

INNOVATIVE SOLUTIONS



NA2-IO-DPRO

Mic, Line, AES/EBU I/O to Dante® Interface



NEUTRIK®

INNOVATIVE SOLUTIONS

RUGGED HOUSING

2 x etherCON
PRIMARY/SECONDARY DANTE®

RACK MOUNTABLE



MIC, LINE, AES
INPUT

LINE, AES
OUTPUT

NA2-IO-DPRO

Mic, Line, AES/EBU I/O to Dante® Interface

Connect even more legacy audio equipment to your Dante® network

- Connect analog audio equipment to a Dante® network
- Heavy duty adapter for rugged stage conditions
- Lockable audio and network connections
- Connect up to two analog line or mic signals to a Dante® network
- Connect AES/EBU signals to a Dante® network and provide an AES/EBU signal from the Dante® network
- Switched mode to daisy chain devices
- Feed non Dante® ready amplifiers, speakers or mixing desks with signals from the Dante® network
- Primary and Secondary Dante® ports
- Audio parameter control via DPRO controller software
- Different mounting options (rack, floorbox, table mounting)
- AES67 compliant
- Requires a Power over Ethernet switch or a PoE injector (802.3 af/at – class 2 or no classification at 6 W)

WHAT IS IT?

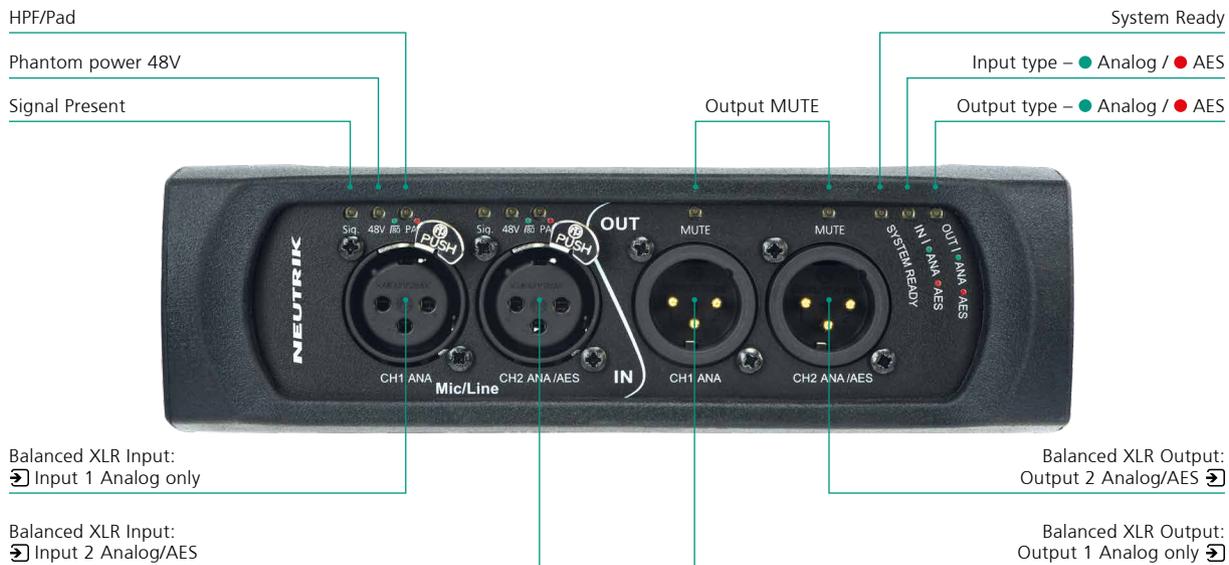
The NA2-IO-DPRO is a 2IN, 2OUT breakout box designed to connect legacy audio equipment with the Dante® network. It features high-quality microphone preamps and 2 Dante® ports for either redundant setup or daisy chaining. Audio parameters are adjusted by the DPRO Controller app.

All connectors are lockable and, together with the removable rubber protection, offer a reliable solution for tough stage conditions. With optional mounting brackets or a rack panel, the box can be mounted below tables, in floor boxes, racks or on a truss.



