

## Arturia MiniFuse 1 - 001

# Arturia MiniFuse 1 User Manual

Portable 1x2 USB Type-C Audio Interface

## INTRODUCTION

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This manual provides comprehensive instructions for the setup, operation, and maintenance of your Arturia MiniFuse 1 Portable 1x2 USB Type-C Audio Interface. Please read this manual thoroughly before using the device to ensure proper functionality and to maximize your experience.

The Arturia MiniFuse 1 is designed to facilitate high-quality audio recording and playback for musicians, podcasters, and content creators. It features a single mic/line/instrument preamp, USB-C connectivity, and essential monitoring options.

## PACKAGE CONTENTS

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Figure 1: Arturia MiniFuse 1 and included accessories.

This image displays the Arturia MiniFuse 1 audio interface, a USB-C to USB-A cable for connection to a computer, a 20 ft. XLR cable for microphone connection, and a cleaning cloth. These items are typically included in the product package.

Verify that all items are present in your package:

- Arturia MiniFuse 1 Audio Interface (White)
- USB-C to USB-A Cable
- 20 ft. XLR Cable
- Cleaning Cloth
- Quick Start Guide (digital version available online)

## DEVICE OVERVIEW

### Front Panel



Figure 2: MiniFuse 1 Front Panel Controls.

This image shows the front panel of the Arturia MiniFuse 1. From left to right, it features a combo XLR/TRS input jack, a Gain knob with an instrument/line input switch, a 48V phantom power button, an LED meter for input levels, a large Monitor volume knob, a Direct Monitor button, and a 1/4-inch headphone output with its own volume knob.

- **INPUT (Combo XLR/TRS Jack):** Connect microphones (XLR) or line-level/instrument sources (1/4" TRS/TS).
- **GAIN Knob:** Adjusts the input level for the connected microphone or instrument.
- **48V Button:** Activates +48V phantom power for condenser microphones. An LED indicates when it's active.
- **LED Meter:** Displays input signal levels (L/R).
- **MONITOR Knob:** Controls the overall output volume for your studio monitors.
- **DIRECT MONITOR Button:** Enables direct monitoring of your input signal with zero latency.
- **HEADPHONE Output (1/4" TRS Jack):** Connect your headphones.
- **HEADPHONE Volume Knob:** Adjusts the volume for the headphone output.

## Rear Panel



Figure 3: MiniFuse 1 Rear Panel Connections.

This image shows the rear panel of the Arturia MiniFuse 1. It includes the USB-C port for connecting to a computer and for power, a USB-A hub port for connecting other USB devices, and left (L) and right (R) 1/4-inch TRS output jacks for connecting to studio monitors.

- **USB-C Port:** Connects the MiniFuse 1 to your computer for data and power.
- **HUB (USB-A Port):** A built-in USB 2.0 hub for connecting additional USB devices, such as MIDI controllers.
- **OUTPUTS (L/R 1/4" TRS Jacks):** Connect these to your studio monitors or other playback systems.

## SETUP

### System Requirements

- **Operating System:** Windows 10 (64-bit) or higher, macOS 10.13 (High Sierra) or higher.
- **Processor:** Intel Core i5 or equivalent.
- **RAM:** 4 GB RAM (8 GB recommended).
- **USB Port:** Available USB 2.0 or higher port (USB-C recommended for direct connection).

### Driver Installation

1. Visit the official Arturia website ([www.arturia.com/support/downloads](http://www.arturia.com/support/downloads)).
2. Navigate to the "MiniFuse 1" product page.
3. Download the latest drivers for your operating system.
4. Run the installer and follow the on-screen instructions.
5. Restart your computer if prompted.

## Hardware Connection

1. Connect the MiniFuse 1 to your computer using the supplied USB-C to USB-A cable. The device is bus-powered, meaning it draws power directly from the USB connection.
2. Connect your studio monitors to the **OUTPUTS (L/R)** on the rear panel using 1/4" TRS cables.
3. Connect your headphones to the **HEADPHONE Output** on the front panel.
4. Connect your microphone to the **INPUT** combo jack using an XLR cable, or your instrument/line source using a 1/4" TS/TRS cable.
5. (Optional) Connect a MIDI controller or other USB device to the **HUB** USB-A port on the rear panel.

## OPERATING INSTRUCTIONS

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### Input Level Adjustment

- Ensure your microphone or instrument is connected to the **INPUT**.
- If using a condenser microphone, press the **48V** button to activate phantom power.
- Speak into the microphone or play your instrument while observing the **LED Meter**.
- Adjust the **GAIN** knob until the signal peaks are consistently in the green range, occasionally touching yellow. Avoid red, which indicates clipping.

### Monitoring

- **Direct Monitoring:** Press the **DIRECT MONITOR** button to hear your input signal directly from the MiniFuse 1 with no latency. This is ideal for recording.
- **Software Monitoring:** If the **DIRECT MONITOR** button is off, your input signal will be routed through your computer and Digital Audio Workstation (DAW). This allows for effects processing but introduces latency.
- Adjust the **MONITOR** knob for your speaker volume and the **HEADPHONE Volume Knob** for your headphone volume.

