

Quick Start Guide

EN



192kHz
24 Bit

BMG22

Audiophile 2x2, 24-Bit/192 kHz

EN Important Safety Instructions



Terminals marked with this symbol carry electrical current of sufficient magnitude to constitute risk of electric shock.

Use only high-quality professional speaker cables with ¼" TS or twist-locking plugs pre-installed. All other installation or modification should be performed only by qualified personnel.



This symbol, wherever it appears, alerts you to the presence of uninsulated dangerous voltage inside the enclosure - voltage that may be sufficient to constitute a risk of shock.



This symbol, wherever it appears, alerts you to important operating and

maintenance instructions in the accompanying literature. Please read the manual.



Caution

To reduce the risk of electric shock, do not remove the top cover (or the rear section). No user serviceable parts inside. Refer servicing to qualified personnel.



Caution

To reduce the risk of fire or electric shock, do not expose this appliance to rain and moisture. The apparatus shall not be exposed to dripping or splashing liquids and no objects filled with liquids, such as vases, shall be placed on the apparatus.



Caution

These service instructions are for use by qualified service personnel only. To reduce the risk of electric shock do not perform any servicing other than that contained in the operation instructions. Repairs have to be performed by qualified service personnel.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

11. Use only attachments/accessories specified by the manufacturer.



12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used,

use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.

14. 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.

15. The apparatus shall be connected to a MAINS socket outlet with a protective earthing connection.

16. Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.



17. Correct disposal of this product: This symbol indicates that this product must not be disposed of with household waste, according to the WEEE Directive (2012/19/EU) and your national law. This product should be taken to a collection center licensed for the recycling of waste electrical and electronic equipment (EEE).

The mishandling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the efficient use of natural resources. For more information about where you can take your waste equipment for recycling, please contact your local city office, or your household waste collection service.

18. Do not install in a confined space, such as a book case or similar unit.

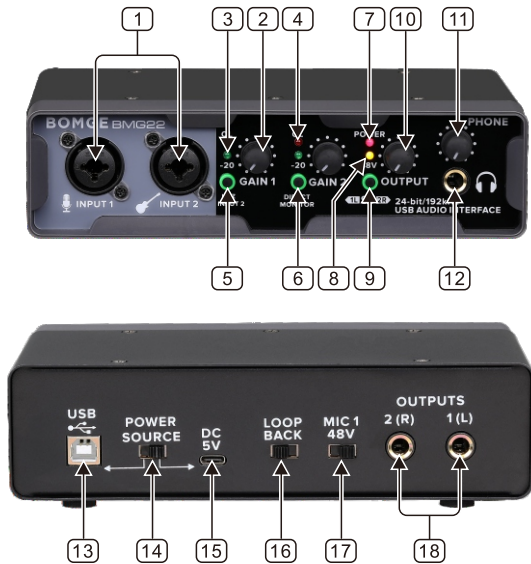
19. Do not place naked flame sources, such as lighted candles, on the apparatus.

20. Please keep the environmental aspects of battery disposal in mind. Batteries must be disposed of at a battery collection point.



21. This apparatus may be used in tropical and moderate climates up to 45°C.

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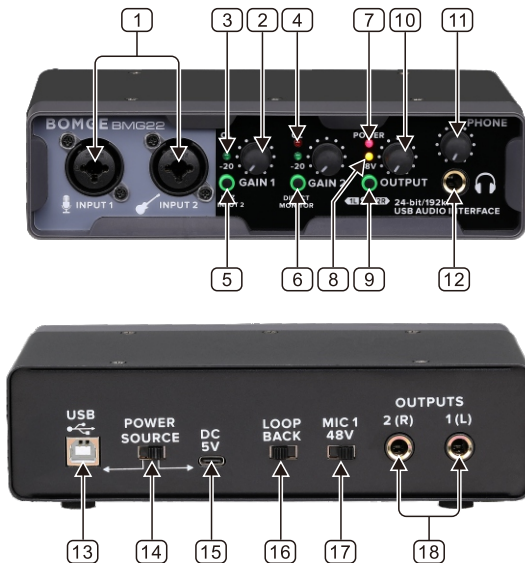


EN Step 2: Controls

- 1 **INPUT 1 & 2** combination XLR / 1/4" connectors. Connect microphones, instruments or line level audio sources to these connectors.
- 2 **GAIN 1 & 2** knob adjusts the input level at INPUT 1&2.
- 3 **-20 LED** indicates that an audio signal is present in the channel.
- 4 **OL LED** indicates that an audio signal in the channel is too loud. Turn the corresponding GAIN knob counter-clockwise until the OL LED no longer illuminates.
- 5 **LINE/HI-Z** button (Channel 2 only). When HI-Z mode is engaged, you can plug your guitar or bass into this input without using an external direct (D.I.) box.
- 6 **DIRECT MONITOR** selector activates direct monitoring of input signals with zero latency (no delay) when engaged.
- 7 **POWER** LED indicates that the unit is powered on.
- 8 **+48 V** LED indicates that +48 V phantom power is engaged.
- 9 **STEREO/MONO** selector activates mono monitoring of audio signals connected to INPUT 1 and INPUT 2 when engaged.
- 10 **OUTPUT** knob adjusts the output level at the 1(L) & 2(R) OUTPUTS.
- 11 **PHONE** knob adjusts the output level at the  (headphones) output.
- 12  output. Connect to headphones for playback and mixing.
- 13 **USB** type B connector. Connect to a computer via this connector.
- 14 **POWER SOURCE** switch. Select the power supply with type B port or type C port.
- 15 **DC 5V** type C connector. When you are not connected to the computer, you can choose this power adapter connecting to the DC 5V to make the device function properly.

