

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 Ω) 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 (4Ω), and high impedance (70V/100V)

Applications

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

Technical Characteristics

HMA120

			@1%THD (cold)	PEAK
4Ω, 100V & 70V Output	Power	4Ω	110W	140W
		8Ω	84W	105W
		70V @ 41Ω	110W	140W
		100V @ 85Ω	110W	140W
		Frequency response	70Hz - 17kHz (-3dB/4Ω)	
AUX Output (L+R)	Output Level / Minimum Load		-6dBV / 10kΩ	
		Frequency response	15Hz - 40kHz (-1dB)	
		THD+Noise @ 1kHz Full Power	<0.2%	
		Channel crosstalk @ 1kHz	->70dB (Inputs shorted)	
LINE Inputs	Sensitivity / Nominal impedance	LINE 1-2	0dBV / ->70kΩ	
		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.*		

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Tone control (LINE & MIC)	BASS		100Hz ±10dB	
	TREBLE		6KHz ±10dB	
	Type		WPMVOL-SR	
Remote	Volume	Analog control	0-10V (0V max volume)	
	Input Selection	Analog control	OFF-1-2-3-4	
	Configuration		Normally open	
Mute	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