

eCA120HZDN

COMPACT AMPLIFIERS

DANTE™/AES67 INTERFACE AMPLIFIER



PRODUCT OVERVIEW

eCA120HZDN is a 120 WRMS @ 100V efficiency (class D) mono compact amplifier for high impedance lines. It features 2 x analogue audio inputs and 2 x DANTE™/AES67 audio inputs, both with selectable priority function (over the other input signal) as well as an auxiliary audio output. Auto stand-by function (selectable) and fanless design (100% silent). It also has a remote control volume port compatible with ECLER WpM wall-panel control series. Universal external power supply included.

KEY FEATURES

- 1 x 120W RMS @ 100V output
- 1 x auxiliary audio output (Euroblock connector), for connecting to a sub-woofer unit e.g.
- 1 x unbalanced stereo input (LINE INPUT), with dual RCA connector and 3-in Euroblock connector
- 2 x DANTE™/AES67 audio input (DANTE INPUT), with RJ-45 connector
- Selectable PRIORITY FUNCTION with selectable priority signal: the analogue audio input (LINE INPUT) can be selected as priority signal over the DANTE™/AES67 audio input (DANTE INPUT), or vice versa.
- Priority release time adjustment (FAST / SLOW).
- Selectable AUTO STANDBY function: in the absence of an audio signal the unit automatically goes into STANDBY mode, minimizing power consumption.
- Gain adjust of audio inputs on front panel (trimmers)
- Local volume control by knob
- Remote volume control (RJ-45 connector.) via WpM wall-panel control series (0-10 VDC).
- Lightweight, silent, high-performance amplifier (fan-free convection cooling)
- External, universal power supply (included)

APPLICATIONS

- Audio Over IP transmission, using standard Ethernet networks
- DANTE™/AES67 digital audio receiver
- Priority messages management
- Education, Retail Centers, Museums, Etc.

ACCESSORIES AND COMPATIBLE PRODUCTS

- 1UHRMKIT (Rack-mount Kit)



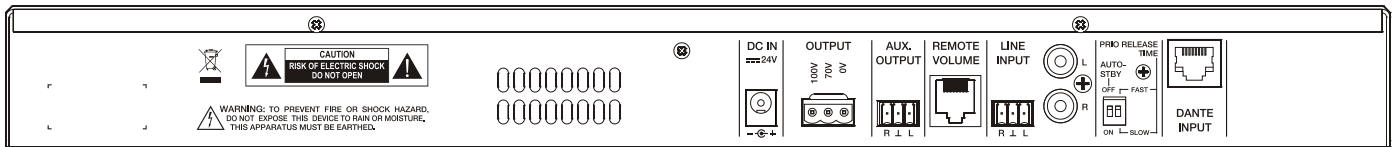
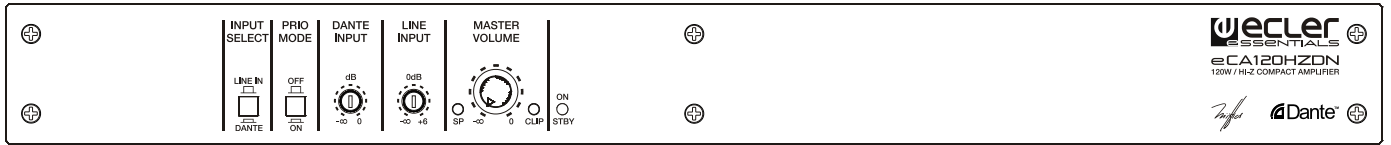
1UHRMKIT

TECHNICAL SPECIFICATIONS

eCA120HZDN

Analogue input / output	
Power	98W@ 100Ω 1% THD (100V Output) 98W@ 50Ω 1% THD (70V Output)
Frequency response	75Hz - 25kHz (-3dB)
THD+Noise @ 1kHz Full Pwr. SPKR OUT	< 0.07%
Channel crosstalk @ 1kHz	>65dB
Inputs Sensitivity nom/Impedance	0dBV/>20kΩ
Volume adjust	-∞ to +6dBV
High Pass Filter (internal, no removable)	70Hz
Signal Noise Ratio	>70dB
DANTE™/AES67 input	
Volume adjust	-∞ to 0dBV
Resolution	24 bits
Dynamic range	100dB
DANTE™/AES67 audio interface	
DANTE™/AES67 Network outputs	2
Latency	1 / 2 / 5 ms (selectable)
Connector	1 x RJ45
Cable length between devices	100m CAT5 or CAT5e / CAT6
Priority and input mode	
Priority function	Threshold: -30dB
Priority release time (with Fade-in)	Fast: 4seg. Slow: 18 seg.
Miscellaneous	
Remote control	Master Volume Analog. 0 -10V based (RJ45 connector)
Auto standby	Time: 90 seg. (aprox.) Threshold: -40dBV (L&R)
Signal present	Threshold -40dBV (L&R)
Input select button	Pressed: DANTE™/AES67 INPUT Released: Line INPUT
Priority mode button	Pressed: Mode ON Released: Mode OFF
Supply	
DC supply	24V
Mains (using supplied DC adapter)	100-240VAC + External PSU 24VDC
Power consumption	
Pink noise, 1/8 power @ 4 ohm	38,4VA / 26,3W
Pink noise, 1/3 power @ 4 ohm	65,4VA / 55,0W
Standby mode (time 2 minutes)	14,3VA / 4,5W
Mechanical	
Dimensions WxHxD	435x44x120mm
Weight	2,8 kg.

MECHANICAL DIAGRAM



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.

For technical requests address to your supplier, distributor or fill the contact form in our website, at Support / Technical Request.

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