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› BOMGE 6 Channel Mini DJ Audio Sound Mixer Console User Manual

BOMGE black

BOMGE 6 Channel Mini DJ Audio Sound Mixer Console User Manual

Model: black | Brand: BOMGE

1. INTRODUCTION

The BOMGE 6 Channel Mini DJ Audio Sound Mixer Console is a versatile and compact audio mixing solution designed for various applications including karaoke, live streaming, PC recording, and small band performances. It features a built-in sound card, USB interface, Bluetooth connectivity, 48V phantom power, and 24 DSP effects, offering strong compatibility and low noise performance.

2. SAFETY INFORMATION

- Do not expose this unit to rain or moisture to avoid fire or electric shock.
- Do not open the casing. There are no user-serviceable parts inside. Refer all servicing to qualified personnel.
- Ensure the power adapter is correctly rated for your local power supply.
- Avoid placing the unit near heat sources or in direct sunlight.
- Disconnect power before cleaning or when not in use for extended periods.

3. PACKAGE CONTENTS

Upon opening the package, please verify that all items are present and in good condition:

- BOMGE 6 Channel Mini DJ Audio Sound Mixer Console
- Power Adapter
- Power Cord/Cable
- User Manual (this document)

4. PRODUCT OVERVIEW

The BOMGE 06F mixer is designed for intuitive operation, featuring a comprehensive set of controls and input/output options.



Figure 4.1: Front view of the BOMGE 06F Mixer, highlighting its compact design and control layout.

4.1. Key Features

- **6-Channel Input:** Includes 4 mono inputs (XLR/1/4" unbalanced) and 1 stereo input (USB/Bluetooth).
- **48V Phantom Power:** Available on 4 channels for condenser microphones.
- **Built-in Sound Card & Audio Interface:** Enables direct recording to PC/MAC.
- **Bluetooth 4.0 Connectivity:** For wireless audio streaming from mobile devices.
- **24 DSP Effects:** Integrated digital effects processor for various vocal and instrumental enhancements.
- **USB Playback & Recording:** Supports audio playback from and recording to USB drives.



Figure 4.2: Overview of the mixer's core functionalities.

4.2. Controls and Connections

Familiarize yourself with the various controls and connection points on the mixer.

- **MIC/LINE Inputs (Channels 1-4):** Combo XLR/1/4" jacks for microphones or line-level instruments.
- **+48V Phantom Power Switch:** Activates phantom power for condenser microphones.
- **TRIM Knob:** Adjusts the input gain for each channel.
- **HIGH/LOW EQ Knobs:** Adjusts treble and bass frequencies for each channel.
- **EFF Knob:** Controls the amount of effect applied to each channel.
- **PEAK LED:** Illuminates when the input signal is too high, indicating potential clipping.
- **LEVEL Knob:** Adjusts the output level of each channel to the main mix.
- **REC OUT (RCA):** Stereo output for recording.
- **LEFT OUT / RIGHT OUT (XLR Balanced):** Main stereo outputs.
- **PHONES (1/4" Stereo):** Headphone output with dedicated level control.
- **USB Interface:** For PC connection and USB drive playback/recording.
- **Bluetooth Button:** Activates Bluetooth pairing mode.
- **DSP Section:** Controls for selecting and adjusting the 24 built-in effects.
- **MAIN OUT Level Knob:** Controls the overall output volume.

AJUSTE DE PERILLA

Con ajuste de amortiguación, más fácil de operar.



Alto y bajo



PERILLA DE
SINTONIZACIÓN



Figure 4.3: Detailed view of the mixer's control knobs.

Conexión a múltiples dispositivos

compatible con varios dispositivos fácilmente



Figure 4.4: Multiple device connection options.

5. SETUP GUIDE

5.1. Powering On

1. Connect the provided power adapter to the mixer's 5V DC input.
2. Plug the power adapter into a suitable power outlet. The mixer can also be powered by a computer USB port, power bank, or car charging power supply.
3. Press the POWER button to turn on the mixer.

5.2. Connecting Audio Devices

The mixer supports various input types:

- **Microphones:** Connect dynamic microphones via XLR or 1/4" jacks. For condenser microphones, connect via XLR and activate the +48V PHANTOM POWER switch.

