M-AUDIO®

M-TRACK DUO HD
PRODUCER PACK

User Guide

(1.1) Box Contents

M-Track Duo HD

USB-C to USB-C Cable

M100 Condenser Microphone

XLR Cable

Zipper Bag

Mic Stand Mount

HDH41 Headphones with 1/4” (6.35 mm) adapter

Software Download Card

Quickstart Guide

Safety & Warranty Manual

(1.2) 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.

(2.1) Quick Start

macOS users: No driver installation is needed for class-compliant operation with M-Track Duo HD. See the steps below to download the included software.

iOS users: The power available from an iOS device is not sufficient to power M-Track Duo HD. Use the Apple Camera Connection Kit (sold separately), a USB break-out cable (sold separately), and a USB power adapter (sold separately) which will provide an additional USB connector to power M-Track Duo HD.

Windows users: Before connecting M-Track Duo HD to your computer, make sure to first install the Windows drivers as detailed below.

Downloading Drivers and Software:

1. Sign in to your inMusic account at profile.inmusicbrands.com. If you do not have an inMusic Brands Profile yet, you will be prompted to create one.
2. Once logged in, follow the prompts to register your product.
3. Once registered, in the **Downloads** section you can download and install the latest **M-Track Duo HD** driver and software.

To set M-Track Duo HD as your default playback device, follow the directions below based on your computer's operating system:

Driver Setup

Windows 11:

1. Use the included USB cable to connect the M-Track Duo HD to your computer.
   In the Taskbar, locate the **Volume Control** "speaker" icon. Right-click the speaker and open **Sound Settings > Sounds**, then select **More sound settings**.
   Alternatively, go to **Start Menu > Settings (System) > Sound** and then select **More sound settings**.
2. In the **Windows Sound** control panel, select the **Playback** tab and select **M-Track Duo HD** as the default device.
3. Click the **Recording** tab and select **M-Track Duo HD** as the default device.
4. Click **Properties** in the lower right-hand corner.
5. In the new window, click the **Advanced** tab and select **2-channel, 16-bit, 48000 Hz (Studio Quality)** as the default format.
6. Uncheck both boxes under **Exclusive Mode**.
7. Click **OK** to close the Properties window.
8. Click **OK** to close the Sound control panel.

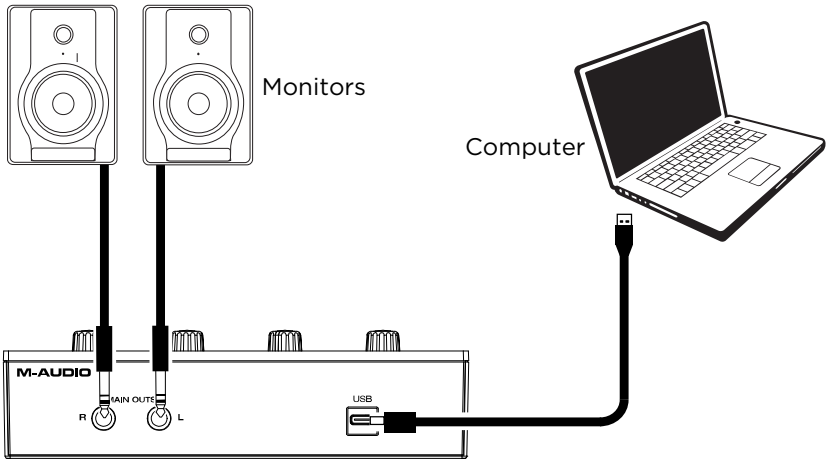
macOS:

Note: No driver installation is needed for macOS class-compliant operation with M-Track Duo HD.

