

TOPPING M62

TOPPING M62 Portable Audio Interface User Manual

Model: M62
Brand: TOPPING

1. INTRODUCTION

The TOPPING M62 is a portable audio interface engineered for creators who demand high-quality sound for various applications, including live streaming, podcasting, music recording, and field recording. This device integrates advanced features such as dual microphone inputs with 48V phantom power, an ultra-linear preamp, and intelligent audio processing to deliver clear and professional audio performance. Its versatile connectivity options and long-lasting battery make it suitable for both indoor and outdoor use.

2. KEY FEATURES

- **Dual Microphone Inputs with 48V Phantom Power:** Connect and power two condenser or dynamic microphones simultaneously, ideal for interviews, podcasts, and vocal/instrument recording.
- **Ultra-Linear Preamp & High Dynamic Range:** Achieve up to 88dB gain with an Equivalent Input Noise (EIN) as low as -129.5dBu, ensuring ultra-low noise and clear, natural sound.
- **Smart Audio Processing:** Features AI noise reduction, noise gate, auto gain, and three reverb modes (Studio/Live/Hall) for one-touch vocal optimization.
- **Flexible Connectivity:** Supports smartphone OTG, Bluetooth (aptX-HD/aptX-LL/AAC/SBC), AUX, and PC/Mac via USB-C for lossless transmission and multi-source mixing.
- **Real-Time EQ & Monitoring:** Input EQ enhances source recordings, Output EQ customizes listening, with zero-latency monitoring for accurate sound control.
- **Long Battery Life:** A 5000mAh battery provides up to 8.5 hours of operation with dynamic microphones or 6.5 hours with dual condenser microphones, suitable for extended sessions.
- **Powerful Headphone Output:** 500mW x2 @32Ω with ultra-low 1Ω output impedance, capable of driving headphones up to 600Ω for precise monitoring.

3. PRODUCT OVERVIEW

Front Panel Controls and Inputs

The front panel of the M62 features essential controls and inputs for immediate access during recording and streaming.

