

Thank you for showing your confidence in us by purchasing the MICROMON MA400, a monitor headphone amplifier that fits both flexible and compact. On your headphones, you can simultaneously listen to two audio signals:

- one from a microphone
- one from a mixer or a Hi-Fi unit

You can even emphasize one signal over the other. Hear yourself sing, or concentrate on the main audio program. Both are possible.

♦ **Please read the safety instructions that appear at the end of this document.**

Connectors and Control Elements

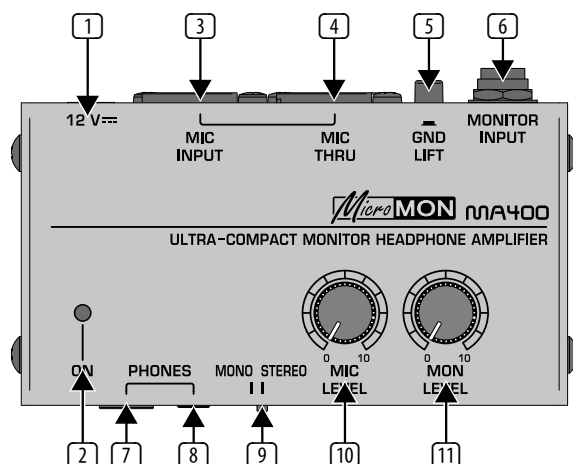


Fig. 1: MA400 connectors and control elements

♦ **High volumes can damage your hearing and your headphones. Before you use the MA400, turn the MIC LEVEL and MON LEVEL controls to 0 (zero).**

- 12 V** connector: To connect the power supply unit to the MA400, use the 12 V connector. Connecting the power supply unit to the mains automatically switches the MA400 on. To disconnect the unit from the mains, pull out the main cord plug.
- ON LED:** As soon as the unit is connected to the mains, the ON LED is illuminated.
- MIC INPUT** connector: To send a microphone signal to the MA400, you need an audio cable that includes XLR connectors.
Plug:
 - one XLR connector into the MIC INPUT connector
 - the other XLR connector into the microphone

- MIC THRU** connector: If you want to route the microphone signal from the MA400 to a mixer, you need an audio cable that includes XLR connectors.

Plug:

- one XLR connector into the MIC THRU connector
- the other XLR connector into a mic input on the mixer

- GND LIFT** button: When you connect a mixer to the MA400, keep this button pushed out to maintain a ground connection to the mixer.

This connection prevents electrostatic charges from interfering with your audio signals.

However, if ground-loop hum interferes with your audio signals, you can break the ground connection between the MA400 and the mixer. To do this, push in the GND LIFT button.

- MONITOR INPUT** connector: To send a signal from a mixer or Hi-Fi unit to the MA400, you need an audio cable that includes ¼" connectors (unbalanced/stereo TRS or unbalanced/mono TS).

Plug:

- one ¼" connector into the MONITOR INPUT connector
- the other ¼" connector into the AUX SEND of a mixer or, alternatively the output of a Hi-Fi unit

- ¼" PHONES** connector, **⅛" PHONES** connector: To connect headphones to the MA400, use the ¼" or, alternatively the ⅛" PHONES connector.

♦ **Do not simultaneously use both PHONES connectors.**

- MONO / STEREO** switch: To specify the type of mixer or Hi-Fi signal the MA400 receives, use this switch. If you plugged:
 - a TS connector into the MONITOR INPUT, the MA400 receives a mono signal. Push this switch to MONO.
 - a TRS connector into the MONITOR INPUT, the MA400 receives a stereo signal. Push this switch to STEREO.

- MIC LEVEL** control: To adjust the volume of the microphone signal, slowly turn this control toward 0 (minimum volume) or, alternatively 10 (maximum volume).

- MON LEVEL** control: To adjust the volume of the mixer or Hi-Fi signal, slowly turn this control toward 0 (minimum volume) or, alternatively 10 (maximum volume).

SERIAL NUMBER: To register your unit, use the serial number that is located on the bottom of the MA400.

Specifications

Mic Input

Type	XLR connector
Impedance	approx. 2 kΩ (balanced)
Max. input level	-18 dBu
CMRR	typically 40 dB, >50 dB @ 1 kHz
Gain	40 dB
Bandwidth	15 Hz to 25 kHz

Mic Thru

Type	XLR connector
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Monitor Input

Type	¼" TRS or ¼" TS connector
Gain	10 dB
Bandwidth	10 Hz to 80 kHz

Phones Output

Type	¼" and ⅛" TRS connectors
Impedance	min. 30 Ω
Max. output level	approx. +10 dBu (60 mW) @ 100 Ω load

System Specifications

THD	0.005% typ. (100 Ω loading)
Signal-to-noise ratio	-90 dBu @ 0 dBu, A-weighted

Powersupply

Mains connection	external power supply, 12 V / 150 mA
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Power Range

USA/Canada	120 V~, 60 Hz
U.K./Australia	240 V~, 50 Hz
Power consumption	approx. 2 W

Dimensions/Weight

Dimensions (H x D x W)	approx. 1 ⅝" x 4" x 2 ½" approx. 47 x 103 x 64 mm
Weight	approx. 0.84 lbs / 0.38 kg

EN Important Safety Instructions

- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 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.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Use only attachments/accessories specified by the manufacturer.
- 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.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- 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.
- The apparatus shall be connected to a MAINS socket outlet with a protective earthing connection.
- Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
- 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.