

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
- Volume control knobs on front panel with protection cap, against undesired manipulation
- 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



PRODUCT

Applications

- Multi-zone BGM and paging systems with 100V line speakers, combined with the MIMO54, DAM614 and MIMO88 matrixes and SAM series preamplifiers

Technical Characteristics

	HZA4-120F		HZA4-70F	
	1%THD	10% THD	1%THD	10% THD
Output power:	114WRMS@88Ω	145WRMS@88Ω	74WRMS@136Ω	93 WRMS @ 88Ω
	195WRMS@50Ω	226WRMS@50Ω	140WRMS@72Ω	163 WRMS @ 50Ω
	290WRMS@32Ω	348WRMS@32Ω	204WRMS@50Ω	245 WRMS @ 32Ω
	356WRMS@26Ω	430WRMS@26Ω	260WRMS@38Ω	312 WRMS @ 26Ω
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)			
	Signal present -35dB			
Indicators:	Clip			
	Overload			
	Thermal			
	Merge			

HZA4-120F HZA4-70F

Remote control:	DC	0-10V/0.1A max	
	No attenuation	0V	
	Full attenuation	+10V	
Auto Power:	Threshold	>-30dB aprox	
	Time	100 sec. aprox	
Mains Voltage:	Depending on your country	Depending on your country. See characteristics in the back of the unit	
	See characteristics in the back of the unit	See characteristics in the back of the unit	
Power consumption:	pink noise, 1/8 power @ 136Ω	340VA	298VA
	pink noise 1/3 power @ 136Ω	470VA	407VA
	Standby	<3W	
Dimensions:	Panel	482.6x88mm	
	Depth (Handle excluded)	392mm	
Weight:	13.60kg	TBA	

Suggested 100V line speakers

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

Suggested remote control accessories

- WPM series wall panels