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Mackie E2MKIEPROFX12V3

Mackie ProFX12v3 12-Channel Professional Effects Mixer

User Manual - Model: E2MKIEPROFX12V3

Introduction

The Mackie ProFX12v3 is a versatile 12-channel professional effects mixer designed for a wide range of audio applications, including live sound, home recording, content creation, and live streaming. It integrates high-quality audio processing with convenient USB connectivity, making it an essential tool for musicians, podcasters, and audio engineers.



Figure 1: Mackie ProFX12v3 Mixer and included accessories.

Key features include:

- **Onyx Mic Preamps:** Equipped with 7 Onyx mic preamps offering up to 60dB of gain and ultra-low noise performance, ideal for high-gain microphones.
- **High-Resolution USB Interface:** 2x4 USB I/O capable of 24-bit/192kHz quality for pristine recordings and flexible monitoring.
- **GigFX Effects Engine:** Features 24 different effects options, including reverbs and delays, to enhance your audio.
- **Direct Monitoring:** A single knob allows blending between computer output and a direct feed from the mixer, useful for recording overdubs.

Setup

Proper setup ensures optimal performance and longevity of your Mackie ProFX12v3 mixer. Follow these steps to connect your equipment.

1. Power Connection

Connect the included power cord to the mixer's power input and then to a standard AC outlet. Ensure the mixer's power switch is in the OFF position before connecting.

2. Audio Input Connections

The ProFX12v3 offers various input options:

- **Microphones:** Use XLR cables to connect microphones to the XLR inputs (channels 1-7). Engage 48V phantom power if using condenser microphones.
- **Line-Level Instruments/Devices:** Use 1/4" TRS or TS cables for line-level sources like keyboards, guitars (with a DI box), or media players.
- **Stereo Inputs:** Channels 5/6, 7/8, 9/10, and 11/12 are stereo pairs, suitable for stereo keyboards or playback devices.



Figure 2: Overview of mixer inputs and controls.



Figure 3: Example of XLR cables for microphone connections.

3. Output Connections

- **Main Outputs:** Connect your main speakers or power amplifier to the MAIN OUT XLR or 1/4" outputs.
- **Headphones:** Plug your headphones into the PHONES jack. The included Tascam TH-02 headphones are suitable for monitoring.
- **Control Room/Monitor Outputs:** Use these for connecting studio monitors or a separate monitoring system.



Figure 4: Tascam TH-02 Closed Back Professional Studio Headphones.

4. USB Connection to Computer

Connect the mixer to your computer using the supplied USB cable. This enables 2x4 USB audio streaming for recording and playback. Install any necessary drivers if prompted by your operating system (typically plug-and-play for most modern OS).



Figure 5: Example of a TRS to dual TS cable, useful for connecting certain devices.



Figure 6: 1/4" to 3.5mm adapters for headphone or auxiliary connections.

Operating Instructions

This section details the functions of the Mackie ProFX12v3 mixer's controls and features.

1. Channel Controls

Each input channel (1-12) features:

- **Gain Knob:** Adjusts the input sensitivity for microphones or line-level signals. Set this to achieve a strong signal without clipping.
- **EQ Section:** High, Mid, and Low frequency controls to shape the tone of each input.
- **FX Send:** Controls the amount of signal sent to the internal GigFX effects engine.
- **Pan Knob:** Positions the signal in the stereo field (left to right).
- **Mute Button:** Silences the channel.

- **Fader:** Controls the channel's volume level in the main mix.



Figure 7: Close-up view of channel controls and faders.

2. GigFX Effects Engine

The built-in GigFX engine provides 24 different effects. Use the FX PRESETS knob to select an effect and the FX LEVEL knob to adjust its overall volume in the mix. The FX MUTE button allows for quick toggling of the effects.

3. USB Audio Interface (2x4)

The ProFX12v3 functions as a 2-input, 4-output USB audio interface. This allows you to record two channels from the mixer to your computer and send two custom mixes back from your computer to the mixer. This is particularly useful for monitoring specific tracks during playback while recording overdubs.

4. Monitoring and Main Mix

- **Main Faders:** The main L/R faders control the overall output volume of the mixer.
- **Blend Knob:** This knob allows you to blend between monitoring your computer's output and a direct feed from the mixer, crucial for latency-free monitoring during recording.
- **Phones/Control Room Level:** Adjusts the volume for headphones and control room outputs independently.

Maintenance

Proper maintenance will extend the life of your Mackie ProFX12v3 mixer.

- **Cleaning:** Use a soft, dry cloth to clean the exterior. For stubborn dirt, a slightly damp cloth can be used, but ensure no liquid enters the unit. Avoid abrasive cleaners.
- **Dust Protection:** Keep the mixer covered when not in use to prevent dust accumulation, especially around faders and knobs.
- **Storage:** Store the mixer in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Management:** Avoid tightly coiling cables or placing heavy objects on them to prevent damage.

Troubleshooting

If you encounter issues with your ProFX12v3 mixer, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
No sound output	Power off/unplugged Main faders down Channel faders down/muted Incorrect input/output connections Gain too low	Ensure power is on and connected. Raise MAIN faders. Raise channel faders and check MUTE buttons. Verify all cables are correctly connected to inputs/outputs. Increase channel gain.
Distorted or noisy sound	Gain too high (clipping) Faulty cable Interference	Reduce input gain until peak indicator stops flashing. Try a different cable. Ensure power cables are separated from audio cables.
FX not audible or not varied	FX MUTE engaged FX SEND knob too low Incorrect FX preset selected	Disengage FX MUTE. Increase FX SEND on channels and FX LEVEL. Rotate FX PRESETS knob to try different effects.
USB audio issues (no sound, recording problems)	Incorrect computer audio settings Driver issues USB cable problem	Ensure ProFX12v3 is selected as input/output device in computer's sound settings and DAW. Reinstall drivers if necessary (check Mackie website). Try a different USB cable or port.
Unit does not power on or controls are unresponsive	Power supply issue Internal fault	Verify power outlet is working. Try a different power cord if available. If the unit remains unresponsive, contact Mackie support for service.

Specifications

Feature	Detail
Brand	Mackie
Model Number	E2MKIEPROFX12V3
Number of Channels	12
Connectivity Technology	USB
Power Source	Corded Electric
Product Dimensions	14.8 x 13 x 3.9 inches
Item Weight	9 pounds

Feature	Detail
Date First Available	October 17, 2019

Warranty and Support

The Mackie ProFX12v3 mixer comes with a manufacturer's warranty. Please refer to the warranty card included in your product packaging for specific terms and conditions, including warranty duration and coverage details.

For technical support, service, or further inquiries, please visit the official Mackie website or contact their customer service department. Keep your purchase receipt and product serial number handy when seeking support.
Online Resources: www.mackie.com

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