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Soundcraft GB8 32

Soundcraft GB8 32-Channel Professional Mixer Console User Manual

Model: GB8 32

INTRODUCTION

This manual provides essential information for the proper setup, operation, and maintenance of your Soundcraft GB8 32-Channel Professional Mixer Console. The GB8 console is designed for professional audio applications, including installations in churches, performance venues, and small touring sound systems. It features a dual-mode topology for both Front-of-House (FOH) and monitor duties.

KEY FEATURES

- GB30 mic preamps for high-quality audio input.
- 4-band GB30 EQ for precise tonal shaping.
- Individually switched 48V phantom power on every mono input module for condenser microphones.
- Four full-feature stereo channels for versatile input options.
- Eight auxiliary sends, all switchable between pre/post fader operation for flexible monitoring and effects routing.
- Integrated 1kHz oscillator for system calibration.
- Meter bridge with three LED meters, emulating Vu meter ballistics for accurate level monitoring.

SETUP

Proper setup is crucial for optimal performance and safety. Follow these general guidelines:

1. **Unpacking and Placement:** Carefully remove the mixer from its packaging. Place the console on a stable, level surface in a well-ventilated area, away from direct sunlight, heat sources, and excessive moisture. Ensure adequate space for cable connections at the rear.
2. **Power Connection:** Connect the supplied power cable to the console's power input and then to a grounded AC power outlet. Ensure the power switch is in the OFF position before connecting.
3. **Input Connections:** Connect microphones to the XLR inputs and line-level sources to the 1/4-inch jack inputs on the mono channels. Use the stereo channels for stereo line-level sources.

4. **Output Connections:** Connect main outputs (XLR) to your power amplifiers or active speakers. Connect auxiliary outputs to monitor wedges, effects processors, or other destinations as required.
5. **Grounding:** Ensure all connected equipment is properly grounded to prevent hum and noise.



Image Description: A full front view of the Soundcraft GB8 32-Channel Mixer Console. The image displays the extensive array of faders, knobs, and buttons across the console's surface, indicating its comprehensive control capabilities for audio mixing. Three analog VU meters are visible at the top center, along with two gooseneck lamps.

OPERATING INSTRUCTIONS

This section outlines basic operational procedures for the Soundcraft GB8 mixer.

Channel Operation

- **Gain Control:** Adjust the gain knob for each input channel to achieve an optimal signal level without clipping. The PFL (Pre-Fader Listen) button can assist in setting gain.
- **Equalization (EQ):** Use the 4-band GB30 EQ to shape the tone of each input. Adjust frequencies and gain for desired sound characteristics.
- **Auxiliary Sends:** Utilize the 8 auxiliary sends to route signals to monitors or effects processors. Switch between pre-fader (for monitors) and post-fader (for effects) as needed.
- **Faders:** Use the channel faders to control the level of each input in the main mix.
- **Routing:** Assign channels to the main stereo mix or to subgroups using the routing buttons.

Master Section

- **Main Mix Faders:** Control the overall output level of the stereo main mix.
- **Group Faders:** Control the output level of assigned subgroups.
- **Meter Bridge:** Monitor output levels using the integrated LED meters.
- **Talkback:** Use the talkback microphone input and routing to communicate with musicians on stage or in other areas.



Image Description: An angled view of the Soundcraft GB8 32-Channel Mixer Console, showcasing its ergonomic design and the layout of its numerous controls. The perspective highlights the depth of the console and the arrangement of faders, knobs, and buttons for each channel and the master section.

MAINTENANCE

Regular maintenance ensures the longevity and reliable performance of your mixer.

- **Cleaning:** Regularly clean the console's surface with a soft, dry cloth. Avoid abrasive cleaners or solvents. For stubborn dirt, a slightly damp cloth can be used, ensuring no liquid enters the controls.
- **Dust Protection:** When not in use, cover the mixer with a dust cover to prevent dust accumulation, which can affect faders and potentiometers.
- **Cable Management:** Ensure cables are neatly organized and not under strain. Avoid bending cables sharply or placing heavy objects on them.
- **Environmental Control:** Operate the mixer within recommended temperature and humidity ranges. Avoid extreme conditions.
- **Professional Servicing:** For internal cleaning or repairs, consult a qualified service technician. Do not attempt to open the console yourself, as this may void the warranty and risk electrical shock.

TROUBLESHOOTING

This section addresses common issues you might encounter with your Soundcraft GB8 mixer.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No sound output	<ul style="list-style-type: none"> • Power not connected or switched on. • Main faders or channel faders are down. • Mute buttons engaged. • Incorrect input/output connections. 	<ul style="list-style-type: none"> • Check power supply and switch. • Raise main and channel faders. • Disengage any active mute buttons. • Verify all audio connections are correct and secure.
Hum or noise in audio	<ul style="list-style-type: none"> • Ground loop issue. • Unbalanced cables used for long runs. • Faulty cables or connections. • Gain set too high. 	<ul style="list-style-type: none"> • Ensure all equipment is properly grounded. • Use balanced cables (XLR or TRS) where possible. • Test and replace suspect cables. • Reduce input gain to an appropriate level.
Distorted sound	<ul style="list-style-type: none"> • Input gain too high. • Output level too high. • Faulty component. 	<ul style="list-style-type: none"> • Reduce input gain on the channel. • Lower main mix or group faders. • Contact support if distortion persists after level adjustments.

SPECIFICATIONS

Detailed technical specifications for the Soundcraft GB8 32-Channel Mixer Console:

- **Model Number:** GB8 32
- **Number of Channels:** 32
- **Item Weight:** 82.6 pounds (37.47 kg)
- **Product Dimensions:** 63.8 x 11.4 x 30.7 inches (162.05 x 28.96 x 77.98 cm)
- **Power Source:** Corded Electric
- **Voltage:** 48 Volts (for phantom power)
- **Connectivity Technology:** Auxiliary
- **First Available Date:** November 16, 2013



Image Description: A rear view of the Soundcraft GB8 32-Channel Mixer Console, clearly showing the extensive array of input and output connectors. This includes multiple XLR and 1/4-inch jack connections for microphones, line inputs, and various outputs, along with the power input and other utility ports.

WARRANTY AND SUPPORT

Manufacturer's Limited Product Warranty: The manufacturer's limited product warranty for Soundcraft products applies only when the purchase is made from Soundcraft Authorized North American Dealers. For complete details regarding warranty coverage, terms, and conditions, please refer to the official Soundcraft website or contact an authorized dealer.

For technical support, service inquiries, or further assistance, please visit the official Soundcraft website or contact their customer support department. Keep your purchase receipt and product serial number readily available when seeking support.

Soundcraft Official Website: www.soundcraft.com

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