

MA4000M

ENERGY-EFFICIENT, 9-INPUT MIXER FEATURING
MULTIPLE INPUT CONNECTIVITY AND
DIVERSE SIGNAL ROUTING

EUROCOM Installed Sound

MA4000M Features:

- Multi-function mixer designed for continuous operation in distributed music, paging and AV applications
- State-of-the-art, energy-saving Switch-Mode Power technology drastically reduces energy cost
- 8 Mic/Line inputs on Euroblock, XLR/TRS and RCA connectors, each with switchable Mic/Line and Phantom Power, individual Trim control and post-trim input level LED
- Inputs 1-8 individually assignable to Zone 2/MOH output; Aux inputs 5-8 individually assignable to Main Mix
- Dedicated page input accepts telephone or paging microphone and features priority muting across all inputs
- Wired Remote volume, power and mute control connector
- Individual front panel input Level plus Lo and Hi Main EQ controls
- Auto-dimming control illumination, dual channel VU meter, Power switch, and dual-function indicator ring surrounding Master volume control
- Main Mix 1 & 2 outputs on balanced Euroblock connectors
- Recording output and Zone 2/MOH assignable output with independent gain control
- Detachable rack ears, screw covers, blank knob caps for control lock-out, IEC-type AC power cord and all mating Euroblock connectors included

Product Overview:

The EUROCOM MA4000M professional mixer offers extraordinary flexibility and ease-of-use in a rack-mountable system that is ideal for commercial installation applications such as restaurants, bars, stores, sports clubs, spas, and houses of worship. Designed for easy operation by non-technical personnel, the MA4000M combines a clear, intuitive front panel with back-panel controls that allow the installer tremendous flexibility in customizing the mixer to the needs of each individual installation.

The MA4000M includes eight source-switchable channels for balanced or unbalanced input from line-level sources or microphones, either standard or phantom powered. All channels accept input via Euroblock connectors (six 3-pin and two 4-pin with mute terminals) and have both a signal LED and a level trim. Inputs 1-4 also have XLR/TRS (¼-inch) combination jacks, while inputs 5-8 each have a pair of RCA jacks, summed internally to



MA4000M Technical Specifications:

Audio Inputs

Mic / Line inputs 1 & 2

Type	2 x XLR / ¼" TRS combo jacks 2 x 4-pin Euroblock in parallel
Impedance	Mic: -50 to 0 dBV, 600 Ω Line: -27 to 0 dBV, 600 Ω Electronically balanced

Mic / Line inputs 3 & 4

Type	2 x XLR / ¼" TRS combo jacks 2 x 3-pin Euroblock in parallel
Impedance	Mic: -50 to 0 dBV, 600 Ω Line: -27 to 0 dBV, 600 Ω Electronically balanced

Inputs 5 - 8

Type	4 x 3-pin Euroblock, electronically balanced
Impedance	Mic: -50 to 0 dBV, 600 Ω Line: -27 to 0 dBV, 600 Ω

Auxiliary

Type	4 x RCA stereo summed
Impedance	Line: -10 dBV, 10 kΩ, unbalanced

Tel / Page input

Impedance	1 x 4-pin Euroblock Mic: -50 to 0 dBV, 600 Ω Line: -27 to 0 dBV, 600 Ω
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Phantom power

24 VDC, switchable
Inputs 1–8 and Tel / Page

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Product Overview continued:

mono, for sources such as CD/MP3 players, cable boxes, and radio/TV tuners. A 4-pin Euroblock connector provides an additional input for telephone paging, and a 5-pin Euroblock allows connection of a remote control.

Outputs, all mono, include two main mix outs on 3-pin Euroblocks and two feeds that are each split to a pair of RCA jacks, one a recording feed (pre-master main mix) and one a Zone 2/Music on Hold mix that may be used to feed a supplemental sound reinforcement system. The Z2/MOH mix includes only input channels assigned via back-panel Z2/MOH DIP switches. DIP switches also determine whether the main mix outs are line or mic level, enable inputs 5-8 in the main mix, and select the paging input. Trim pots are provided to adjust the Zone 2/MOH output level, the paging input level, and mute depth, which determines the degree of attenuation during automatic ducking of background audio.

Front-panel controls include rotary faders for input levels as well as high and low EQ to optimize the sound for any environment. The front-panel master volume knob is surrounded by an indicator ring that glows yellow when the unit is powered and flashes red at the onset of clipping. A VU meter is provided to indicate output signal level.

