M-AUDIO®

M-TRACK PLUS

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Introduction

Box Contents

M-Track Plus (MKII)
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Safety & Warranty Manual

Support

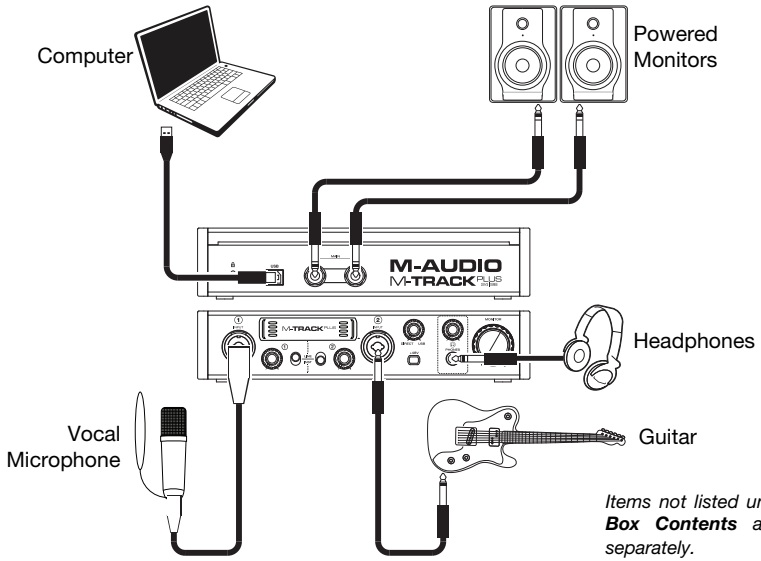
For the latest information about this product (system requirements, compatibility information, etc.) and product registration, visit **m-audio.com**.

For additional product support, visit **m-audio.com/support**.

Quick Start / Connection Diagram

Windows users: Before connecting M-Track Plus to your computer, install the drivers:

1. Go to **m-audio.com/drivers** and download the latest M-Track Plus driver for your operating system.
2. Open the file you downloaded and double-click the driver installer file.
3. Follow the on-screen instructions to install the drivers. (You may be asked to connect M-Track Plus to your computer during the installation process.)



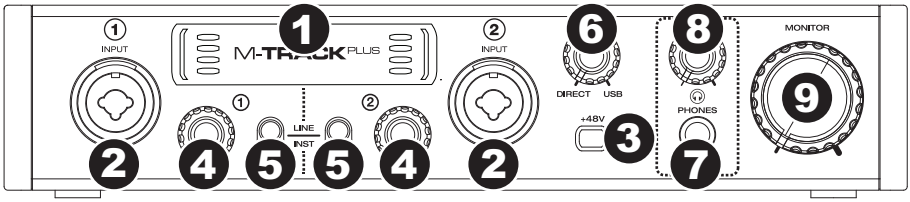
*Items not listed under the **Box Contents** are sold separately.*

Note:

- Remember to select **M-Track Plus** as your interface in the **Preferences**, **Options**, **Device Setup**, etc. in your digital audio workstation (DAW).
- When recording a microphone or a guitar or bass with an active pickup, set the **Instrument Selector** to **Line**. If your instrument uses a passive pickup, set the selector to **Inst**.
- Use the **+48V Switch** only if a microphone requires phantom power. Dynamic microphones and ribbon microphones do not require phantom power, but most condenser microphones do. Consult your microphone's documentation to find out whether it needs phantom power.

Features

Front Panel



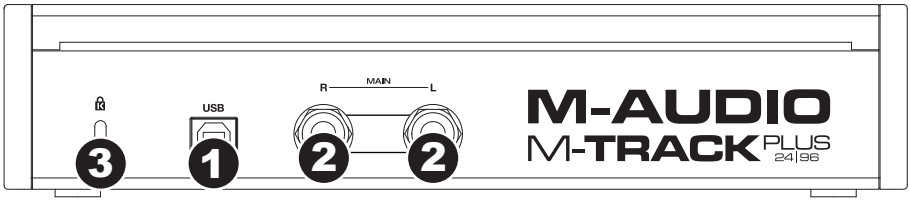
1. **Display:** This display shows the signal level of the inputs. The edges of the display will light up when M-Track Plus is powered on.
2. **Inputs 1 and 2:** Connect microphones, line-level devices, or guitars to these inputs with an XLR or 1/4" (6.35 mm) TRS or TS cable. For microphones, use an XLR cable. For line-level signals, use a 1/4" (6.35 mm) TRS cable. For instrument signals, use a 1/4" (6.35 mm) TS cable. View the input signal levels in the display.
3. **+48V Switch:** This switch activates and deactivates phantom power for Inputs 1 and 2. When activated (lit), phantom power supplies +48V to the XLR mic inputs. Please note that dynamic microphones and ribbon microphones do not require phantom power, while most condenser microphones do. Consult your microphone's documentation to find out whether it needs phantom power.
4. **Input Gain:** Adjusts the input's gain level. Set this knob so the corresponding level meter in your DAW displays a "healthy" level during performance—but not so high that the meter "clips" or peaks, causing distortion in the audio.
5. **Instrument Selector:** When the switch is in the **Line** position, the input will accept microphone- or line-level signals. When this switch is in the **Inst** position, the input will serve as a high-impedance input for connecting guitar or bass instruments.
6. **Monitor Mix:** Blends any amount of zero-latency signal from all your inputs (**Direct**) with the output of your computer (**USB**).