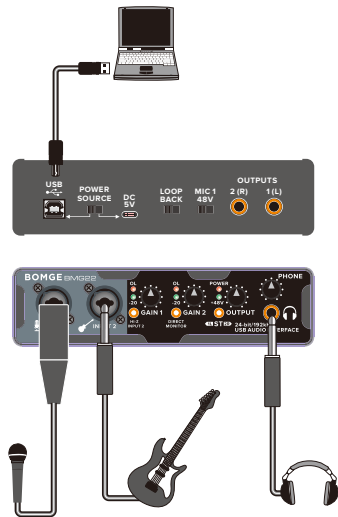
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- 16 **LOOP BACK** switch is a choice to record or not record accompaniment music sent from the USB.
- 17 **+48V ON/OFF** selector engages +48V phantom power. channel 1 to have this +48V phantom power supply. (required for professional studio condenser microphones).
- 18 **1(L) & 2(R) OUTPUTS** connect to powered studio monitors for playback and mixing.



Example 1

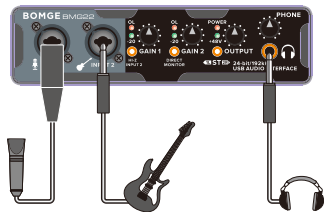
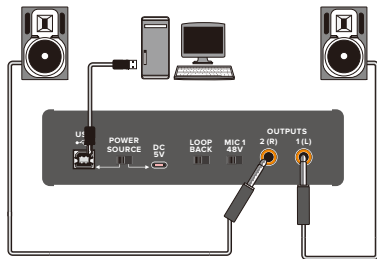
- When you do not need to record the USB accompaniment, recording only the microphone and guitar sounds, there is a loop back switch in the back panel, and you set this switch on the right.
- When you need to record both USB accompaniment and microphone sound, set the loop back switch on the left.
- When you monitor the sound recorded by the software, always set the direct monitor switch off.




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Example 2

- When you do not need to record the USB accompaniment, recording only the microphone and guitar sounds, there is a loop back switch in the back panel, and you set this switch on the right.
- When you need to record both USB accompaniment and microphone sound, set the loop back switch on the left.
- When you monitor the sound recorded by the software, always set the direct monitor switch off.



Step 3: Getting started

- 1** Windows operating system:
No drivers needed, your U-Phoria interface operates class-compliant.
Mac OS X operating system:
No drivers needed, your U-Phoria interface operates class-compliant.
- 2** Connect to a computer via the provided USB cable. Designate your U-Phoria device as your audio or or audio/MIDI.
- 3** Connect a pair of studio headphones to the  connector to monitor input levels and playback from your audio software. Use the PHONES knob to adjust the headphone volume. Engage the DIRECT MONITOR button to achieve zero latency monitoring of your input signals.

- 4** Connect instruments and audio sources to INPUT 1 and INPUT 2. Use the GAIN 1 and GAIN 2 knobs to adjust the input level of the connected audio sources. Engage the +48 V phantom power switch on the rear panel if you are recording with condenser microphones.
- 5** Connect a pair of studio monitors to the 1(L) & 2(R) OUTPUTS for playback and mixing. Use the OUTPUT knob to adjust the volume level at the OUTPUTS or MAIN OUT.

Specifications

Input

Preamp	2 x MIDAS design
Type	2 x XLR/TRS combo connector (Mic/Line/Instrument)
Frequency response	10 Hz – 50 kHz (0 / -3 dB)
Impedance	Mic in: 3 k Ω / Instrument in: 1 M Ω
Max. input level	Mic: -4 dBu / Line: +20 dBu / Instrument: -3 dBu
Phantom power	+48 V, switchable

Output

Type	1 x ¼" stereo (Phones), 2 x ¼" TRS (Line Out)
Frequency response	10 Hz – 43 kHz (0 / +0.3 dB)
Max. output level	+3 dBu

Monitoring

Direct monitor control	Direct Monitor switch
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Digital Processing

Supported sample rates	44.1 / 48 / 88.2 / 96 / 176.4 / 192 kHz
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Computer Bus Connectivity

Type	USB 2.0, type B
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Specifications

Software Support	
Operating systems	Mac OS X*, Windows XP* or higher*
Drivers	No driver required / CoreAudio supported
Power	
Power consumption	Max. 2.5 W
Power supply	USB connector (bus-powered from computer) and adapter
Dimensions	
Dimensions (H x W x D)	46.45 x 170 x 125 mm (1.8 x 6.7 x 4.9")
Weight	0.5 kg (1.2 lbs)

We Hear You