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› BOMGE Professional 6 Channel Bluetooth DJ Audio Mixer Controller User Manual

BOMGE 6 Channel

BOMGE Professional 6 Channel Bluetooth DJ Audio Mixer Controller User Manual

Model: 6 Channel

1. INTRODUCTION

This user manual provides comprehensive instructions for the BOMGE Professional 6 Channel Bluetooth DJ Audio Mixer Controller. This device is designed for professional audio mixing and recording, featuring multiple input options, a 24-bit 99 DSP effects processor, USB audio interface capabilities, and Bluetooth wireless streaming. It is suitable for DJ parties, music recordings, and various audio production environments.



Figure 1: BOMGE 6 Channel Audio Mixer

2. SAFETY INFORMATION

- Read all instructions carefully before operating the device.
- Keep the device away from water, moisture, and extreme temperatures.
- Do not open the casing; refer all servicing to qualified personnel.
- Use only the specified power supply.
- Avoid placing heavy objects on the device.
- Ensure proper ventilation to prevent overheating.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- BOMGE Professional 6 Channel Bluetooth DJ Audio Mixer Controller
- Power Adapter (5V DC)
- USB Cable
- User Manual (this document)

4. PRODUCT OVERVIEW: CONTROLS AND CONNECTIONS

Familiarize yourself with the various controls and input/output ports on your mixer.

4.1 Front Panel Controls

INTRODUCTION OF THE FUNCTION KEY



Figure 2: Front Panel Controls and Functions

- **GAIN Knob:** Adjusts the input sensitivity for each channel.
- **EQUALIZATION (HIGH/LOW):** Controls the treble and bass frequencies for each channel.
- **EFFECT Knob:** Adjusts the amount of effect applied to each channel.
- **VOLUME Knob:** Controls the output level of each channel.
- **48V SWITCH:** Activates +48V phantom power for condenser microphones on channels 1 and 2.
- **PAD SWITCH (26dB):** Reduces the input signal by 26dB for high-output sources.
- **MP3 MODE SWITCH:** Toggles between USB/MP3 playback and Bluetooth mode.
- **DSP SELECTION / MAIN EFFECT KNOB:** Selects from 99 built-in DSP effects and adjusts their parameters.
- **POWER (ON/OFF):** Turns the mixer on or off.
- **VOLUME Knob (PHONES/MAIN):** Controls the headphone and main output volume.
- **LED Level Meters:** Displays the output signal level.

4.2 Input/Output Ports

MORE STABLE LONGER DISTANCE

0 LATENCY, FAST RESPONSE TO
PLAY MUSIC



Figure 3: Input and Output Socket Information

- **MIC/LINE Combo Jacks (Channels 1 & 2):** Accepts XLR or 1/4-inch (6.35mm) inputs for microphones, line-level devices, or guitars.
- **3/4 (MONO) Inputs:** 1/4-inch (6.35mm) inputs for mono line-level devices.
- **AUX Inputs (L/R):** RCA inputs for external audio sources.
- **PHONE Output:** 1/4-inch (6.35mm) stereo output for headphones.
- **MAIN OUT (L/R):** 1/4-inch (6.35mm) stereo outputs for connecting to amplifiers or powered speakers.
- **U-DISK MP3/BT Port:** USB port for flash drives and integrated Bluetooth module.
- **FX OUT:** 1/4-inch (6.35mm) output for sending signal to external effects processors.
- **LIVE OUT:** 1/4-inch (6.35mm) output for live streaming or secondary monitoring.

