

BOMGE 7-channel

BOMGE K7 Bluetooth Portable Audio Mixer User Manual

Model: 7-channel | Brand: BOMGE



1. INTRODUCTION

Thank you for choosing the BOMGE K7 Bluetooth Portable Audio Mixer. This 7-channel mixing console is designed for versatile audio applications, including PC recording, DJ studio mixing, small performances, and home use. It features multiple input options, Bluetooth connectivity, USB playback, and a 3-band EQ for precise sound control. This manual provides detailed instructions for setting up, operating, and maintaining your mixer to ensure optimal performance and longevity.



Figure 1.1: Front view of the BOMGE K7 7-channel Bluetooth Portable Audio Mixer, showcasing its various input channels, faders, and control knobs.

2. IMPORTANT SAFETY INSTRUCTIONS

Please read and understand all safety instructions before operating the BOMGE K7 mixer. Retain this manual for future reference.

- **Power Source:** Use only the provided power adapter. Ensure the voltage matches the requirements specified on the device.
- **Water and Moisture:** Do not expose this appliance to rain or moisture. Do not place objects filled with liquids, such as vases, on the apparatus.
- **Ventilation:** Ensure proper ventilation. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- **Heat:** Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- **Cleaning:** Clean only with a dry cloth. Unplug the unit from the power outlet before cleaning.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- **Phantom Power:** When using condenser microphones, ensure the +48V phantom power is activated only when needed and that all connections are secure before activation to prevent damage to equipment.

3. PACKAGE CONTENTS

Upon unpacking your BOMGE K7 mixer, please verify that all items listed below are included and in good condition. If any items are missing or damaged, contact your retailer immediately.

- BOMGE K7 Console Mixer (7-channel)
- Power Adapter
- Instruction Manual (this document)

Product List

- **Packing Box**
- **Console Mixer**
- **Instruction Manual**
- **Power Line**

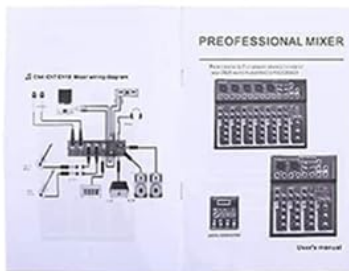
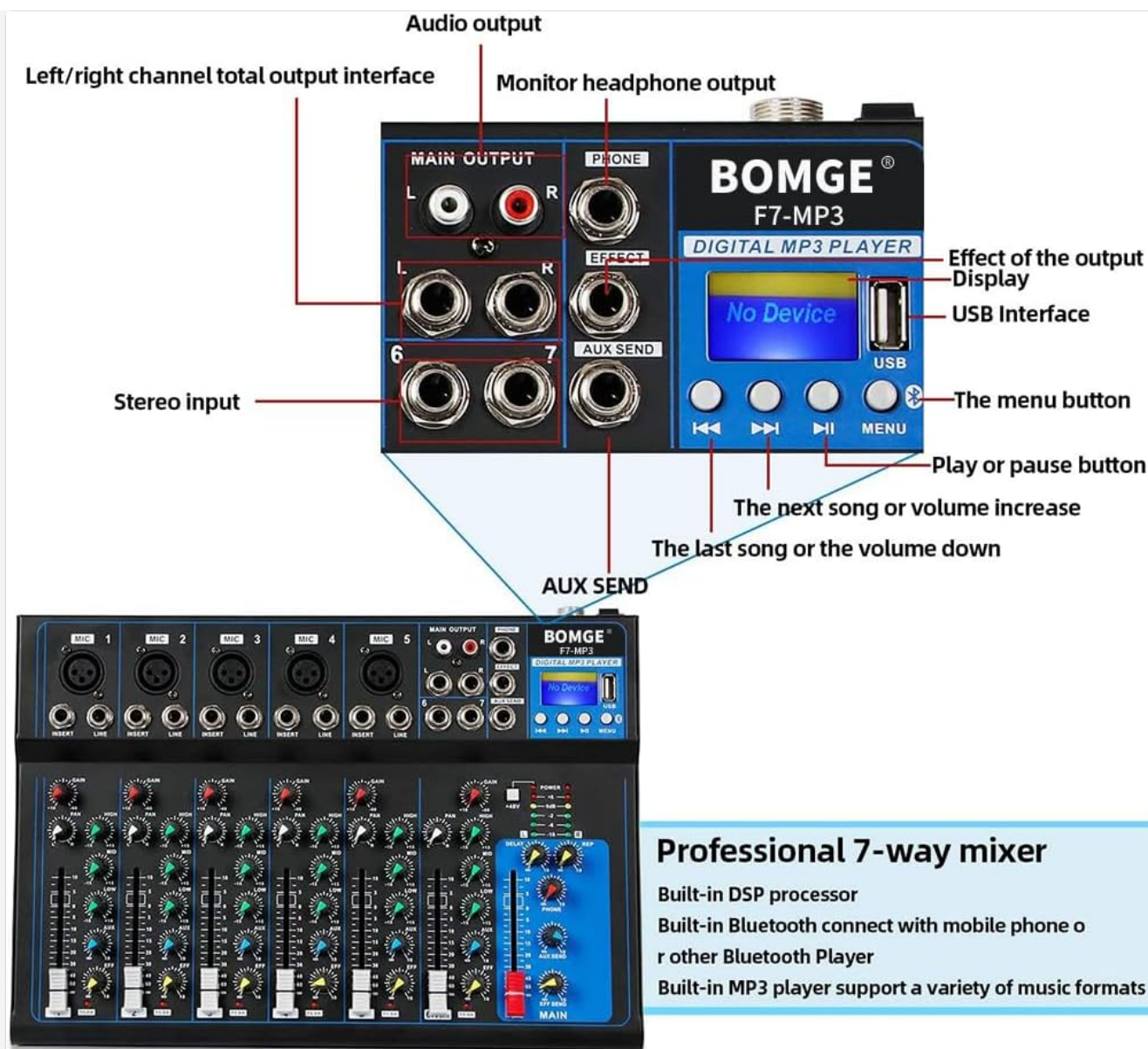


