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› BOMGE 8 Channel Audio Mixer Instruction Manual

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BOMGE 8 Channel Audio Mixer Instruction Manual

Model: 8 Channel

INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your BOMGE 8 Channel Audio Mixer. Designed for professional music mixing, DJ applications, studio recording, karaoke, and live performances, this console offers versatile connectivity and advanced audio processing features. Please read this manual thoroughly before using the device to ensure proper operation and to maximize its performance.

SAFETY INSTRUCTIONS

- **Power Supply:** Use only the provided power adapter. Ensure the voltage matches your local power supply (110V for US models).
- **Water and Moisture:** Do not expose the mixer to water, rain, or excessive moisture. Avoid placing liquid-filled objects on the unit.
- **Ventilation:** Ensure adequate ventilation around the mixer. Do not block ventilation openings.
- **Heat Sources:** Keep the unit away from heat sources such as radiators, heat registers, stoves, or other heat-producing appliances.
- **Cleaning:** Disconnect power before cleaning. Use a dry, soft cloth. Do not use liquid cleaners or aerosols.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- **Placement:** Place the mixer on a stable, level surface to prevent accidental falls.

PACKAGE CONTENTS

Please check that all items are present in the package:

- BOMGE 8 Channel Audio Mixer Unit
- Power Adapter (110V)
- User Manual

PRODUCT OVERVIEW

The BOMGE 8 Channel Audio Mixer is a professional mixing console featuring 8 input channels, a 256 DSP effects processor, Bluetooth 5.0 connectivity, MP3/USB player, 48V phantom power, and a 7-stage graphic equalizer. Its robust design and comprehensive features make it suitable for a wide range of audio applications.