- **Instruments:** Connect instruments like guitars or keyboards to the 1/4" LINE inputs.
- **External Audio Sources:** Use the 5/6 stereo input (RCA or 1/4" jacks) for devices like CD players or media players.

FUENTE DE ALIMENTACIÓN 4

**Solo se admiten cuatro canales para
Proporcione energía de fantasía de +48V**



Figure 5.1: Phantom power and input connections.

5.3. Connecting to PC/MAC for Recording

The mixer functions as an audio interface for your computer.

1. Ensure the mixer is powered on.
2. Connect the mixer to your PC or MAC using a USB cable.
3. On the mixer, dial the button on the back of the BMG-06F to the "PC" end.
4. Your computer should automatically recognize the mixer as an audio device (e.g., "JiaLi BR21"). No specific driver installation is typically required.
5. Select the mixer as your input device in your recording software (e.g., Audacity, GarageBand).

RECORD TO PC

Four steps for USB connection to computer

Step1



Dial the button on the back of BMG-04F to the "PC" end

Step2



Connect to PC/MAC with USB cable

Step3



No driver is needed, 04F's device identification name on the computer is "JieLi BR21"

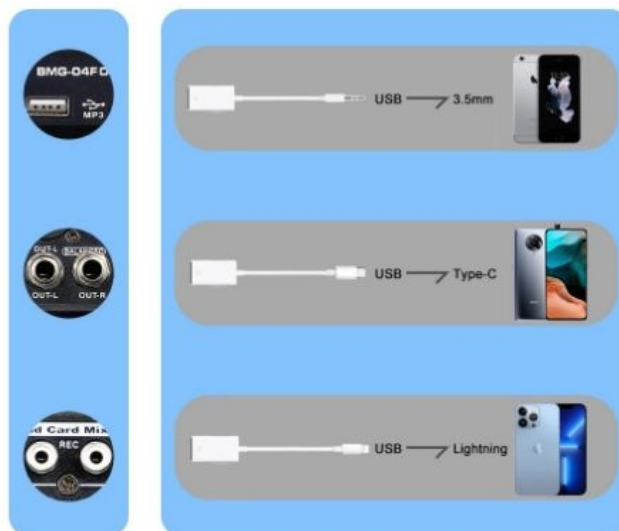
Step4



Enjoy recording and audio editing on your computer

How to broadcast live on mobile

Only USB cable and OTG are needed to connect the mixer to the phone



Tips: OTG converter is not included in the product list, please purchase separately if necessary

Figure 5.2: PC recording and mobile live broadcast setup.

5.4. Connecting to Mobile for Live Broadcasting

The mixer is designed for mobile live streaming and recording. Note that required cables and adapter plugs are not included and must be purchased separately.

- Use an appropriate OTG converter cable (e.g., USB to 3.5mm, USB to Type-C, USB to Lightning) to connect the mixer's USB port to your mobile phone.
- Ensure your mobile device recognizes the mixer as an external audio input.
- Open your live streaming or recording application and select the mixer as the audio input source.

6. OPERATION

6.1. Basic Mixing

- **Gain Adjustment (TRIM):** Adjust the TRIM knob for each channel to achieve an optimal input level. The PEAK LED should only flash occasionally.
- **Equalization (HIGH/LOW):** Use the HIGH and LOW knobs to shape the tone of each input. Turn clockwise to boost frequencies, counter-clockwise to cut.
- **Channel Level (LEVEL):** Adjust the LEVEL knob for each channel to control its volume in the main mix.
- **Main Output Level (MAIN OUT):** Control the overall volume of the mix using the MAIN OUT level knob.
- **Headphone Monitoring (PHONES):** Connect headphones to the PHONES jack and adjust the PHONES level knob for monitoring.

6.2. Bluetooth Connectivity

Connect your smartphone, tablet, or computer wirelessly to the mixer.

1. Press the BT button on the mixer to activate Bluetooth pairing mode. The display will show "BT".

2. On your mobile device, search for Bluetooth devices and select "BOMGE MIXER" (or similar).
3. Once paired, you can stream audio from your device to the mixer.
4. Use the dedicated controls on the mixer (e.g., play/pause, skip songs) for media playback.



