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› M-Audio FireWire Audiophile Digital Audio Interface User Manual

M-AUDIO US 35010

M-Audio FireWire Audiophile Digital Audio Interface User Manual

Model: US 35010

1. INTRODUCTION

The M-Audio FireWire Audiophile is a compact, FireWire-compatible audio/MIDI interface designed for professional audio production. It offers a comprehensive set of features for live performance, home recording, and digital DJ applications. This manual provides detailed instructions for setting up, operating, and maintaining your FireWire Audiophile interface.

2. KEY FEATURES

- 4 x 6 24-bit/96kHz audio input/output (I/O) capabilities.
- 2 x 4 analog operation via RCA connectors.
- Digital S/PDIF (coaxial) I/O with 2-channel PCM digital output, supporting AC-3/DTS surround sound passthrough.
- Dedicated headphone output with level control and A/B switching between assignable sources.
- Flexible software-controlled mixing of hardware and software I/O.
- Aux sends on all channels and assignable aux output for dedicated headphone mixes and external effects.
- User-assignable front-panel level control for output, input, software return, or aux send.
- Zero-latency hardware direct monitoring.
- Low-latency ASIO software direct monitoring.
- 1 x 1 16-channel MIDI input/output.
- Support for ASIO, WDM, GSIF, and Core Audio drivers.
- Compatibility with ProTools M-Powered Software.

3. SETUP

3.1. Hardware Connections

Before connecting the FireWire Audiophile to your computer, ensure all audio equipment is powered off. Connect your audio sources (e.g., microphones, instruments, mixers) to the appropriate inputs on the interface. Connect your monitoring system (e.g., studio monitors, headphones) to the outputs.

- **FireWire Port:** Connect the FireWire Audiophile to your computer's FireWire port using a compatible cable.

- **Analog Inputs/Outputs:** Use RCA cables for analog audio connections.
- **S/PDIF I/O:** Connect digital audio devices using a coaxial S/PDIF cable.
- **MIDI I/O:** Connect MIDI devices (e.g., keyboards, controllers) to the MIDI In and Out ports.
- **Headphone Output:** Plug your headphones into the 1/4-inch jack on the front panel.

Important: Always ensure proper power-on and power-off sequences. Connect the FireWire cable last and avoid hot-plugging the device to prevent potential damage.

3.2. Driver Installation

For optimal performance, install the latest drivers for your operating system (Windows or macOS). Drivers are typically provided on an installation CD or can be downloaded from the official M-Audio website. Follow the on-screen instructions for installation.

1. Insert the driver CD or download the latest driver package from the M-Audio support website.
2. Run the installer and follow the prompts.
3. Restart your computer if prompted.
4. Connect the FireWire Audiophile to your computer after the driver installation is complete and the computer has restarted.

4. OPERATION

4.1. Front Panel Controls



Figure 1: Front panel of the M-Audio FireWire Audiophile interface.

- **Headphone Jack:** 1/4-inch stereo output for monitoring.
- **Headphone Level Control:** Adjusts the volume of the headphone output.
- **Source Switch:** Allows A/B switching between two software-assignable headphone sources.
- **S/PDIF Indicators:** LEDs indicating S/PDIF input and output activity.
- **Main Level Controller:** A user-assignable knob that can control output, input, software return, or aux send levels via the software control panel.
- **Power Indicator:** Illuminates when the device is powered on.

4.2. Software Control Panel

The FireWire Audiophile features a comprehensive software control panel for managing routing, mixing, and monitoring options. This panel allows you to:

- Create custom mixes for different outputs.
- Configure aux sends for external effects or dedicated headphone mixes.
- Assign the function of the front-panel level control.
- Switch between hardware and software monitoring modes.

Refer to the software control panel's dedicated help documentation for detailed instructions on its features and configuration.

4.3. Monitoring

- **Hardware Direct Monitoring:** Provides zero-latency monitoring of your input signals directly through the interface, bypassing the computer. This is ideal for recording to avoid delay.
- **ASIO Software Direct Monitoring:** Offers low-latency monitoring through your digital audio workstation (DAW) software, allowing you to hear effects and processing in real-time.

5. MAINTENANCE

To ensure the longevity and optimal performance of your M-Audio FireWire Audiophile, follow these maintenance guidelines:

- Keep the unit clean by wiping it with a soft, dry cloth. Avoid using liquid cleaners or solvents.
- Protect the unit from dust, moisture, and extreme temperatures.
- Ensure proper ventilation and do not block any vents.
- Handle all cables and connectors with care to prevent damage.

6. TROUBLESHOOTING

If you encounter issues with your FireWire Audiophile, consider the following common troubleshooting steps:

- **No Sound/Distorted Sound:**
 - Verify all cable connections are secure.
 - Check volume levels on the interface, computer, and monitoring system.
 - Ensure the correct audio device is selected in your computer's sound settings and DAW.
 - Update or reinstall the latest drivers from the M-Audio website.
 - Check the software control panel for correct routing and mix settings.
- **Interface Not Recognized:**
 - Ensure the FireWire cable is securely connected to both the interface and the computer.
 - Verify the FireWire port on your computer is functional.
 - Check if the power indicator on the interface is illuminated.
 - Reinstall the drivers.
- **Latency Issues:**
 - Adjust buffer size settings in your DAW (lower buffer size reduces latency but increases CPU load).
 - Utilize hardware direct monitoring when recording to eliminate software-induced latency.
 - Ensure your computer meets the minimum system requirements for the interface and your DAW.

For further assistance, consult the M-Audio support resources or contact customer service.

7. SPECIFICATIONS

Feature	Detail
Model Number	US 35010
Audio I/O	4 inputs, 6 outputs (2 x 4 analog RCA, S/PDIF coaxial)

MIDI I/O	1 input, 1 output (16-channel)
Resolution	24-bit/96kHz
Connectivity	FireWire, S/PDIF
Operating System Support	Windows (and macOS with Core Audio support)
Supported Software	ProTools M-Powered, DAWs supporting ASIO, WDM, GSIF, Core Audio
Compatible Devices	Digital Audio Workstations (DAW), Personal Computers
Item Weight	3.9 pounds
Package Dimensions	13.3 x 9.1 x 2.8 inches

8. WARRANTY AND SUPPORT

The M-Audio FireWire Audiophile is covered by a manufacturer's warranty. Please refer to the warranty card included with your product or visit the official M-Audio website for detailed warranty terms and conditions. For technical support, driver updates, or additional resources, visit the M-Audio support section on their website.

M-Audio Website: www.m-audio.com