BACKSIDE FUNCTIONS

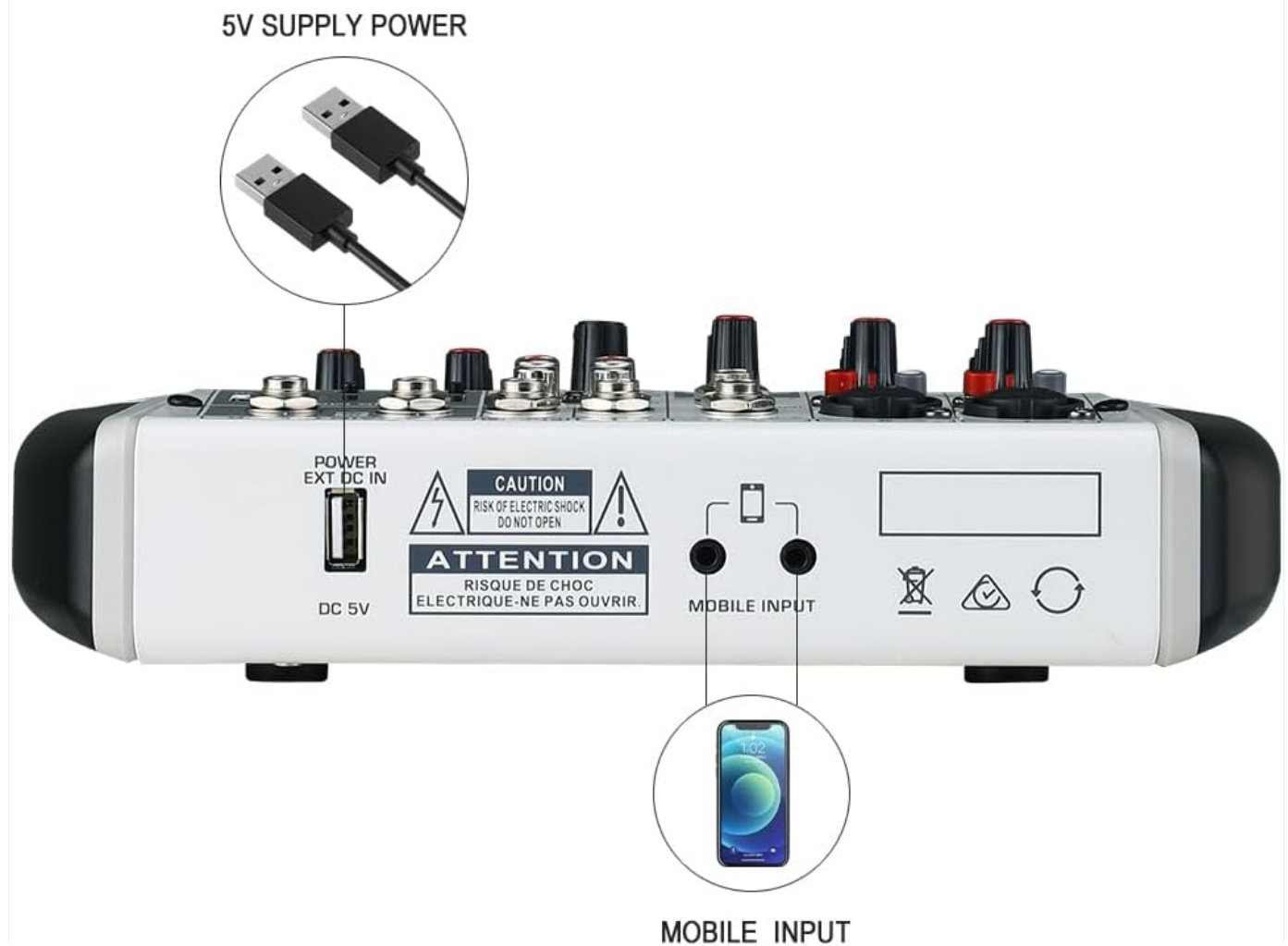


Figure 4: Back Panel Connections

- **DC 5V Power Input:** Connects to the provided 5V power adapter.
- **MOBILE INPUT:** Two 3.5mm jacks for connecting mobile devices.

5. SETUP GUIDE

5.1 Power Connection

1. Ensure the mixer's power switch is in the OFF position.
2. Connect the provided 5V power adapter to the "DC 5V" input on the rear panel of the mixer.
3. Plug the power adapter into a suitable electrical outlet.
4. Press the POWER button on the front panel to turn on the mixer. The power indicator LED will illuminate.