### Software Integration

The MiniFuse 1 is compatible with most major DAWs (Digital Audio Workstations) such as Ableton Live Lite (included), Logic Pro, Pro Tools, Cubase, FL Studio, and more. After driver installation, select "MiniFuse 1" as your audio input and output device within your DAW's audio settings.

The included software bundle provides a range of tools for music production:

- **Ableton Live Lite:** A powerful and intuitive DAW for recording, arranging, and mixing.
- **Analog Lab Intro:** A collection of Arturia's iconic synth and keyboard sounds.
- **Native Instruments GUITAR RIG 6 LE:** Guitar amp and effects modeling software.
- **Arturia FX:** A selection of high-quality audio effects.

Refer to the individual software manuals for detailed usage instructions.

### Loopback Function

The MiniFuse 1 features a virtual loopback channel, allowing you to record audio playing on your computer alongside your live input (e.g., microphone). This is particularly useful for streaming, podcasting, or creating tutorials.

- Enable the loopback function in your computer's sound settings or the MiniFuse Control Center application (if available).
- In your DAW or streaming software, select the appropriate loopback input channel.

## MAINTENANCE

- **Cleaning:** Use a soft, dry cloth (like the included cleaning cloth) to wipe the exterior of the device. Do not use liquid cleaners or abrasive materials.
- **Storage:** Store the MiniFuse 1 in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Care:** Avoid sharp bends or kinks in cables. Disconnect cables by pulling the plug, not the cable itself.
- **Firmware Updates:** Periodically check the Arturia website for firmware updates. Keeping your device's firmware up-to-date ensures optimal performance and compatibility.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound from speakers/headphones.	Volume knobs turned down. Incorrect audio device selected in computer/DAW. Cables not properly connected. MiniFuse 1 not powered on (USB connection issue).	Increase MONITOR and HEADPHONE volume. Select "MiniFuse 1" as the output device in your system sound settings and DAW. Check all cable connections (USB, outputs, headphones). Ensure USB cable is securely connected and the device is receiving power. Try a different USB port.
No input signal detected.	GAIN knob too low. Microphone/instrument not connected. 48V phantom power not enabled for condenser mic. Incorrect input selected in DAW.	Increase GAIN. Verify microphone/instrument is properly connected to the INPUT. Press the 48V button if using a condenser microphone. Ensure the correct input channel is selected in your DAW.
Audio crackling/dropouts.	Buffer size too low in DAW. Outdated drivers. System overload.	Increase the buffer size (latency) in your DAW's audio settings. Update MiniFuse 1 drivers from the Arturia website. Close unnecessary applications to free up system resources.

## SPECIFICATIONS

- **Model:** Arturia MiniFuse 1
- **Model Number:** MiniFuse 1 - 001
- **Connectivity:** USB Type-C (Bus-powered)
- **Inputs:** 1 x Combo XLR-1/4" TRS (Mic/Line/Instrument)
- **Outputs:** 2 x 1/4" TRS (Main L/R), 1 x 1/4" TRS (Headphone)
- **Phantom Power:** +48V (switchable)
- **Resolution:** 24-bit / 192 kHz
- **Dynamic Range:** 110 dB
- **Equivalent Input Noise (EIN):** -129 dB
- **USB Hub:** 1 x USB 2.0 Type-A
- **Direct Monitoring:** Yes
- **Loopback Function:** Yes

- **Compatible OS:** Windows, macOS
- **Color:** White

## WARRANTY AND SUPPORT

Arturia products typically come with a limited manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Arturia website.


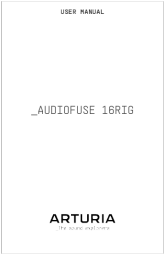

For technical support, driver downloads, firmware updates, and frequently asked questions, please visit the Arturia support page:

[www.arturia.com/support](http://www.arturia.com/support)

You can also register your product on the Arturia website to receive updates and access additional resources.

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This manual is for informational purposes only and is subject to change without notice.

## Related Documents

	<p><a href="#">Arturia MiniFuse 4 User Manual: Features, Setup, and Operation</a></p> <p>Discover the capabilities of the Arturia MiniFuse 4 with this detailed user manual. Learn about its audio interface features, MIDI connectivity, DAW integration, setup guides, and technical specifications for professional music creation.</p>
	<p><a href="#">AudioFuse 16Rig User Manual</a></p> <p>User manual for the Arturia AudioFuse 16Rig audio interface, detailing its features, setup, operation, and software control.</p>
	<p><a href="#">AudioFuse 16Rig</a></p> <p>This manual provides a comprehensive guide to the Arturia AudioFuse 16Rig, covering its features, setup, and operation. It details hardware setup, software integration, front and rear panel controls, and advanced functionalities like immersive monitoring and the AudioFuse Control Center.</p>

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### [AudioFuse 16Rig Bedienungsanleitung | Arturia](#)

Entdecken Sie die Funktionen und den Betrieb des Arturia AudioFuse 16Rig mit dieser umfassenden Bedienungsanleitung. Erfahren Sie mehr über die Anschlussmöglichkeiten, die Software und die Sicherheitshinweise.