   This knob is useful during recording when dealing with the "buffer size" and "latency." The computer takes a short amount of time to process the incoming audio before sending it back out; this time is determined by the buffer size setting. Latency is the resulting delay between the incoming sound (playing your instrument, singing, etc.) and outgoing sound (when you hear it in the DAW). Higher buffer sizes result in higher latency.

   If your computer is powerful enough, you may be able to set your buffer size low enough such that you may never need direct monitoring. In this case, set the knob all the way to the **USB** position to monitor only the audio output of your DAW.

   In other cases, though, low buffer sizes can consume a lot of your computer's CPU and cause audio glitches, so you may need to use a higher buffer setting, resulting in latency. In this case, use a higher buffer size and turn the knob more towards the **Direct** position to monitor your incoming signal without latency. When listening to the playback, turn it all the way to the **USB** position.
7. **Headphone Output:** Connect 1/4" (6.35 mm) TRS headphones to this output. The mix you hear from this output will be determined by the **Monitor Mix** knob.
8. **Headphone Volume:** Adjusts the output volume of the **Headphone Output**.
9. **Monitor Level:** Adjusts the output volume of **Main Outputs L and R**, which should be connected to your powered monitors or amplifier system.

Rear Panel



1. **USB Port:** This connection will allow you to send audio to/from a computer. Use a USB cable to connect the M-Track Plus to a computer. The M-Track Plus requires a USB 2.0 connection.
2. **Main Outputs L and R:** Use standard 1/4" (6.35 mm) TRS cables to connect these outputs to your powered monitors, an amplifier system, etc. Their levels are controlled by the **Monitor Level** knob.
3. **Kensington Lock Slot:** You can use this Kensington lock slot to secure M-Track Plus to a table or other surface.

Appendix (English)

Technical Specifications

All specifications are measured at 20 kHz bandwidth. Specifications are subject to change without notice.

Mic Inputs 1–2 (balanced XLR)	
Frequency Response	20 Hz – 20 kHz (±0.1 dB)
Dynamic Range	104 dB (A-weighted)
Signal-to-Noise Ratio	104 dB (1 kHz, +1.4 dBu, A-weighted)
THD+N	0.003% (1 kHz, +2 dBu input, -0.8 dBFS)
Preamp EIN	-133 dBu (max gain, 40 Ω source, A-weighted) -126 dBu (max gain, 150 Ω source, unweighted)
Sensitivity	-53 dBu
Gain Range	55 dB

Line Inputs 1–2 (balanced 1/4" [6.35 mm] TRS)	
Frequency Response	20 Hz – 20 kHz (±0.1 dB)
THD+N	0.004% (1 kHz, -1 dBFS)
Sensitivity	-43 dBu
Gain Range	55 dB

Inst Inputs 1–2 (unbalanced 1/4" [6.35 mm] TS)	
Frequency Response	20 Hz – 20 kHz (±0.1 dB)
THD+N	0.022% (1 kHz, -1 dBFS)
Sensitivity	-47 dBu
Input Impedance	1 MΩ
Gain Range	55 dB

Main Outputs, L and R (impedance-balanced 1/4" [6.35 mm] TRS)	
Frequency Response	20 Hz – 20 kHz (±0.3 dB)
Dynamic Range / Signal-to-Noise Ratio	102 dB (A-weighted)
THD+N	0.008% (1 kHz, -1 dBFS)
Max Output Level	+2.86 dBu

General	
Power	USB-bus-powered
Dimensions (width x depth x height)	9.4" x 4.8" x 2.1" / 23.9 cm x 12.2 cm x 5.3 cm
Weight	2.4 lbs. / 1.1 kg

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