

Model SF-NH1

Network to Stereo Headphone Amplifier

- Converts Two Dante Network Audio Signals to a Stereo Headphone
- Output on Professional Quality 3.5 mm stereo MINI Jack
- Selectable Dante Sample Rates: 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz
- Front-Panel Output Level Control
- 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-NH1 is a headphone amplifier that converts two Dante network audio channels to a stereo headphone output with front-panel level adjustment. The outputs connects through a stereo 3.5 mm Mini-jack. Each channel provides 100 mW into 100 ohms for a network digital audio level of 0 dBFS. Special software is not required to configure the module. The SF-NH1 is a professional grade product for studio quality fidelity and low noise performance.

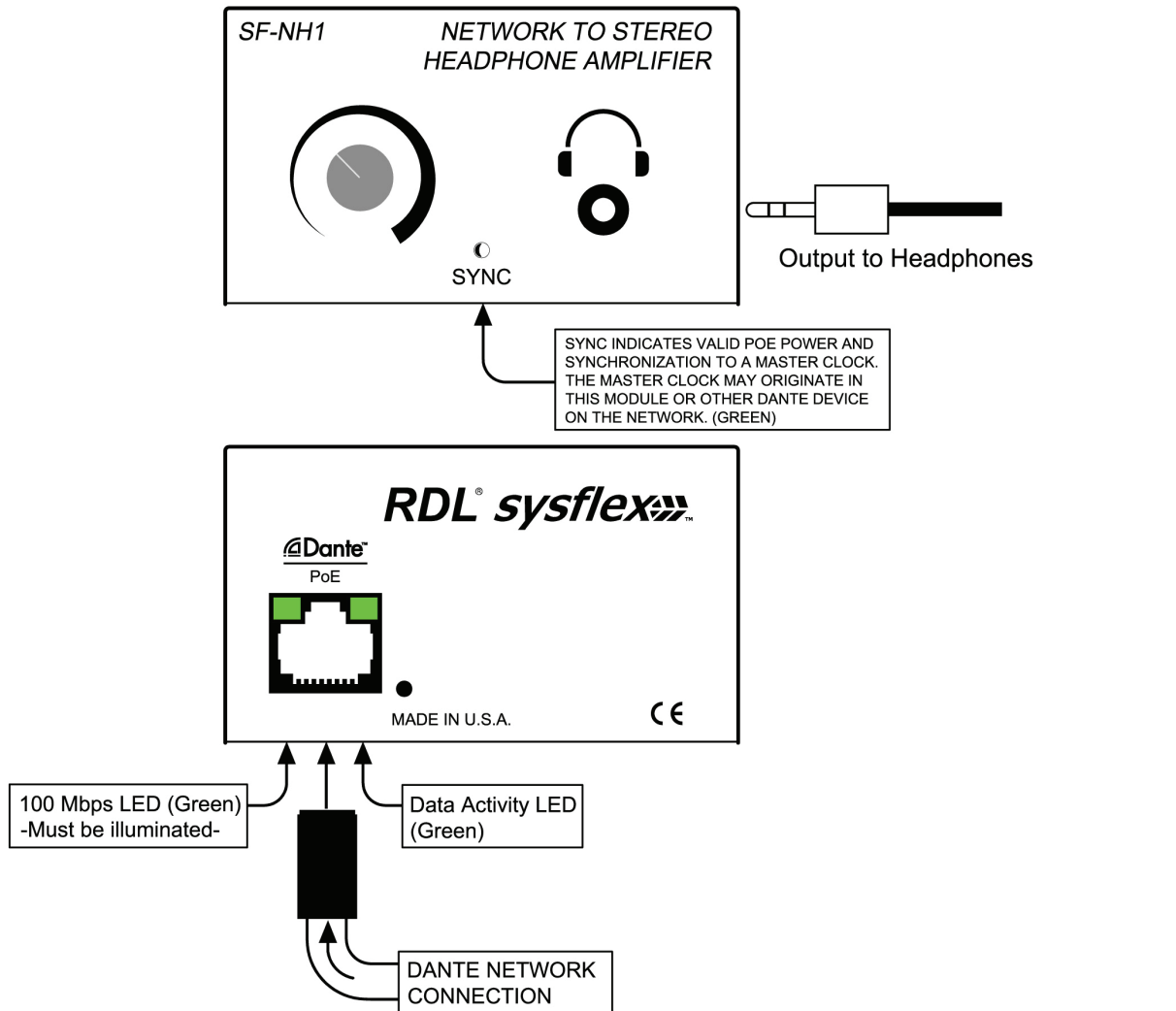
The SF-NH1 is PoE powered. Valid PoE power and synchronization to the Dante network is indicated by a green LED visible from the front of the unit.

The SF-NH1 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

CE 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	Crosstalk:	< -80 dB (1 kHz, -20 dBFS)
Digital Audio Ethernet Protocol:	Dante	Headroom above -20 dBFS:	20 dB
Transmission Rate:	100 Mbps	Indicators (3):	Ethernet Link and Speed (2, rear panel); Sync (front panel)
Sample Rates Supported:	44.1 kHz, 48 kHz (default), 88.2 kHz, 96 kHz	Ambient Operating Environment:	0° C to 50° C
Bit Depth Supported:	24 bits	Power Requirement:	PoE Class 0, IEEE 802.3af
Reference Level:	0 dBFS = 150 mW into 100 Ω	Specification Conditions:	Gain/Level: ± 1 dB
Outputs (2):	Mini-jack Stereo (L and R)	Dimensions:	2.79" (7.09 cm) W; 1.68" (4.27 cm) H; 5.77" (14.66 cm) D
Output Level (maximum):	0 dBFS = 150 mW into 100 Ω	Package Type:	Cardboard Box
Output Impedance:	< 50 Ω	Package Dimensions:	7 x 4.375 x 2.25 in.
Frequency Response:	20 Hz to 20 kHz (± 0.5 dB)	Shipping Weight:	1.09 lbs.
THD + N:	< 0.05% (20 Hz to 20 kHz, -20 dBFS); 0.015% at 1 kHz (typ)	WEEE weight:	0.88 lbs.
Noise:	< -75 dB (below -20 dBFS); < -95 (below 0 dBFS)	Tariff code:	8517.18.0050

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