Combining exceptionally flexible signal routing with all key functions for rack-mounted mixing and paging, the MA4000M is at once remarkably versatile and easy to use, making it an outstanding value for a wide variety of commercial installations in hospitality, retail, leisure, and business settings.

MA4000M Technical Specifications continued:

Audio Outputs

Main mix outputs 1 & 2	2 x 3-pin male Euroblock, Mic/Line switchable
Impedance	Mic: -40 dBV, 1 kΩ Line: 0 dBV, 600 Ω Electronically balanced
Z2 / Mon output	1 x dual RCA jack
Impedance	0 dBV, 600 Ω, unbalanced
Record output	1 x dual RCA jack
Impedance	0 dBV, 600 Ω, unbalanced

System Information

Dynamic range	Mic: 65 dB Line: 80 dB
THD+N	0.5% @ 1 kHz, rated output
Frequency response	50 Hz - 18 kHz, +/- 2 dB
Tone controls	Low: +/- 12 dB @ 100 Hz High: +/- 12 dB @ 10 kHz

Control Connections

Remote	1 x 5-pin Euroblock connector
Volume	10 kΩ linear-taper potentiometer
Power	+5 VDC voltage make contact input; no open voltage
Mute	No-voltage make contact input; open voltage 5 VDC Short circuit: < 10 mA
DC power	+5 VDC, 100 mA Current limited, short-circuit protected
Tel / Page	1 x 4-pin Euroblock, 1 terminal
Mute	No-voltage make contact input; open voltage 24 VDC Short circuit: < 10 mA
Inputs 1 & 2	2 x 4-pin Euroblock, 1 terminal each
Mute	No-voltage make contact input; open voltage 24 VDC Short circuit: < 10 mA

Indicators

Power	LED ring illumination (Yellow)
Overload / protection	LED ring indication (Red)
Output level	LED VU output meter (Yellow and Red while clipping)

Power Supply (Fuses)

Mains voltage	100-240 VAC, 60/50 Hz
Fuse	T 1 AH 250 V
Power consumption	26 W
Mains connector	Standard IEC receptacle

Dimensions / Weight

Dimensions (H x W x D)	3.5 x 17 x 16" / 88 x 432 x 406 mm
Weight	10.2 lbs / 4.6 kg

