

HZA-F SERIES

FLEXI-POWER AMPLIFIER SERIES

HZA4-70F, HZA4-120F



The HZA4-70F and HZA4-120F are four MERGING channel amplifiers with direct 100 V line (high impedance) outputs. They integrate Ecler's proprietary SPM 100 Technology - Channel N, which allows for 100 V speaker lines connection without using 100 V line transformers at their amplified outputs, as this kind of amplifiers usually do. This fact has many advantages, being the main ones the audio quality improvement (specially in the low-end frequencies) and the convection cooling, 100% silent.

Key features

- 4 mono balanced inputs
 - 4 x 70 W or 4 x 120 W amplified outputs (100V line level)
 - 4 volume remote control ports (0 - 10 VDC)
 - Euroblock connectors
 - SPM 100 amplification Technology - Channel N (no 100 V output transformers used):
 - Improved frequency response (specially at the low-end)
 - Convection cooling (100% silent and increased reliability)
 - Great efficiency
 - Low weight
 - Auto stand-by function after 2 minutes without audio input signals, with instantaneous auto-recovery
 - Thermal protection
 - Overload protection
 - Anti-clip system
- Every 2 adjacent channels can be merged, getting one out of these possible configurations in the case of the HZA4-70F:
- 4 x 70W @ 100 V line outputs
 - 2 x 70W + 1 x 140 W @ 100 V line outputs
 - 2 x 140W @ 100 V line outputs
 - 1 x 70W + 1 x 210 W @ 100 V line outputs
 - 1 x 280W @ 100 V line output
- And these ones in the case of the HZA4-120F:
- 4 x 120W @ 100 V line outputs
 - 2 x 120W + 1 x 240 W @ 100 V line outputs
 - 2 x 240W @ 100 V line outputs
 - 1 x 120W + 1 x 360 W @ 100 V line outputs
 - 1 x 480W @ 100 V line output

Applications

- Multi-zone BGM and paging systems with 100V line speakers, combined with the MIM054 and MIM088 matrixes and SAM series preamplifiers

Technical Characteristics

	HZA4-120F	HZA4-70F
Output power:	1 Channel	TBA
	2 Merged Channels	TBA
	3 Merged Channels	TBA
	4 Merged Channels	TBA
Frequency response [-3dB]	30Hz - 55kHz	
High Pass filter 3rd order Butterworth	70Hz	
THD + Noise @ 1 kHz Full power	<0.03%typ. 0.2% max.	
Signal Noise Ratio @ 100V	>90dB	
Channel Crosstalk @ 1kHz/100V	>90dB	
Inputs:	Sensitivity nom/Impedance	0dBV/20kΩ
	Connectors	Terminal Block (Symmetrical)
Outputs:	Connectors	Terminal Block
	Power	Green (ON), Red (Standby)
Indicators:	Signal present	-35dB
	Clip	
	Overload	
	Thermal	
	Merge	



	HZA4-120F	HZA4-70F	
Remote control:	DC	0-10V/0.1A max	
	No attenuation	0V	
	Full attenuation	+10V	
Auto Power:	Connectors	Terminal block	
	Threshold	>-30dB aprox	
Mains Voltage:	Time	100 sec. aprox	
	Depending on your country	Depending on your country. See characteristics in the back of the unit	
Power consumption:	See characteristics in the back of the unit	See characteristics in the back of the unit	
	pink noise, 1/8 power @ 136°C	340VA	TBA
	pink noise 1/3 power @ 136°C	470VA	TBA
Dimensions:	Standby	<3W	TBA
	Panel	482.6x88mm	
Weight:	Depth (Handle excluded)	392mm	
		13.60kg	TBA

Suggested 100V line speakers:

- AUDE0 series
- IC / IW / ICPLUS series
- AMBIT SERIES
- ECL106 series
- ICPLUS series (100V version)

Suggested remote control accessories:

- WPM series wall panels