

WP22DN

DIGITAL CONTROLS & PANELS

DANTE™/AES67 digital audio wall panel interface



PRODUCT OVERVIEW

WP22DN is a wall panel interface with DANTE™/AES67 digital audio transport protocols compatibility. It features 2 audio MIC/LINE Combo connector inputs in its frontal panel and 2 DANTE™/AES67 conversion channels either directly or by the sum of the analogue inputs channels (stereo to mono conversion). Also, it features 2 analogue outputs with duplicated connectors in XLR format for the front panel and Euroblock on the rear panel, both linked to 2 DANTE™/AES67 channels coming from the local network. It supports PoE supply or local power supply (optional).

KEY FEATURES

- DANTE™/AES67 compatible audio interface wall panel
- 2 balanced analog inputs, MIC/LINE level (4 gain taps selector), with Combo connector
- Conversion of 2 analog channels to 2 DANTE™/AES67 channels, directly taking the 2 input channels or combining them (IN1 + IN2 mix)
- 2 balanced analogue outputs, with XLR connector on the front panel and Euroblock connector on the rear panel. The outputs come from the conversion of the 2 DANTE™/AES67 channels received in the unit
- Ethernet communication interface, RJ45 connector
- PoE power or local power supply (optional)
- Phantom Power available for the analogue inputs, 48VDC, 5 mA max.
- Double gang size, compatible with Ecler double gang surface mount installation box (WPa2SMBBOX, supplied by default with each unit) and with Ecler double gang flush mount installation box (WPa2FMBOX, optional)
- Double set of front panel plates: one with access to the inputs' gain selector, and the other one with this access unreachable

APPLICATIONS

- Commercial
- Hospitality
- Education
- Corporate
- Sports and wellness

ACCESSORIES AND COMPATIBLE DEVICES

- MIMO4040DN
- DN44BOB
- eCA120DN
- eCA120HZDN
- WPa2FMBOX



WPa2FMBOX

TECHNICAL SPECIFICATIONS

WP22DN

Analogue inputs

Input channels	2 x analog, balanced
Connectors	2 x XLR F + jack Combo
Max Input Level	+10dBV / +12dBu @ 0dB Gain
Gain settings	0 / 10 / 20 / 35dB
Input Impedance	Balanced > 4k Ω
CMRR 20Hz- 20kHz	65dB typ.
THD+Noise @ 1kHz, 0dBV Gain	<0.004%
Phantom power	+48VDC, 5mA max. ON / OFF by DIP SWITCH

Analogue outputs

Output channels	2 analog, balanced, line level
Connectors	2 XLR M External, 2 Euroblock Internal
Max Output Level	+10dBV / +12dBu @ 0dB Gain
Frequency response (-3dB)	5Hz to 24kHz
Flatness	better than ± 0.1 dB
THD+Noise @ 1kHz	<0.004%
Output Noise floor FFT (20Hz - 20kHz)	better than 110dB

AD/DA converters

Resolution	24bit AKM	48kHz
Dynamic Range	ADC	110dB
	DAC	115dB
Latency (fs = 48 kHz)	ADC	0,81ms
	DAC	0,56ms

DANTE™/AES67 / AES67 audio interface

DANTE™/AES67 / AES67 Network Tx / Rx channels	2 / 2 (2/2 flows)
Latency	1 / 2 / 5 ms (selectable)
Connector	1 x RJ45
Cable length between devices	100m CAT5e/CAT6

DC supply

Poe Power supply	PoE: class 0 802.3af Poe PD compliant
External Power supply	12 - 24VDC
Power consumption	from PoE 60mA / 2.8W, from Ext power 2.7W

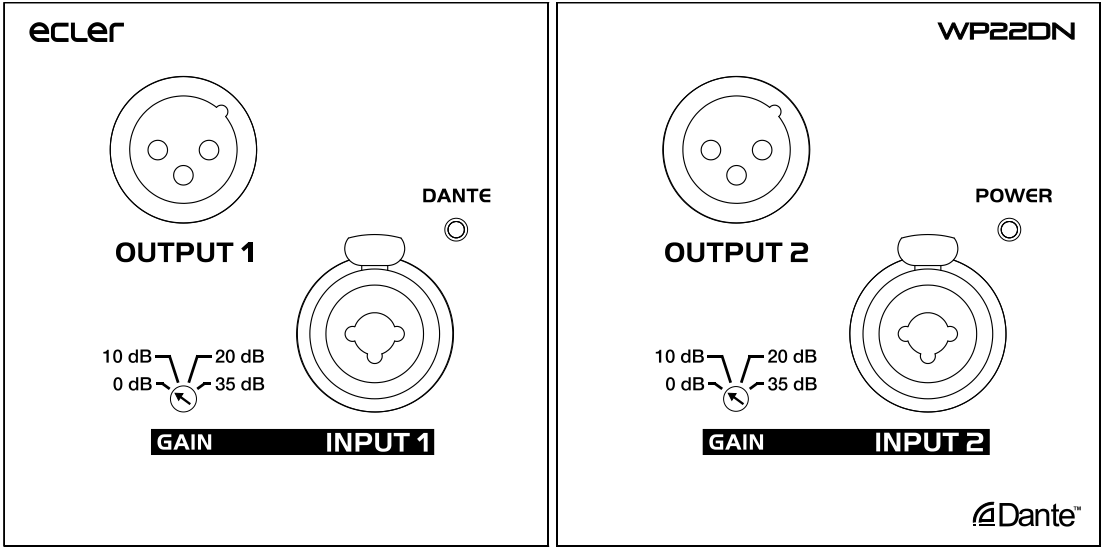
Accessories included

Mounting systems	Surface mount installation box WPa2SMBOX
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Mechanical

Finished colour	White (RAL 9016)
Dimensions	170x85x40mm / 6.7" x 3.3" x 1.6"
Weight	0,4 kg. / 0.9 lb.

MECHANICAL DIAGRAMS





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 queries contact your supplier, distributor or complete the contact form on our website, in [Support / Technical requests](#).

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