

[Manuals.plus](#) /

› [BOMGE](#) /

› BOMGE 4 Channel mini DJ Audio Sound Mixer Interface with MP3 USB, Bluetooth, Stereo Recording, 48V Phantom Power, 24 DSP for karaoke, performance, church singing podcas streaming BLACK-04F

BOMGE 04F

BOMGE 4 Channel Mini DJ Audio Sound Mixer Interface

USER MANUAL

Brand: BOMGE

Model: 04F

1. Product Overview

The BOMGE 04F is a versatile 4-channel audio mixer designed for various applications including home recording, live streaming, karaoke, and small performances. It integrates essential features such as multiple input/output options, digital signal processing (DSP) effects, Bluetooth connectivity, and USB audio interface capabilities.



Figure 1: Front view of the BOMGE 04F mixer, showcasing its compact design and control layout.

2. Setup Guide

2.1 Power Connection

The mixer is powered via a USB 5V DC power supply. Connect the provided USB cable to the mixer's USB 5V DC input port and to a compatible USB power adapter or a computer's USB port.

24DSP detailed explanation

Real 24DSP, can play the sound effect
suitable for various occasions

1.Voice Changer	2.Magic Sound	3.Childs Voice	4.Delay-A
5.Delay-B	6.Delay-C	7.Delay-D	8.Delay-E
9.Delay-F	10.Delay-G	11.Echo+Delay-A	12.Echo+Delay-B
13.Echo+Delay-C	14.Echo+Delay-D	15.Echo+Delay-E	16.Echo+Delay-F
17.Echo+Delay-G	18.Echo+Delay-H	19.Echo+Delay-I	20.Echo+Delay-J
21.Echo+Delay-K	22.Echo+Delay-L	23.Echo+Delay-M	24.Echo+Delay-N



Figure 2: Side profile of the mixer, highlighting the USB power input and audio interface port.

2.2 Connecting Audio Devices

The BOMGE 04F offers multiple input options:

- **Microphones:** Channels 1 and 2 support XLR and unbalanced 1/4" plugs. These channels also provide 48V phantom power for condenser microphones. Ensure phantom power is only activated when a condenser microphone requiring it is connected.
- **Stereo Inputs:** A dedicated stereo input (channels 3/4) is available via 6.3mm or RCA sockets for connecting devices like keyboards, CD players, or other audio sources.
- **USB/Bluetooth Input:** For digital audio sources.

BEAT SOUND

XLR Output the songd more best and more moise
16 Echo DSP

NEW DEISGN



Built-in 16 DSP chips
Control different sound effects
Different scenes

With XLR Output

OLD MODEL



No DSP
Cheap and normal delay
and repeat analog effect only

No XLR Output

Figure 3: Close-up of the mixer's input and output section, detailing XLR, 1/4" plugs, RCA, and 6.35mm connections, along with 48V phantom power indicators.

2.3 Connecting to PC/MAC

The mixer features a built-in sound card and audio interface, allowing direct connection to a PC or MAC via USB. This enables recording and playback of audio with ultra-low noise. No additional drivers are typically required.