SOCKET INFORMATION

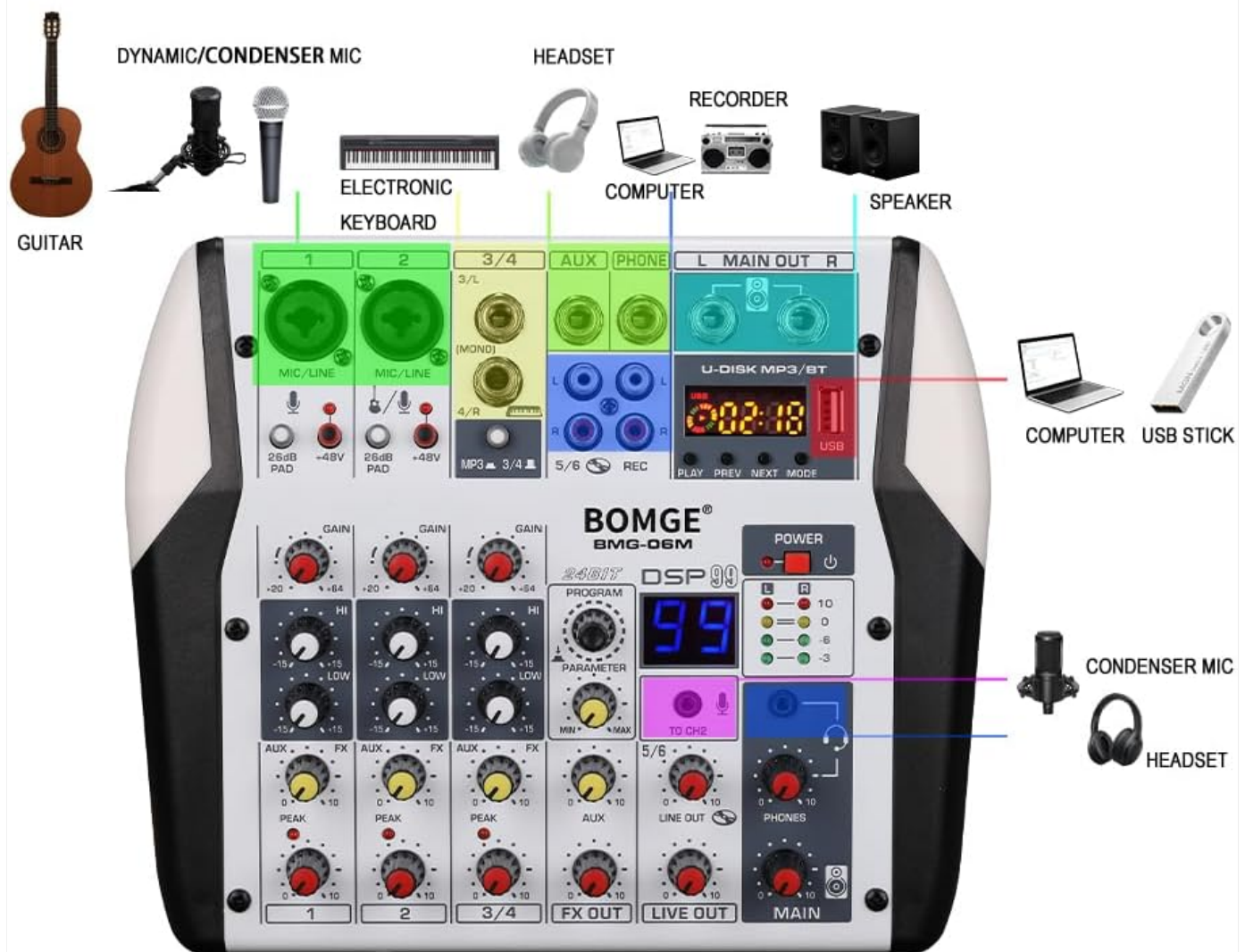


Figure 5: Power Supply and USB Connection

5.2 Connecting Audio Sources

1. Microphones/Instruments (Channels 1 & 2):

- For XLR microphones, connect directly to the combo jack.
- For 1/4-inch (6.35mm) instruments (e.g., guitar) or line-level devices, connect to the combo jack.
- If using a condenser microphone, activate the +48V PHANTOM POWER switch for the respective channel.
- If the input signal is too strong, engage the 26dB PAD switch.

2. **Line-Level Devices (Channels 3/4):** Connect devices like keyboards or media players to the 1/4-inch (6.35mm) MONO inputs.

3. **RCA AUX Inputs:** Connect devices with RCA outputs (e.g., CD players, older media players) to the AUX L/R inputs.

4. **Mobile Devices:** Use the 3.5mm MOBILE INPUT jacks on the rear panel for connecting smartphones or tablets.

5.3 Connecting Output Devices

1. **Main Output:** Connect the MAIN OUT L/R jacks to your amplifier, powered speakers, or recording interface using 1/4-inch (6.35mm) cables.

2. **Headphones:** Connect your headphones to the PHONE output for monitoring.
3. **External Effects:** Use the FX OUT to send audio to an external effects unit.
4. **Live Output:** Use the LIVE OUT for dedicated live streaming or secondary monitoring.

5.4 USB Audio Interface Connection (PC/Mac)

The mixer can function as a USB audio interface for recording and playback with a computer.

1. Connect the mixer to your computer using a USB cable via the U-DISK MP3/BT port.
2. The computer should automatically recognize the mixer as an audio device. Select it as your input/output device in your operating system's sound settings or your Digital Audio Workstation (DAW) software.