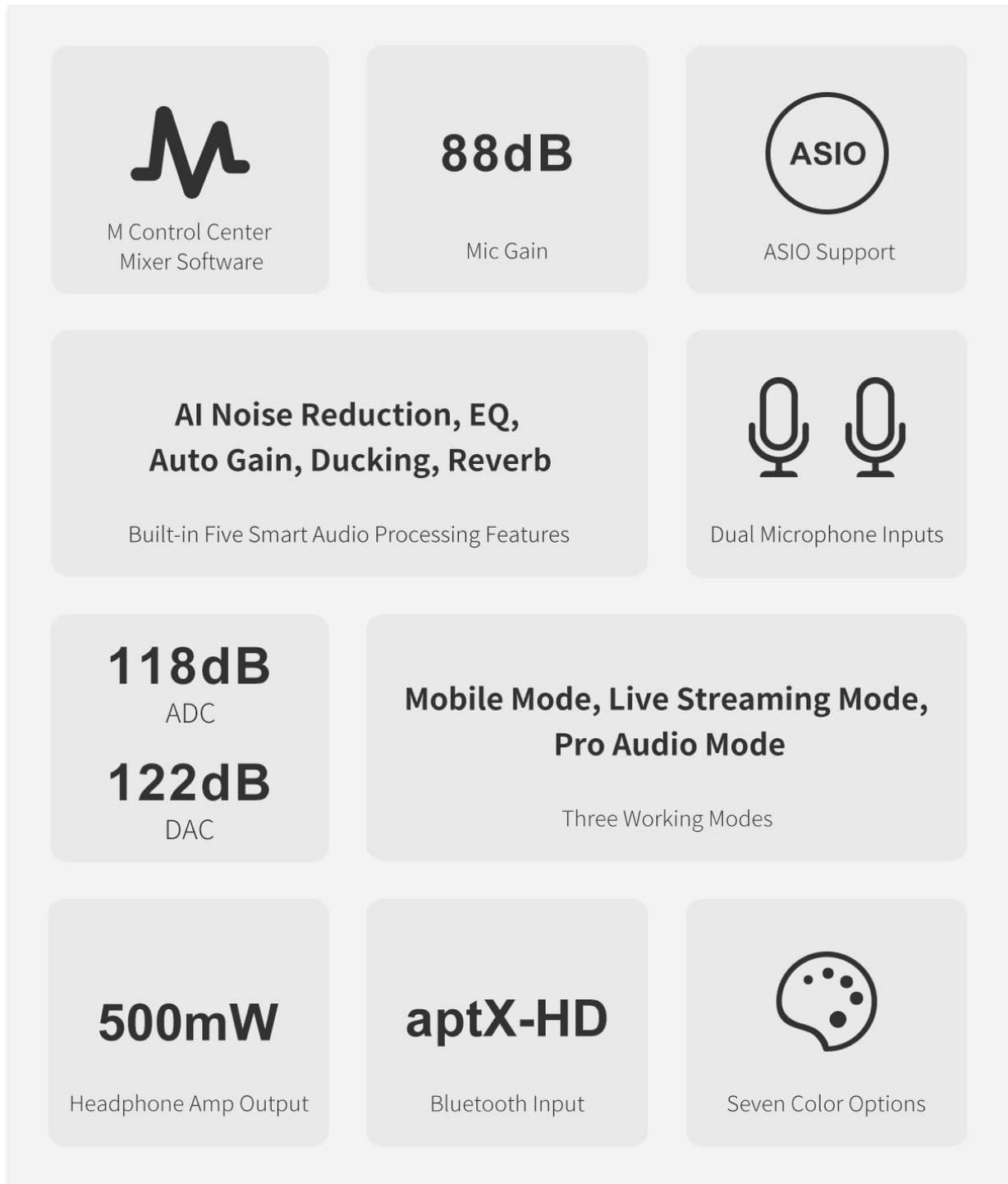


Image: Front view of the TOPPING M62, showing dual XLR/TRS combo inputs, 48V phantom power buttons, input gain knobs, monitor level, and headphone output.

- **Mic1 / Mic2 Inputs:** XLR/TRS combo jacks for connecting microphones or instruments.
- **48V Buttons:** Activates 48V phantom power for condenser microphones.
- **INST Buttons:** Engages instrument mode for high-impedance inputs.
- **Monitor Knob:** Adjusts the volume for direct monitoring.
- **Input/Playback Mix:** Blends the direct input signal with playback from the connected device.
- **Gain Knobs:** Controls the input gain for each channel.
- **Headphone Output:** 6.35mm jack for connecting headphones.
- **Level Meters:** LED indicators for input and output signal levels.

Rear Panel Connections

The rear panel provides various connectivity options for power, data, and audio output.

Three Working Modes for Multiple Scenarios

Switch seamlessly between Mobile Mode, Live Streaming Mode, and Pro Audio Mode on your PC. Perfectly suited for mobile/game streaming, music production, or outdoor field recording.



Mobile Mode

No extra software required—go live efficiently anytime, anywhere.



Live Streaming Mode

Built-in intelligent processing instantly elevates the atmosphere of every live broadcast.



Pro Audio Mode

Made for creators, 96kHz/24Bit high-resolution recording to capture every subtle detail of sound.

Image: Rear view of the TOPPING M62, showing USB-C ports, OTG port, and line outputs.

- **Power USB-C Port:** For charging the internal battery and powering the device.
- **USB-C Data Port:** Connects to a computer for audio transmission and control.
- **OTG Port:** Connects to mobile devices for direct audio streaming and recording.
- **Line Out (L/R):** Balanced TRS outputs for connecting to studio monitors or other audio equipment.
- **Power Switch:** Turns the device on or off.

4. SETUP GUIDE

4.1 Initial Power-On and Charging

1. Connect the M62 to a power source using the provided USB-C cable and a compatible power adapter.
2. Press the power switch on the rear panel to turn on the device. The power indicator LED will illuminate.

3. Ensure the device is fully charged before portable use to maximize battery life.

4.2 Connecting Microphones and Instruments

1. Plug your XLR or 1/4-inch TRS microphone/instrument cable into the Mic1 or Mic2 combo jacks on the front panel.
2. For condenser microphones, press the **48V** button for the corresponding channel to supply phantom power.
3. For instruments (e.g., guitar), press the **INST** button for the corresponding channel.

4.3 Connecting to a Computer (PC/Mac)

1. Connect the M62's USB-C data port to your computer using a USB-C cable.
2. The M62 will be recognized as an audio device. Install any necessary drivers (usually generic drivers are sufficient, but check TOPPING's website for specific ASIO drivers for optimal performance).
3. Select the M62 as your input/output device in your Digital Audio Workstation (DAW) or system sound settings.

