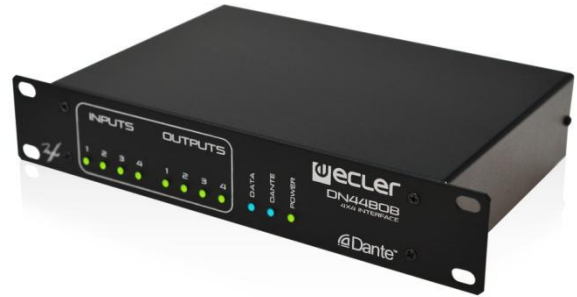


DN44BOB

DIGITAL MATRIXES

DANTE™ Digital Audio Interface



PRODUCT OVERVIEW

ECLER DN44BOB is a 4 inputs and 4 outputs DANTE™ (Audio Over IP) Break Out Box. It allows to convert 4 analogue audio signals into 4 DANTE™ channels and send them into an Ethernet LAN, as well as to take 4 DANTE channels from the Ethernet network and convert them to analogue audio signals. It includes 4 GPI control ports (0-10VDC) and 4 GPO control ports (NO/NC relays). It can be used together with EclerNet DANTE™ ready products or as a stand-alone DANTE™ interface, together with any audio device including analogue audio inputs and/or outputs.

KEY FEATURES

- Ethernet, interface, DANTE™ audio and EclerNet compatible
- 4 MIC/LINE balanced inputs, with Phantom Power and 3 sensitivity levels, Euroblock connector
- 4 balanced LINE Outputs, Euroblock connector
- 4 GPI ports (0-10VDC)
- 4 GPO ports, NO / NC

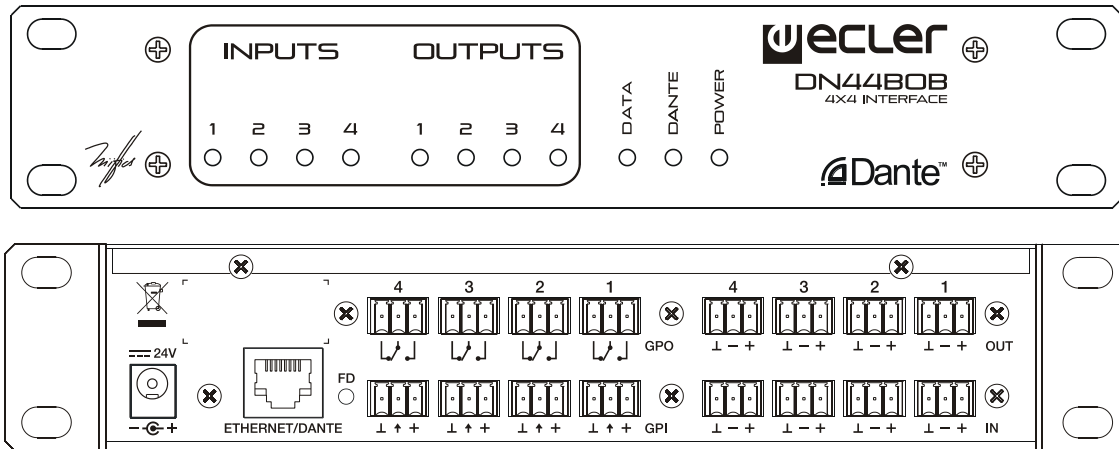
APPLICATIONS

- Audio Over IP transmission, using standard Ethernet networks
- Integration in EclerNet audio installations
- Analogue audio devices conversion into DANTE Digital Audio transmission
- Installations requiring remote total control
- Installations requiring remote supervision, diagnostic and adjustment via Internet

CERTIFICATIONS

- EN60065:2014
- EN55103-1:2009
- EN55103-2:2009
- 2006/95/EC
- 2004/108/CE

MECHANICAL DIAGRAMS



TECHNICAL DATA

DSP	
DSP	32bit
Sampling Rate	44.1/ 48 / 88.2 / 96 kHz
Latency (fs = 48kHz)	1ms
AD/DA Converters	
Resolution	24bit AKM
Dynamic Range	AD:110dB; DA: 115dB
Latency (fs = 48kHz)	AD 0,81ms; DA: 0,56
Analog Input/Output	
4 Input/Output	Phoenix connector (Symmetrical)
Analog Input headroom	+27dBV = +30dBu
Max. output level	+18dBV = +21dBu
Input sensitivity @ 0dBV out	From -50dBV to +10dBV in 0.5dB step
Input Impedance	Balanced, >4kΩ
Phantom power	+18VDC, 5mA max. software switched
Frequency response (-3dB)	5Hz to 24kHz
Flatness	better than ±0.1dB
THD+Noise @ 1kHz, 0dBV input (line)	<0.004%
THD+Noise @ 1kHz, -40dBV input (mic.)	<0.008%
Output Noise floor FFT (20Hz - 20kHz)	better than 115dB
Interchannel crosstalk (20Hz - 20kHz)	better than 90dB (100dB typ.)
Channel Leakage (20Hz - 20kHz)	better than 100dB (115dB typ.)
CMRR 20Hz- 20kHz	65dB typ.
DANTE™ Audio Interface	
DANTE™ Network Inputs/Outputs	4 / 4
Latency	1 / 2 / 5ms (selectable)
Connector	1 x RJ45
Cable length between devices	100m CAT5 or CAT5e/CAT6
Processing	
Input Level (x4)	Range: from Off to 0 dB
	Mute: Yes
	Signal Polarity reverse: Yes
	Metering: VU+clip pre & post fader
Output Level (x4)	Range: from Off to 0 dB
	Mute: Yes
	Solo: Yes
	Signal Polarity reverse: Yes
Output Gain (x4)	Metering: VU+clip pre & post fader
	Range: from 0 to +6dB
Built in Signal Generator	Sine: from 20Hz to 20kHz
	Polarity: from 20Hz to 20kHz
	White noise
Output Limiter (x8)	Pink noise
	Bypass On-Off

Mechanical	
Dimensions (WxHxD)	241x44x152mm
Weight	1.1kg
Supply	
DC supply	24 VDC
Mains (Using supplied DC adapter)	90-264VCA 50-60Hz
Power consumption	6.5 W
Miscellaneous	
Management Connectivity	Ethernet Base-Tx 10/100Mb; Auto X-Over CAT5 up to 100m.
GPI	4, from 0 to 10VDC or TTL level
GPO	4, 3 poles isolated relay; 1A, 48 VDC max
SOFTWARE	
EclerNet Manager	From v3.05r2 version
Operating System	Windows® 10; W8.1; W8; W7; Vista (SP1); XP Prof. (SP3); W2000 Prof. (SP4)
Minimum EclerNet System Requirements	Pentium IV® 1GHz
	512MB RAM
	40MB HDD free space
	800x600 pixels & 16bits color display
	10/100/1G Ethernet Network card