Figure 3.1: Image showing the BOMGE K7 mixer, its power adapter, and the instruction manual, along with the product dimensions.

4. PRODUCT OVERVIEW

The BOMGE K7 mixer features a comprehensive set of controls and inputs/outputs designed for intuitive operation and high-quality audio mixing.

4.1 Front Panel Controls and Connectors



Professional 7-way mixer

Built-in DSP processor

Built-in Bluetooth connect with mobile phone or other Bluetooth Player

Built-in MP3 player support a variety of music formats

Figure 4.1: Detailed view of the BOMGE K7 mixer's control panel, highlighting the various knobs, faders, and input/output ports.

- **MIC/LINE Inputs (Channels 1-5):** XLR and 1/4" (6.35mm) combo jacks for microphones or line-level instruments.
- **INSERT Jacks (Channels 1-2):** 1/4" jacks for connecting external effects processors to individual channels.
- **GAIN Control:** Adjusts the input sensitivity for each channel.
- **HIGH/MID/LOW EQ:** 3-band equalizer for adjusting treble, midrange, and bass frequencies for each channel.
- **PAN Control:** Adjusts the stereo position of the channel's signal.
- **AUX Control:** Sends a portion of the channel's signal to the AUX output for monitoring or external effects.
- **EFF Control:** Sends a portion of the channel's signal to the internal effects processor.
- **Channel Faders:** Adjust the volume level of each individual channel.
- **PEAK LED:** Illuminates when the input signal is too high, indicating potential clipping.
- **+48V Phantom Power Button:** Activates phantom power for condenser microphones.
- **POWER LED:** Indicates the unit is powered on.
- **MAIN OUTPUT (L/R):** RCA and 1/4" (6.35mm) jacks for connecting to main speakers or recording devices.
- **PHONE Output:** 1/4" (6.35mm) stereo jack for headphones.
- **EFFECT Section:** Controls for internal digital effects (DELAY, REP).

