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› [BOMGE](#) /

› BOMGE 6-Channel Audio DJ Console Mixer User Manual

BOMGE 06E-grey

BOMGE 6-Channel Audio DJ Console Mixer User Manual

Model: BMG-06E

1. PRODUCT OVERVIEW

The BOMGE 6-channel Audio DJ Console Mixer (BMG-06E) is a versatile audio mixing solution designed for various applications including home studio music production, live performances, karaoke, and online broadcasting. It integrates a mixer with dual UHF wireless microphones, offering multiple input and recording options.



Figure 1: BOMGE 6-Channel Audio DJ Console Mixer with included wireless microphones.

Key Features:

- Integrated 6-channel audio mixer with dual UHF wireless microphones.
- Multiple audio input modes: 4 XLR mono inputs (with 48V phantom power), 1 stereo 6.3mm XLR, USB, Bluetooth, and RCA.
- Built-in sound card and audio interface for direct recording to PC, USB flash disk, and mobile devices.
- 16 DSP Echo/Delay effects for enhanced audio.
- UHF professional automatic frequency technology for stable wireless transmission up to 85 meters.
- High sensitivity moving coil microphone core with noise reduction.

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Video 1: Overview of the BOMGE 06E Audio Mixer, demonstrating its features, microphone input tests, Bluetooth connectivity, and outdoor range testing.

2. SETUP AND CONNECTIONS

2.1 Connecting Devices

The mixer supports a wide range of audio input devices. Ensure all connections are secure before powering on the unit.

Connection to Multiple Devices

compatible with various devices easily



Figure 2: Connection diagram for various devices including guitars, microphones, speakers, and computers.

- **XLR Inputs (Channels 1-4):** Connect dynamic or condenser microphones (requires 48V phantom power for condenser mics) and other XLR-compatible devices.
- **6.3mm Inputs:** Use for instruments like guitars or keyboards.
- **RCA Inputs:** For connecting devices with RCA outputs, such as CD players or other audio sources.
- **USB Port:** Connect a USB flash drive for MP3 playback or a PC for recording and playback.
- **Bluetooth:** Pair with mobile devices for wireless audio input.

2.2 Bluetooth Connection

To connect via Bluetooth, select the Bluetooth input mode on the mixer. Search for "BMG-06E" on your mobile device's Bluetooth settings and pair. Note that MP3, Bluetooth, and USB functions are mutually exclusive and cannot be used simultaneously.



Figure 3: Establishing a Bluetooth connection for audio playback from a smartphone.

3. OPERATING THE MIXER

3.1 Microphone Operation

The mixer comes with two UHF wireless microphones. These microphones feature automatic frequency alignment for stable transmission. For optimal performance, ensure the microphones are within the effective range (up to 85 meters).



Figure 4: UHF wireless microphones with an ultra-long transmission distance of up to 85 meters.

The mixer also supports dynamic and condenser microphones via its XLR inputs. For condenser microphones, activate the 48V phantom power switch located near the input jack.

Product size display



Figure 5: The built-in wireless receiver automatically matches frequencies for stable microphone performance.

3.2 Real-time Monitoring

Connect headphones to the PHONES output to monitor audio in real-time. This allows for precise tuning and adjustment of effects.

6-channel mixer with wireless microphone

High-quality chip processing sound
Restore the real sound
Ensure the quality of the audio source



Figure 6: Real-time monitoring function allows users to hear the audio output directly through headphones.

3.3 DSP Effects

The mixer features 16 built-in DSP (Digital Signal Processor) effects, including Echo and Delay. Use the PROGRAM knob to select an effect and the DSP/ECHO knob to adjust its intensity.



Figure 7: The mixer offers 16 DSP effects for sound customization.

4. MAINTENANCE

To ensure the longevity and optimal performance of your BOMGE mixer, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the surface of the mixer. Avoid using abrasive cleaners or solvents that could damage the finish or internal components.
- **Storage:** Store the mixer in a cool, dry place away from direct sunlight, excessive heat, or moisture.
- **Handling:** Handle the mixer and microphones with care to prevent physical damage. Avoid dropping or subjecting them to strong impacts.
- **Power:** Always disconnect the power cable when the mixer is not in use for extended periods or during cleaning.

5. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No sound output.	Incorrect connections, low volume levels, power issue.	Check all cable connections. Ensure volume knobs (GAIN, LEVEL, MAIN OUT) are turned up. Verify power supply.
Wireless microphone cutting out or poor signal.	Out of range, interference, low microphone battery.	Ensure microphones are within 85 meters of the mixer. Check for strong interference sources. Replace microphone batteries (2 AA batteries required per mic).
Bluetooth connection unstable or disconnecting.	Interference, distance, simultaneous USB/MP3 use.	Ensure no other devices are actively connected via USB or MP3. Reduce distance between mixer and Bluetooth device. Minimize other wireless interference.
Condenser microphone not working.	48V phantom power not activated.	Ensure the +48V phantom power switch for the specific channel is turned ON.
Excessive feedback or noise.	Microphone too close to speakers, high gain settings.	Adjust microphone position relative to speakers. Lower GAIN or LEVEL settings on affected channels.

6. SPECIFICATIONS

Detailed technical specifications for the BOMGE 6-Channel Audio DJ Console Mixer (BMG-06E):

Feature	Detail
Brand	BOMGE
Model Number	06E-grey (Product variant), 04E (Item model number)
Number of Channels	6
Phantom Power	48 Volts (for XLR inputs)
Connectivity Technology	Wireless (UHF), XLR, USB, Bluetooth
DSP Effects	16 (Echo, Delay)
Wireless Microphone Range	Up to 85 meters (UHF band: 470MHz-608MHz)
Item Weight	4 pounds (1.82 Kilograms)
Package Dimensions	15.63 x 11.54 x 3.39 inches

Feature	Detail
Body Material	Metal
Power Source	Corded Electric
Batteries (Microphones)	2 AA batteries required (per microphone)



Figure 8: Product dimensions for the mixer and wireless microphone.

7. WARRANTY AND SUPPORT

For detailed warranty information and customer support, please refer to the official BOMGE documentation or contact BOMGE customer service directly.

An official User Guide (PDF) is available for download: [BOMGE 06E User Guide \(PDF\)](#).

For further assistance, visit the [BOMGE Store on Amazon](#).

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question