Figure 6.1: Bluetooth wireless connection.

6.3. Using DSP Effects

The mixer includes 24 built-in digital signal processing (DSP) effects.

- **Effect Selection:** Use the DSP knob to cycle through the 24 available effects. The selected effect number will be displayed.
- **Effect Parameter Adjustment:** Use the PARAMETER knob to adjust specific parameters of the selected effect (e.g., delay time, reverb decay).
- **Applying Effects to Channels:** Use the EFF knob on each input channel to send a portion of that channel's signal to the DSP effects processor.

24DSP Explicación detallada

Real 24DSP, puede reproducir el efecto de sonido adecuado para varias ocasiones

1.Cambiador de voz	2.sonido magico	3.la voz del niño	4.Demora-A
5.Demora-B	6.Demora-C	7.Demora-D	8.Demora-E
9.Demora-F	10.Demora-G	11.Eco+Retardo-A	12.Eco+Retardo-B
13.Eco+Retardoy-C	14.Eco+Retardo-D	15.Eco+Retardo-E	16.Eco+Retardo-F
17.Eco+Retardo-G	18.Eco+Retardo-H	19.Eco+Retardo-I	20.Eco+Retardo-J
21.Eco+Retardo-K	22.Eco+Retardo-L	23.Eco+Retardo-M	24.Eco+Retardo-N



Figure 6.2: List of 24 DSP effects.

6.4. USB Playback and Recording

The USB port allows for direct playback from a USB drive and recording to it.

- **USB Playback:** Insert a USB drive containing audio files into the USB port. The mixer will automatically detect and begin playback. Use the transport controls (play/pause, next/previous) on the mixer.
- **USB Recording:** Press the REC button to start recording the main mix directly to the inserted USB drive. Press REC again to stop.

Your browser does not support the video tag.

Video 6.1: Demonstration of the BOMGE 06F audio mixer's features, including microphone input and DSP effects. This video showcases the mixer's functionality and sound quality.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the mixer. Do not use liquid cleaners or aerosols.
- **Storage:** Store the mixer in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Management:** Ensure cables are not kinked or strained to prevent damage to the connectors and ports.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output.	Power off; cables loose; volume too low; incorrect input/output selection.	Check power connection; ensure all cables are securely connected; increase MAIN OUT and channel LEVEL knobs; verify correct input/output routing.
Distorted audio.	Input gain (TRIM) too high; output level too high; faulty cable.	Reduce TRIM knob until PEAK LED no longer illuminates constantly; lower MAIN OUT level; try a different cable.
Microphone not working (condenser mic).	48V Phantom Power not activated.	Ensure +48V PHANTOM POWER switch is ON.
Bluetooth not connecting.	Mixer not in pairing mode; device too far; interference.	Press BT button to enter pairing mode; ensure device is within 30ft; reduce interference from other wireless devices.
Cannot record to PC.	Incorrect USB mode; software settings.	Ensure mixer is set to PC mode (dial on back); select mixer as input device in recording software.

9. SPECIFICATIONS

- **Number of Channels:** 6
- **Connectivity Technology:** XLR, RCA, 6.35mm, USB, Bluetooth
- **Phantom Power:** +48V (on 4 channels)
- **DSP Effects:** 24 built-in effects
- **Power Source:** Corded Electric (5V)
- **Operating System Compatibility:** Windows, Mac
- **Product Dimensions:** 7.48"D x 8.27"W x 1.69"H (19 x 21 x 4.3 cm)
- **Item Weight:** 1.32 pounds (600 Grams)
- **Country of Origin:** China

21cm/8.27in



19cm/7.48in

PRODUCTO TALLA

Nota: los disparos ligeros y las diferentes pantallas pueden causar el color del artículo en la imagen un poco diferente de la cosa real. El error de medición permitido es de $\pm 1-3$ cm.

2.5cm/0.98in



4.3cm/1.69in

Figure 9.1: Product dimensions.

10. WARRANTY AND SUPPORT

BOMGE products are manufactured to the highest quality standards. For detailed warranty information and technical support, please refer to the official BOMGE website or contact your local distributor. A PDF version of the user guide is also available for download.

Official User Guide (PDF): [Download Here](#)