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PreSonus StudioLive 24.4.2

PreSonus StudioLive 24.4.2 Digital Mixer Instruction Manual

Model: StudioLive 24.4.2

1. INTRODUCTION

The PreSonus StudioLive 24.4.2 is a 24-channel digital mixer designed for both live performance and studio recording. It integrates high-quality audio processing with a built-in FireWire recording interface, offering extensive control over your sound. This manual provides essential information for setting up, operating, and maintaining your StudioLive 24.4.2 mixer.

2. SETUP

2.1 Unpacking and Initial Inspection

Carefully remove the mixer from its packaging. Inspect the unit for any signs of damage that may have occurred during shipping. Retain all packaging materials for future transport or service.

2.2 Connecting Power

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

2.3 Input and Output Connections

The StudioLive 24.4.2 features 24 input channels, each equipped with a trim pot, XLR microphone input with XMAX preamp, 1/4-inch TRS balanced line inputs, and unbalanced insert points.

- **XLR Inputs:** For microphones and other balanced low-impedance sources.
- **1/4-inch TRS Line Inputs:** For line-level instruments and devices.
- **Insert Points:** Allows for external signal processors (e.g., compressors) to be inserted into the signal path of individual channels. These can also be used as direct outputs by inserting a TRS cable halfway.

Main outputs are available in left and right XLR, as well as a mono XLR output. Additional 1/4-inch main outputs are also provided. Control room outputs are available for monitoring.

The mixer also includes a talkback microphone input and digital outputs (S/PDIF) for advanced connectivity. FireWire connectors enable direct recording and playback with a computer.



Figure 2.3.1: Front view of the PreSonus StudioLive 24.4.2 Digital Mixer. This image displays the main control surface with faders, knobs, and display screens.



Figure 2.3.2: Rear panel of the PreSonus StudioLive 24.4.2 Digital Mixer. This image shows the various input and output ports, including XLR, TRS, FireWire, and S/PDIF connections.

2.4 Software Installation

The StudioLive 24.4.2 includes Studio One Artist DAW software and Capture recording software for Mac and PC. Install these programs on your computer to utilize the mixer's recording capabilities. Ensure your computer meets the minimum system requirements for the software.

3. OPERATING INSTRUCTIONS

3.1 Front Panel Overview

The left side of the front panel is dedicated to input channels. Each channel features controls for gain, EQ, compression, and gating. The "Fat Channel" is a central control section that allows you to adjust parameters for the currently selected channel, eliminating the need for redundant knobs on every channel strip.



Figure 3.1.1: Top-down view of the PreSonus StudioLive 24.4.2 Digital Mixer. This image highlights the "Fat Channel" section, faders, and various control buttons.

3.2 Using the Fat Channel

To adjust settings for a specific channel, simply select the desired channel using its dedicated button. The Fat Channel controls will then become active for that channel, allowing you to modify its compressor, limiter, gate/expander, 4-band semi-parametric EQ, and high-pass filter. This streamlined workflow allows for quick and efficient adjustments.

3.3 Aux Buses and Subgroups

The mixer includes 10 aux buses and 4 subgroups, providing flexible routing options for monitor mixes, effects sends, and grouping channels.

3.4 Digital Effects

Two programmable 32-bit floating-point, stereo DSP effects engines are built-in, offering 50 reverb, delay, and time-based effects presets. These can be assigned to channels via the aux sends.

3.5 Saving and Recalling Settings

The StudioLive 24.4.2 allows you to save and recall channel strip settings and complete scenes. This feature is useful for quickly switching between different setups for various songs or performers. The AutoStore feature automatically saves current settings to prevent data loss in case of power failure.

3.6 Remote Control (iPad)

The mixer can be controlled remotely using an iPad with the appropriate VSL software. This requires connecting a Wi-Fi enabled computer to the mixer, which then communicates with the iPad.



Figure 3.6.1: An iPad displaying the VSL software interface, demonstrating remote control capabilities for the PreSonus StudioLive mixer. The iPad is shown being held by two hands, interacting with the virtual faders and controls.

4. MAINTENANCE

To ensure the longevity and optimal performance of your PreSonus StudioLive 24.4.2 mixer, follow these general maintenance guidelines:

- Keep the mixer clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the mixer to extreme temperatures, humidity, or direct sunlight.
- Do not spill liquids on the mixer.
- Ensure proper ventilation around the unit to prevent overheating.
- Regularly check all cable connections for security and integrity.

5. TROUBLESHOOTING

If you encounter issues with your StudioLive 24.4.2, consider the following basic troubleshooting steps:

- **No Power:** Check the power cable connection and the power outlet. Ensure the power switch is on.
- **No Sound:** Verify all input and output connections. Check channel gain levels, fader positions, and mute/solo statuses. Ensure main outputs are connected to an amplifier or powered speakers.
- **Distorted Sound:** Reduce input gain levels to prevent clipping. Check for proper impedance matching between sources and inputs.
- **Software Connectivity Issues:** Ensure FireWire drivers are correctly installed and the FireWire cable is securely connected. Restart both the mixer and the computer.

For more detailed troubleshooting or persistent issues, refer to the comprehensive user manual available on the PreSonus website or contact PreSonus customer support.

6. SPECIFICATIONS

Item Weight	45 pounds
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Product Dimensions	25.19 x 21.31 x 7.02 inches
Model Number	StudioLive 24.4.2
Brand	PreSonus
Number of Channels	24
Connectivity Technology	XLR, TRS, FireWire, S/PDIF
Power Source	Corded Electric
First Available	November 20, 2007

7. WARRANTY AND SUPPORT

For information regarding the product warranty, please refer to the warranty card included with your purchase or visit the official PreSonus website.

PreSonus provides customer support for technical assistance and service inquiries. Contact information can typically be found on the PreSonus website or in your product registration materials.

[Visit PreSonus Support](#)

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