Control Layout

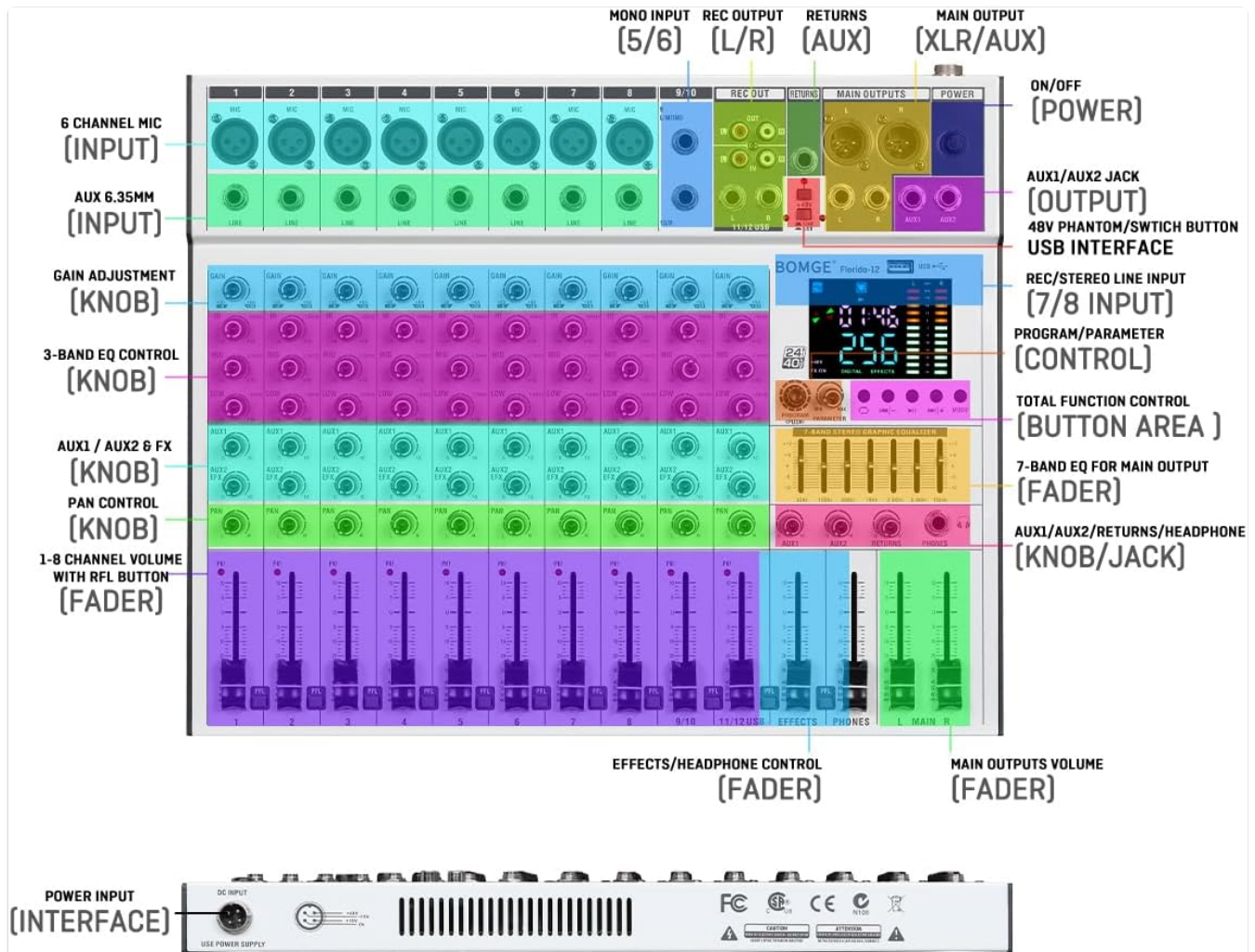


Image: Detailed view of the BOMGE 8 Channel Audio Mixer's control panel, highlighting various inputs, outputs, and adjustment controls.

The mixer's front panel includes dedicated controls for each channel, master output, and effects. Key components include:

- **Channels 1-8:** Each channel features XLR microphone inputs and 1/4-inch line inputs.
- **Gain Adjustment Knobs:** For setting input levels.
- **3-Band EQ Knobs:** For adjusting high, mid, and low frequencies on individual channels.
- **AUX/FX Send Knobs:** For sending signal to auxiliary outputs or internal effects.
- **Pan Knobs:** For positioning the sound in the stereo field.
- **Channel Volume Faders:** For adjusting individual channel levels.
- **Main Outputs:** XLR and 1/4-inch (L/R) outputs for connecting to main speakers.
- **RCA Inputs/Outputs:** Additional stereo input and recording output.
- **AUX Send/Return:** 1/4-inch jacks for external effects or monitoring.
- **Headphone Jack:** 1/4-inch output for monitoring.
- **48V Phantom Power Switch:** For condenser microphones.
- **USB Interface:** For MP3 playback and recording.
- **DSP Effects Section:** With an HD screen and program control for 256 digital effects.

- **7-Band Stereo Graphic Equalizer:** For master output adjustment.

SETUP

1. Power Connection

1. Ensure the mixer's power switch is in the OFF position.
2. Connect the provided power adapter to the DC input jack on the rear panel of the mixer.
3. Plug the power adapter into a suitable 110V AC power outlet.

2. Audio Input Connections



Image: Interface description showing various input and output ports.

- **Microphones:** Connect microphones to the XLR inputs on channels 1-8. If using condenser microphones, activate 48V phantom power (see Operating Instructions).
- **Line-Level Devices:** Connect instruments (keyboards, guitars with preamps), CD players, or other line-level devices to the 1/4-inch line inputs on channels 1-8.
- **Stereo Inputs:** Channels 9-12 (if applicable to your model) offer stereo 1/4-inch inputs for devices like media players.
- **RCA Inputs:** Use the RCA (L/R) inputs for additional stereo sources.

3. Audio Output Connections

- **Main Outputs:** Connect your main speakers or power amplifier to the XLR or 1/4-inch (L/R) Main Outputs.
- **Headphones:** Plug your headphones into the 1/4-inch PHONES jack for monitoring.
- **AUX Outputs:** Use the 1/4-inch AUX outputs to send signals to external effects processors or stage monitors.
- **REC Out:** Connect a recording device to the RCA (L/R) REC OUT jacks.

OPERATING INSTRUCTIONS

1. Power On and Initial Settings

1. Turn on any connected audio sources (microphones, instruments).
2. Ensure all channel volume faders and the Main Mix fader are at their lowest setting.
3. Turn on the mixer using the POWER switch.
4. Gradually raise the Main Mix fader to a comfortable listening level.

