

BOMGE BMG-06S

BOMGE BMG-06S Professional Audio Mixer Instruction Manual

Model: BMG-06S

PRODUCT OVERVIEW

The BOMGE BMG-06S is a professional 6-channel audio mixer designed for versatile applications, including studio recording and live performances. It provides precise control over audio signals, featuring independent channel adjustments, a wide array of DSP effects, and comprehensive connectivity options to meet the demands of various audio environments.

Key Features

- **6-Channel Professional Mixing Control:** Each channel is equipped with independent master volume, EQ adjustment (high/low frequencies), and balance control, enabling precise audio blending from multiple sources.
- **99 DSP Effects:** A built-in sound effects processor offers 99 digital effects, which can be applied to synthesized or recorded sounds. The clear screen display indicates the currently selected effect.
- **Independent +48V Phantom Power:** Four channels are capable of independently supplying +48V phantom power, essential for condenser microphones, ensuring high clearance and signal integrity.
- **Real-Time LED Audio Signal Monitoring:** An innovative LED display visually tracks audio signal strength, assisting in dynamic volume adjustments and maintaining optimal sound quality during performances or recording sessions.
- **Versatile Connectivity:** Supports Bluetooth 5.0 for wireless audio streaming, USB for plug-and-play audio playback and recording, and various wired inputs/outputs including XLR, 6.35mm, and RCA.

SETUP GUIDE

Unpacking and Initial Inspection

Carefully remove the BOMGE BMG-06S mixer from its packaging. Inspect the unit for any visible damage that may have occurred during transit. Confirm that all included accessories, such as the power adapter and any documentation, are present.

Power Connection

Connect the provided power adapter to the mixer's designated power input port. Then, plug the adapter into a standard electrical outlet. Press the power button, typically located on the top panel, to turn on the mixer. The power indicator light should illuminate.

Connecting Audio Sources

The BMG-06S offers a variety of input options for different audio sources:

- **Microphones:** Connect XLR microphones to the balanced XLR inputs on the mixer. For condenser microphones, ensure to activate the +48V Phantom Power switch for the corresponding channel.
- **Line-Level Devices:** Use 6.35mm (1/4 inch) TRS or TS cables to connect instruments, keyboards, or other line-level audio devices to the appropriate channel inputs.
- **External Audio Players:** Devices such as MP3 players or CD players can be connected via RCA inputs or, if available, a 3.5mm auxiliary input.
- **USB Connection:** Insert a USB flash drive into the USB port for direct audio file playback. Alternatively, connect the mixer to a computer via USB for digital audio input/output, enabling recording and playback through a Digital Audio Workstation (DAW).
- **Bluetooth:** Activate the Bluetooth function on the mixer and pair your Bluetooth-enabled device (e.g., smartphone, tablet) for wireless audio streaming.

Connecting Output Devices

Connect your main speakers, power amplifier, or recording interface to the L/R MAIN outputs of the mixer using appropriate cables (e.g., XLR or 6.35mm). For personal monitoring, plug headphones into the dedicated PHONE output jack.

OPERATING INSTRUCTIONS

Channel Control

Each of the 6 input channels on the BMG-06S features a set of individual controls for precise audio shaping:

- **GAIN Knob:** Adjusts the input sensitivity for the connected audio source. Set this knob to ensure a strong signal without causing clipping, which is indicated by the illumination of the PEAK LED.
- **EQ (HI/LOW) Knobs:** These two knobs allow you to adjust the high and low frequencies of the channel's audio signal, enabling tone shaping to suit your preferences or the audio source.
- **FX Knob:** Controls the amount of the selected DSP effect that is applied to the signal of the individual channel.
- **PAN Knob:** Adjusts the stereo position of the channel's signal, allowing you to pan the sound between the left and right main outputs.
- **LEVEL Fader/Knob:** Controls the overall output volume of the individual channel as it is sent to the main mix.

