

## eHMA120

### MIXING AMPLIFIER

*Powered mixer*



### PRODUCT OVERVIEW

ECLER ESSENTIALS 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

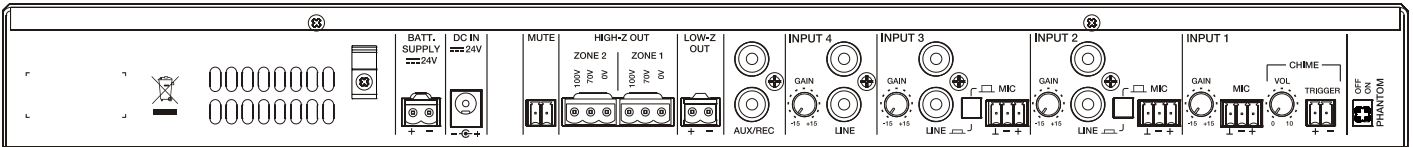
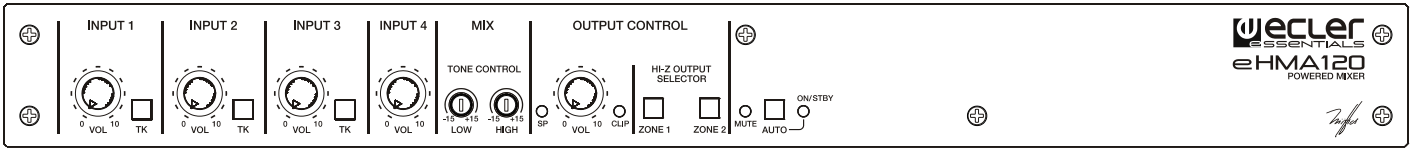
### APPLICATIONS

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

### CERTIFICATIONS

- EN60065:2014
- EN55103-1:2009
- EN55103-2:2009
- 2006/95/EC
- 2004/108/CE

MECHANICAL DIAGRAMS



TECHNICAL DATA

<b>Power output</b>		
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	<0.02%	
Channel crosstalk @ 1 kHz	>65dB	
<b>Sensitivity / Nominal impedance</b>		
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	
<b>CMRR</b>		
MIC (BAL)	>65dB @ 1kHz	
<b>Tone control (LINE &amp; MIC)</b>		
BASS	100Hz ±15dB	
TREBLE	10kHz ±15dB	
<b>Signal Noise Ratio (Gain at center, low Z output)</b>		
LINE	>85dB	
MIC (BAL)	>75dB	
<b>Talkover (INPUT 1, 2 &amp; 3)</b>		
Time	2 sec.	
Depth	-30dB	
<b>Phantom voltage</b>		
	+24VDC / 10mA max.	
<b>Mute</b>		
Configuration	Normally open (by dry contact)	
<b>Supply</b>		
DC supply	24V	
Mains (using supplied DC adapter)	90-264VAC 47-63Hz	
<b>Power consumption</b>		
Pink noise, 1/8 power	47 VA / 26W	
Pink noise, 1/3 power	64 VA / 58W	
Standby mode (time 2 minutes)	<5W	
<b>Dimensions</b>		
Panel WxDxH (knobs excluded)	435x120x44mm	
Weight	2.9kg	

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.  
 Motors, 166-168 08038 Barcelona - Spain - (+34) 932238403 information@ecler.es [www.ecler.com](http://www.ecler.com)