

[Manuals.plus](#) /

> [Soundcraft](#) /

> Soundcraft EFX8 8-Channel Mixer User Manual

Soundcraft EFX-8

Soundcraft EFX8 8-Channel Mixer User Manual

Model: EFX-8

1. INTRODUCTION

The Soundcraft EFX8 is a compact, high-performance 8-channel audio mixer designed for a wide range of applications, from live sound reinforcement to studio recording. It integrates a powerful 24-bit Lexicon digital effects processor, offering 32 editable effects to enhance your audio. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your EFX8 mixer.



Figure 1: Front view of the Soundcraft EFX8 8-Channel Mixer, showcasing its control surface and input/output connections.

2. KEY FEATURES

The EFX8 mixer is equipped with a comprehensive set of features to deliver professional audio quality and versatile functionality:

- **Channel Configuration:** Available in 8+2 (8 mono, 2 stereo) and 12+2 (12 mono, 2 stereo) channel frame sizes, providing flexibility for various input requirements.
- **Integrated Lexicon Effects:** Features a built-in 24-bit Lexicon digital effects processor with 32 high-quality effects, including reverbs, delays, chorus, and flanger. Effects include tap tempo function and 3 parameter controls for customization.
- **Robust Connectivity:** Equipped with XLR-type and 1/4 inch metal jack connector sockets for reliable audio connections.
- **Playback and Record Outputs:** Includes RCA phono stereo playback inputs and record outputs for external audio devices.
- **Insert Sockets:** TRS insert sockets are provided on all mono inputs for integrating external signal processing equipment.
- **Phantom Power:** Global +48V phantom power for condenser microphones.



Figure 2: The Soundcraft EFX series offers both 8-channel (left) and 12-channel (right) variants to suit different setup needs.

3. SETUP GUIDE

Follow these steps to properly set up your Soundcraft EFX8 mixer:

1. **Unpacking:** Carefully remove the mixer from its packaging. Retain the packaging for future transport or storage.
2. **Placement:** Place the mixer on a stable, flat surface, ensuring adequate ventilation around the unit. Avoid placing it near heat sources or in direct sunlight.
3. **Power Connection:** Connect the supplied power adapter to the mixer's power input and then to a suitable AC power outlet. Ensure the mixer's power switch is in the OFF position before connecting.
4. **Input Connections:**
 - **Microphones:** Connect microphones to the XLR inputs (channels 1-8) using balanced XLR cables. If using condenser microphones, activate the +48V phantom power switch (located near the master section).
 - **Instruments/Line-Level Devices:** Connect instruments (e.g., keyboards, guitars with DI boxes) or

other line-level devices to the 1/4 inch jack inputs.

- **Stereo Playback:** Use the RCA phono inputs for connecting stereo playback devices like CD players or media players.

5. Output Connections:

- **Main Outputs:** Connect the main XLR or 1/4 inch jack outputs to your power amplifier, powered speakers, or recording interface.
- **Monitor Outputs:** Connect the monitor outputs to your stage monitors or headphones.
- **Record Outputs:** Use the RCA phono record outputs to send the main mix to a recording device.

6. **Initial Power On:** Once all connections are secure, switch on the mixer's power. Observe the power indicator light.

4. OPERATING INSTRUCTIONS

Understanding the mixer's controls is crucial for optimal performance:

4.1. Channel Controls

- **GAIN Control:** Adjusts the input sensitivity for each channel. Set this so the PEAK LED flashes only occasionally on the loudest signals.
- **EQ Section:** Each mono channel features a 3-band EQ (HIGH, MID, LOW) for tone shaping. The MID band is sweepable for precise frequency adjustment.
- **AUX Sends:** Controls the level of the signal sent to external effects processors or monitor mixes.
- **PAN Control:** Positions the channel's signal in the stereo field (left to right).
- **MUTE Button:** Silences the channel's output to the main mix and aux sends.
- **PFL (Pre-Fader Listen) Button:** Sends the channel's signal to the headphones and meter for individual monitoring before the fader.
- **Channel Fader:** Controls the overall level of the channel in the main mix.

4.2. Effects Section (Lexicon Digital Effects)

The EFX8 features a powerful Lexicon effects engine:

- **PROGRAM Selector:** Use the rotary encoder to select one of the 32 available effects programs.
- **TAP TEMPO:** Press this button repeatedly to set the tempo for time-based effects like delay.
- **PARAMETER Controls:** Three dedicated controls allow adjustment of key parameters for the selected effect (e.g., decay time for reverb, feedback for delay).
- **STORE Function:** Allows you to save your customized effect settings.
- **FX SEND:** Controls the overall level of the signal sent to the internal effects processor.
- **FX RETURN:** Controls the level of the processed signal returning to the main mix.

4.3. Master Section

- **MAIN MIX Faders:** Control the overall output level of the stereo main mix.
- **Headphone Level:** Adjusts the volume for the headphone output.

- **Metering:** LED meters display the output level of the main mix or the PFL signal.

5. MAINTENANCE

Proper maintenance ensures the longevity and reliable performance of your EFX8 mixer:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the mixer. For stubborn dirt, a slightly damp cloth can be used, but ensure no liquid enters the unit. Avoid abrasive cleaners or solvents.
- **Dust Protection:** When not in use, cover the mixer with a dust cover to prevent dust and debris from accumulating on the controls and inside the chassis.
- **Storage:** Store the mixer in a cool, dry environment, away from extreme temperatures and humidity.
- **Cable Management:** Ensure cables are neatly organized and not under strain to prevent damage to connectors and internal wiring.
- **Ventilation:** Always ensure the mixer's ventilation slots are clear and unobstructed to prevent overheating.

6. TROUBLESHOOTING

If you encounter issues with your Soundcraft EFX8, refer to the following common problems and solutions:

- **No Sound Output:**
 - Check all power connections and ensure the mixer is turned on.
 - Verify that main mix faders are up and not muted.
 - Ensure individual channel faders are up and not muted.
 - Check connections to speakers/amplifiers and ensure they are powered on and functioning.
 - Confirm input sources are connected correctly and producing a signal.
- **Distorted Sound:**
 - Reduce the GAIN control on the input channel to prevent clipping (PEAK LED should not be constantly lit).
 - Check the main mix faders and output levels to ensure they are not overdriving the connected amplifier/speakers.
 - Inspect cables for damage or improper connection.
- **Effects Not Heard:**
 - Ensure the FX SEND control on the channel and the master FX SEND are turned up.
 - Verify the FX RETURN level is adjusted.
 - Check that an effect program is selected and not bypassed.
- **Hum or Noise:**
 - Ensure all cables are properly shielded and connected.
 - Check for ground loops; try connecting all audio equipment to the same power outlet or using a

ground lift adapter (use with caution).

- Keep audio cables away from power cables.

If the problem persists after attempting these solutions, contact Soundcraft customer support or a qualified service technician.

7. SPECIFICATIONS

Specification	Value
Model Number	EFX-8
Number of Channels	8 (mono) + 2 (stereo)
Digital Effects Processor	24-bit Lexicon Digital Effects (32 programs)
Connectivity Technology	XLR, 1/4 inch Jack, RCA Phono
Power Source	Corded Electric
Item Weight	15.84 pounds (7.2 Kilograms)
Product Dimensions	0.01 x 0.01 x 0.01 inches (approximate)

8. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your product or visit the official Soundcraft website. Soundcraft provides technical support and service for its products.

For further assistance or to find authorized service centers, please visit the [Soundcraft Store](#) or contact their customer service directly.