

eHMA250

MIXING AMPLIFIER

Powered mixer



PRODUCT OVERVIEW

eHMA250 is a self-powered audio mixer including 2 MIC inputs, 2 MIC/LINE ST inputs, 2 LINE ST inputs and one AUX/REC output. Supports both low (4 and 8Ω) and high impedance (50, 70 and 100V) loudspeaker lines, with independent 4-ZONE ON/OFF switches (ZONE 1, ZONE 2, ZONE 3 and ZONE 4), besides a low impedance output and an auxiliary output.

It also includes an audio priority system (voice messages, emergencies, etc.) available in 4 inputs and embedded Chime function (compatible with 1 zone paging microphones), 2 band tone control, auto stand-by mode, MUTE port and Remote port (RJ45) for remote volume control, compatible with Ecler WPaVOL.

KEY FEATURES

- 1 x 250W @ 4Ω / 8Ω / 50V / 70V / 100V (Load selector)
- 4 x ZONE ON/OFF selection switches
- 2 MIC inputs, including Talkover function (priority)
- 2 MIC / LINE inputs, including Talkover function (priority)
- 2 ST LINE input
- Embedded Chime tone, via dry contact closure
- 2-band EQ (BASS/TREBLE) for Mix Output
- Remote port for volume control (WPa series compatible)
- Auto Stand-by function
- 15VDC Phantom Power (external switch)
- MUTE port to remotely mute the unit from an external device, via dry contact closure

APPLICATIONS

- Retail
- Hospitality
- Education
- Corporate
- Sports and wellness

ACCESSORIES AND COMPATIBLE PRODUCTS

- WPaVOL

TECHNICAL SPECIFICATIONS

eHMA250

Inputs

INPUTS 1-2	MIC
Type	Mono, balanced
Connectors	Euroblock
Nominal Impedance	>1k Ω
Phantom power	+15VDC (ON/OFF ext switch)
Sensitivity	-20 to -50dBV
CMRR	>65dB @ 1kHz
Talkover	Time: 2 sec. Depth: -30dB
INPUTS 3-4	MIC / LINE
Type	Mono, balanced / Stereo, unbalanced
Connectors	Euroblock / RCA
Nominal Impedance	>1k Ω / >4,5k Ω
Phantom power (MIC)	+15VDC (ON/OFF ext switch)
Sensitivity	-20 to -50dBV / -15 to +15dBV
CMRR (MIC)	>65dB @ 1kHz
Talkover	Time: 2 sec. Depth: -30dB
INPUTS 5-6	LINE
Type	Stereo, unbalanced
Connectors	RCA
Nominal Impedance	>4,5k Ω
Sensitivity	-15 to +15dBV

Power Output

Low-Z output	250W @ 4 Ω / 8 Ω
High-Z output	250W @ 50V/ 70V/ 100V
Frequency Response (HI-Z OUT)	70Hz – 25kHz (-3dB)
Frequency Response (LOW-Z OUT)	20Hz – 25kHz (-3dB)
THD + Noise@ 1kHz Full Power, Speaker Out, Line	<0.09%
THD + Noise Aux Out	<0.02%
Channel Crosstalk @ 1kHz	>65dB
AUX OUTPUT	
Nominal Level	0dB
Min Load	10k Ω

High Pass Filter

High-Z OUTPUT	70Hz / 12dB/oct
Low-Z OUTPUT	20Hz / 12dB/oct

Tone Control

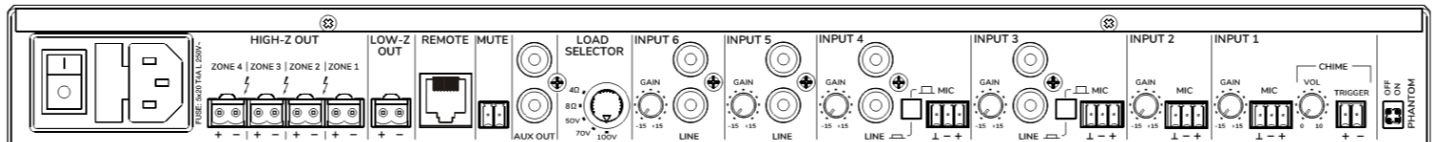
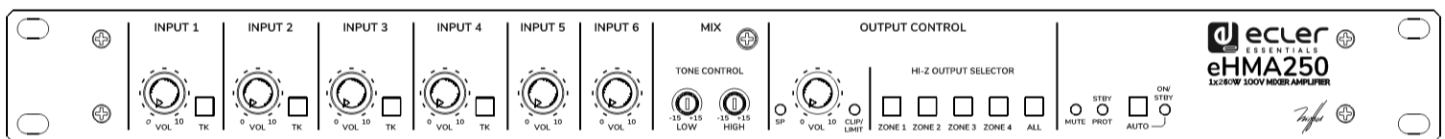
Bass	100Hz \pm 15dB
Treble	10kHz \pm 15dB

Signal Noise Ratio (Gain at center, Low-Z Out)

LINE	>85dB
MIC (BAL)	>75dB

Auto Standby		
	MUTE time	2 min
	STANDBY time	10 min
	Trigger Level	-40dB
Supply		
	Mains	100-240VAC, 50-60Hz
Power Consumption		
	Pink noise, 1/8 power	45W
	Pink noise, 1/3 power	95W
	Standby mode (time: 2 min)	8W
	Efficiency (typical)	82%
Mechanical		
	Dimensions (WxDxH)	435x220x44mm / 17,1"x8,7"x1,7"
	Weight	3kg / 6,6 lb.

MECHANICAL DIAGRAM





All product characteristics are subject to variation due to production tolerances. **NEEC AUDIO BARCELONA S.L.** reserves the right to make changes or improvements in the design or manufacturing that may affect these product specifications.

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