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TOPPING E1x2 OTG-Black

TOPPING E1X2 OTG USB Audio Interface User Manual

Model: E1x2 OTG-Black

INTRODUCTION

The TOPPING E1X2 OTG USB Audio Interface is a high-performance device designed for professional audio recording, mixing, and live streaming. It offers high-resolution sound with support for 192kHz/24bit, an ultra-linear microphone preamp, and versatile compatibility across various operating systems and devices. This manual provides detailed instructions for setting up, operating, and maintaining your E1X2 OTG audio interface.



Figure 1: Front view of the TOPPING E1X2 OTG USB Audio Interface.

SETUP

1. Package Contents

Before you begin, ensure all items are present in the package:



Figure 2: Contents list including the E1X2 OTG unit, Type A to Type C cable, Type C to Type C cable, 6.35 mm to 3.5 mm adaptor, and Quick Start Guide.

- E1X2 OTG Audio Interface Unit
- Type A to Type C USB Cable
- Type C to Type C USB Cable
- 6.35 mm to 3.5 mm Adaptor
- Quick Start Guide

2. Driver Installation (Windows Users)

For Windows operating systems, the E1X2 OTG is not a plug-and-play device. You will need to download and install the "Topping Professional Control Center" software, which includes the necessary drivers. This software is typically available on the Topping official website. macOS, iOS, and Android devices generally do not require separate driver installations.

3. Connecting the Device

The E1X2 OTG features multiple connection options for various scenarios. Refer to the diagrams below for proper connection.

Independent mixer control

1. Equipped with four 12-channel input mixers, the E1x2 OTG allows you to easily adjust and control audio effects for precise audio management.

2. In addition, its 8 DAW channels and 6 LoopBack channels are designed to meet your diverse creative needs for recording, mixing and playback.

Direct mobile phone connection

You only need an OTG USB cable to directly connect to your mobile phone for live stream, achieving lossless sound quality transmission. Livestream steadily on major live stream platforms.

Digital transmission distortion: **-130dB** Dynamic range: **138dB**

Note: The sound card needs auxiliary power supply when mobile phone OTG is directly connected.



Figure 3: Rear panel connections including Power, USB-C (for computer), OTG (for phone/tablet), and Line Out (1L, 2R).

- **Power Connection:** Connect the provided power cable to the "POWER" USB-C port on the rear panel.
- **Computer Connection:** Use the "USB-C" port on the rear panel to connect to your PC or Mac. This port handles data transmission and can also provide power.
- **Mobile Device Connection (OTG):** Use the "OTG" USB-C port on the rear panel to connect to your smartphone or tablet. This port is specifically designed for On-The-Go (OTG) functionality, enabling direct audio transmission for live streaming and recording.
- **Line Out:** Connect your studio monitors or other audio playback devices to the 6.35mm TRS balanced "LINE OUT" ports (1L, 2R).
- **Microphone/Instrument Input:** On the front panel, connect your XLR microphone or 6.35mm TS instrument cable to the "IN" combo jack. Line-level devices should use 6.35mm TRS plugs.
- **Headphone Output:** Connect your headphones to the 6.35mm headphone output jack on the front panel.

4. Connection Scenarios (Video Demonstration)

Watch the official product video for a visual guide on various connection setups, including single mobile phone, dual mobile phone, dual computer, and mobile phone with computer connections.

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Video 1: Demonstrates various connection scenarios for the E1X2 OTG, including single mobile, dual mobile, dual computer, and mobile with computer setups.

