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BOMGE 8 channel pro

BOMGE Professional 8-Channel Audio Mixer Instruction Manual

Model: 8 channel pro

1. INTRODUCTION

Thank you for choosing the BOMGE Professional 8-Channel Audio Mixer. This manual provides essential information for the safe and efficient operation of your new audio mixer. Please read it thoroughly before use and retain it for future reference. This mixer is designed for both professional and beginner use, featuring an upgraded DSP 3.0 system with 24 integrated effects, USB soundcard functionality for PC connectivity, Bluetooth for wireless streaming, and 48V Phantom Power for condenser microphones. It also includes an Anti-Feedback button for enhanced sound quality.

2. PRODUCT OVERVIEW

The BOMGE 8-Channel Audio Mixer is a versatile console designed for various audio applications. Below are key components and a visual representation of the unit.



Figure 2.1: Top-down view of the BOMGE Professional 8-Channel Audio Mixer, showcasing all controls and inputs.

2.1 Key Features

- **BOMGE PRO DSP 3.0:** Upgraded DSP system with 24 integrated effects (reverbs, choruses, delays, etc.) for stable and rich audio input.
- **USB Soundcard & Audio Interface:** Record and connect to MAC or PC with universal digital audio file compatibility.
- **Wireless Bluetooth Streaming:** Portable 6-channel DJ sound controller with Bluetooth for wireless streaming up to approximately 15 ft.
- **8-Channel Mixer:** Multiple device connectivity with 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 1/4" headphone jack.
- **48V Phantom Power & Anti-Feedback:** Provides reliable power for condenser microphones and features a built-in Anti-Feedback button to suppress whistling while maintaining original tone.

2.2 Control Panel Layout

The mixer's control panel is intuitively designed for ease of use. Each channel features dedicated controls for gain, equalization, and effects. The master section includes controls for main output, DSP effects, and monitoring.



Figure 2.2: Detailed view of the mixer's channel strips, showing gain, EQ, AUX, and fader controls.



Figure 2.3: Close-up of the digital display, USB/Bluetooth section, and graphic equalizer.

3. SETUP INSTRUCTIONS

1. **Unpacking and Inspection:** Carefully unpack the mixer and inspect it for any signs of damage. Retain all packaging materials for potential future transport or service.
2. **Power Connection:** Connect the provided power cable to the mixer's power input and then to a suitable AC power outlet. Ensure the power switch is in the OFF position before connecting.
3. **Connecting Microphones:** For dynamic microphones, connect via XLR cables to the MIC/LINE inputs (channels 1-4). For condenser microphones, connect via XLR and activate the +48V Phantom Power button for the respective channel.

4. **Connecting Line-Level Devices:** Connect instruments, media players, or other line-level devices using 1/4" TRS/TS cables or RCA cables to the designated LINE inputs.
5. **Connecting to PC (USB):** Use a USB cable to connect the mixer's USB port to your computer. The mixer will function as a USB soundcard for recording and playback. Install any necessary drivers if prompted by your operating system.
6. **Connecting Headphones:** Plug your headphones into the 1/4" HEADPHONE jack for monitoring.
7. **Connecting Main Outputs:** Connect your main speakers or amplifier to the MAIN OUT (XLR or 1/4" TRS) connectors.

4. OPERATING INSTRUCTIONS

1. **Power On:** After all connections are made, switch the power button to the ON position.
2. **Gain Adjustment:** For each input channel, adjust the GAIN knob to achieve an optimal input level. The PEAK LED should flash only occasionally.
3. **Equalization (EQ):** Use the HIGH, MID, and LOW knobs on each channel to adjust the tonal characteristics of the input signal.
4. **Channel Faders:** Adjust the individual channel faders to set the volume balance for each input.
5. **Main Output:** Use the MAIN faders to control the overall output volume. Monitor the main output level meters to prevent clipping.
6. **DSP Effects:** Use the PROGRAM (PUSH) knob to select from the 24 built-in DSP effects. Adjust the FX knob on each channel to send the desired amount of signal to the effects processor.
7. **Bluetooth Pairing:** Press the MODE button in the MP3/BT section to select Bluetooth mode. On your device, search for and connect to the mixer's Bluetooth signal.
8. **USB Playback/Recording:** Insert a USB drive for MP3 playback. For recording, ensure the mixer is connected to a PC via USB. Hold the REC.LINE button to initiate recording or playback.
9. **Anti-Feedback:** If microphone feedback occurs, press the ANTI-FEEDBACK button to activate the feedback suppression feature.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the mixer's surface. Avoid using abrasive cleaners or solvents.
- **Storage:** Store the mixer in a cool, dry place away from direct sunlight and extreme temperatures.
- **Ventilation:** Ensure proper ventilation around the unit to prevent overheating. Do not block ventilation openings.
- **Cable Management:** Regularly check cables for wear and tear. Replace damaged cables immediately to prevent electrical hazards or signal loss.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output	Power off; incorrect connections; faders down; mute engaged.	Check power, cable connections, raise faders, disengage mute buttons.
Distorted sound	Input gain too high; output level too high; faulty cable.	Reduce input gain (PEAK LED should not be constantly lit); lower main output; replace cable.
Microphone not working (condenser)	48V Phantom Power not activated.	Activate +48V Phantom Power for the specific channel.

Problem	Possible Cause	Solution
Bluetooth connection issues	Device too far; incorrect mode; interference.	Ensure device is within 15ft; select Bluetooth mode on mixer; reduce interference.
Feedback (whistling sound)	Microphone too close to speakers; high gain settings.	Press the Anti-Feedback button; reposition microphone; reduce gain.

7. SPECIFICATIONS

- **Item Weight:** 14.3 pounds
- **Package Dimensions:** 20.08 x 19.69 x 7.48 inches
- **Item Model Number:** 8 channel pro
- **Power Source:** Corded Electric
- **Brand:** BOMGE
- **Number of Channels:** 8
- **Connectivity Technology:** Bluetooth, USB
- **Output Connector Type:** TRS

8. OFFICIAL PRODUCT VIDEOS

Watch these official videos for a visual guide on the BOMGE Professional Audio Mixer's features and operation.

BOMGE Professional Audio Mixer Console Desk System M8 M12

Your browser does not support the video tag.

This video provides an overview of the BOMGE Professional Audio Mixer, highlighting its tuning equipment and feature-rich design. It demonstrates various controls and connections.

BOMGE Professional Audio Mixer Sound Board Console Desk System

Your browser does not support the video tag.

This video showcases the BOMGE Professional Audio Mixer, focusing on its feature-rich interface and practical application in a studio setting, including adjustments to faders and effects.

9. WARRANTY AND SUPPORT

For warranty information, technical support, or any questions regarding your BOMGE Professional Audio Mixer, please refer to the documentation included with your purchase or visit the official BOMGE website. You may also contact BOMGE customer service directly for assistance.