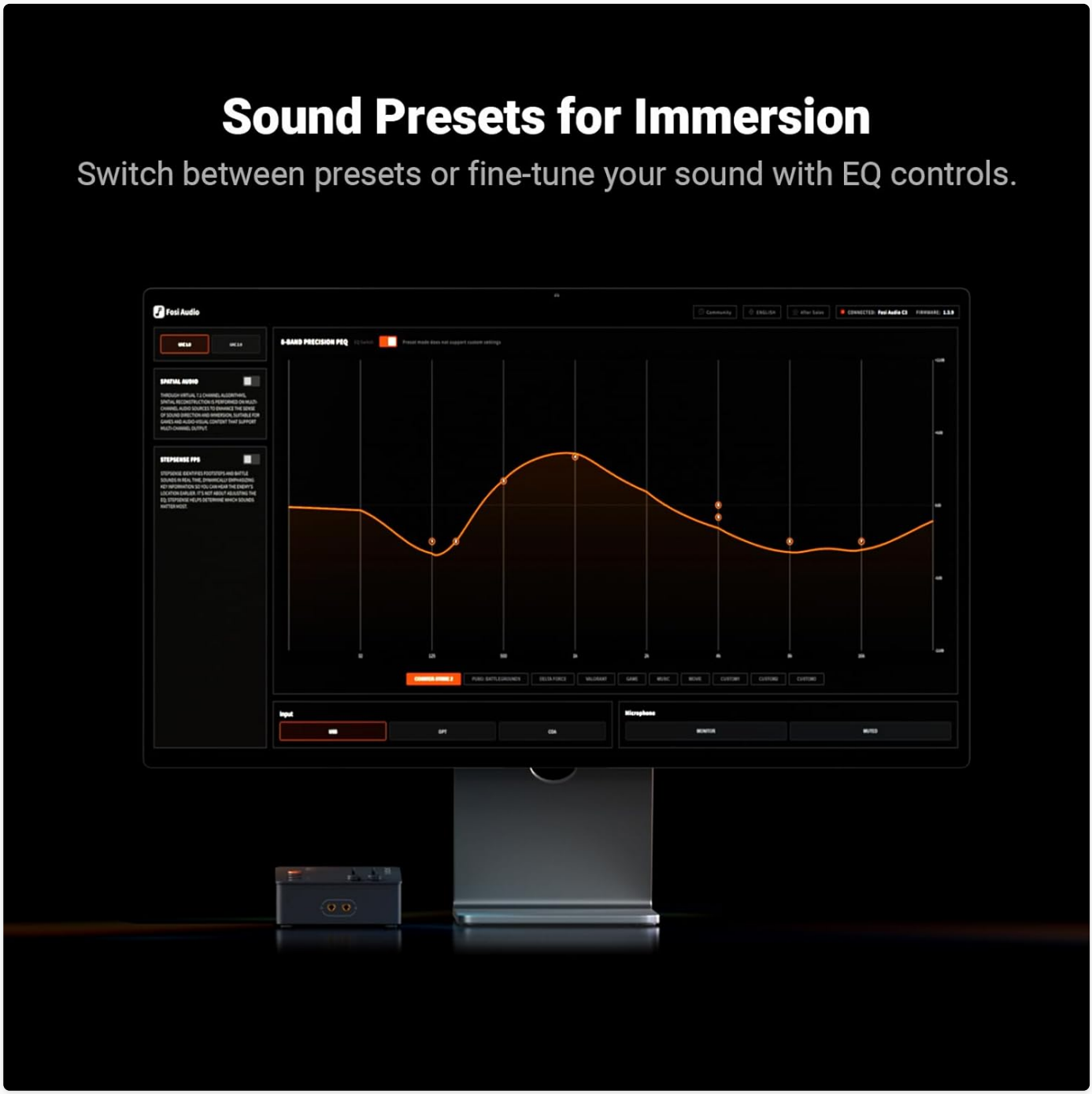


Image 4.3: Screenshot of the browser-based EQ control interface for the Fosi Audio C3, allowing sound customization.

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Video 4.1: A demonstration of the Fosi Audio C3 Gaming DAC's features and performance. This video is provided by Fosi Audio.

5. Specifications

Feature	Detail
Brand	Fosi Audio
Model	C3
Mounting Type	Desktop

Feature	Detail
Interface Types	Coaxial, Optical, RCA, USB
Number of Channels	2
Audio Output Mode	Stereo
Compatible Devices	Desktop, Gaming Console (PS5, Switch), Headphone, Microphone, Tablet
DAC Chip	CS43131
PCM Support	Up to 32-bit/384kHz
DSD Support	DSD256
Headphone Output Power	320mW ×2
Headphone Impedance Range	16–300Ω
Noise Cancellation	Intelligent Mic Processing (up to 40dB reduction)

6. Maintenance

To ensure the longevity and optimal performance of your Fosi Audio C3, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Avoid using harsh chemicals, solvents, or abrasive materials.
- **Environment:** Keep the device in a cool, dry place away from direct sunlight, heat sources, and excessive moisture.
- **Handling:** Handle the device with care. Avoid dropping it or subjecting it to strong impacts.
- **Ventilation:** Ensure proper ventilation around the unit to prevent overheating. Do not block any vents.

7. Troubleshooting

If you encounter issues with your Fosi Audio C3, refer to the following common troubleshooting steps:

- **No Sound Output:**
  - Check all cable connections (USB, headphones, speakers) to ensure they are secure.
  - Verify the C3 is powered on and the correct input mode is selected.
  - Adjust the Master Volume control.
  - Ensure your operating system's audio output is set to the Fosi Audio C3.
  - Try switching UAC modes (1.0 or 2.0) if on PC/Mac.
- **Microphone Not Working:**
  - Check the microphone connection to the 3.5mm mic jack.
  - Ensure the Mic Mute button is not active.
  - Adjust the Mic Level control.
  - Verify your operating system's microphone input is set to the Fosi Audio C3.

- Check the AI Noise Cancellation switch on the rear panel; try toggling it off if experiencing issues.

- **Distorted Audio:**
  - Reduce the Master Volume.
  - Ensure your audio source is not overdriving the input.
  - Check headphone impedance compatibility (16-300Ω).

- **Device Not Recognized by PC/Console:**
  - Try a different USB port or cable.
  - Restart your PC or console.
  - Switch between UAC 1.0 and UAC 2.0 modes.
  - For PC, ensure necessary drivers are installed (if applicable, check Fosi Audio website).

If these steps do not resolve the issue, please contact Fosi Audio customer support for further assistance.

8. Warranty and Support

The Fosi Audio C3 Gaming DAC Amp comes with a**2-Year Manufacturer Warranty**. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or any questions regarding your product, please contact Fosi Audio directly through their official channels. You can visit the Fosi Audio Store on Amazon for contact information and support resources.

Please retain your proof of purchase for warranty validation.

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