WP22DN

DIGITAL CONTROLS & PANELS
Dante™ digital audio wall panel interface

PRODUCT OVERVIEW

WP22DN is a wall panel interface with Dante™ and AES67 digital audio transport protocols compatibility. It features 2 audio MIC/LINE Combo connector inputs in its frontal panel and 2 Dante™ 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™ channels coming from the local network. It supports PoE supply or local power supply (optional).

KEY FEATURES

• Dante™ and 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™ 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™ 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 (WPa2SMBOX, 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
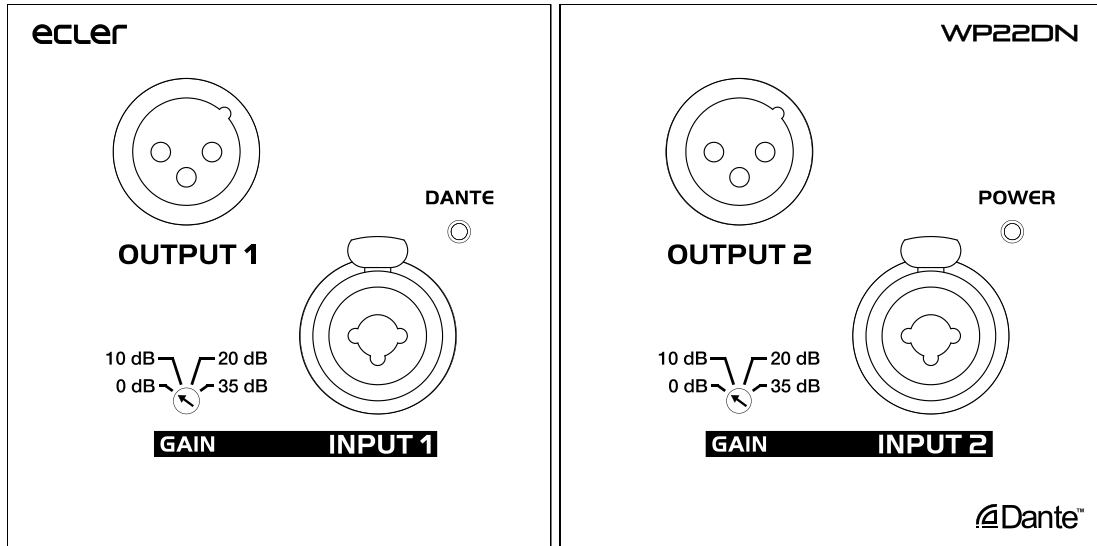• eCA120DN
• eCA120HZDN
• WPa2FMBOX

WPa2FMBOX

TECHNICAL SPECIFICATIONS

WP22DN

Analogue inputs

Input channels	2 x analog, balanced
Connectors	2 x XLRF + jack Combo
Max Input Level	+10dBV / +12dBu @ 0dB Gain
Gain settings	0 / 10 / 20 / 35dB
Input Impedance	Balanced > 4kΩ
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 ±0.1dB
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 audio interface

Dante™ / AES67 Network Tx / Rx channels	2 / 2
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

Mechanical

Dimensions	170x85x40mm / 6.7" x 3.3" x 1.6"
Weight	0,4 kg. / 0.9 lb.

MECHANICAL DIAGRAMS