eCA120HZDN

COMPACT AMPLIFIERS

Dante™ 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™ 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™ 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™ 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™ digital audio receiver
- Priority messages management
- Education, Retail Centers, Museums, Etc.

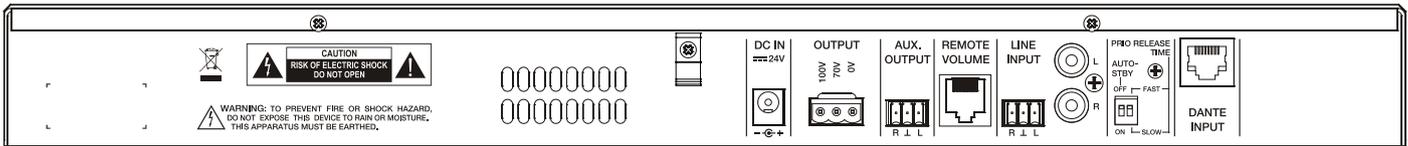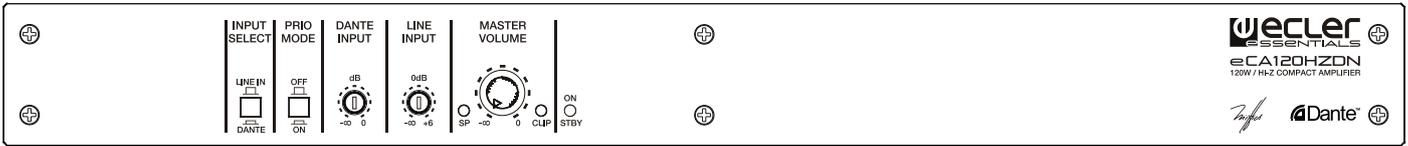## ACCESSORIES AND COMPATIBLE PRODUCTS

- 1UHRMKIT (Rack-mount Kit)

1UHRMKIT

- WPm Series (Wall panel control)

WPmVOL

MECHANICAL DIAGRAMS

TECHNICAL DATA

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™ input	
Volume adjust	-∞ to 0dBV
Resolution	24 bits
Dynamic range	100dB
Dante™ audio interface	
Dante 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™ INPUT Released: Line INPUT
Priority mode button	Pressed: Mode ON Released: Mode OFF
Supply	
DC supply	24V
Mains (using supplied DC adapter)	90-264VAC 50-60Hz
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.