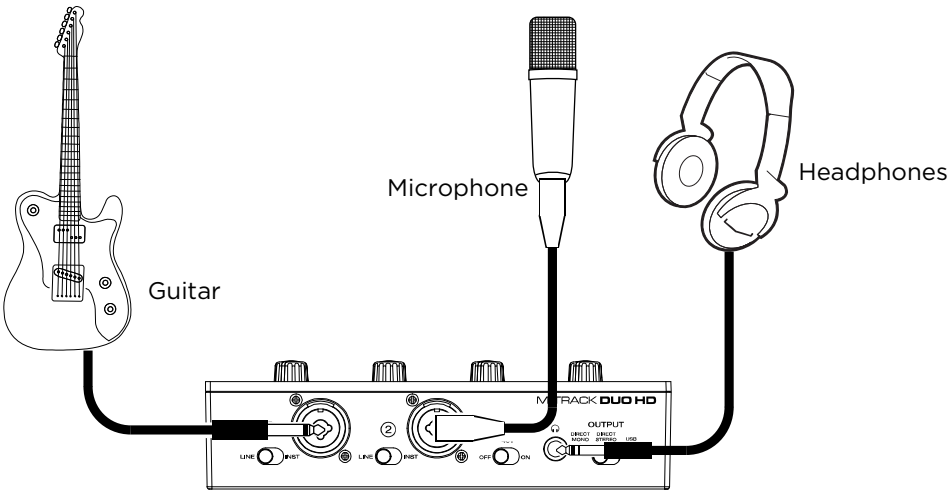
1. Use the included USB cable to connect the M-Track Duo HD to your computer.
2. Go to **Applications > Utilities > Audio MIDI Setup**.
3. In the **Audio Devices** window, select **USB Audio Codec** in the left column.
4. Right-click **USB Audio Codec**, and select **Use this device for sound input**.
5. Right-click **USB Audio Codec**, and select **Use this device for sound output**.
6. Quit Audio MIDI Setup.

(2.2) Connection Diagram

Items not listed under *Introduction > Box Contents* are sold separately.



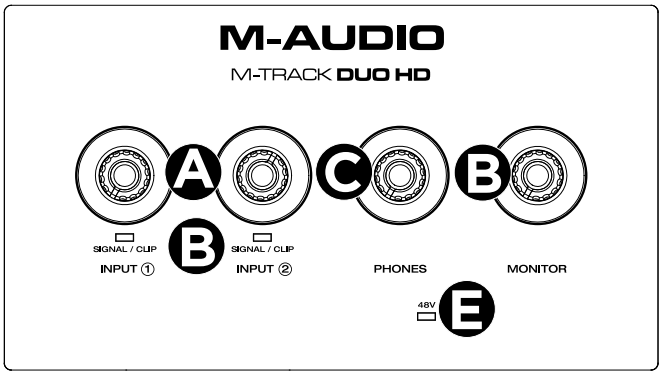
Rear Panel



Front Panel

Note: Use the **+48V (Phantom Power) Switch** only if a microphone requires phantom power. Most 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.

(3.1) Top Panel



A. **Input Gain**

Adjusts the input's gain level. Set this knob so the corresponding **Signal/Clip LED** (located below the knob) displays a "healthy" level during performance—but not so high that the LED "clips" or peaks, causing distortion in the audio.

B. **Signal/Clip LED**

The LED will light up white when an input signal is detected. The LED will light up red if the signal level is too high which may cause distortion or “clipping”. If this occurs, turn down the **Input Gain** and/or reduce the output level from your sound source.

C. **Headphone Level**

Adjusts the output volume of the **Headphone Output**.

D. **Monitor Level**

Adjusts the output volume of **Main Outputs**, which should be connected to your powered monitors or amplifier system.

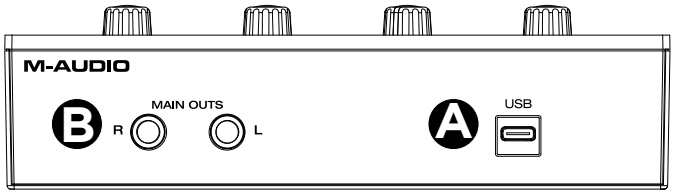
E. **Phantom Power LED**

Lights up when +48V phantom power is engaged.

(3.2) Rear Panel

A. **USB Port (Type C)**

This connection will allow you to send audio to and from a computer. Use the included USB-C to USB-C cable to connect the M-Track Duo HD to a computer.



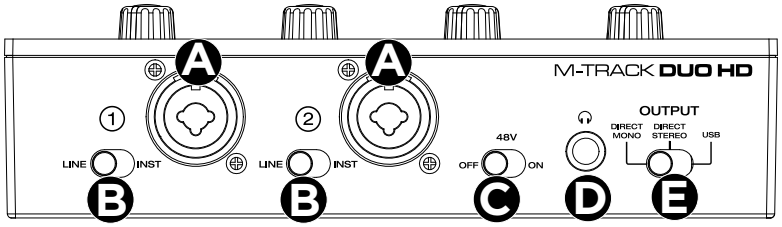
B. **Main Outputs**

Use standard 1/4" (6.35 mm) TRS cables to connect these outputs to your powered monitors, amplifier system, etc. The mix you hear from these outputs will be determined by the **Direct Mono/Direct Stereo/USB Switch**. The level of these outputs is controlled by the **Monitor Level** knob.