4.4 Connecting to a Smartphone/Tablet (OTG)

The M62 supports direct connection to smartphones via its OTG port for mobile live streaming and recording.

High-resolution Production Experience

Supports mainstream operating systems including Android, iOS, Windows, and Mac.

Professional ASIO drivers support up to 96kHz/24bit high-resolution audio sampling and provide 16-channel recording. Record vocals and instruments without crosstalk, delivering professional live streaming and recording.



Image: The TOPPING M62 connected directly to a smartphone via an OTG cable, illustrating lossless audio transmission without adapters.

1. Connect your smartphone to the M62's OTG port using a compatible OTG cable.
2. Ensure your smartphone supports OTG functionality.
3. The M62 will act as the audio interface for your mobile device.

5. OPERATING INSTRUCTIONS

5.1 Input Gain and Monitoring

1. Adjust the **Gain** knobs for each input channel until the level meters show a healthy signal without clipping (red lights).

2. Use the **Monitor** knob to control the volume of your headphones for zero-latency monitoring of your input signal and playback.

5.2 Smart Audio Processing

The M62 offers various audio processing features to enhance your sound:

- **AI Noise Reduction:** Reduces background noise for clearer vocals.
- **Noise Gate:** Eliminates unwanted low-level noise.
- **Auto Gain:** Automatically adjusts input levels for consistent volume.
- **Reverb Modes:** Select from Studio, Live, or Hall reverb effects to add ambiance to your vocals.

5.3 Working Modes

The M62 supports three distinct working modes for different scenarios:

High-Performance AD/DA

With its heritage of superior analog circuit design, the M62 fully unleashes the chip's potential, achieving ultra-low distortion and high accuracy to capture and reproduce every detail of your audio. Its wide dynamic range ensures even the faintest sound or strongest impact is captured and reproduced clearly.

118dB

Input DNR (ADC)

< -116dB (0.00015%)

ADC THD+N

122dB

Output DNR (DAC)

< -115dB (0.00017%)

DAC THD+N

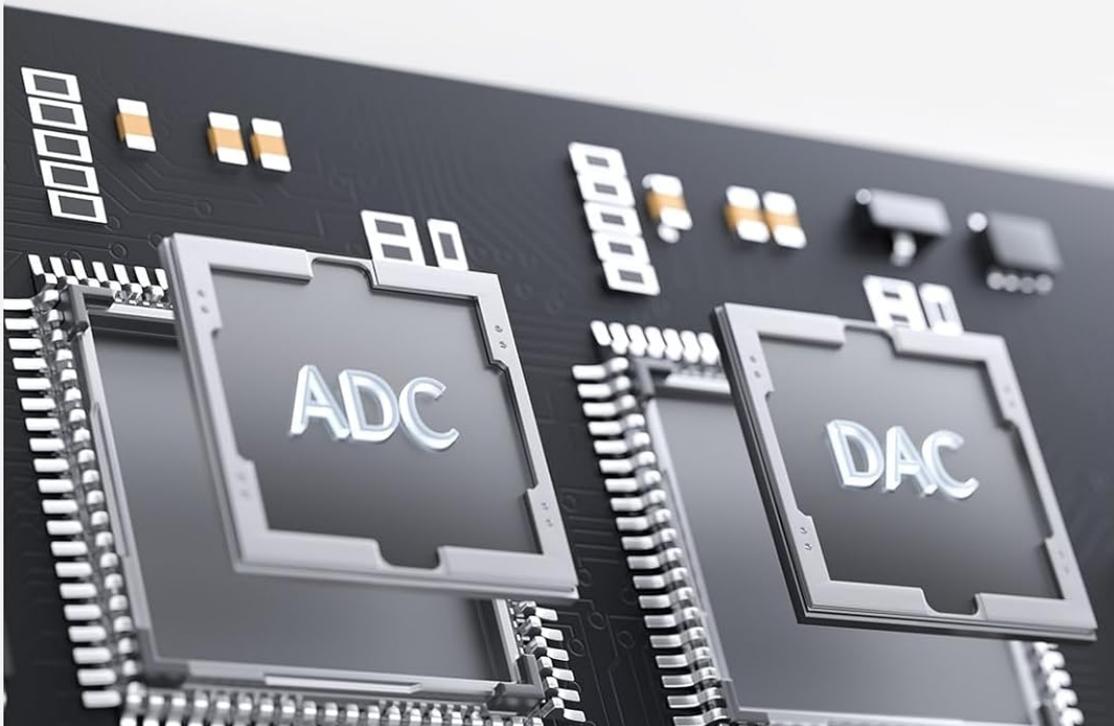


Image: Illustration of the three working modes: Mobile Mode (for mobile/game streaming), Live Streaming Mode (for music production), and Pro Audio Mode (for 96kHz/24bit high-resolution recording).