OPERATING THE E1X2 OTG

1. Front Panel Controls and Indicators

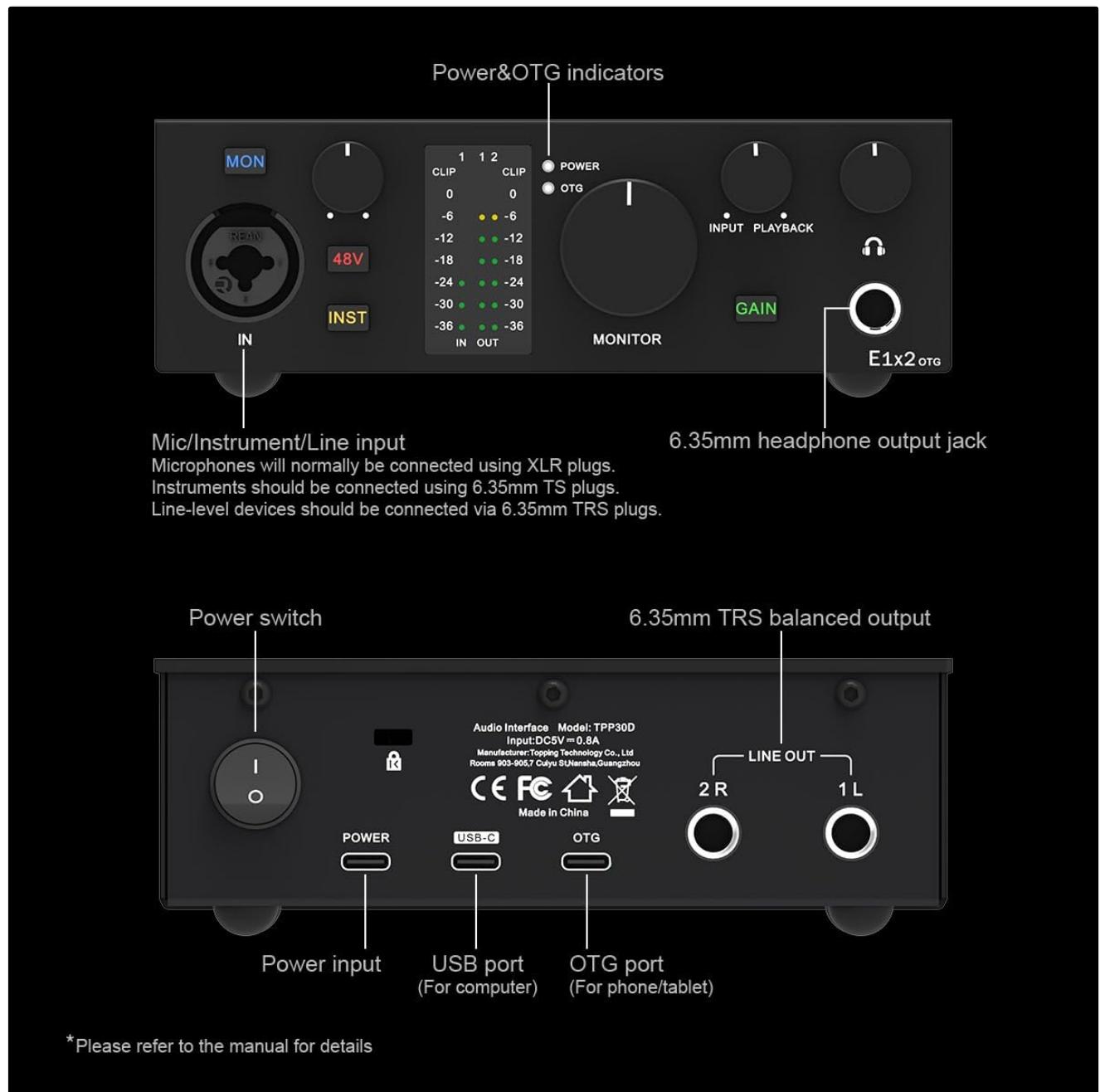


Figure 4: Front panel controls and indicators of the E1X2 OTG.

- **IN (Combo Jack):** Accepts XLR microphones or 6.35mm TS/TRS instrument/line-level inputs.
- **MON (Monitor Button):** Toggles direct monitoring on/off for zero-latency input monitoring.
- **48V (Phantom Power Button):** Activates +48V phantom power for condenser microphones.
- **INST (Instrument Button):** Switches the input impedance for instrument-level signals.
- **Clip Indicators:** Red LEDs indicate input signal clipping. Adjust gain to prevent clipping.

- **Level Meters (IN/OUT):** Green, yellow, and red LEDs display input and output signal levels.
- **POWER/OTG Indicators:** Show power status and OTG connection status.
- **MONITOR Knob:** Adjusts the overall monitoring volume.
- **INPUT/PLAYBACK Mix Knob:** Blends the direct input signal with the playback signal from your computer/mobile device for monitoring.
- **GAIN Knob:** Controls the input gain for the connected microphone or instrument.
- **Headphone Jack:** 6.35mm output for headphones.

