

M-AUDIO®

air
192|14

User Guide

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User Guide (English)

Introduction

Thank you for purchasing the AIR 192|14. At M-Audio, we know how serious music is to you. That's why we design our equipment with only one thing in mind—to make your performance the best it can be.

Box Contents

AIR 192|14
Power Adapter
USB-C to USB-C Cable
USB-C to USB-A Cable
(2) 1/8" (3.5 mm) to MIDI Adapters
Software Download Cards
User Guide
Safety & Warranty Manual

Support

For the latest information about this product (documentation, technical specifications, system requirements, compatibility information, etc.) and product registration, visit [m-audio.com](https://www.m-audio.com).

For additional product support, visit [m-audio.com/support](https://www.m-audio.com/support).

Setup

Audio Setup

Windows users: Before connecting AIR 192|14 to your computer, install the driver:

1. Go to [m-audio.com/drivers](https://www.m-audio.com/drivers) and download the latest AIR 192|14 driver for your operating system.
2. Open the file you downloaded and double-click the driver installer file.
3. Read the End-User License Agreement, then check the box to Agree and click **Next** to continue.
4. Click **Install** to begin the installation. You may be asked to connect AIR 192|14 to your computer during the installation process. Click **Install** on any further system messages during the installation.
5. Once the installation is complete, click **Finish**.

To use the Windows driver, open the **M-Audio AIR 192|14 Control Panel**. Here, you can set your **Preferred Buffer Size** and **Sample Rate**.

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To set AIR 192|14 as your default playback device, follow the directions below based on your computer's operating system.

Windows:

1. Use the included USB cable to connect the AIR 192|14 to your computer. Press the **power button** to power on AIR 192|14.
2. In the Taskbar, locate the **Volume Control** "speaker" icon. Right-click the speaker and select **Playback Devices**.
Alternatively, go to **Start Menu > Control Panel** (or **Settings > Control Panel** in Classic View) **> Hardware and Sound > Sound**.
3. In the **Windows Sound** control panel select the **Playback** tab and select **AIR 192|14** as the default device.
4. Click the **Recording** tab and select **AIR 192|14** as the default device.
5. Click **Properties** in the lower right-hand corner.
6. In the new window, click the **Advanced** tab and select **2-channel, 24-bit, 48000 Hz (Studio Quality)** as the default format.
7. Uncheck both boxes under **Exclusive Mode**.
8. Click **OK** to close the Properties window.
9. Click **OK** to close the Sound control panel.

macOS:

1. Use the included USB cable to connect the AIR 192|14 to your computer. Press the **power button** to power on AIR 192|14.
2. Go to **Applications > Utilities > Audio MIDI Setup**.
3. In the **Audio Devices** window, select **AIR 192|14** in the left column.
4. Right-click **AIR 192|14**, and select **Use this device for sound input**.
5. Right-click **AIR 192|14**, and select **Use this device for sound output**.
6. Quit Audio MIDI Setup.

Setting Up AIR 192|14 with Your Software

Setting Up AIR 192|14 with Pro Tools | First M-Audio Edition

1. Use the included USB cable to connect the AIR 192|14 to your computer.
2. Open Pro Tools | First M-Audio Edition.
3. Go to **Setup > Playback Engine...**
4. Open the **Playback Engine** dropdown menu and select **M-Audio AIR 192|14**.

Note: You may need to save and restart your project.

5. Select your **Sample Rate** and then click **OK** to close the Setup window.
6. Go to the **Setup > I/O** and select **M-Audio AIR 192|14** for the **Input** and **Output** devices.

You can now add tracks to send and receive audio and MIDI from sources connected to AIR 192|14 inputs and stream recorded audio back through the AIR 192|14 outputs.

