

# HMA120

## POWERED MEDIA MIXER



Self-powered mixer including an integrated media player and 5 external audio inputs: 3 x LINE ST, 1 MIC/LINE and 1 MIC. It features a 120W powered output that supports both low (4  $\Omega$ ) and high impedance (70V, 100V) loudspeaker lines. It also includes a 2 level priority system (paging, emergencies, etc.), auto stand-by mode, AUX OUT and an additional remote control port to manage the source selection and output volume by means of WPM series wall panels.

HMA120 is the perfect integral solution for user-friendly and budget audio projects.

### Main Characteristics

- 1 balanced microphone input mixable with the selected music program (MIC1)
- 1 balanced microphone/line input mixable with the selected music program (MIC2/LINE)
- 3 line inputs for music sources
- Integrated audio player (supporting mp3 format) with USB and SD CARD slots for media storage devices
- Music program selector on the front panel: LINE1, LINE2, LINE3, MEDIA (integrated player)
- Noise gate and two-level priority system (Talkover 1 and Talkover 2) for MIC1 and MIC2/LINE inputs
- Independent level controls on the front panel for MIC1 and MIC2/LINE signals
- Independent level control on the front panel for the music program (MUSIC)
- 2-band EQ (BASS/TREBLE) for MIC1 and MIC2/LINE signals
- 2-band EQ (BASS/TREBLE) for the music program signal
- REMOTE port for connecting WPM series wall panels, 0 - 10VDC (source selection and volume control)
- MUTE port to remotely mute the unit from an external device, via dry contact closure
- Auxiliary Output
- Auto Stand-by function (auto-switching to low consumption mode in the absence of input signals)
- Amplified mono output @ low impedance, 120 WRMS (4 $\Omega$ ), and high impedance (70V/100V)

### Applications

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

### Technical Characteristics

4Ω, 100V & 70V Output	Power		@1%THD [cold] PEAK
		4Ω	110W 140W
		8Ω	84W 105W
		70V @ 41Ω	110W 140W
		100V @ 85Ω	110W 140W
	Frequency response	70Hz - 17kHz (-3dB/4Ω)	
	High Pass Filter	3rd order Butterworth	70 Hz
AUX Output (L+R)	THD+Noise	@ 1kHz Full Power	≤0.2%
	Channel crosstalk	@ 1kHz	→70dB (Inputs shorted)
	Output Level / Minimum Load		-6dBV / 10kΩ
	Frequency response		15Hz - 40kHz [-1dB]
	LINE Inputs	Sensitivity / Nominal impedance	LINE 1-2
		LINE 3	-6dBV / →70kΩ
Signal Noise Ratio			→87dB
MIC Inputs	Sensitivity / Nominal impedance	MIC 1-2 [BAL]	-20 to -50dBV / →4.5KΩ
		LINE* [BAL]	-0 to -30dBV / →4.5kΩ
	CMRR	MIC 1-2 [BAL]	→70dB @ 1kHz
	Signal Noise Ratio		→60dB
	Phantom voltage/current		+15VDC / 8mA max.*

### HMA120

Tone control (LINE & MIC)	BASS		100Hz $\pm$ 10dB
	TREBLE		6KHz $\pm$ 10dB
Remote	Type		WPMVOL-SR
	Volume	Analog control	0-10V (0V max volume)
	Input Selection	Analog control	OFF-1-2-3-4
Mute	Configuration		Normally open
	Signal Present	Trigger level	-35 dB
	Clip		
Indicators	Power On		
	Auto Standby	Trigger time	after 2 minutes without input signal
Supply	Mains voltage	See characteristics in the back of the unit.	
	Pink noise, 1/8 power @ 4ohm		43VA/29W
Power consumption	Pink noise, 1/3 power @ 4ohm		90VA/65W
	Maximum power @ 4ohm		213VA/168W
	Stand By		5W
	Dimensions WxDxH		210x230x88mm
	Weight	Net	5950g
		Gross	7160g

### Accessories

- 2UHRMKIT rack installation accessory (kit including 2 brackets)
- MPAGE1 paging station
- WPM series wall panel controls

### Recommended loudspeaker selection

- AUDE0 series
- AMBIT series
- IC in-ceiling series
- ICPLUS in-ceiling series

All product characteristics are subject to variation due to production tolerances. ECLER, S.A. reserves the right to make changes or improvements in the design or manufacturing that may affect these product specifications.

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