

## HZA4-70F

HIGH IMPEDANCE

*Flexi-Power Amplifier*



### PRODUCT OVERVIEW

The HZA4-70F is a four MERGING channel amplifier with direct 4 x 70 WRMS @ 100 V line (high impedance) outputs. It integrates Ecler's proprietary SPM 100 Technology - Channel N, which allows for 100 V speaker lines connection without using 100 V line transformers at the 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 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, 3 or 4 adjacent channels can be merged, adding their output power and managing their signal routing and volume control as a single merged channel

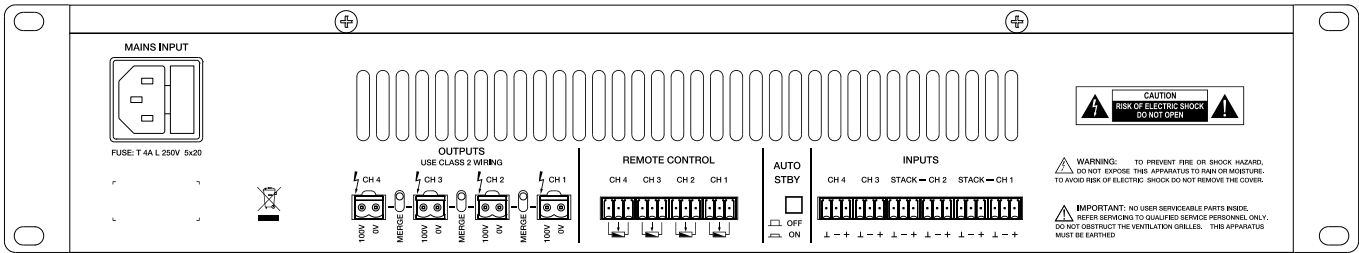
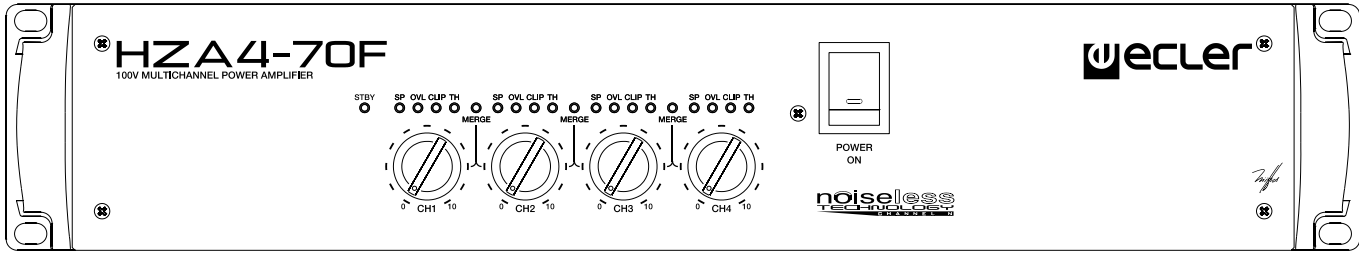
### APPLICATIONS

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

### ACCESSORIES AND COMPATIBLE PRODUCTS

- WPa series (for Remote Volume control)

MECHANICAL DIAGRAMS



TECHNICAL DATA

<b>Output power @ 1% THD</b>	
1 Channel	74 WRMS @ 100V line
2 Merged Channels	140 WRMS @ 100V line
4 Merged Channels	204 WRMS @ 100V line
4 Merged Channels	260 WRMS @ 100V line
<b>Output power @ 10% THD</b>	
1 Channel	93 WRMS @ 100V line
2 Merged Channels	163 WRMS @ 100V line
4 Merged Channels	245 WRMS @ 100V line
4 Merged Channels	312 WRMS @ 100V line
<b>Others</b>	
Frequency response (-3dB)	30Hz - 55kHz
High pass filter 3rd order Butterworth	70Hz
THD+Noise @ 1kHz Full Power	<0.03% typ. 0.2% max.
Signal Noise Ratio @ 100V	>90dB
Channel Crosstalk @ 1kHz/100V	>90dB
<b>Inputs</b>	
Sensitivity nom / Impedance	0dBV/>20kW
Connectors	Terminal Block (Symmetrical)
<b>Outputs</b>	
Connectors	Terminal Block
<b>Indicators</b>	
Power	Green (ON), Red (Standby)
Signal Present/Clip/Overload/Thermal	-35dB / Yes / Yes / Yes
<b>Remote control</b>	
DC	0-10V/0.1A max
No attenuation	0V
Full attenuation	+10V
Connectors	Terminal block
<b>Auto power</b>	
Threshold	>-30dB aprox
Time	100 sec. aprox
Mains voltage	See characteristics in the back of the unit.
<b>Power consumption</b>	
pink noise, 1/8 power @ 136Ω	298VA
pink noise, 1/3 power @ 136Ω	407VA
Standby	<3W
<b>Dimensions</b>	
Dimensions	WxHxD: 482.6 x 88 x 373mm (Handle excluded)
Weight	12.75kg

All product characteristics are subject to variation due to production tolerances. NEEC AUDIO BARCELONA S.L. reserves the right to make changes or improvements in the design or manufacturing that may affect these product specifications.  
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