2. Key Features and Usage

Ultra-Linear Microphone Preamp

The E1X2 OTG features an ultra-linear microphone preamp with an EIN of -130.5dBu, ensuring minimal background noise and high-fidelity audio capture. This is ideal for professional recording environments.



Figure 5: Illustration of the ultra-linear microphone preamp module.

Direct Condenser Microphone Connection

With the integrated 48V phantom power switch, the E1X2 OTG is fully compatible with both condenser and dynamic microphones, providing the necessary power for condenser mics.

Comparisons

Model	E1x2 OTG	E2x2	E4x4 Pre
OTG interface	Support	No support	No support
Power supply	TypeC	TypeC	TypeC
Interface type	USB2.0	USB2.0	USB2.0
Monitor	Support (Adjustable monitoring mix ratio)	Support (Adjustable monitoring mix ratio)	Support (Adjustable monitoring mix ratio)
Input level indication	1 set of LED light	2 set of LED lights	4 set of LED lights
Output level indication	2 set of LED lights	2 set of LED lights	4 set of LED lights
Mic premodules	Ultra-linear	Ultra-linear	Ultra-linear
Phone amplifier	NFCA-LE	NFCA-LE	NFCA-LE
Sample rate support	TypeC: 24bits/44.1KHz-192KHz OTG: 16bit-24bit/48KHz	24bits/44.1KHz-192KHz	24bits/44.1KHz-192KHz
Software control	Support	Support	Support
Supported OS	Mac/Win/iOS/Android	Mac/Win/iOS/Android	Mac/Win/iOS/Android
Power switch	Support	Support	Support
Weight	415g	530g	830g
Channel number			
Mix	4	3	4
DAW	8	6	8
Loopback	6	4	6

Figure 6: Connecting a microphone to the E1X2 OTG's combo input.

Mobile Phone Live Stream Optimization

The E1X2 OTG allows for direct mobile phone connection via the OTG port for lossless sound quality transmission during live streams. It supports stable streaming on major platforms.

Optimize mobile phone live stream with PC synchronization

You can connect to a computer while using E1x2 OTG to livestream on mobile phone. Using the DAW to optimize the voice synchronously, you can also make the sound from live stream more clearer and melodious.