Live stream from audio source to mixer

A good companion for live streaming

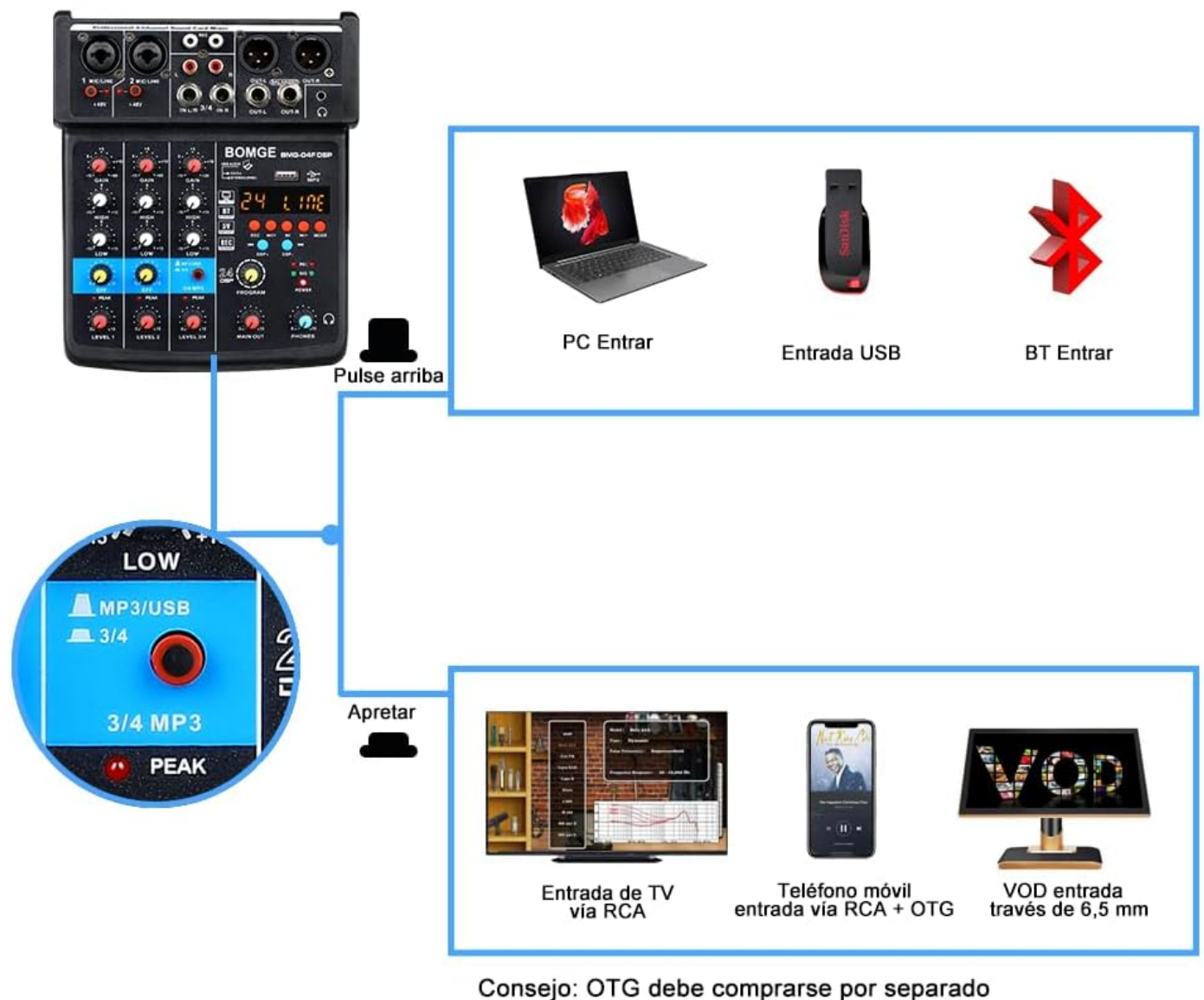


Figure 4: Illustration demonstrating how to record audio from the mixer directly to a U-disk or a laptop/PC via USB connection.

2.4 Live Broadcast Setup

The 04F mixer supports multi-mobile live broadcasting by connecting mobile phones through RCA, USB, and 6.5mm interfaces. Note that required connecting cables and conversion plugs are not included in the product package.