- **AUX SEND:** 1/4" (6.35mm) output for sending signal to external monitors or effects.
- **USB Interface:** For connecting USB flash drives for MP3 playback or connecting to a computer for audio interface functions.
- **Digital MP3 Player Display:** Shows status and track information for USB/Bluetooth playback.
- **MP3 Player Controls:** Play/Pause, Next/Volume Up, Previous/Volume Down, Menu.
- **MAIN Fader:** Controls the overall output volume of the mixer.

4.2 Rear Panel Connectors

SUPPORTS 18V POWER SUPPLY

THE 18V POWER SUPPLY PROVIDES A MORE STABLE VOLTAGE FOR BETTER PERFORMANCES

Power Supply	Operating Voltage	Sound Quality	Stability
18V SUPPLY POWER	OPERATING VOLTAGE	IMPROVED SOUND QUALITY	IMPROVED STABILITY
12V SUPPLY POWER	OPERATING VOLTAGE	IMPROVED SOUND QUALITY	IMPROVED STABILITY

Figure 4.2: Rear view of the BOMGE K7 mixer, showing the power input and power switch.

- **POWER Switch:** Turns the mixer on or off.
- **AC-IN:** Connector for the external power adapter.

5. SETUP GUIDE

Follow these steps to set up your BOMGE K7 mixer for operation.

5.1 Power Connection

1. Ensure the mixer's POWER switch is in the OFF position.
2. Connect the provided power adapter to the AC-IN port on the rear panel of the mixer.
3. Plug the power adapter into a suitable electrical outlet.

5.2 Connecting Audio Devices

The BOMGE K7 mixer is compatible with a wide range of audio devices, including microphones, instruments, computers, and amplifiers.



Figure 5.1: Diagram illustrating the BOMGE K7 mixer's compatibility with various devices such as wired microphones, electronic organs, wireless microphones, guitars, computers, pure rear amplifiers, and power amplifiers.

1. **Microphones:** Connect XLR microphones to the MIC/LINE inputs using XLR cables. For condenser microphones requiring power, ensure the +48V phantom power is off before connecting, then activate it once the microphone is securely connected.
2. **Instruments:** Connect instruments like guitars, keyboards, or electronic organs to the MIC/LINE inputs using 1/4" (6.35mm) TS or TRS cables.

3. **External Effects Processors:** For individual channel effects, connect your external processor to the INSERT jacks on channels 1 and 2.
4. **Main Speakers/Amplifiers:** Connect your main speakers or power amplifier to the MAIN OUTPUT (L/R) RCA or 1/4" jacks.
5. **Headphones:** Plug your headphones into the PHONE output for monitoring.
6. **Computer Connection (USB):** Connect the mixer's USB Type B port to your computer's USB port using a USB cable. The mixer will function as an audio interface for recording and playback.

MULTIPLE INPUT MODE

DEVICE INPUT PORT SUPPORTS XLR AND 6.35 AUDIO MIXED INPUT ●



Figure 5.2: Illustration of the BOMGE K7 mixer's multiple input modes, showing XLR and 6.35mm audio mixed input support for each channel.

6. OPERATING INSTRUCTIONS

6.1 Basic Operation

1. After connecting all devices, turn on the mixer using the POWER switch on the rear panel. The POWER LED on the front panel will illuminate.

2. Set all channel faders and the MAIN fader to their lowest positions.
3. Gradually increase the GAIN control for each active input channel until the PEAK LED flashes only occasionally during the loudest parts of the signal.
4. Slowly raise the individual channel faders to the desired level.
5. Adjust the MAIN fader to control the overall output volume.

6.2 Equalization (EQ)

Each mono channel features a 3-band EQ (HIGH, MID, LOW) for shaping the tone of your audio. Adjust these knobs to enhance or cut specific frequencies.

PROFESSIONAL AUDIO

TREBLE/BASS INTENSITY ADJUSTMENT



Figure 6.1: Image highlighting the professional audio capabilities of the BOMGE K7 mixer, specifically the treble and bass intensity adjustment via the EQ knobs.