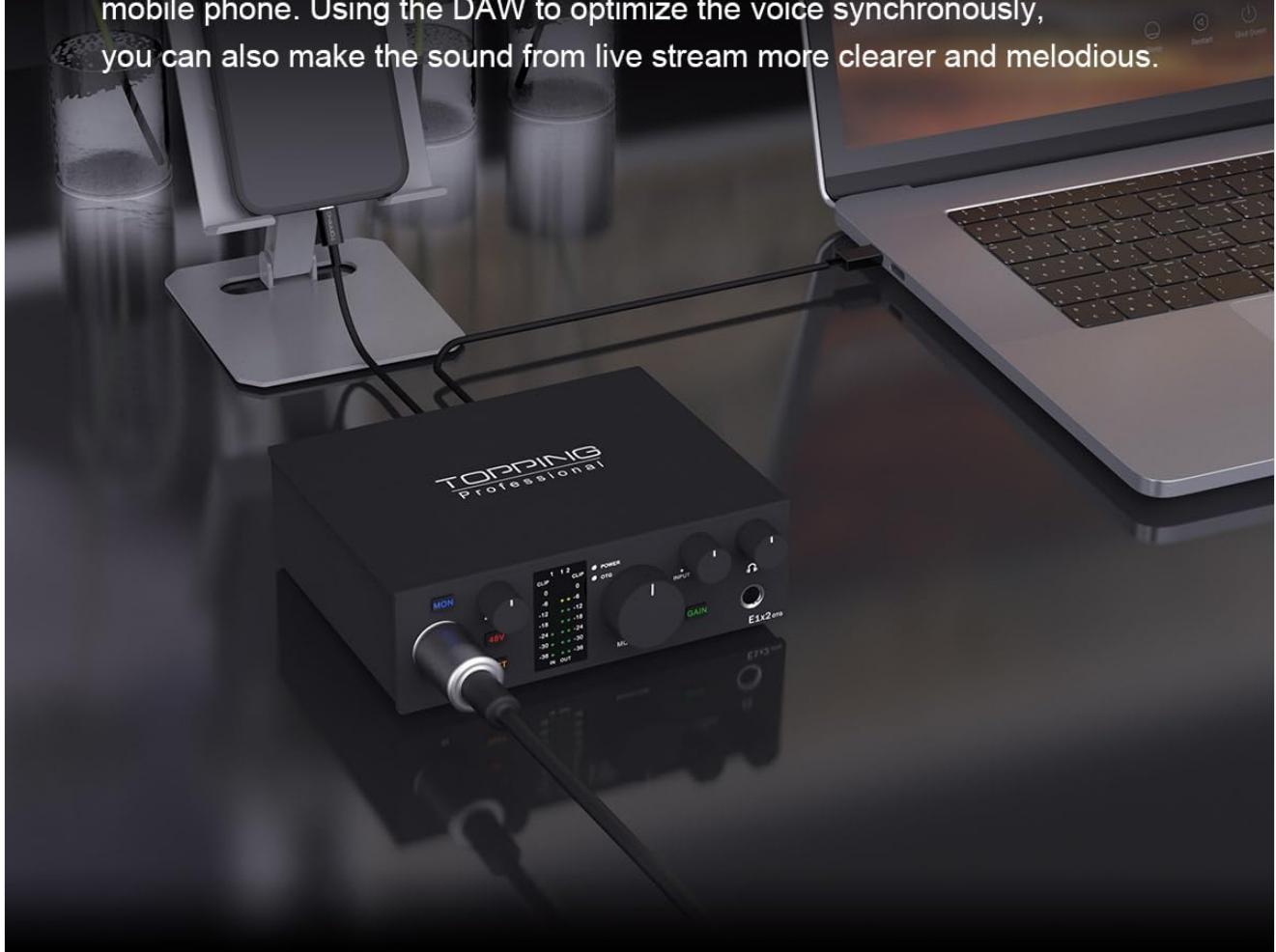


Figure 7: Direct mobile phone connection for live streaming.

PC Synchronization for Live Stream

You can connect the E1X2 OTG to both a computer and a mobile phone simultaneously. This allows you to use a Digital Audio Workstation (DAW) on your PC to optimize audio (e.g., voice processing) while streaming from your mobile phone, resulting in clearer and more melodious sound.

Dual mobile phone livestream

You can easily connect another phone to play accompaniment or audio material when one phone is on livestream. What's more, there are dual phone livestreams synchronously, expanding your audience base and making live stream interaction more vivid and interesting.



Figure 8: Optimizing mobile live stream with PC synchronization.

Dual Mobile Phone Livestream

The E1X2 OTG supports dual mobile phone livestreaming, allowing you to connect two phones simultaneously. One phone can be used for the main live stream, while the other can provide accompaniment or additional audio material, expanding your audience base and enhancing interaction.

Ultra-linear microphone preamp module

The E1x2 OTG is equipped with a self-developed Ultra-linear microphone preamp module with an EIN as low as -130.5dBu. Even at the maximum volume setting, the E1x2 OTG can maintain extremely low background noise, ensuring that every detail in your recording is perfectly captured. This ultra-linear design ensures that the audio signal is transmitted precisely enough to record clear, transparent sound.

