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 MIMO54 and MIMO88 matrixes and SAM series preamplifiers

Technical Characteristics		HZA4-120F		HZA4-70F
		1%THD	**10% THD**	
Output power:	1 Channel	114WRMS@88Ω	145WRMS@88Ω	TBA
	2 Merged Channels	195WRMS@50Ω	226WRMS@50Ω	TBA
	3 Merged Channels	290WRMS@32Ω	348WRMS@32Ω	TBA
	4 Merged Channels	356WRMS@26Ω	430WRMS@26Ω	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		
Indicators:	Power	Green (ON), Red (Standby)		
	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	
	Connectors	Terminal block	
Auto Power:	Threshold	›-30dB aprox	
	Time	100 sec. aprox	
Mains Voltage:	Depending on your country. See characteristics in the back of the unit	Depending on your country. See characteristics in the back of the unit	
Power consumption:	pink noise, 1/8 power @ 136©	340VA	TBA
	pink noise 1/3 power @ 136©	470VA	TBA
	Standby	‹3W	TBA
Dimensions:	Panel	482.6x88mm	
	Depth (Handle excluded)	392mm	
Weight:		13.60kg	TBA

Suggested 100V line speakers:

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

Suggested remote control accessories:

- WPm series wall panels