

eHMA120

MIXING AMPLIFIER

Powered Mixer



PRODUCT OVERVIEW

eHMA120 is a self-powered audio mixer including three MIC/LINE ST inputs, one LINE ST input and one mono output. Supports both low ($4\ \Omega$) and high impedance (70V, 100V) loudspeaker lines, with independent 2-ZONE ON/OFF switches (ZONE 1, ZONE 2). It also includes an audio priority system (voice messages, emergencies, etc.) available in 3 inputs, Pager and embedded Chime function (compatible with 1 zone paging microphones), 2 band tone control, auto stand-by mode, MUTE port and universal power supply unit, being compatible with external 24 VDC IN backup supply systems.

KEY FEATURES

- 1 x 95W @ $4\ \Omega$
- 1 x 95W @ 70V / 100V
- 2 x ZONE ON/OFF selection switches
- 1 ST LINE input
- 3 MIC / LINE inputs, including Talkover function (priority)
- 1 Pager port, including embedded Chime tone
- 2-band EQ (BASS/TREBLE) for Mix Output
- 24VDC external power supply included, with external battery backup connector
- Auto Stand-by function
- 24VDC Phantom Power (external switch)
- MUTE port to remotely mute the unit from an external device, via dry contact closure
- Rack mount kit included

APPLICATIONS

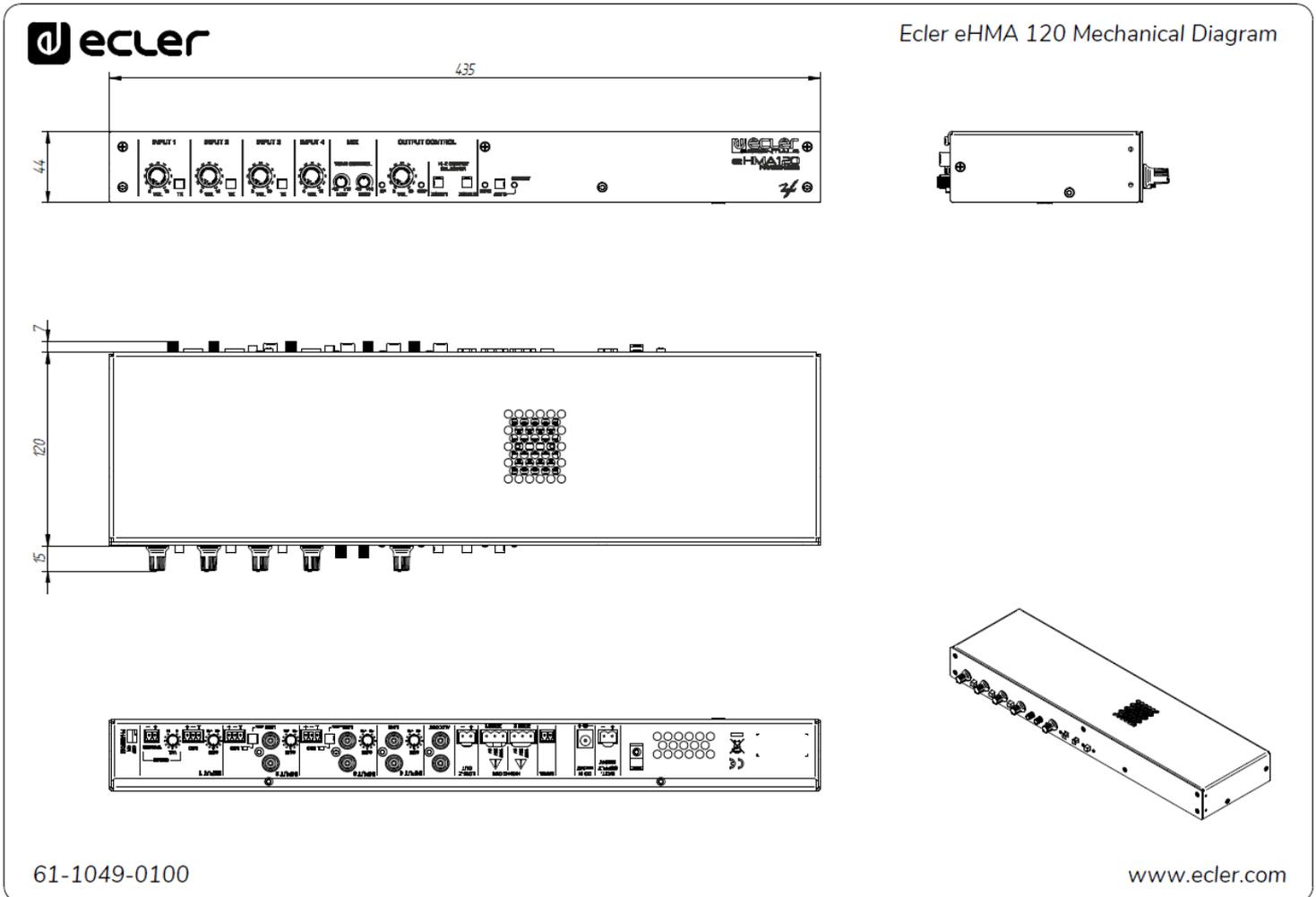
- Retail stores, restaurants and bars
- BGM & Paging solutions, with message priorities and source/volume independent selection