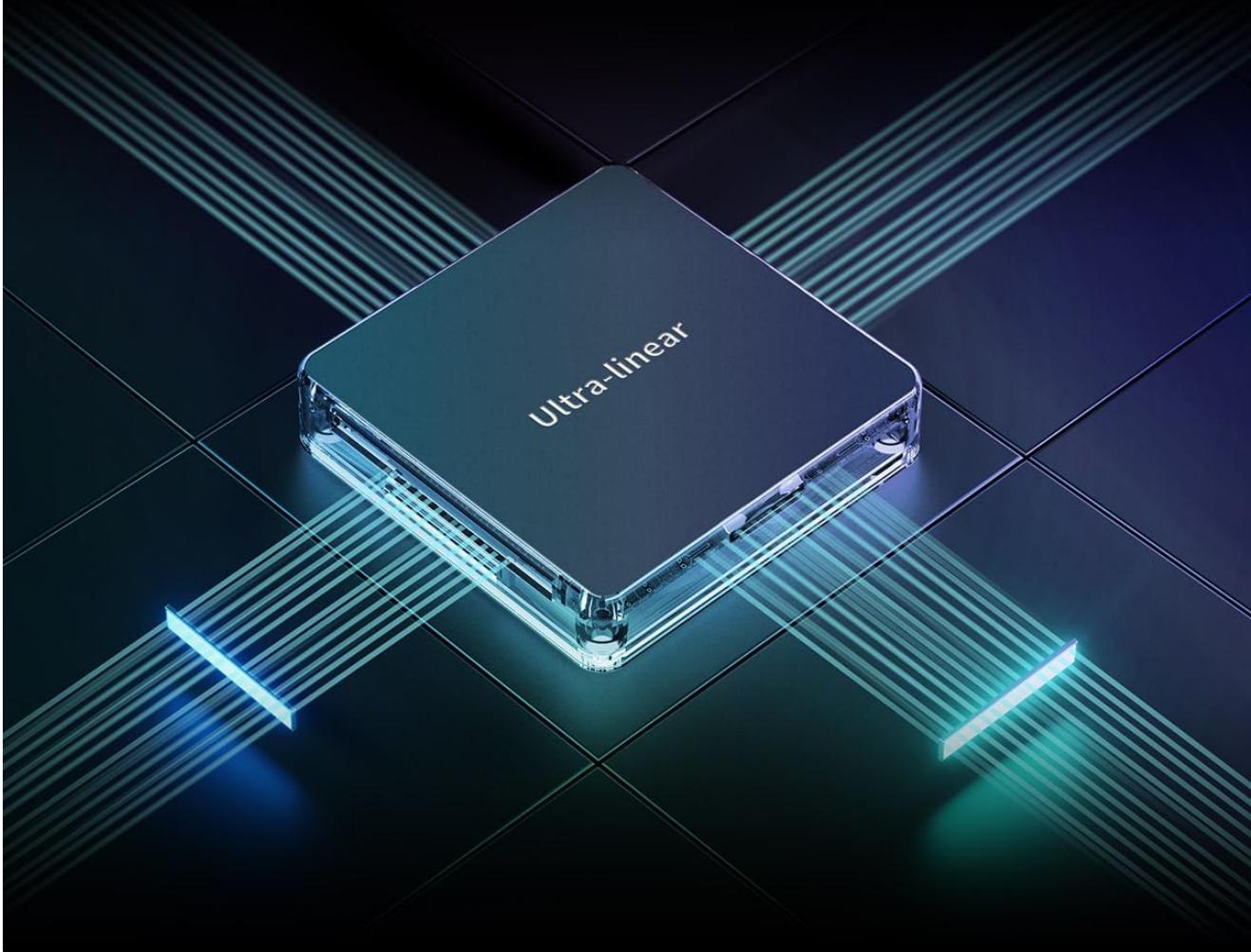


Figure 9: Dual mobile phone livestream setup.

Independent Mixer Control (Software)

The "Topping Professional Control Center" software provides a comprehensive 12-channel input mixer. This allows for precise adjustment and control of audio effects, along with 8 DAW channels and 6 LoopBack channels to meet diverse creative needs for recording, mixing, and playback.



Figure 10: Topping Professional Control Center software for independent mixer control.

Product Overview Video

For a general overview of the TOPPING E1X2 OTG Audio Interface and its features, please watch the following video:

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Video 2: General overview of the TOPPING E1X2 OTG Audio Interface.

MAINTENANCE

To ensure the longevity and optimal performance of your E1X2 OTG audio interface, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Avoid using abrasive cleaners, solvents, or strong chemicals, as they may damage the finish or internal components.
- **Environment:** Operate and store the device in a clean, dry environment, away from direct sunlight, excessive heat, humidity, and dust.
- **Ventilation:** Ensure proper ventilation around the unit to prevent overheating. Do not block any ventilation openings.
- **Cables:** Handle cables carefully. Avoid bending or crimping them excessively, which can damage the internal wires.
- **Storage:** If storing the device for an extended period, disconnect all cables and store it in its original packaging or a protective case.