DSP Effects (99 Presets)

The mixer is equipped with 99 integrated DSP effects. To select an effect, rotate the **PROGRAM** knob. The LCD screen will display the corresponding effect number. Use the **PARAMETER** knob to fine-tune specific settings of the chosen effect, such as delay time for echo effects or decay for reverb effects.

Bluetooth Connectivity

To establish a wireless audio connection via Bluetooth:

1. Press the **BT** button on the mixer's control panel to activate Bluetooth pairing mode.
2. On your Bluetooth-enabled device (e.g., smartphone, tablet, computer), navigate to the Bluetooth settings and search for available devices.
3. Select "BOMGE BMG-06S" (or a similar identifier) from the list to pair. Once successfully connected, audio from your device will be routed through the mixer.

USB Playback and Recording

For direct audio playback, insert a USB flash drive containing audio files into the mixer's USB port. Use the transport controls (play/pause, next/previous track) on the mixer to manage playback. The USB interface also facilitates connection to a computer, allowing the mixer to function as an audio interface for recording and playback within a Digital Audio Workstation (DAW) software.

Phantom Power (+48V)

When using condenser microphones, activate the +48V phantom power switch for the specific channel to provide the necessary power. It is crucial to ensure that dynamic microphones are not connected to channels with active phantom power, as this may cause damage to the microphone.

Monitoring

Utilize the LED peak indicators on each channel and the main output to visually monitor signal levels. Adjust the **GAIN** and **LEVEL** knobs to prevent signal clipping, which is indicated by the illumination of the red PEAK LED. For personal monitoring, connect headphones to the **PHONE** output jack.

MAINTENANCE

Cleaning

To clean the mixer's surface, use a soft, dry, and lint-free cloth. Avoid using liquid cleaners, aerosol sprays, or abrasive materials, as these can damage the finish, controls, or internal electronic components.

Storage

When not in use, store the mixer in a cool, dry environment, away from direct sunlight, excessive dust, and extreme temperatures. If the unit will be stored for an extended period, it is advisable to disconnect all cables and, if possible, store it in its original packaging or a protective case.

Ventilation

Ensure that the mixer has adequate ventilation during operation to prevent overheating. Do not block any ventilation openings on the unit, and avoid placing it in enclosed spaces that restrict airflow.

TROUBLESHOOTING

- **No Sound Output:**
 - Verify that all audio cables (inputs and outputs) are securely connected.
 - Confirm that the mixer is powered on and the power indicator light is illuminated.

- Check that the individual channel LEVEL faders/knobs and the main output LEVEL fader are turned up.
 - Ensure the correct input source (e.g., USB, Bluetooth, specific channel) is selected or active.
- **Distorted Sound:**
- Reduce the GAIN knob for the input channel that is distorting. The PEAK LED should not be constantly lit.
 - Lower the channel LEVEL or the main output LEVEL.
 - Check the audio source itself for distortion before it reaches the mixer.
- **Phantom Power Not Working:**
- Ensure the +48V switch for the specific channel is engaged.
 - Verify that the condenser microphone is properly connected to the XLR input.
- **Bluetooth Connection Issues:**
- Confirm that Bluetooth mode is active on the mixer (BT button pressed).
 - Make sure your device is within the effective Bluetooth range (typically up to 10 meters).
 - Try unpairing the mixer from your device's Bluetooth settings and then re-pairing.
 - Ensure no other devices are currently connected to the mixer via Bluetooth.

SPECIFICATIONS

Feature	Detail
Model Number	BMG-06S
Channels	6
DSP Effects	99 built-in digital effects
Phantom Power	+48V (independent per channel)
Connectivity	RCA, Bluetooth, USB, XLR, 6.35mm
Power Source	USB
Item Weight	2.1 Kilograms
Product Dimensions	27.94 x 10.01 x 4.83 cm
Frequency Response	20 Hz
Noise Level	0.5 dB

WARRANTY AND SUPPORT

Warranty Information

Please refer to the warranty card or documentation included with your BOMGE BMG-06S mixer for detailed warranty terms and conditions. It is recommended to retain your proof of purchase, such as a receipt or invoice, as it will be required for any warranty claims.