Setting Up AIR 192|14 with Ableton Live Lite

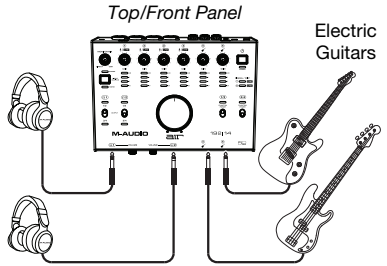
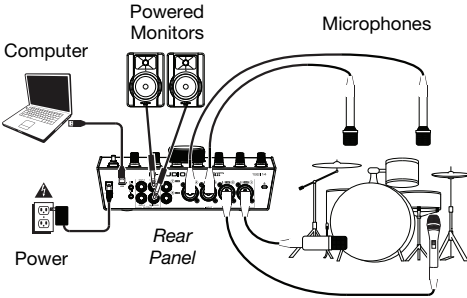
1. Use the included USB cable to connect the AIR 192|14 to your computer.
2. Open Ableton Live Lite.
3. Go to **Preferences > Audio** tab.
4. Click on **Driver Type** to select **CoreAudio** (Mac) or **ASIO** (Windows).
5. Select **AIR 192|14** in the **Input** and **Output Config** section.
6. Select your **Sample Rate** and then close the audio preferences window.

You can now add tracks to send and receive audio and MIDI from sources connected to AIR 192|14 inputs and stream recorded audio back through the AIR 192|14 outputs.

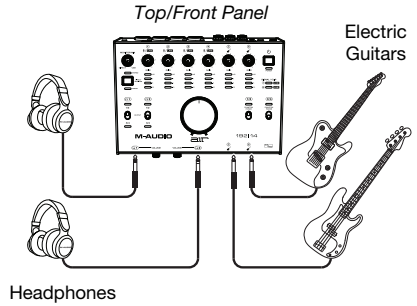
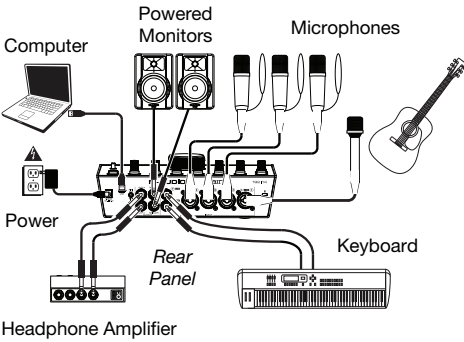
Connection Diagrams

Items not listed under [Introduction > Box Contents](#) are sold separately.

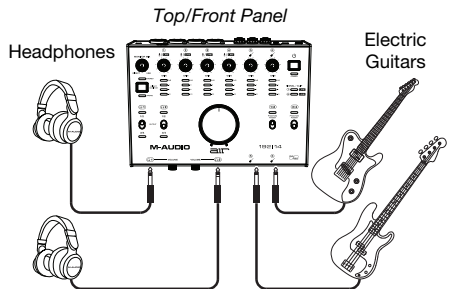
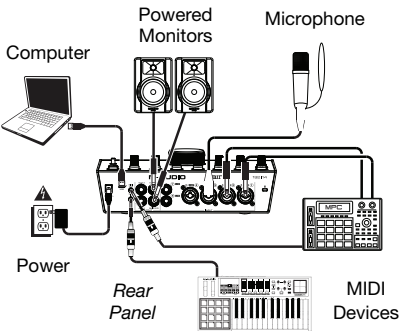
Example 1



Example 2



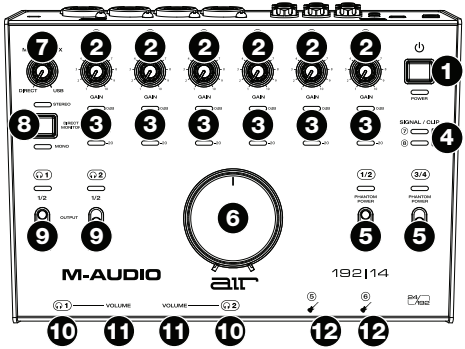
Example 3



Features

Top Panel

- Power Button:** Press this button to power the AIR 192|14 on or off. The Power LED below this button lights up when the unit is powered on.
- Input Gain:** Adjusts the input's gain level. Set this knob so the corresponding **LED Meter** (located below the knob) displays a "healthy" level (yellow LED is lit) during performance—but not so high that the meter frequently "clips" or peaks (red LED is lit), causing distortion in the audio.



- LED Meters (Inputs 1-6):** Indicates the input signal level from the **Combo Inputs and Instrument Inputs**.
- LED Meters (Inputs 7-8):** Indicates the input signal level from the **Line Inputs**. These LEDs are green when a signal above -20 dBFS is present, and turn red when the signal "clips" or peaks.
- +48 V (Phantom Power) Switches:** These switches activate and deactivate phantom power for **Combo Inputs 1-2 or 3-4**. When activated, phantom power supplies +48 volts to the selected inputs. 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.
- Monitor Level:** Adjusts the output volume of **Main Outputs**, which should be connected to your powered monitors or amplifier system.
- Monitor Mix:** Adjusts the mix of the audio signal from your inputs (**Direct**) and the audio output of your computer (**USB**) that will be sent to the **Main Outputs and Headphone Outputs**.