TROUBLESHOOTING

If you encounter issues with your E1X2 OTG, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No sound output from headphones/monitors.	Incorrect volume levels, incorrect output selection in software, loose connections.	Check MONITOR and GAIN knobs. Ensure E1X2 OTG is selected as the output device in your computer's sound settings or DAW. Verify all cables are securely connected.
Microphone not detected or no input signal.	Incorrect input selection, +48V not enabled for condenser mic, gain too low, driver issue.	Ensure microphone is connected to the "IN" port. Press the "48V" button for condenser mics. Increase the GAIN knob. For Windows, ensure drivers are correctly installed via "Topping Professional Control Center".
Distorted or noisy audio.	Input gain too high (clipping), faulty cable, interference.	Reduce the GAIN knob if the CLIP indicator lights up. Try a different cable. Ensure the device is away from sources of electromagnetic interference.
Device not recognized by computer (Windows).	Missing or incorrect drivers.	Install the "Topping Professional Control Center" software and drivers from the official TOPPING website. Restart your computer after installation.
Mobile device connection issues (e.g., "interface sleeping").	Mobile mode settings, power supply.	Ensure the audio interface is connected to a power source when using mobile OTG. Check the "Topping Professional Control Center" software for any mobile mode settings that might cause sleep issues.
Software mixer controls not reflecting physical knob positions.	Software design.	This is a known characteristic of the "Topping Professional Control Center" where rotary controls on the hardware are not mirrored in the software. Adjust directly on the hardware.

SPECIFICATIONS

Detailed technical specifications for the TOPPING E1X2 OTG USB Audio Interface:

Feature	Detail
Model Number	E1x2 OTG-Black
Connectivity Technology	USB (Type-C)
Number of Channels	5 (Input/Output channels for mixing)
Sample Rate Support	24bit/192kHz (Type-C), 16bit/24bit/44.1KHz/48KHz (OTG)
Mic Preamp EIN	-130.5dBu (Ultra-linear)
Phantom Power	+48V
Headphone Amp Module	NFCA-LE

Feature	Detail
Headphone Output Power	580mW x 2 @ 32 Ohm
Supported Operating Systems	Windows, macOS, iOS, Android
Supported Software	Avid Pro Tools, Ableton Live, Steinberg Cubase, Studio One, Logic Pro, Nuendo, Reaper, Audacity, Adobe Audition, etc.
Item Weight	14.6 ounces
Package Dimensions	9.13 x 6.65 x 2.91 inches
Country of Origin	China

