

Model SF-XMN4 Microphone to Network Interface

- Dante Network Interface for Four Audio Mic Inputs
- Each XLR Input Provides Switch-Selectable Mic Gain: 40 dB, 48 dB or 62 dB
- 48 V Mic Phantom (P48) on each input
- Four XLR Front-Panel Inputs
- Converts Four Standard XLR Mic Sources to Dante Network Channels
- Special Software Not Required for Module Setup
- High Resolution 24 Bit Analog to Digital Conversion
- LED Indicator for Valid Power and Network Sync
- Operation from PoE Power (Class 0, IEEE 802.3af)
- Equipped for SysFlex® Rack Mounting or Surface Mounting



The SysFlex series is a family of A/V modules providing complex interface solutions at the click of a connector. SysFlex modules provide connectorized interface between data networks and analog and digital audio devices, networked and conventional amplifiers and other application-specific solutions. In RDL's tradition of versatility, SysFlex modules can be used right where they are needed: Rack-mounted, Surface-mounted, or unmounted. They are light-weight, compact and easy to install with simple, straightforward switch settings and LED indicators. Modules quickly snap into the SysFlex rack mount and each is firmly secured with a single screw. The racking system segregates network and power wiring from the audio and digital audio connectors. For connectorized network audio endpoints and A/V system components that provide unparalleled performance and advanced features without giving up simplicity and ease of installation, SysFlex is the industry's best value.


APPLICATION: The SF-XMN4 is an interface that converts four XLR microphone inputs to Dante network audio channels. Special software is not required to configure the SF-XMN4. Each XLR input is equipped with a switch to set the gain for dynamic or condenser microphones. A dual-LED VU meter displays the level for each input to facilitate selection of the ideal gain range. The SF-XMN4 is a professional grade product with discrete mic preamplifiers for studio quality fidelity and low noise performance.

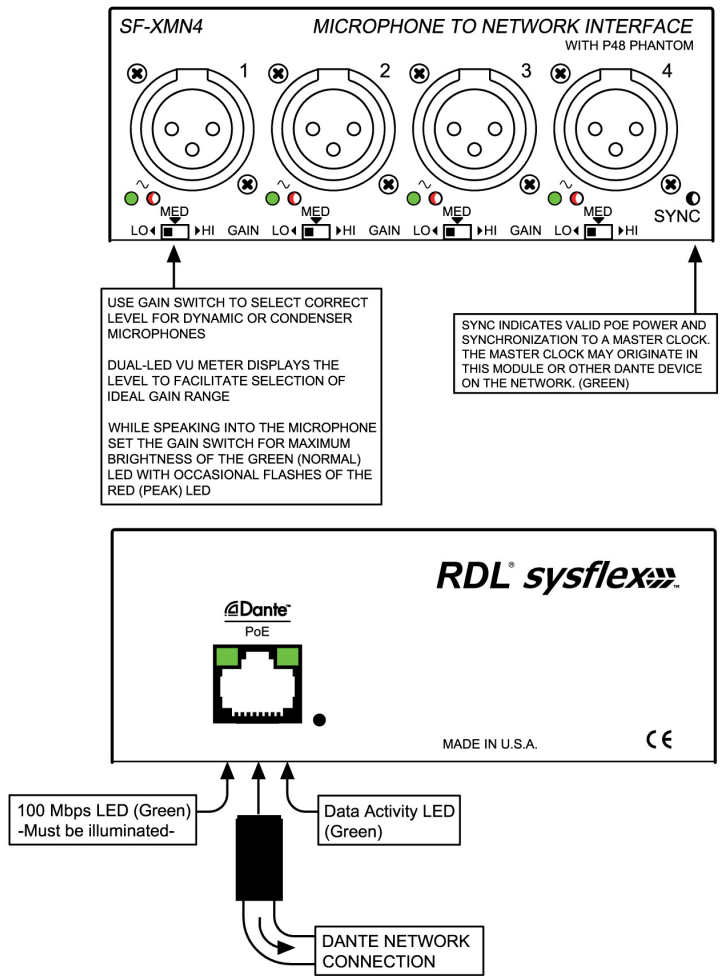
The SF-XMN4 is PoE powered. Valid PoE power and synchronization to the Dante network is indicated by a green LED visible from the front of the unit.

The SF-XMN4 is constructed in a durable, professional all-metal enclosure suitable for free-standing, surface-mounted or rack-mounted operation. This full-featured SYSFLEX product is engineered and manufactured in the U.S.A for continuous duty in demanding installations. The versatility of SYSFLEX products adds enormous flexibility in the design and installation of professional A/V systems.

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Installation/Operation

 Declaration of Conformity available from rdlnet.com.
Sole EMC specifications provided on product package.
Specifications are subject to change without notice.



TYPICAL PERFORMANCE

Network Connector:	RJ45 with Link and Speed indicators	THD+N:	< 0.1% (20 Hz to 20 kHz, +4 dBu/-20 dBFS);
Digital Audio Ethernet Protocol:	Dante	CMRR:	0.015% at 1 kHz (typ)
Transmission Rate:	100 Mbps	Crosstalk:	> 65 dB (50 Hz to 120 Hz)
Sample Rates Supported:	44.1 kHz, 48 kHz (default), 88.2 kHz, 96 kHz	Indicators (11):	Below Noise Floor (20 Hz to 20 kHz at operating level, any input to any input, max. mic gain)
Bit Depth Supported:	24 bits	Ambient Operating Environment:	Ethernet Link and Speed (2, rear panel);
Audio Operating Level:	-20 dBFS = +4 dBu	Power Requirement:	Sync (front panel);
Reference Level:	0 dBFS = +24 dBu	Specification Conditions:	dual-LED VU meter (8 LED, front panel)
Inputs (4):	XLR (female)	Dimensions:	0° C to 50° C
Gain:	Mic: 40 dB (LO), 48 dB (MED), 62 dB (HI); front-panel selectable	Package Type:	PoE Class 0, IEEE 802.3af
Input Level (for +4 dBu/-20 dBFS):	Mic: -36 dBu (LO), -44 dBu (MED), -58 dBu (HI)	Package Dimensions:	Gain/Level: ± 1 dB; Source termination: 150 Ω;
Input Level (maximum):	Mic: -16 dBu (LO), -24 dBu (MED), -38 dBu (HI)	Shipping Weight:	A to D values measured in digital domain
Input Impedance:	> 2.5 kΩ	WEEE weight:	4.23" (10.74 cm) W; 1.68" (4.27 cm) H;
Phantom Power:	P48, 48 Vdc	Tariff code:	5.77" (14.66 cm) D
Standard for Phantom:	IEC 61938: 2013		Cardboard Box
Frequency Response:	20 Hz to 20 kHz (± 0.5 dB)		7 x 4.375 x 2.25 in.
Equivalent Input Noise:	-130 dBu (62 dB gain); -132 dBu A-Weighted		1.445 lbs.
Noise below -20 dBFS (20 to 20 kHz):	Mic: < -72 dB (LO), < -72 dB (MED), < -68 dB (HI)		1.23 lbs.
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Radio Design Labs Technical Support Centers

U.S.A. (800) 933-1780, (928) 778-3554; Fax: (928) 778-3506
Europe [NH Amsterdam] (+31) 20-6238 983; Fax: (+31) 20-6225-287