- **HIGH:** Adjusts the high frequencies (treble).
- **MID:** Adjusts the mid-range frequencies.
- **LOW:** Adjusts the low frequencies (bass).

6.3 Bluetooth Connectivity

The BOMGE K7 mixer allows wireless audio streaming from your smartphone, tablet, or other Bluetooth-enabled devices.



Built-in Bluetooth Wireless Streaming Receiver Works with All of Today's Latest Devices(Smartphone,Tablet,etc.)



Figure 6.2: Image demonstrating the built-in Bluetooth wireless streaming receiver of the BOMGE K7 mixer, compatible with smartphones, tablets, and other modern devices.

1. Press the 'MODE' button on the digital MP3 player section until 'Bluetooth' mode is selected.
2. On your Bluetooth device, search for available devices and select 'BOMGE K7' (or similar name).
3. Once paired, audio from your device will stream through the mixer. Control playback using the MP3 player controls or your connected device.

6.4 USB Playback and Recording

The USB interface supports MP3 playback from a USB flash drive and acts as an audio interface for PC recording.

1. **USB Playback:** Insert a USB flash drive containing MP3 files into the USB port. The mixer will automatically switch to USB mode and begin playback. Use the MP3 player controls to navigate tracks and adjust volume.
2. **PC Recording/Playback:** Connect the mixer to your computer via the USB Type B port. The mixer will be recognized as an audio device. You can then use your preferred digital audio workstation (DAW) software to

record audio from the mixer's main output or play back audio from your computer through the mixer.

6.5 Digital Effects

The mixer includes built-in digital effects. Use the EFF control on each channel to send signal to the effects processor, and adjust the DELAY and REP knobs in the EFFECT section to fine-tune the effect.

7. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your BOMGE K7 mixer.

- **Cleaning:** Disconnect the power before cleaning. Use a soft, dry cloth to wipe the surface of the mixer. Do not use liquid cleaners, aerosols, or solvents.
- **Storage:** When not in use for extended periods, store the mixer in a cool, dry place away from direct sunlight and extreme temperatures.
- **Ventilation:** Ensure the ventilation slots are clear of dust and debris to prevent overheating.
- **Cable Management:** Avoid bending or crimping cables excessively, especially near connectors, to prevent damage.

8. TROUBLESHOOTING

If you encounter issues with your BOMGE K7 mixer, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
No power	Power adapter not connected; Power switch off; Faulty outlet.	Ensure power adapter is securely connected to mixer and outlet. Turn on the POWER switch. Test the outlet with another device.
No sound output	Main fader or channel faders are down; Incorrect input/output connections; Speakers not powered on; Gain too low.	Increase MAIN and channel faders. Verify all audio cables are correctly connected. Ensure speakers are powered and volume is up. Adjust GAIN for input signals.
Distorted sound	Input signal too high (clipping); Cables damaged; Incorrect impedance.	Reduce GAIN until PEAK LED no longer illuminates constantly. Check cables for damage. Ensure input device impedance matches mixer's input.
Bluetooth not connecting	Mixer not in Bluetooth mode; Device too far; Already paired with another device.	Press MODE button to select Bluetooth. Ensure device is within range. Disconnect from other Bluetooth devices.
USB playback not working	USB drive not inserted correctly; Incompatible file format; USB drive corrupted.	Re-insert USB drive. Ensure files are in MP3 format. Try a different USB drive.
No sound from USB to PC (recording)	Incorrect audio interface selection in PC/DAW; Driver issues.	Ensure the BOMGE K7 is selected as the input device in your computer's sound settings and your DAW. Check BOMGE's website for any specific drivers if needed (usually plug-and-play).

9. SPECIFICATIONS

Technical specifications for the BOMGE K7 Bluetooth Portable Audio Mixer (7-channel).