Note: When set to **Direct**, the left channel will be a sum of **Inputs 1, 3, 5, and 7** and the right channel will be a sum of **Inputs 2, 4, 6, and 8**. You can sum these left and right channels (to hear all inputs as a single summed mono signal) by putting the **Direct Monitor** button in its depressed position.

This knob is useful for dealing with "latency" when you are recording in your DAW. Latency is a delay in sound that may occur between the incoming sound (playing your instrument, singing, etc.) and outgoing sound (when you hear it in the DAW).

Latency is often the result of the "buffer size" setting, which is usually located in your DAW's Preferences, Options, or Device Setup menu. Higher buffer sizes generally result in higher latency. In some cases, lower buffer size settings can consume a lot of your computer's CPU and cause audio glitches. To prevent these audio glitches, you will need to use a higher buffer setting, and this may result in latency.

If you are experiencing latency when recording, adjust the knob towards the **Direct** position to increase the blend of unprocessed audio from your inputs directly to your **Main Outputs and Headphone Outputs**. This will let you hear the incoming audio from your inputs without latency while still being able to hear the audio from your DAW. When listening to the playback, adjust the knob all the way to the **USB** position.

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

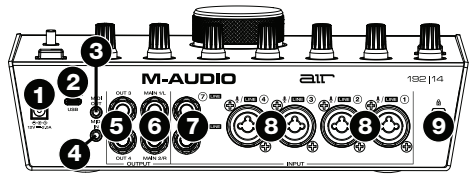
8. **Direct Monitor Selector:** Leave this switch in the raised position (blue **Stereo** LED is lit) to monitor the direct input signal with **Inputs 1, 3, 5, and 7** in the left channel and **Inputs 2, 4, 6, and 8** in the right channel. This is useful if you want to directly monitor a stereo mic setup such as a stereo signal from a keyboard, or overhead drum mics. Put this switch in its depressed position (green **Mono** LED is lit) 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 affects only how you hear the input signal in the **Headphone Outputs** (when the **Headphone Source Selector** is set to **1/2**, and the **Monitor Mix** is set to anything besides **USB**) and **Monitor Outputs**.
9. **Headphone Source Selector:** These switches select which outputs (on the rear panel) are also sent to the Headphone Outputs: **Main Outputs 1–2 (1/2)** or **Outputs 3–4 (3/4)**.
10. **Headphone Outputs** (front panel): Connect 1/4" (6.35 mm) TRS headphones to these outputs. The mix you hear from these outputs will be determined by the **Headphone Source Selector**, **Monitor Mix** knob, **Direct Monitor Selector**, and associated **Headphone Volume** knob.
11. **Headphone Volume** (front panel): Adjusts the output volume of the **Headphone Outputs**.
12. **Instrument Inputs (5–6)** (front panel): Connect a guitar with a passive pickup or other high-impedance signal to these inputs with a 1/4" (6.35 mm) TS cable. View the input signal levels with the **LED Meters (Inputs 5–6)**.

Rear Panel

1. **Power:** Connect the included power adapter to this input. Use the **Power Button** to turn AIR 192|14 on or off.
2. **USB Port (Type C):** This connection will allow you to send audio and MIDI data to and from a computer. Use the included USB-C-to-USB-C or USB-C-to-USB-A cables to connect the AIR 192|14 to a computer. The AIR 192|14 requires a USB 2.0 connection (or higher).
3. **MIDI Out:** Use the included 1/8" (3.5 mm)-to-MIDI adapter and a standard five-pin MIDI cable to connect this MIDI Out to the MIDI In of an external MIDI device (e.g., a synthesizer, sequencer, drum machine, etc.).

Important: Do not connect audio devices (e.g., headphones, monitors, etc.) to this jack. Use the included 1/8"-to-MIDI adapter to connect MIDI devices only.
4. **MIDI In:** Use the included 1/8" (3.5 mm)-to-MIDI adapter and a standard five-pin MIDI cable to connect this MIDI In to the MIDI Out of an external MIDI device (e.g., a MIDI controller).