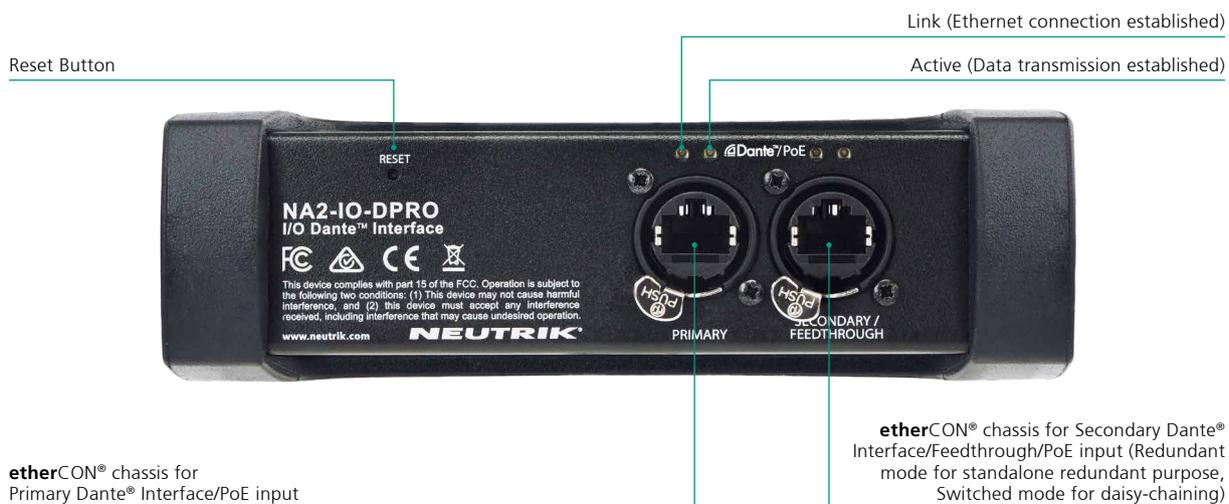
FUNCTIONALITY AND FLEXIBILITY

OVERVIEW FRONT



If AES is used, CH1 becomes inactive

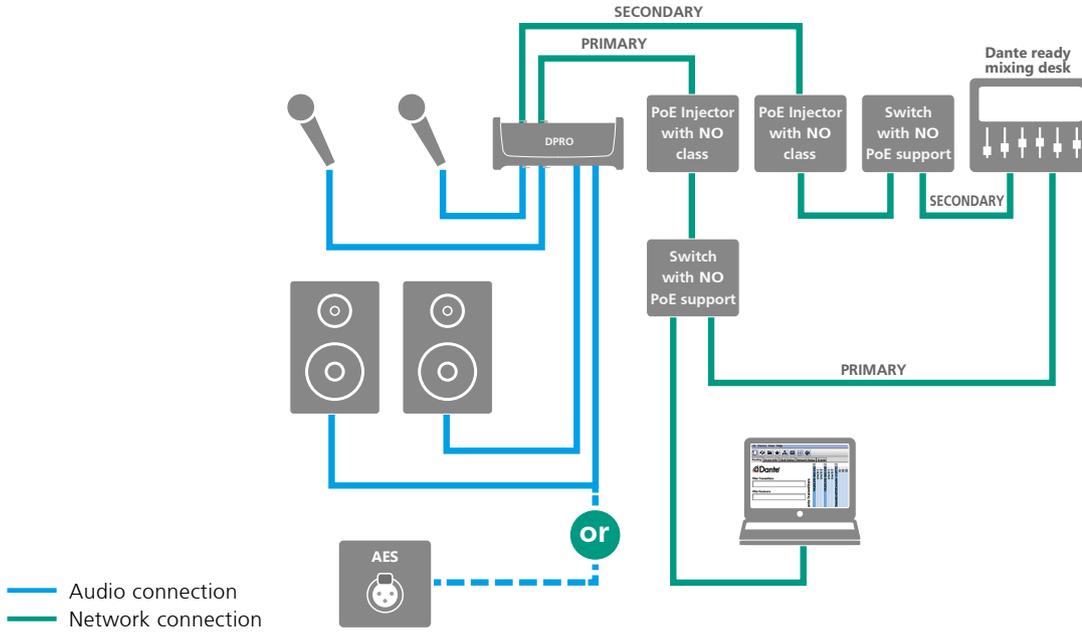
OVERVIEW REAR



IMPORTANT

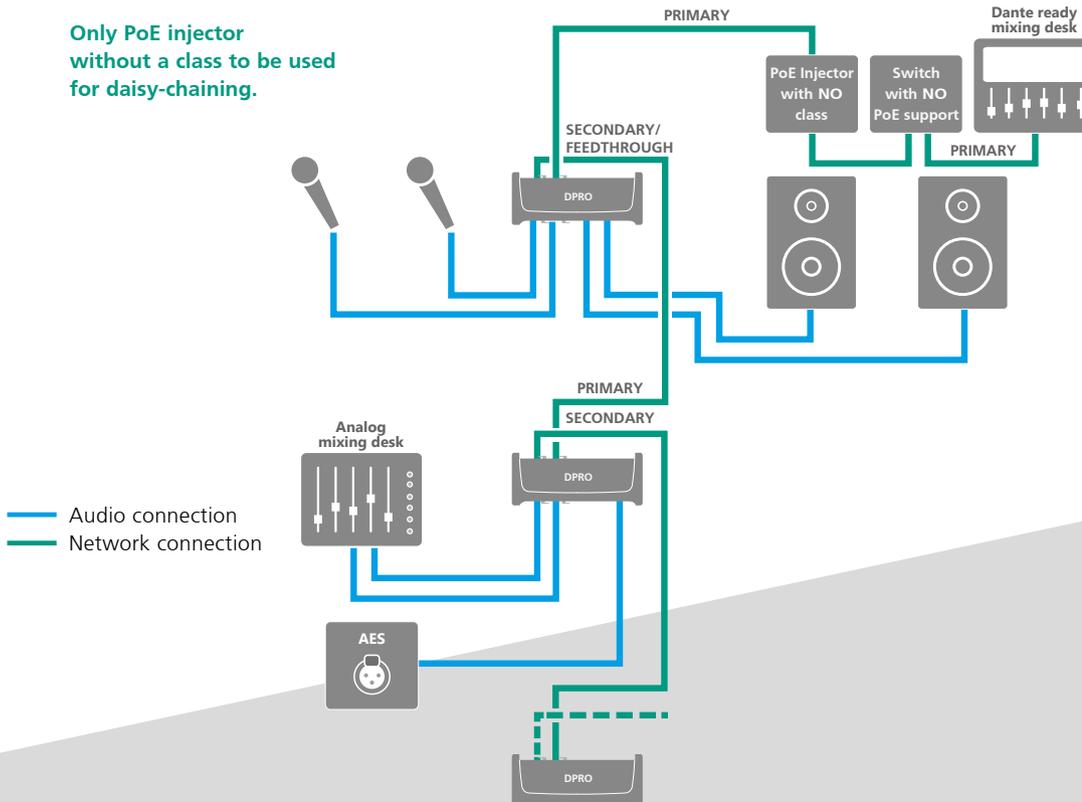
- Requires a Power over Ethernet switch or a PoE injector (802.3 af/at – class 2 or no classification at 6W)
- Please refer to the manual for redundant power setups

REDUNDANT MODE



SWITCHED MODE

Only PoE injector without a class to be used for daisy-chaining.



HOW TO SET IT UP?

