COMPUTING - INTERFACE

FOCUSRITE REDNET A16R MKII 16 CH ANALOG - DANTE



RedNet A16R MkII is a 1U 19in rack-mount interface featuring 16 channels of A-D & D-A plus one AES3 channel-pair, for the Dante audio-over-IP network. The operating level is switchable between 18 dBu and 24 dBu, and Mute/Dim and Level controls are provided on each input and output channel. Specifically tailored for the road, live-sound and broadcast environments, each unit features network and power redundancy, rugged construction with latching connectors, remote control and remote monitoring.

Dual Ethernet connectors (primary and secondary) on the rear-panel allow maximum network reliability with seamless switchover to a secondary network in the unlikely event of a network failure. These ports may alternatively be used to daisy-chain additional units when operating in Switched mode.

Redundant power supplies (PSU A and B) with separate input sockets on the rear panel allow one supply to be connected to an uninterruptible source. Each PSU's status can be monitored remotely over the network or from the front panel.

RedNet A16R MkII has a Sample Rate Convertor (SRC) on the AES3 input pair allowing instant operation with any AES3 source irrespective of the sample rate or clocking of the Dante network.

Audio interface in provided by four standard 8-channel (AES59) Combined Analogue I/O DB25 connections. In addition, channels 17-18 act as the AES3 channels (When operating at quad sample rates the inputs to channels 17-18 will not be available, the user can then
select either: 1-16 analogue or 1-14 analogue and 15-16 AES3).

Word Clock I/O on BNC connectors allows synchronisation of the Dante network to house clock, or the syncing of external equipment to the Dante network. DARS reference can also be accepted via the XLR-3 input connector.

The RedNet A16R MkII front panel contains a set of LEDs to confirm PSU status, network status, sample rate, clock sources and signal presence on both input and output.



Features:

• 16-channel bi-directional analogue interface for Dante networks, with additional two-channel AES3 I/O.

• Precision A-D and D-A conversion with 119dB dynamic range, flat from 20Hz - 20 kHz (+/- 0.15dB).

• Individual input/output channel level control using RedNet Control software.

• Dual PSUs with locking IEC inlets.

• Dual locking etherCON connectors for Primary and Secondary network connections.

• Power supply and ethernet redundancy with auto switchover in case of failure.\t

• Front-panel LED indicators for PSU, network, sample rate, signal present and clock source status.

• Sample rate conversion on the AES3 inputs allows external equipment to run at any sample rate.

• Analogue I/O on four AES59 standard DB25 connectors.

• Digital I/O on a pair of XLR connectors (AES3).

• Rear panel XLR connector can either be used as a DARS input or as a traditional AES3 audio input.

• BNC connectors for Word Clock input and

output.
• Compact 1U chassis allows maximum functionality in minimum rack space.
• AES67 and AES70 compliant.
• SMPTE ST 2110 compliant when used with Dante Domain Manager
• Full operability with Focusrite RedNet and Red interfaces, plus all Dante devices from hundreds of manufacturers.
• Remote control with RedNet Control, and route via Dante Control.

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