Compatible with various devices

strong compatibility

Including but not limited to the following equipment

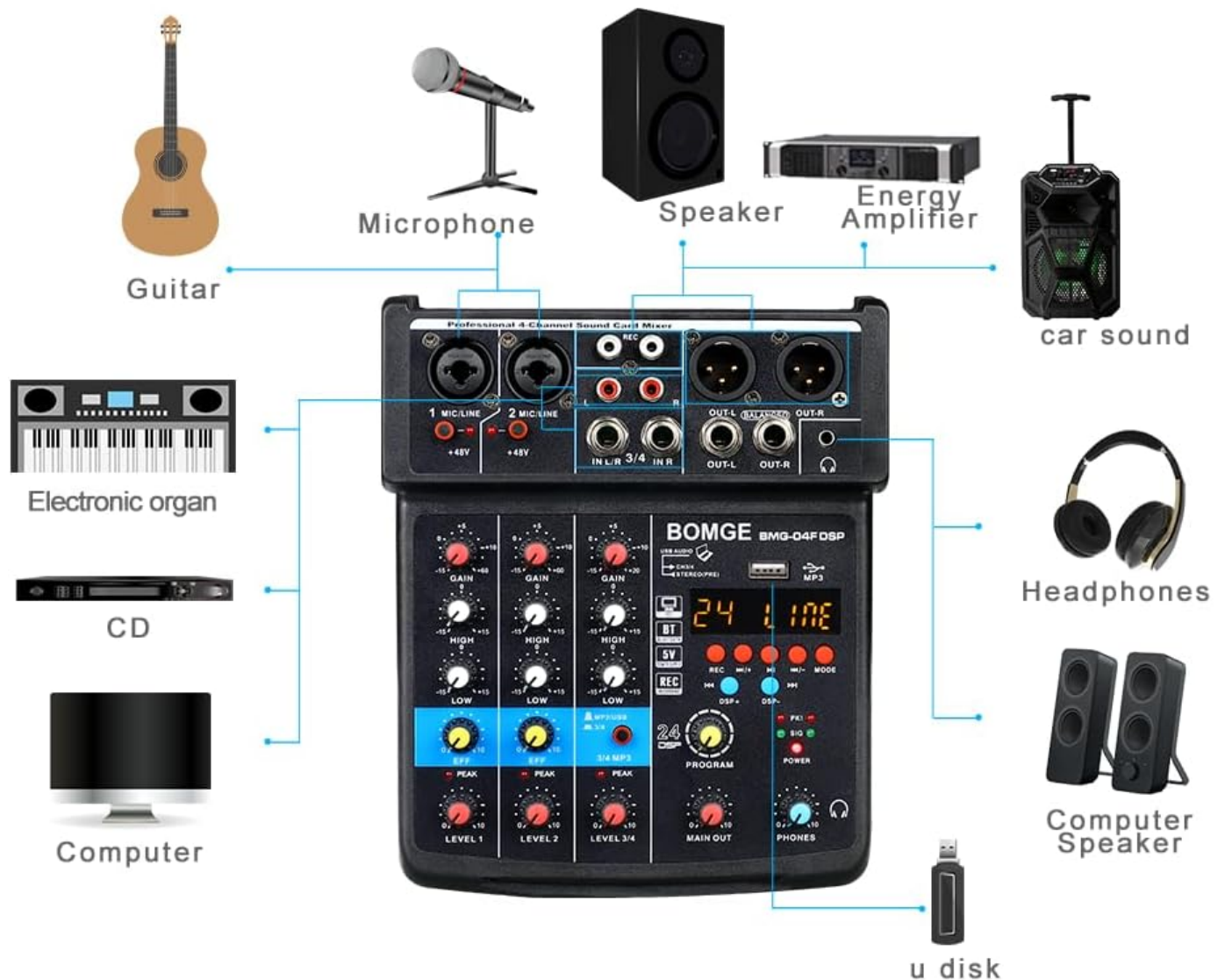


Figure 5: Connection diagram for live streaming, showing inputs from PC, USB drive, Bluetooth, TV via RCA, mobile phone via RCA+OTG, and VOD via 6.5mm.

2.5 Device Compatibility

The mixer is compatible with a wide array of audio equipment, including but not limited to guitars, microphones, speakers, electronic organs, CD players, and computers.