Comparison with other models

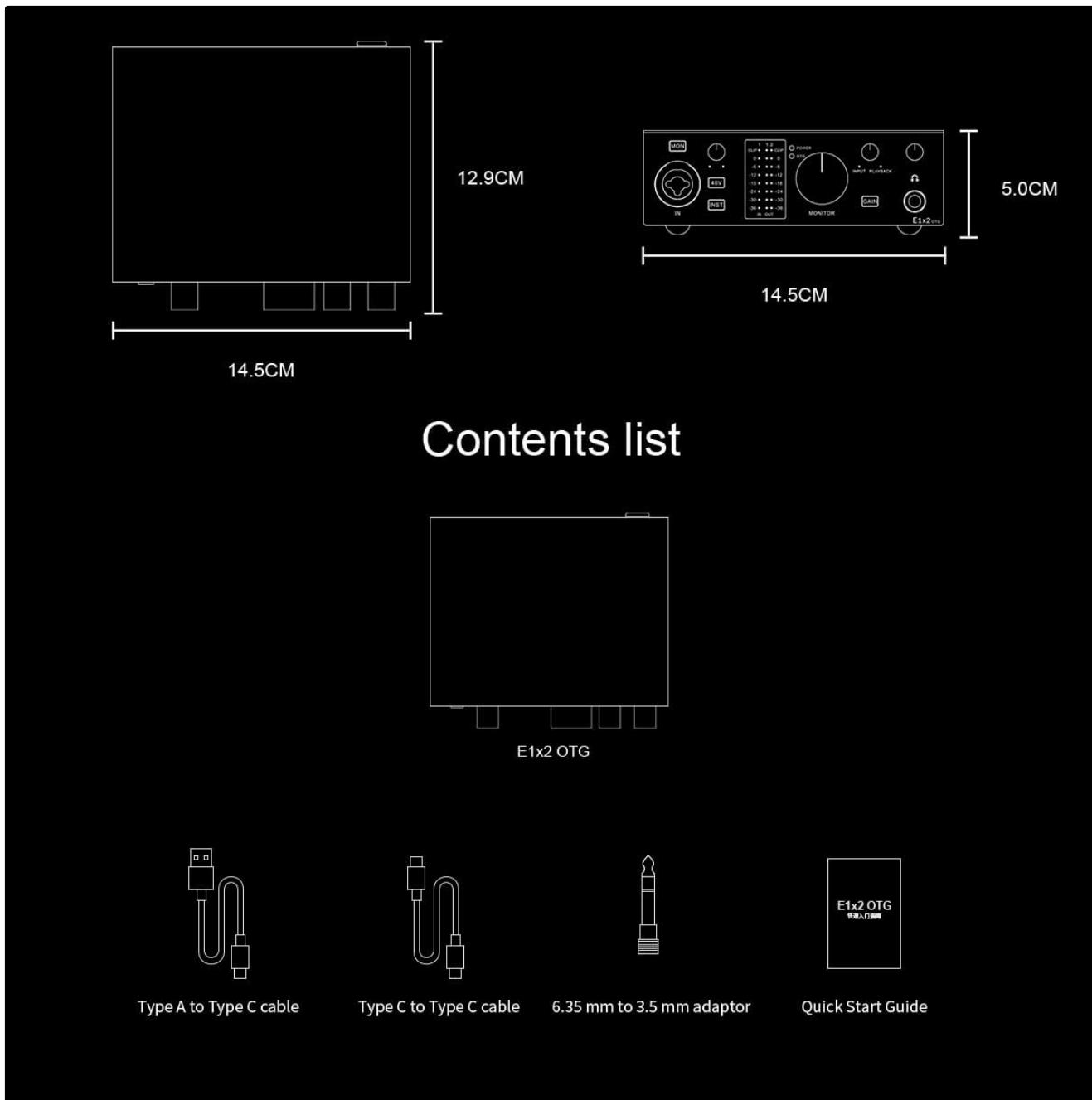


Figure 11: Comparison of E1X2 OTG with other TOPPING audio interface models.

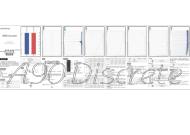
WARRANTY AND SUPPORT

TOPPING products are designed for reliability and performance. For warranty information, please refer to the documentation included with your purchase or visit the official TOPPING website. If you require technical support or have questions not covered in this manual, please contact TOPPING customer service through their official channels or the retailer where you purchased the product.

You can visit the official TOPPING store on Amazon for more information and support:[TOPPING Store](#)

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Related Documents - E1x2 OTG-Black

 E1x2 OTG <small>Model: TPP7000</small>	TOPPING E1x2 OTG USB Audio Interface User Manual Comprehensive user manual for the TOPPING E1x2 OTG USB audio interface, detailing its features, setup, specifications, and troubleshooting guide for optimal audio performance.
 E1x2 OTG <small>Model: TPP7000</small>	TOPPING E1x2 OTG User Manual: Professional Audio Interface Comprehensive user manual for the TOPPING E1x2 OTG, a professional audio interface. Learn about its features, connections, setup, troubleshooting, and specifications.
 TPP70F <small>Model: TPP7000</small>	TOPPING TPP70F Portable Audio Interface User Manual & Specifications Comprehensive user manual and technical specifications for the TOPPING TPP70F portable audio interface. Learn about its features, functions, inputs, outputs, and performance metrics.
 A90 Discrete	Topping A90 Discrete Headphone Amplifier User Manual Comprehensive user manual for the Topping A90 Discrete Fully Discrete Balanced Headphone Amplifier, detailing its features, specifications, and operation.
 M62 <small>Model: TPP7000</small>	TOPPING M62 Portable Audio Interface User Manual Comprehensive user manual for the TOPPING M62 Portable Audio Interface, covering setup, features, operation, specifications, and troubleshooting. Learn how to connect microphones, line-out devices, phones, and computers, and utilize its various modes and controls.
 E8x8 Pre <small>Model: TPP7000</small>	Topping E8x8 Pre User Manual and Specifications Comprehensive user manual and technical specifications for the Topping E8x8 Pre audio interface, detailing its features, connections, operation, troubleshooting, and detailed audio parameters.