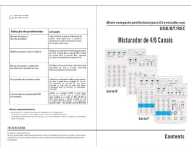

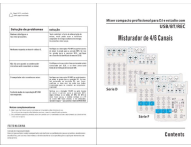

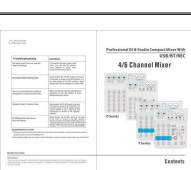
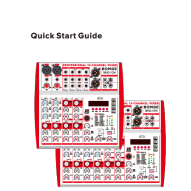
Feature	Detail
Model Number	7-channel
Item Weight	5.81 pounds
Product Dimensions	11.81 x 9.06 x 1.57 inches
Number of Channels	7
Compatible Devices	iPad, iPhone, PC
Connector Type	1/4-Inch Right Angle, 1/4-Inch Stereo, XLR to 1/4-Inch, XLR to XLR
Hardware Interface	Bluetooth 4.0, USB 3.0
Material Type	Metal
Operating System Compatibility	Mac, OS, Windows, XP
Power Source	Electric
Voltage	18 Volts
Wattage	5 watts
Output Connector Type	TRS, USB Type B

10. WARRANTY AND SUPPORT

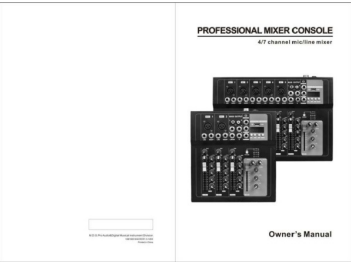
BOMGE products are designed for reliability and performance. For specific warranty details and support, please refer to the official BOMGE channels.

- **Official User Guide (PDF):** For a downloadable version of the user guide, please visit:[BOMGE K7 User Guide PDF](#)
- **BOMGE Brand Store:** Explore other BOMGE products and find additional support resources by visiting the official BOMGE store: [BOMGE Music Studio Store](#)
- **Customer Service:** If you have any questions or require technical assistance, please contact BOMGE customer service through the official website or your purchase platform.



	<p>Manual do Usuário: Mixer de Estúdio e Gravação BOMGE 4/6 Canais</p> <p>Guia completo do mixer BOMGE de 4/6 canais para DJ e estúdio. Aprenda sobre conexão, operação, solução de problemas e especificações para gravação, streaming e performances ao vivo.</p>
	<p>BOMGE K7 Professional 4/7 Channel Audio Mixer Owner's Manual</p> <p>Detailed owner's manual for the BOMGE K7 professional 4/7 channel audio mixer, covering setup, controls, specifications, and safety instructions for DJ, studio recording, and live sound applications.</p>
	<p>BOMGE Professional 4/6 Channel DJ and Studio Mixer User Manual</p> <p>Comprehensive user manual for the BOMGE Professional 4/6 Channel DJ and Studio Mixer, detailing its features, setup, troubleshooting, specifications, and usage instructions for DJing, studio recording, and live streaming. Includes USB, Bluetooth, and recording capabilities.</p>
	<p>BOMGE Q-12 Audio Mixer User Manual</p> <p>User manual for the BOMGE Q-12 2-Channel Audio Mixer Sound Mixing Console, featuring USB and 48V Phantom Power for recording and studio use.</p>
	<p>BOMGE 4/6 Channel DJ & Studio Compact Mixer with USB/BT/REC - User Manual</p> <p>User manual for the BOMGE 4/6 Channel DJ & Studio Compact Mixer, detailing its features, operation, troubleshooting, and specifications. Includes information on USB/BT playback, recording, DSP effects, and connectivity.</p>
	<p>BOMGE BMG-10M & BMG-12M Professional Mixing Console Quick Start Guide</p> <p>Comprehensive quick start guide and technical specifications for the BOMGE BMG-10M (10-channel) and BMG-12M (12-channel) professional portable mixing consoles, detailing features, controls, effects, wiring, and electrical data.</p>

Documents - BOMGE – 7-channel



[BOMGE K7 Professional 4/7 Channel Audio Mixer Owner's Manual](#)

Detailed owner's manual for the BOMGE K7 professional 4/7 channel audio mixer, covering setup, controls, specifications, and safety instructions for DJ, studio recording, and live sound applications.

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