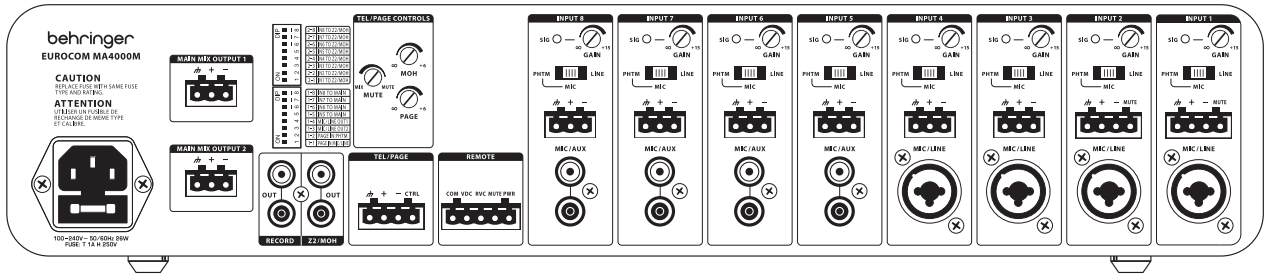


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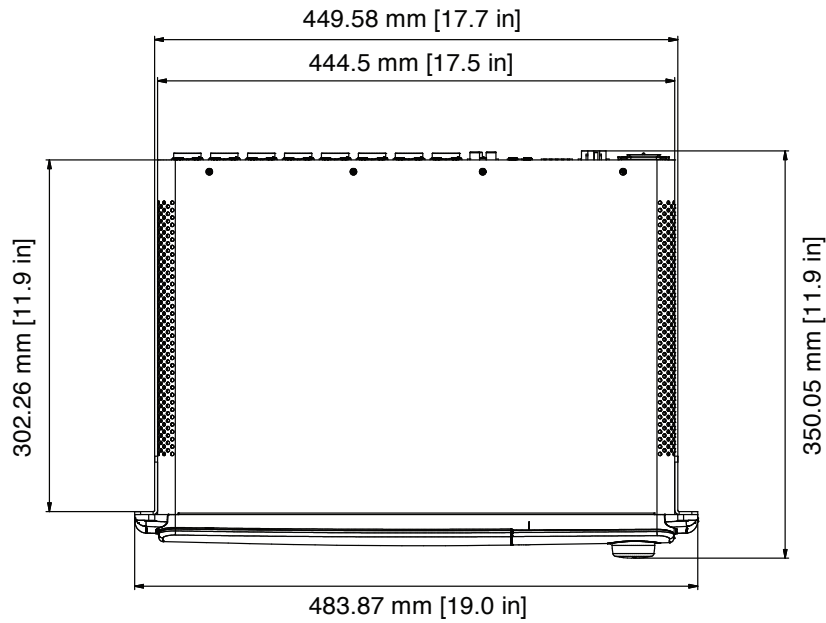
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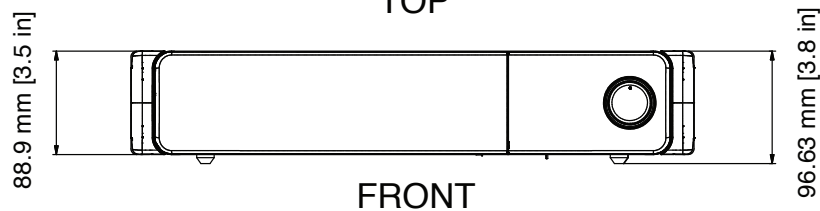
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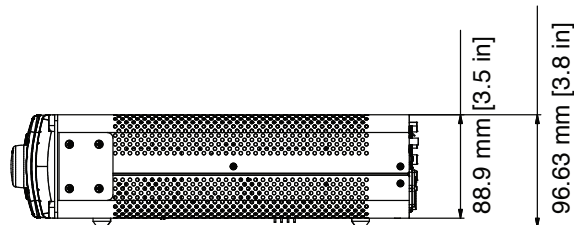
REAR



TOP



FRONT



SIDE

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Architect's and Engineer's Specifications:

The mixer shall be of rack-mountable design with built-in paging functions, eight mic/line inputs, a telephone paging input, and field-configurable routing options feeding multiple outputs.

Controls and indicators shall include the following:

- Power switch to turn the unit on and off
- Power Indicator displaying amber logo when unit is powered
- Master Volume knob for setting overall volume
- Indicator ring for power (yellow) and clipping (flashing red)
- VU meter to indicate amplifier signal level
- HI EQ/LO EQ knobs to adjust the overall treble and bass
- Input level knobs (1-8) to set the relative level of each input
- Phantom/Mic/Line switch (8) to select mode of each input channel
- Signal LED (8) for each input to indicate presence of signal
- Gain screw pot (8) for each input to trim input gain
- Z2/MOH DIP switches (8) to assign inputs to the Z2/MOH output
- Function DIP switches (8) to assign inputs 5-8, set level (line or mic) for main mix outs, and set the page input (line, mic, or phantom-power mic)
- Page input screw pot to adjust paging input level
- Mute depth screw pot to set ducking of aux inputs during pages
- Z2/MOH output screw pot to adjust the level of the Z2/MOG feed

Connections to the mixer shall include:

- Mic/Line inputs on four XLR/TRS (¼-inch) combination jacks, six 3-pin Euroblock connectors, and two 4-pin Euroblock connectors with mute terminal
- Aux inputs on four pairs of unbalanced line-level RCA jacks, each summed to mono
- Tel/Page input on a 4-pin Euroblock connector
- Main mix outputs (2) on 3-pin Euroblock connectors
- Z2/MOH line-level output on a pair of RCA jacks
- Record line-level output on a pair of RCA jacks
- Remote control input on 5-pin Euroblock connector
- AC power on IEC receptacle

Performance criteria for the mixer shall be:

- Dynamic range of 65 dB for Mic and 80 dB for Line
- Distortion (THD+N, 1 kHz) of 0.5% at rated output
- Frequency Response of 50 Hz-18 kHz, +/- 2 dB

AC Power requirements of the mixer shall be:

- Mains voltage of 115 ~ 240 VAC, at 50/60Hz
- Power consumption of 13 W

Physical characteristics of the mixer shall be:

- Height x Width x Depth of 3.5 x 17 x 16 in (88 x 432 x 406 mm)
- Net weight of 10.2 lbs (4.6 kg)

The mixer shall be the BEHRINGER EUROCOM MA4000M.