Important: Do not connect audio devices (e.g., headphones, monitors, etc.) to this jack. Use the included 1/8"-to-MIDI adapter to connect MIDI devices only.
5. **Outputs (3–4):** Use standard 1/4" (6.35 mm) TRS cables to connect these line outputs to a headphone amplifier, external signal processors like a compressor, etc. Their levels are automatically **+4 dBu**.
6. **Main Outputs (1–2):** 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 **Monitor Mix** knob and **Direct Monitor** button. The level of these outputs is controlled by the **Monitor Level** knob.
7. **Line Inputs (7–8):** Connect mixers and other line-level devices to these inputs using standard 1/4" (6.35 mm) TRS cables. View the input signal levels with the **LED Meters (Inputs 7–8)**.
8. **Combo Inputs (1–4):** Connect microphones, a guitar or bass with an active pickup, or line-level devices to these inputs. 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" TS cable. For line-level signals, use a 1/4" TRS cable. View the input signal levels with the **LED Meters (Inputs 1–4)**.
9. **Kensington Lock Slot:** You can use this Kensington lock slot to secure AIR 192|14 to a table or other surface.



Appendix (English)

Technical Specifications

All specifications are measured at 20 kHz bandwidth.

Mic Inputs 1–4 (balanced XLR)	
Dynamic Range	113 dB (A-weighted)
THD+N	0.001% (1 kHz, +4 dBu, -1 dBFS)
Frequency Response	20 Hz – 20 kHz (+/-0.2 dB)
Preamp EIN	-137 dBu (40 Ω source, A-weighted) -129 dBu (150 Ω source, unweighted)
Max Input Level	+14 dBu
Gain Range	62 dB

Line Inputs 1–4 (balanced 1/4" TRS)	
Dynamic Range	113 dB (A-weighted)
THD+N	0.001% (1 kHz, +4 dBu, -1 dBFS)
Frequency Response	20 Hz – 20 kHz (+/-0.1 dB)
Max Input Level	+30 dBu
Gain Range	61 dB

Inst Inputs 5-6 (unbalanced 1/4" TS)	
Dynamic Range	110 dB (A-weighted)
THD+N	0.001% (1 kHz, +4 dBu, -1 dBFS)
Frequency Response	20 Hz – 20 kHz (+/-0.1 dB)
Max Input Level	+16 dBu
Gain Range	59 dB
Input Impedance	~1 M Ω

Fixed Line Inputs 7–8 (balanced 1/4" TRS)	
Dynamic Range	113 dB (A-weighted)
THD+N	0.001% (1 kHz, +4 dBu, -1 dBFS)
Frequency Response	20 Hz – 20 kHz (+/-0.1 dB)
Max Input Level	+17 dBu

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Line Outputs 1–2 (balanced 1/4" TRS)	
Dynamic Range	112 dB (A-weighted)
THD+N	0.002% (1 kHz, -1 dBFS)
Frequency Response	20 Hz – 20 kHz (+/-0.2 dB)
Maximum Output Level	+17 dBu

Fixed Line Outputs 3–4 (balanced 1/4" TRS)	
Dynamic Range	113 dB (A-weighted)
THD+N	0.002% (1 kHz, -1 dBFS)
Frequency Response	20 Hz – 20 kHz (+/-0.2 dB)
Maximum Output Level	+17 dBu

Headphone Outputs (stereo 1/4")	
Dynamic Range	111 dB (A-weighted, 32 Ω load)
THD+N	0.002% (1 kHz, -1 dBFS, 10 mW/channel into 32 Ω load)
Frequency Response	20 Hz – 20 kHz (+/-0.2 dB)
Maximum Power Delivered	160mW (<1% THD, 32 Ω load)
Maximum Output Level	+15 dBu (unloaded)
Impedance Range	32 Ω – 600 Ω

General	
Other Connectors	(1) 1/8" (3.5 mm) MIDI input (1) 1/8" (3.5 mm) MIDI output (1) USB Type-C port (1) Power adapter input
Power Adapter	12 VAC, 2 A, center-positive (included)
Dimensions (width x depth x height)	3.24" x 10.2" x 7.44" 8.22 x 25.9 x 18.9 cm
Weight	3.9 lbs. 1.8 kg

Specifications are subject to change without notice.

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