5.5 Bluetooth Pairing



Figure 6: Bluetooth Connectivity

1. Press the MP3 MODE switch on the mixer until "BLUE" appears on the display.
2. On your Bluetooth-enabled device (smartphone, tablet, etc.), search for available Bluetooth devices.

3. Select "BOMGE Mixer" (or similar name) from the list to pair.
4. Once paired, audio from your device will stream wirelessly to the mixer.

Note: The Bluetooth input is typically routed through channels 3/4 and controlled by their respective volume and EQ knobs.

5.6 Setup and Connection Demonstration Video

Your browser does not support the video tag.

Video 1: Demonstrates the setup and connection process for the BOMGE 6 Channel Audio Mixer, including power, audio inputs, and Bluetooth pairing. It also shows the application of various DSP effects.

6. OPERATING INSTRUCTIONS

6.1 Basic Mixing

1. **Adjusting Gain:** For each input channel, slowly turn the GAIN knob clockwise until the signal is strong but not clipping (indicated by the PEAK LED briefly flashing).
2. **Equalization:** Use the HIGH and LOW EQ knobs to shape the tone of each channel. Turn clockwise to boost frequencies, counter-clockwise to cut.
3. **Channel Volume:** Adjust the individual VOLUME knobs for each channel to balance the levels of different audio sources.
4. **Main Output Volume:** Use the MAIN volume knob to control the overall output level sent to your speakers or recording device. Monitor the LED level meters to prevent clipping.
5. **Headphone Monitoring:** Adjust the PHONES volume knob to set your desired monitoring level.

6.2 Using DSP Effects



Figure 7: List of 99 DSP Effects

The mixer features 99 built-in DSP (Digital Signal Processor) effects to enhance your audio.

1. **Selecting Effects:** Turn the PROGRAM knob to cycle through the 99 available effects. The selected effect number will be displayed on the digital screen.
2. **Applying Effects:** Use the EFFECT knob on each channel to send a portion of that channel's signal to the DSP effects processor.
3. **Adjusting Effect Parameters:** The PARAMETER knob allows fine-tuning of the selected effect (e.g., decay time for reverb, delay time for echo).

PRODUCT SIZE

WEIGHTS:(0.97KG)



Figure 8: 48V Phantom Power Button

6.3 USB/Flash Drive Playback and Recording

Insert a USB flash drive containing MP3 files into the U-DISK MP3/BT port. Use the PLAY/PAUSE, PREV, and NEXT buttons to control playback. The mixer can also record directly to a USB flash drive by pressing the REC button.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the mixer. Do not use liquid cleaners or solvents.
- **Storage:** Store the mixer in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping or subjecting the mixer to strong impacts.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power adapter not connected; power switch off; faulty outlet.	Check power connections; ensure power switch is ON; try a different outlet.
No sound output	Volume knobs too low; incorrect input/output connections; faulty cables.	Increase MAIN and channel volumes; verify all cables are correctly connected; test with different cables.
Microphone not working	Phantom power off (for condenser mics); gain too low; faulty mic/cable.	Activate +48V phantom power if needed; increase GAIN; test with a different microphone or cable.
Bluetooth not connecting	Mixer not in Bluetooth mode; device too far; interference.	Ensure mixer display shows "BLUE"; move device closer; restart both devices.
DSP effects not audible	EFFECT knob turned down; incorrect effect selected.	Increase the EFFECT knob on the desired channel; try different DSP programs.

9. SPECIFICATIONS

Feature	Detail
Brand	BOMGE
Model Number	6 Channel
Number of Channels	6
Item Weight	2.75 pounds (1.25 Kilograms)
Product Dimensions	9.06 x 7.87 x 1.57 inches
Material	Metal
Power Source	Electric (5 Volts AC)
Connectivity Technology	Bluetooth, Auxiliary, USB
Hardware Interface	1/4-inch Audio, Micro USB 2.0 Type AB, USB 3.0
Connector Type	1/4-Inch Stereo, XLR to 1/4-Inch, 1/4-Inch Straight, XLR to XLR
Compatible Devices	PC, Android, iPhone, Mac
DSP Processor	24-Bit 99 DSP Processor
Phantom Power	+48V

10. WARRANTY INFORMATION

BOMGE products are manufactured to high quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your product or contact BOMGE customer support directly. Keep your purchase receipt as proof of purchase for any warranty claims.

11. CUSTOMER SUPPORT

If you encounter any issues or have questions not covered in this manual, please contact BOMGE customer support for assistance. You can find contact information on the official BOMGE website or through your retailer. For more information, visit the [BOMGE Store on Amazon](#).

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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

you@example.com

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