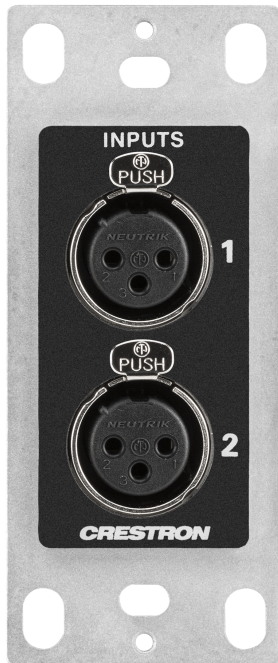


DM-NAX-2XLRI-1G

DM NAX® Audio-over-IP Wall Plate with XLR, Black, 1-Gang



- Two XLR input connectors
- Two rear-panel line-level audio outputs
- Single-gang U.S. wall box installation
- Power over Ethernet (PoE) network powered
- Mountable in a standard US electrical box or on a rack rail via included hardware
- Connects directly to a managed network to route to or from other DM NAX® and DM NVX® devices
- Interoperable with Dante® audio networking devices via AES67 compatibility
- Streamlined configuration through a web interface
- Seamless Crestron system integration with SIMPL Windows programming

The [DM-NAX-2XLRI-1G](#) provides a single-gang wall mount for (2) XLR inputs. The rear of the wall plate features an Ethernet connection for power and DM NAX audio-over-IP (AOIP) networking. The rear panel also features a five-pin line-level audio output for transmitting an audio signal to a Crestron media wall plate ([MP-WP-2XLRO-1G](#) and [MP-WP-2RCAO-1G](#)).

DM NAX is built on the AES67 standards with additional ease of configuration via a web interface, SIMPL Windows, C#, and/or a RESTful API. It is compatible with DM NVX through

the AES67 secondary audio stream and also with third-party AES67 solutions and Dante via the compatibility mode enabled through Dante Controller. Full DSP capabilities are available on the line outputs.

Audio-over-IP

DM NAX takes audio distribution to a whole new level by putting it on the network. The DM-NAX-2XLRI-1G sends and receives DM NAX and AES67 encoded audio over a standard IP network. A single DM NAX system can handle audio distribution between 32 DM NAX devices and supports up to 256 audio output zones. DM NAX devices can seamlessly pull and distribute the audio from DM NVX sources.

Line Level and Microphone Level Support

The front panel XLR connectors of the DM-NAX-2XLRI-1G can be configured for either line level or microphone level input. Each XLR input can be configured to send a +48V phantom power signal to power a connected condenser microphone.

Digital Signal Processing (DSP)

DSP capabilities such as a 5-band EQ per XLR input and level control of all input and output signal types are available to configure via the web user interface.

Encoder and Decoder Functionality

The DM-NAX-2XLRI-1G can operate as a network AV encoder and decoder. The local input sources on one amplifier can be sent as AoIP streams to DM NAX, Dante, or AES67 capable devices. Simultaneously, the DM-NAX-2XLRI-1G can receive AoIP streams from these same devices and decode them for local output.

Specifications

Audio

Input Signal Types	Balanced/unbalanced analog line/mic-level; DM NAX/AES67 audio-over-IP
Output Signal Types	Balanced/unbalanced analog line-level; DM NAX/AES67 audio-over-IP
Source Compensation	±10.0 dB per input
Input Monitoring	Source Signal Detect
Frequency Response (at line-level output)	From mic-level input: 20 Hz to 20 kHz ±1.0 dB; From line-level input: 20 Hz to 20 kHz +0.1/-1.0 dB

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THD+N (at line-level output)	From mic-level input: 0.3% @ 1 kHz, max output From line-level input: 0.005% @ 1 kHz, max output
S/N Ratio (at line-level output)	From analog input: 105 dB, 20 Hz to 20 kHz, A-weighted; From digital input: 111 dB, 20 Hz to 20 kHz, A-weighted
Balance Control	Left/right adjustable
EQ Filter Types	EQ, High Pass, Low Pass, Treble Shelf, Bass Shelf, Notch
EQ Center Frequency	10 Hz to 20 kHz per band
EQ Gain	+20/-40 dB per band
EQ Bandwidth	0.1 to 4.0 octaves per band

Connectors

INPUTS 1-2	(2) Balanced XLR input ports Line or microphone-level audio inputs; Mic-level maximum gain: 60 dB Mic-level maximum signal level: 2Vrms; Mic-level channel separation: 70 dB @ 60 dB gain @ 1 kHz; Line-level maximum signal level: +21 dBu (8.7Vrms) Impedance: >10 kΩ; +48V phantom power is available when used as mic-level inputs
OUTPUT L-R	(1) 5-pin 3.5 mm screw terminal block; Balanced line-level audio output; Pins 1-2: Left channel output; Pin 3: Shared ground; Pins 4-5: Right channel output; Maximum signal level: +14.7 dBu (4.2Vrms) Impedance: 200 Ω; Channel separation: 100 dB @ 1 kHz
G	(1) 6-32 screw; Chassis ground lug
ETHERNET PoE	(1) 8-pin RJ-45 connector, female; 100BASE-TX/1000BASE-T Ethernet port

Controls and Indicators

ETHERNET PoE	Left amber LED indicates 1000 Mb link status; Left green LED indicates 100 Mb link status; Flashing right amber LED indicates Ethernet activity
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SETUP	(1) Push button: Used for factory reset procedures; (1) LED, illuminates red when the button is pressed, flashes red when reset has been initiated
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Power

PoE	IEEE 802.3af Class 0 (12.95 W) compliant; Compatible with IEEE 802.3af compliant Ethernet switch or third-party PoE compliant PSE
Power Consumption	2.9 W

Environmental

Temperature	32° to 95° F (0° to 35° C)
Humidity	10% to 95% RH (noncondensing)
Heat Dissipation	9.9 BTU/hr

Construction

Chassis	Metal, black and silver finish, vented sides
Mounting	Mountable on the following: 1-gang U.S. electrical box or plaster ring (not included), 3.5 in. (26 mm) electrical box depth recommended; Rack rail

Dimensions

Height	4.12 in. (105 mm)
Width	1.72 in. (44 mm)
Depth	2.14 in. (55 mm)

Weight

6 oz. (170 g)

Compliance

Regulatory Model: M202050006
IC, FCC Part 15 Class B digital device

Model

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Available Accessories

For a list of available accessories, visit the [DM-NAX-2XLRI-1G](#) product page.

This product may be purchased from select authorized Crestron dealers and distributors. To find a dealer or distributor, please contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com/How-To-Buy/Find-a-Representative or by calling 855-263-8754.

This product is covered under the Crestron standard limited warranty. Refer to www.crestron.com/warranty for full details.

The specific patents that cover Crestron products are listed online at patents.crestron.com.

Certain Crestron products contain open source software. For specific information, please visit www.crestron.com/opensource.

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