REDNET HD32R

Focusrite®



32-Channel Bridge between Dante Networks and Pro Tools|HD

RedNet HD32R is a 1U, 19in rack-mount Dante interface that allows Pro Tools|HD users direct access to the full benefits of the Dante digital audio networking system, including its uniquely flexible network topology and premium quality audio interfaces. The Pro Tools system is connected to the HD32R via standard Mini DigiLink ports.

PSU and Ethernet redundancy

Dual Ethernet ports with locking etherCON connectors are provided, with several operating modes including daisy-chaining and redundancy confirmed by front-panel indicators. Two separate power supplies with fault detection capability are included, with separate power input sockets (with retaining clips) on the rear of the unit. Power state is indicated both remotely and on the front panel. The HD32R features a rugged, roadworthy exterior and high internal build quality. In addition, it offers a compact 1U rack-mount form factor for a full 32 channels of I/O.

Why Dante and RedNet for Pro Tools|HD?

Focusrite's RedNet was the first to offer IP networked audio interfaces for recording studio, education, live sound and broadcast workflows, combining superb audio interfaces with the tried and tested reliability of the Dante Ethernet-based audio networking system from Audinate. Dante has been in use in the live sound industry for years in the most exacting applications without missing a single sample.

Dante networking offers a powerful combination of features that make it ideal for any Pro Tools|HD production environment. Focusrite's superb DC-coupled mic preamplifiers and precision digital conversion ensure the very highest audio quality I/O, while Dante's

About RedNet

Launched in 2012, Focusrite's RedNet range was one of the first to adopt the Dante audio-over-IP network as the infrastructure for a new and versatile range of products.

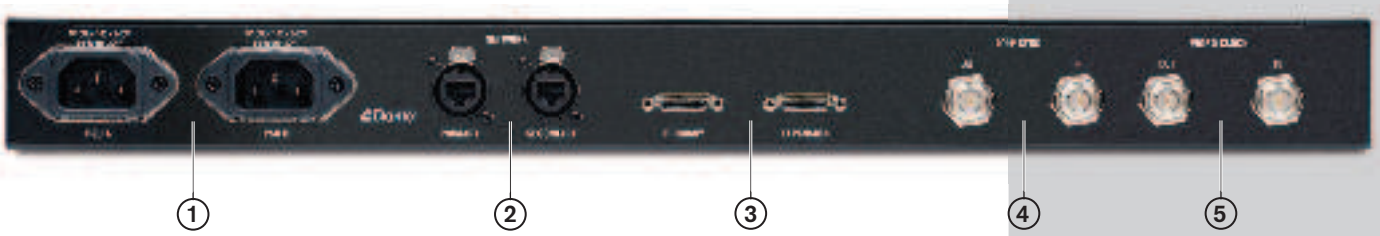
Since then, RedNet has become increasingly popular for a diverse range of audio applications, from theme parks to opera, from studio to major live events.

RedNet has become known for its quality and reliability – the latter a feature that is brought even more to the fore by the inclusion of redundancy capabilities – as well as proving exceptionally simple to operate and offering the best-sounding audio-over-IP solution available and full operability with other Dante devices.

Powered by Dante™

Key Features

- Allows Dante Ethernet-based audio networking products to interoperate fully with Pro Tools|HD & Pro Tools|HDX
- Ethernet and power supply redundancy with auto switchover in case of failure and locking connectors
- Provides the vital link to create an extensive high-quality audio network based on standard Cat 5e or Cat 6 wiring, bringing the latest advances in digital audio networking to Pro Tools|HD
- Cost-effectively increase audio I/O quality and flexibility with RedNet interfaces
- Permits multiple workstations to access the same interface hardware and I/O
- No changes to Pro Tools workflow required – simple, logical assignment of RedNet I/O to Pro Tools|HD inputs and outputs
- Up to 32 I/O with Pro Tools|HD over single DigiLink connection per RedNet HD32R
- Additional Avid/Digidesign interfaces may be connected to expansion ports
- Upgrade to RedNet interfaces while remaining fully compatible with TDM- or AAX-DSP-based plugins and saved sessions



1 – Dual AC inlets with cable clips 2 – Dual locking EtherCon Ethernet connectors 3 – Primary and secondary Mini DigiLink connectors to Pro Tools 4 – Loop Sync I/O 5 – Word Clock I/O

Ethernet-based audio networking technology makes the need for complex, bulky and expensive analogue multiway cables a thing of the past. Connected to Pro Tools|HD with RedNet HD32R, audio interfaces can be conveniently located anywhere an Ethernet port is available.

Operation

HD32R acts as a 64-channel (32 in/32 out) digital break in/out box, operating in the same way as a standard interface, and supporting a wide range of Pro Tools|HDX and HD cards. Supported Pro Tools systems include Pro Tools|HDX, Pro Tools|HD Native, Pro Tools|HD Native Thunderbolt, and Pro Tools|HD TDM. Up to six HD32R modules can be used with a Pro Tools|HDX system and three with Pro Tools|HD, allowing the maximum channel count for either. Simply connect the HD32R to Pro Tools|HD with standard Mini DigiLink connectors.

HD32R allows the use of the low latency performance of Pro Tools|HD cards in place of a RedNet PCIe card, bringing the full benefits of Dante audio-over IP networking and the RedNet product range to a Pro Tools|HD system. The entire range of Dante-compatible products including the superb RedNet analogue and digital interfaces can then be used with a Pro Tools|HD system, all connected via Ethernet cable.

From complex multi-room systems to single installations Dante and RedNet offer the ability to create a sophisticated and comprehensive high-quality audio production environment around a standard Ethernet network, with HD32R providing the bridge to any Pro Tools|HD system. Assign any available Dante source or destination via HD32R and it appears in Pro Tools exactly as it would with any other Pro Tools-compatible interface, maintaining traditional Pro Tools workflows.

Pro Tools|HD is a trademark or registered trademark of Avid Technology, Inc. or its subsidiaries in the United States and/or other countries

Related products:



MP8R – 8 Ch. Mic Pre

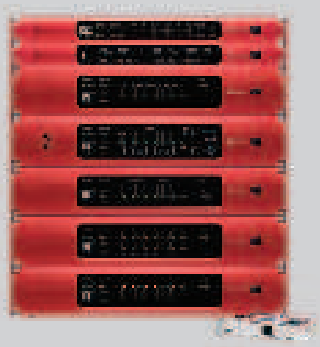


D16R – AES3 Bridge



D64 – MADI Bridge

See the rest of the range at
www.focusrite.com/rednet



Specifications

Connectors (Rear panel)

2x etherCON locking Ethernet connectors – also compatible with standard RJ45 connectors

2x BNC Word Clock In and Out

2x BNC Loop Sync I/O

Primary and Expansion Mini DigiLink connectors to/from Pro Tools|HD system

2x IEC power connector: 100–240Vac, 50/60 Hz, cord retaining clips included

Controls (front panel)

Power on/off

Indicators (front panel)

Green LED power indicator

Network Status: Primary/Secondary/Locked

PSU: A/B

Sample rate: 44.1/48kHz, x2, x4, Pull

Signal presence: from/to DAW, LED per 4 channels

Clock Source: Internal, Loop Sync, Word Clock, DAW Master

Supported Systems

Pro Tools|HD PCIe

Pro Tools|HDX

Pro Tools|HD Native PCIe

Pro Tools|HD Native Thunderbolt

Requires Pro Tools|HD 8.0 and up

E&OE

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