2. Gain Adjustment

The GAIN knob on each channel adjusts the input sensitivity. Set the GAIN so that the signal peaks (indicated by the PEAK LED) only occasionally, ensuring a strong signal without distortion.

3. Equalization (EQ)

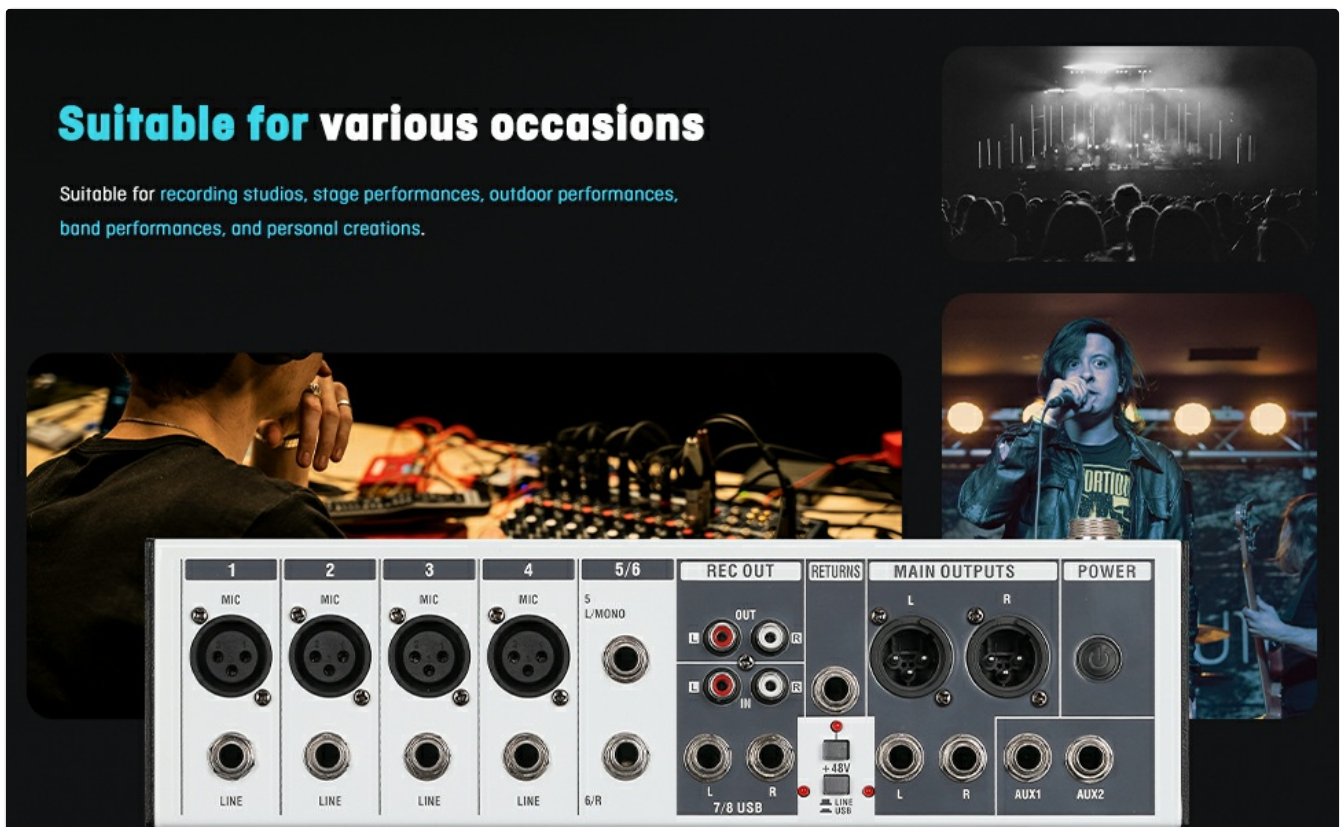


Image: 3-Band Equalizer Control. Adjust high, medium, and low frequencies for each channel.

- **3-Band Channel EQ:** Each input channel features HIGH, MID, and LOW knobs to shape the tone of individual sources. Adjust these to enhance clarity or correct frequency imbalances.



Image: 7-Band Stereo Graphic Equalizer. Adjust the master output frequency response.