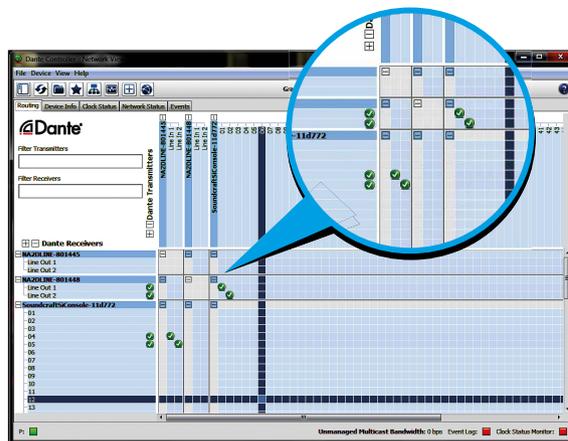
1 Connect the audio lines as required (e.g. audio source to the MIC IN channels; AES/EBU to AES/EBU channels and audio destination to the LINE OUT; AES/EBU channels)

2 Next, enable the Dante and power connection via the etherCON® chassis connector. Connect the NA2-IO-DPRO to an Ethernet switch which supports PoE. If PoE is not supported by the switch in use, deploy an external midspan PoE power injector. For Daisy-Chaining (Switched mode) use only a PoE injector with no classification.

3 Configure the audio routing in Dante® controller. This is software provided by Audinate, free of charge.

4 Finally, adjust your audio parameters, Phantom power, PAD, and high-pass filtering in the DPRO Controller software, available for PC and Mac on the Neutrik website, free of charge. You can also save and recall presets in this software.

DPRO Controller by Neutrik (www.neutrik.com/en/support/downloads)



For Dante related questions, refer to the Audinate web site: www.audinate.com.

The Audinate web site features a wealth of manuals, teaching material, FAQs and videos.

APP REQUIREMENTS

- RAM min 2 GB
- Display resolution > 1280 x 1024 pixel
- Windows 7 or later
- MAC OS 10.12 or higher

TECHNICAL DATA

GENERAL SPECIFICATIONS

Channel	2 INPUT (Line, Mic, AES/EBU)	Bit depth	16, 24 and 32 bit
	2 OUTPUT (Line Level, AES/EBU)	Latency	based on user selection; min. 0,25 ms (Dante®)
Supported sampling rates	44.1 / 48 / 88.2 / 96 kHz	Ethernet connection	1.000 BASE-T (supporting PoE)

ELECTRICAL DATA

Power consumption	< 6 Watt	Power supply	PoE (Power over Ethernet) switch or PoE midspan power injector (according to IEEE 802.3af/at, class 2 or no classification at 6W)
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Analog Input:

Equivalent Input Noise:	-128 dBu (67 dB Gain); A-Weighted	THD+N:	< 0.005% (20 Hz to 20 kHz, +4 dBu)
Gain Hub (3dB Steps):	0 - 67 dB	Dynamic Range:	>112 dB, BW 22.4 kHz, A-Weighted (Input Gain = min.)
Max. Input Level:	+ 24 dBu (PAD enabled) + 8 dBu (PAD disabled)	SNR:	> 112 dB, BW 22.4 kHz, A-Weighted
Input Impedance:	> 7.5 kΩ balanced	Crosstalk:	- 100 dB, adjacent INPUT / OUTPUT channels (Input Gain = min.)
Frequency Response:	20 Hz to 20 kHz (± 0.5 dB)		

Analog Output:

Max. Output Level:	+ 24 dBu	THD+N:	< 0.005% (20 Hz to 20 kHz, +4 dBu)
Output Impedance:	< 150 Ω balanced	Dynamic Range:	> 112 dB, BW 22.4 kHz, A-Weighted
Residual output noise:	- 88 dBu, A-Weighted	SNR:	> 112 dB, BW 22.4 kHz, A-Weighted
Frequency Response:	20 Hz to 20 kHz (± 0.5 dB)	Crosstalk:	- 100 dB, adjacent INPUT / OUTPUT channels, Input Gain = Min.

MECHANICAL

Weight:	0,53 kg / 1.17 lbs		
Dimensions	l: 164 mm / 6.4 inches	Dimensions	l: 151 mm / 5.9 inches
with rubber protection:	w: 82 mm / 3.2 inches	without rubber protection:	w: 66 mm / 2.6 inches
	h: 51 mm / 2.0 inches		h: 41 mm / 1.6 inches

ACCESSORIES

NRP1RU-2A:

1 RU 19" Rack unit for NA2-IO-*



NA-MB-KIT:

Mounting bracket kit for NA2-IO-*



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