Customer Support

For technical assistance, troubleshooting guidance, or service inquiries regarding your BOMGE BMG-06S mixer, please contact BOMGE customer support. Contact information can typically be found on the official BOMGE website or through the retailer from whom you purchased the product.

PRODUCT IMAGES



Figure 1: Front view of the BOMGE BMG-06S Professional Audio Mixer, showcasing its 6 channels, main controls, and display screen.

The appearance of the BMG-06S mixer adopts a simple and elegant design style

The overall color matching and button layout are reasonable. The slots and buttons on the panel are clearly marked, making them intuitive to use and suitable for all types of user operations. In my tests, the mixer's functions were stable and reliable. Whether it's switching the input signal, adjusting the audio effect or controlling the output signal, the mixer has excellent stability and sensitivity. The mutual interference between the channels is small, which ensures the accurate transmission of audio signals. It has an excellent performance in noise control.



Figure 2: The BOMGE BMG-06S mixer, highlighting its simple and elegant design style, with clearly marked slots and buttons for intuitive operation.

Peak LED ambient lighting

Each input channel is full of LED ambient lights, the signal lights are displayed according to the rhythm of the input signal, these LEDs are used to judge whether the input signal is too much, when the signal is too much, when the peak light is reached, please turn off the GAIN knob.



Figure 3: Close-up view of the mixer's Peak LED ambient lighting. These LEDs visually indicate the strength of the input signal, helping users judge if the input signal is too strong and when to adjust the GAIN knob.

Independent 48V phantom power supply

It supports a wide range of condenser microphones, with high-performance shock and noise reduction, ultra-low noise design, high tolerance, and delicate plastic floor, perfect for beginners and professionals.



Figure 4: Detail of the mixer's independent +48V phantom power supply. This feature supports a wide range of condenser microphones, offering high-performance shock and noise reduction, and an ultra-low noise design.

99 DSP Professional Digital Effects

A good reverb is to increase the vocal strength and make the singing rich and full of vocals.

- 0~2 Warm Room
- 3~5 Bright Room
- 6~8 Hall
- 9~11 Chapel
- 12~14 Church
- 15~20 Plate
- 21~32 Karaoke 1
- 33~44 Karaoke 2
- 45~49 Voice Changer
- 50~54 Echo&Voice Changer
- 55~59 Reverb&Voice Changer
- 60~64 Flanger
- 65~69 Guitar Chorus
- 70~74 Auto Wah
- 75~79 Tremolo
- 80~89 PingPong Delay
- 90~99 Long Delay



Figure 5: Display showing the 99 DSP Professional Digital Effects available on the BOMGE BMG-06S. These effects enhance vocal strength and enrich the overall sound.



Bluetooth 5.0

Wireless Fast Connection

Built-in chip Supports wireless high-speed connection to play music.



Figure 6: The mixer's Bluetooth 5.0 capability, demonstrating wireless fast connection with a smartphone. The built-in chip supports high-speed wireless connection for music playback.



USB Plug and Play

Equipped with LED playback display Easy to operate



Figure 7: Illustration of the mixer's USB Plug and Play feature. The mixer is equipped with an LED playback display for easy operation when using USB devices.



AUX1 Activity Monitoring & AUX2 Effect Changer

Enriched with a variety of outputs, not only the main output, but also the audio output of the mixer to external devices such as monitors, taps, external effects, etc., can be used through the AUX1 and AUX2 interfaces.

Figure 8: Detail highlighting AUX1 Activity Monitoring and AUX2 Effect Changer. The mixer provides various outputs, including audio output to external devices like monitors and effects units, usable via AUX1 and AUX2.



Figure 9: Composite image detailing various features of the BOMGE BMG-06S, including the three-band equalized high-mid-bass controller, 6.35mm input/output function with lotus jack, LCD signal display screen, and LED peak indicators.

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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