- **7-Band Graphic EQ:** The master section includes a 7-band graphic equalizer. Use the faders to fine-tune the overall frequency response of your main mix.

4. 48V Phantom Power

Product description

OUTPUTS/INPUTS

MIC / LINE INPUT	XLR/AUX6.35MM JACK
5/6 CH LINE INPUT	AUX6.35MM JACK
REC/LINE INPUT	RCA/AUX6.35MM
REC OUTPUT	L/R RCA INPUT
MAIN OUTPUT	XLR/AUX6.35MM
AUX1/AUX2 OUTPUT	AUX6.35MM

Image: 48V Phantom Power. Provides power for condenser microphones, reducing background noise.

The mixer provides 48V phantom power for condenser microphones. Activate the 48V switch only when using condenser microphones that require it. Ensure dynamic microphones are not connected when 48V is active, as this could cause damage.

5. DSP Effects



Image: 256 DSP Digital Effects. Select and apply various effects like reverb, echo, and chorus.

The mixer includes a 256 DSP effects processor. Use the PROGRAM knob and the HD screen to select from various effects such as reverb, echo, chorus, and more. Adjust the FX send knobs on individual channels to apply effects to specific inputs.

6. Bluetooth Connectivity

The built-in Bluetooth 5.0 allows wireless streaming of audio from your smartphone or other Bluetooth-enabled devices. Activate Bluetooth mode on the mixer, then pair with your device. The LED display will show the song name during playback.

7. USB Playback and Recording

Insert a USB drive with MP3 files into the USB port for direct playback. Use the transport controls (play, pause, skip) on the mixer. The USB interface also supports recording the main mix directly to a connected USB device.

8. Headphone Monitoring



256 DSP

- 1-16:hall
- 17-32:room
- 33-48:chorus
- 49-64:plate
- 65-80:echo
- 81-96:flanger
- 97-112:autowah
- 113-128:reverb
- 129-144:pingpong
- 145-160:pitch+rev
- 161-176:radiovoice
- 177-192:stereodelay
- 193-208:tremolo
- 209-224:flanger+rev
- 225-240:autowah+rev
- 241-256:chorus+rev



FILTER THE EFFECT SERIAL NUMBER AND
PRESS THE BUTTON TO SELECT IT



Image: Headphone Monitoring. Supports stage-level monitoring via the 6.35mm interface.

Connect headphones to the 1/4-inch PHONES jack. Use the dedicated headphone volume control to adjust the monitoring level without affecting the main output.

MAINTENANCE

- **Cleaning:** Regularly wipe the mixer's surface with a soft, dry, lint-free cloth. Avoid abrasive cleaners or solvents.
- **Dust Protection:** When not in use, cover the mixer to protect it from dust and debris.
- **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 connectors.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output	Power off; cables disconnected; faders down; incorrect input selection.	Check power, all cable connections, raise faders, verify input source.
Distorted sound	Input gain too high; output level too high; faulty cable.	Reduce GAIN and output levels; try a different cable.
Microphone not working	48V phantom power off (for condenser mics); mic cable faulty; gain too low.	Activate 48V (if needed); check mic cable; increase GAIN.
Bluetooth not connecting	Mixer not in Bluetooth mode; device too far; interference.	Ensure mixer is in Bluetooth mode; bring device closer; restart both devices.

SPECIFICATIONS

Feature	Detail
Brand	BOMGE
Number of Channels	8
Connectivity Technology	USB, Bluetooth
Power Source	110V AC
Output Connector Types	6.35mm, RCA, USB, XLR
Audio Input Types	Microphone, Musical Instrument, Mobile Phone, Computer, Bluetooth
DSP Effects	256 (Reverb, Equalization, etc.)
Equalizer	3-Band per channel, 7-Stage Graphic EQ for master
Phantom Power	48V
Bluetooth Version	5.0

WARRANTY AND SUPPORT

This BOMGE Audio Mixer comes with a **1-year warranty** from the date of purchase, covering manufacturing defects. Please retain your proof of purchase for warranty claims.

For technical support, troubleshooting assistance, or warranty inquiries, please contact the seller or BOMGE customer service. Refer to the contact information provided with your purchase or visit the official BOMGE website for support resources.