- **Mobile Mode:** Optimized for mobile/game streaming, requiring no extra software.
- **Live Streaming Mode:** Built-in intelligent processing enhances live broadcasts.
- **Pro Audio Mode:** Designed for 96kHz/24bit high-resolution recording, capturing subtle audio details.

5.4 Multi-Source Mixing and PC Synchronization

The M62 allows for flexible audio routing and mixing, including synchronizing smartphone streams with PC audio.

Versatile Backing Track Input

Easily connect backing tracks via Bluetooth or AUX.
Multi-source compatibility through OTG/BT/AUX, powered by Qualcomm technology, supporting AAC/SBC/aptX/aptX-low latency/aptX-HD Bluetooth protocols for lossless Hi-Fi audio quality.



Image: The TOPPING M62 connected to both a smartphone and a PC, demonstrating how to optimize smartphone live streams with PC synchronization using DAW software for vocal clarity.

6. CONNECTIVITY OPTIONS

The M62 offers diverse connectivity to integrate with various devices.

- **USB-C:** For high-speed digital audio connection to computers (PC/Mac).
- **OTG:** On-The-Go connection for direct digital audio with compatible smartphones and tablets.
- **Bluetooth:** Supports aptX-HD, aptX-LL, AAC, and SBC codecs for high-quality wireless audio input.

- **AUX:** 3.5mm analog input for connecting external audio sources.

7. BATTERY AND POWER MANAGEMENT

The M62 is equipped with a robust 5000mAh battery for extended portable use.

- **Battery Life:** Up to 8.5 hours when using dynamic microphones, and up to 6.5 hours when using dual condenser microphones (due to 48V phantom power consumption).
- **Charging:** Charge the device via the dedicated USB-C power port. The charging indicator will show the battery status.
- It is recommended to fully charge the device before critical recording sessions.

8. SPECIFICATIONS

Feature	Detail
Item Weight	1.1 pounds
Package Dimensions	7.48 x 6.69 x 1.97 inches
Item Model Number	M62
Color Name	Pink
Compatible Devices	Guitar, Headphone, Microphone, Personal Computer, Smartphone
Supported Software	DAW software (wide range compatible), Generic drivers for supported OS
Operating System	Android, Windows, iOS, macOS
Connectivity Technology	AUX, Bluetooth, USB
Number of Channels	2

9. OFFICIAL PRODUCT VIDEO

Watch the official product video for a visual guide to the TOPPING M62 Portable Audio Interface's features and usage scenarios.

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Video: An overview of the TOPPING M62 audio interface, demonstrating its features and applications in various recording and streaming environments.

10. TROUBLESHOOTING

If you encounter issues with your TOPPING M62, please refer to the following common troubleshooting steps:

- **No Power:** Ensure the USB-C power cable is securely connected and the power switch is in the 'On' position. Check if the power adapter is functioning correctly.
- **No Sound Output:** Verify that the monitor volume is turned up and headphones/speakers are connected

correctly. Check your computer's sound settings to ensure the M62 is selected as the output device.

- **No Input Signal:** Confirm microphones/instruments are properly connected and gain knobs are adjusted. For condenser microphones, ensure 48V phantom power is activated. Check input selection in your recording software.
- **Distorted Audio:** Reduce input gain to prevent clipping. Check cable connections for any damage.
- **Connectivity Issues:** For USB-C connections, try a different USB port or cable. For OTG, ensure your mobile device supports OTG and the cable is compatible. For Bluetooth, ensure the M62 is in pairing mode and within range.

If problems persist, consult the TOPPING support website or contact customer service for further assistance.

11. WARRANTY AND SUPPORT

The TOPPING M62 Portable Audio Interface comes with a standard manufacturer's warranty. Please retain your proof of purchase for warranty claims.

- **Warranty Period:** Refer to the warranty card included with your product or the official TOPPING website for specific warranty duration and terms.
- **Technical Support:** For technical assistance, driver downloads, or firmware updates, visit the official TOPPING support page.
- **Customer Service:** If you require further help, please contact TOPPING customer service through their official channels.