(3.3) Front Panel

A. Combo Input

Connect a microphone, a guitar or bass with an active pickup, or a line-level device to this input. For microphones, use an XLR or 1/4” (6.35 mm) TRS cable. For a guitar or bass with an active pickup, use a standard 1/4” (6.35 mm) TS cable. For line-level signals, use a 1/4" (6.35 mm) TRS cable.



B. Line/Instrument Switch

Set the switch to **Line** when connecting a microphone, or keyboard. Set the switch to **Instrument** when connecting a guitar or bass.

C. Phantom Power Switch

This switch activates and deactivates phantom power. When activated (Phantom Power Switch lit), phantom power supplies +48 volts to the **Combo Input**. Please note that most 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.

D. 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 **Direct Mono/Direct Stereo/USB Switch**. The level of this output is controlled by the **Headphone Level** knob.

E. Direct Mono/Direct Stereo/USB Switch

This switch controls whether or not the mono direct input signal, the stereo direct input signal, or the USB stream return signal is sent to the **Headphone Output** and **Main Outputs**.

- When set to **USB**, only the USB audio playback from your computer will be heard.
- Set the switch to **Direct Mono** to monitor the direct input signal with all inputs summed and heard equally on each side. This is useful for monitoring a guitar or vocal mic signal. This switch does not affect the DAW playback or how your sound is recorded into your DAW; it only affects how you hear the input signal in the **Headphone Output** and **Main Outputs**.
- Set the switch to **Direct Stereo** to monitor the direct input signal with **Input 1** in the left channel and **Input 2** in the right channel. This is useful if you want to directly monitor a stereo mic setup such as a stereo signal from a keyboard, or overhead drum mics.

(4.1) Technical Specifications

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

Mic Input (balanced XLR)	
Frequency Response	20 Hz – 20 kHz (±0.1 dB)
Signal-to-Noise Ratio	109 dB (A-weighted)
THD+N	0.003% (min. gain, 0 dBu out, A-weighted)
Preamp EIN	-128 dBu (max. gain, 40 Ω source, A-weighted)
Gain Range	Direct Mono: 0 dB to +54 dB Direct Stereo: 6 dB to +60 dB

Line Input (balanced 1/4" [6.35 mm] TRS)	
Frequency Response	20 Hz – 20 kHz (±0.1 dB)
Sensitivity	-43 dBu
THD	0.002% (min. gain, 0 dBu out, A-weighted)
Gain Range	Direct Mono: -10 dB to +44 dB Direct Stereo: -4 dB to +50 dB

Instrument Input (unbalanced 1/4" [6.35 mm] TS)	
Frequency Response	20 Hz – 20 kHz (±0.1 dB)
THD+N	0.005% (min. gain, 0 dBu out, A-weighted)
Input Impedance	1 MΩ
Gain Range	Direct Mono: -10 dB to +44 dB Direct Stereo: -4 dB to +50 dB

Main Outputs, L and R (impedance-balanced 1/4" [6.35 mm] TRS)	
Frequency Response	20 Hz – 20 kHz (±0.1 dB)
Signal-to-Noise Ratio	109 dB (A-weighted)
THD	0.002% (0 dBu out, A-weighted)
Max Output Level	+4 dBu

Headphone Output (1/4" [6.35 mm] TRS)	
Power	60 mW/Ch, 32 Ω
Frequency Response	20 Hz – 20 kHz (±0.5 dB)
THD+N	0.02% (A-weighted)
Signal-to-Noise Ratio	100 dB (A-weighted)

General	
Power	USB bus-powered
Dimensions (width x depth x height)	7.5" x 4.4" x 2.1" / 191 x 111 x 55 mm
Weight	3.0 lbs / 1.34 kg

(4.2) Trademarks and Licenses

M-Audio is a trademark of inMusic Brands, Inc., registered in the U.S. and other countries.

Windows is a registered trademark of Microsoft Corporation in the United States and other countries.

Macintosh and macOS are trademarks of Apple Inc., registered in the U.S. and other countries.

All other product or company names are trademarks or registered trademarks of their respective owners.

M-AUDIO®

Manual Version 1.0