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BOMGE 12 channel pro

BOMGE Professional Audio Mixer

Model: 12 Channel Pro User Manual

1. Introduction

Welcome to the user manual for your new BOMGE Professional Audio Mixer. This manual provides detailed instructions on setting up, operating, and maintaining your mixer to ensure optimal performance and longevity. Please read this manual thoroughly before using the product.

2. Product Overview and Features

The BOMGE Professional Audio Mixer is a versatile sound board console designed for various audio applications, from home studios to professional DJ setups. It integrates advanced features for superior sound control and connectivity.

This image shows the overall layout of the BOMGE Professional Audio Mixer, highlighting its numerous input channels, faders, and control knobs for comprehensive sound management.

Key Features:

- **BOMGE PRO DSP 3.0:** Upgraded DSP system for stable and abundant audio input, featuring 24 integrated effects including reverbs, choruses, and delays.
- **USB Soundcard & Audio Interface:** Enables direct recording and connection to MAC or PC with universal digital audio file compatibility, suitable for beginners and studio professionals.
- **Wireless Bluetooth Streaming:** Built-in Bluetooth for convenient wireless audio streaming with a range of approximately 15 ft.
- **Multi-Channel Connectivity:** Features 2 1/4" (L/R) outputs, 4 XLR microphone inputs, 2 pairs RCA (L/R) inputs, 2 pairs 1/4" mono + stereo, 1/4" Send + Return, and a 1/4" headphone jack.

- **48V Phantom Power & Anti-Feedback:** Provides reliable +48V Phantom power for condenser and dynamic microphones, along with a built-in Anti-Feedback button to suppress whistling while maintaining original tone.

3. Setup

Follow these steps to set up your BOMGE Professional Audio Mixer for the first time.

1. **Power Connection:** Connect the mixer to a suitable power outlet using the provided power cable. Ensure the power switch on the rear panel is in the OFF position before connecting.
2. **Input Connections:** Connect your microphones to the XLR inputs (channels 1-4) and line-level instruments or devices to the 1/4'' or RCA inputs.
3. **Output Connections:** Connect your main speakers or recording devices to the 1/4'' (L/R) outputs. Use the 1/4'' headphone jack for monitoring.
4. **Phantom Power (if needed):** If using condenser microphones, activate the +48V Phantom Power button for the respective channels. Ensure microphones are connected before engaging phantom power.
5. **USB/PC Connection:** For recording or playback via PC/MAC, connect the mixer using a USB cable. The mixer functions as a USB soundcard.

This image displays the rear panel of the mixer, showing the power input and various connection ports for microphones, line-in devices, and main outputs.

A detailed view of the mixer's input and output ports, including XLR, 1/4-inch, and RCA connections, along with phantom power indicators.

4. Operating Instructions

This section covers the basic operation of your audio mixer.

Channel Control:

- **Gain Knobs:** Adjust the input sensitivity for each channel. Start with low gain and gradually increase until the signal is strong without clipping.
- **EQ Controls (High, Mid, Low):** Use these knobs to shape the tone of each channel. High affects treble, Mid affects midrange, and Low affects bass frequencies.
- **FX/AUX Sends:** Control the amount of signal sent to the internal effects processor or external auxiliary devices.
- **Pan:** Adjust the stereo position (left/right) of the channel's signal.
- **Channel Faders:** Control the volume level of each individual channel.
- **Mute Buttons:** Mute or unmute individual channels.

Master Control and Effects:

- **Main Mix Faders:** Control the overall output volume of the mixer.
- **Graphic Equalizer:** Use the sliders to fine-tune the overall frequency response of the main mix.
- **DSP Effects (24 DSP):** Select from 24 integrated effects using the PROGRAM knob. Adjust parameters and repeat settings as desired.
- **Bluetooth Streaming:** Activate Bluetooth mode and pair your device. The mixer will appear as a discoverable device.
- **USB Playback/Recording:** Insert a USB drive for MP3 playback or connect to a PC for recording. Use the dedicated controls for navigation and playback.
- **Anti-Feedback Button:** Press this button if microphone feedback (whistling) occurs. It helps suppress the feedback while preserving sound quality.

This image provides a close-up view of the mixer's channel controls, including gain, EQ, FX sends, pan, and individual channel faders.

Official Product Videos:

▶ **Watch video online**
BOMGE Professional Audio Mixer Sound Board Console Desk System

This video provides an overview of the BOMGE Professional Audio Mixer Sound Board Console Desk System, demonstrating its features and basic functionality.

▶ **Watch video online**
BOMGE Professional Audio Mixer Console Desk System M8 M12

This video showcases the BOMGE Professional Audio Mixer Console Desk System (M8 M12 models), highlighting its design and operational aspects.

5. Maintenance

Proper maintenance ensures the longevity and performance of your mixer.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the mixer. Avoid abrasive cleaners or solvents. For stubborn dirt, a slightly damp cloth can be used, followed by a dry one.
- **Dust Protection:** Keep the mixer covered when not in use to prevent dust accumulation, especially on faders and knobs.
- **Storage:** Store the mixer in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Management:** Ensure cables are neatly organized and not under strain to prevent damage to ports and connectors.

6. Troubleshooting

If you encounter issues with your mixer, refer to the following common troubleshooting steps.

Problem	Possible Cause	Solution
No Sound Output	Power not connected; Main faders down; Muted channels; Incorrect cable connections.	Check power supply; Raise main faders; Unmute channels; Verify all audio cables are correctly connected.
Microphone Not Working	Phantom power off (for condenser mics); Gain too low; Faulty microphone/cable.	Activate +48V Phantom Power; Increase channel gain; Test with a different microphone or cable.
Feedback (Whistling Sound)	Microphone too close to speakers; High gain settings; Room acoustics.	Press the Anti-Feedback button; Reduce microphone gain; Reposition microphone or speakers; Adjust EQ.
Bluetooth Connection Issues	Device not in pairing mode; Out of range; Interference.	Ensure mixer is in Bluetooth mode and discoverable; Move device closer to mixer; Reduce other wireless interference.

7. Specifications

Specification	Detail
Brand	BOMGE
Model Number	12 channel pro
Item Weight	17.16 pounds
Package Dimensions	24.02 x 20.08 x 7.48 inches
Country of Origin	China
Power Source	Corded Electric
Number of Channels	12
Connectivity Technology	USB, Bluetooth, XLR, TRS
Output Connector Type	TRS

8. Warranty and Support

For any warranty inquiries, technical support, or further questions regarding your BOMGE Professional Audio Mixer, please contact BOMGE customer service through the official channels provided at the point of purchase or on the BOMGE website. BOMGE is committed to providing high-quality professional recording equipment and dedicated support.

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