TECHNICAL SPECIFICATIONS

eHMA120

Power output		
Low Z output		95W @ 4Ω 1% THD
100V output		95W @ 100Ω 1% THD
Frequency response (HPF at 70Hz)		70Hz - 25kHz (-3dB)
THD+Noise @ 1kHz Full Power, Speaker Out, Line		<0.2%
Channel crosstalk @ 1 kHz		>65dB
Sensitivity / Nominal impedance		
INPUT 2 LINE		-15dBV to + 15dBV / >10 kΩ
INPUT 3 LINE		-15dBV to + 15dBV / >10 kΩ
INPUT 4 LINE		-15dBV to + 15dBV / >10 kΩ
INPUT 1 MIC		-20dBV to -50dBV / >1 kΩ
INPUT 2 MIC		-20dBV to -50dBV / >1 kΩ
INPUT 3 MIC		-20dBV to -50dBV / >1 kΩ
CMRR		
	MIC (BAL)	>65dB @ 1kHz
Tone control (LINE & MIC)		
	BASS	100Hz ±15dB
	TREBLE	10kHz ±15dB
Signal Noise Ratio (Gain at center, low Z output)		
	LINE	>85dB
	MIC (BAL)	>75dB
Talkover (INPUT 1, 2 & 3)		
	Time	2 sec.
	Depth	-30dB
Phantom voltage		
		+24VDC / 10mA max.
Mute		
	Configuration	Normally open (by dry contact)
Supply		
	DC supply	24V
	Mains (using supplied DC adapter)	100-240VAC + External PSU 24VDC
Power consumption		
	Pink noise, 1/8 power	47 VA / 26W
	Pink noise, 1/3 power	64 VA / 58W
	Standby mode (time 2 minutes)	<5W
Dimensions		
	Panel (WxHxD) (knobs excluded)	435 x 44 x 120 mm / 17.13 x 1.73 x 4.72 in
	Weight	2.9kg / 6.39 lb
	Shipping Dimensions (WxHxD)	320 x 70 x 580 mm / 12.6 x 2.76 x 22.83 in.
	Shipping Weight	4.2 kg / 9.26 lb

MECHANICAL DIAGRAM



Ecler eHMA 120 Mechanical Diagram

All the measurements are in mm

61-1049-0100

www.ecler.com

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.

For technical requests address to your supplier, distributor or fill the contact form in our website, at [Support / Technical Request](#).

Motors, 166-168 08038 Barcelona - Spain - (+34) 932238403 | information@ecler.com | www.ecler.com