

Model SF-NL2 Network to Audio Interface

- Converts Two Dante Network Audio Signals to Balanced Analog
- Selectable Dante Sample Rates: 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz
- Each Output Switch-Selectable for Mic or Line Level
- Normal (-20 dBFS) Line-Level Output is +4 dBu with 20 dB Headroom
- Microphone Output Level is Attenuated 50 dB
- Each Output is Protected Against Phantom Voltage up to 48 Vdc
- Special Software Not Required for Module Setup
- Exceptional Low-Noise and Low-Distortion Performance
- High Resolution 24 Bit Digital to Analog Conversion
- Legendary RDL Analog Filtering Enhances Superb Audio Performance
- 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-NL2 is a line-level interface that converts two Dante network audio channels to two balanced audio outputs on XLR connectors. Each output provides +4 dBu balanced for a network digital audio level of -20 dBFS. Special software is not required to configure the module. The SF-NL2 is a professional grade product for studio quality fidelity and low noise performance.

The SF-NL2 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.

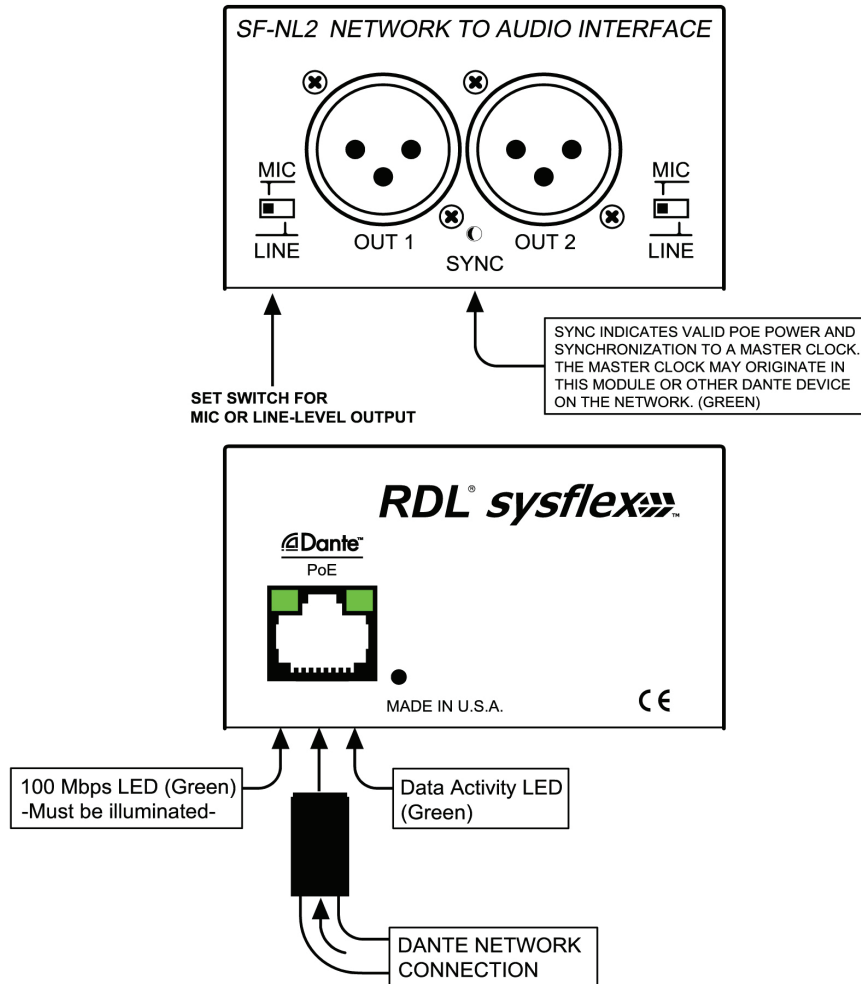
The SF-NL2 is constructed in a durable, professional all-metal enclosure suitable for free-standing, surface-mounted or rack-mounted operation. This full-featured SYSFLEX product is engineered and manufactured in the U.S.A for continuous duty in demanding installations. The versatility of SYSFLEX products adds enormous flexibility in the design and installation of professional A/V systems.

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Installation/Operation



EN55032; EN55024; EN55103-2 E1-E4
Typical Performance reflects product at publication time exclusive of EMC data, if any, supplied with product. Specifications are subject to change without notice.



TYPICAL PERFORMANCE

Network Connector:	RJ45 with Link and Speed indicators	Noise:	< -75 dB (below +4 dBu); < -95 (below +24 dBu)
Digital Audio Ethernet Protocol:	Dante	Crosstalk:	Below Noise Floor (1 kHz, output to output); < -60 d5 dB (20 kHz)
Transmission Rate:	100 Mbps	Headroom above +4 dBu/-20 dBFS:	20 dB
Sample Rates Supported:	44.1 kHz, 48 kHz (default), 88.2 kHz, 96 kHz	Indicators (3):	Ethernet Link and Speed (2, rear panel); Sync (front panel)
Bit Depth Supported:	24 bits	Ambient Operating Environment:	0° C to 50° C
Audio Operating Level:	-20 dBFS = +4 dBu	Power Requirement:	PoE Class 0, IEEE 802.3af
Reference Level:	0 dBFS = +24 dBu	Specification Conditions:	Gain/Level: ± 1 dB
Outputs (2):	XLR (male)	Dimensions:	2.79" (7.09 cm) W; 1.68" (4.27 cm) H; 5.77" (14.66 cm) D
Output Level (operating):	+4 dBu nominal LINE level balanced; -45 dBu nominal MIC level (into 150 Ω)	Package Type:	Cardboard Box
Output Level (maximum):	+24 dBu LINE level	Package Dimensions:	7 x 4.375 x 2.25 in.
Output Impedance:	< 100 Ω balanced	Shipping Weight:	1.1 lbs.
Selector per output:	Mic/Line	WEEE weight:	0.885 lbs.
Frequency Response:	20 Hz to 20 kHz (± 0.5 dB)	Tariff code:	8517.18.0050
THD+N:	< 0.1% (20 Hz to 20 kHz, +4 dBu/-20 dBFS); 0.015% at 1 kHz (typ)		

Radio Design Labs Technical Support Centers