MIXER

WITH RECORDING

Record to U Disk
Record to laptop or PC



Figure 6: Visual representation of the mixer's compatibility with a wide range of devices.

3. Operating Instructions

3.1 Control Overview

The mixer features individual controls for each channel, including Gain, High (treble EQ), Low (bass EQ), EFF (effect send), and Level. The Main Out controls the overall output volume, and a dedicated Phones knob adjusts headphone monitoring volume.

3.2 DSP Effects

The BOMGE 04F includes a built-in 24-bit digital effect processor (24 DSP). These effects can be selected and applied to enhance vocals or instruments. Effects include:

- Voice Changer (Soprano, Devil Bass, Children's Voice)
- 7 levels of Delay
- 14 levels of Echo + Delay

INPUT/OUTPUT

XLR&6.5MM

UNIVERSAL INTERFACE

+48V

phantom power only works
when the input is XLR



Figure 7: A comprehensive list of the 24 built-in DSP effects.

3.3 Bluetooth Operation

Users can stream music wirelessly from a Pad, mobile phone, or computer via Bluetooth. The mixer features a one-key control mode for quick switching between play, pause, and song selection.

3.4 Recording Functionality

The mixer allows direct recording to a U-disk or a connected PC/MAC. Use the REC button to initiate and stop recording. The USB port facilitates audio output to various devices.

3.5 Official Product Video

Video 1: This video provides a detailed overview of the BOMGE 04F Audio Mixer, showcasing its various input/output options, 48V phantom power, USB and Bluetooth connectivity, and the 24 DSP effects. It illustrates how to connect different devices and utilize the mixer's functionalities for audio production.

4. Maintenance

- To ensure the longevity and optimal performance of your BOMGE 04F mixer, follow these maintenance guidelines:
- **Cleaning:** Use a soft, dry cloth to clean the surface of the mixer. Avoid using liquid cleaners or abrasive materials.
 - **Storage:** Store the mixer in a cool, dry place away from direct sunlight, excessive heat, and moisture.
 - **Handling:** Handle the mixer with care. Avoid dropping it or subjecting it to strong impacts.
 - **Phantom Power:** Always ensure that condenser microphones are properly connected before activating 48V phantom power. Deactivate phantom power before disconnecting microphones.

5. Troubleshooting

If you encounter issues with your BOMGE 04F mixer, refer to the following common problems and solutions:

- **No Sound Output:**
 - Check all cable connections (input, output, power).
 - Ensure all volume knobs (channel levels, main out, phones) are turned up.
 - Verify that the correct input source is selected (e.g., PC, MP3, Bluetooth).
- **Distorted Sound:**
 - Reduce input gain levels to prevent clipping (indicated by PEAK lights).
 - Check cable integrity; replace if damaged.
 - Ensure impedance matching between devices.
- **Phantom Power Issues:**
 - Confirm the 48V phantom power button is engaged for condenser microphones.
 - Ensure the microphone cable is an XLR type, as phantom power is typically supplied via XLR.
- **Bluetooth Connectivity Problems:**
 - Ensure the mixer is in Bluetooth mode.
 - Check that Bluetooth is enabled on your transmitting device and that the mixer (BMG-24DSP) is selected.
 - Move the transmitting device closer to the mixer to improve signal strength.

6. Specifications

Item Weight	14.8 ounces (420 Grams)
Product Dimensions	0.8 x 6.22 x 7.49 inches
Number of Channels	4
Power Source	Corded Electric (USB 5 Volts)
Connector Types	RCA, USB, 1/4" plugs, XLR, 6.35mm
Hardware Interface	Bluetooth, USB 2.0
DSP Effects	24-bit digital effect processor (24 DSP)

7. Warranty and Support

For warranty information and technical support, please refer to the official BOMGE website or contact your retailer. A

detailed user guide in PDF format is also available for download:

[Download User Guide \(PDF\)](#)

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