

NORTH AMERICAN REGIONALS - SPRING 2015

Focusrite RedNet

Ted White **RedNet Product Specialist - Focusrite**



Focusrite REDNET



WhereSonus





Overview REDNET

RedNet is Focusrite's flagship range of modular audio over IP interfaces that harnesses the power of the Dante digital audio networking protocol to bring studio quality sound to any modern audio application.

RedNet units can be combined to form scalable, near-zero latency audio distribution and recording systems, which allow you to send, receive and record extremely high quality audio over your existing network infrastructure via standard Cat5e or Cat6 Ethernet cables.

With RedNet the possibilities are endless.

RedNet 1 - 8 Analog I/O RedNet 2 - 16 Analog I/O RedNet 3 – 32 Digital I/O RedNet 4 – 8 Mic/Line I/O RedNet 5 HD Bridge – 32 I/O RedNet 6 MADI Bridge – 64 I/O RedNet D16 - 16 AES I/O RedNet PCIe – 128 Ch I/O

RedNet MP8R – 8 Mic/Line RedNet HD32R – HD Bridge RedNet D64R – MADI Bridge RedNet D16R – AES I/O

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Global RedNet customers

- Microsoft Production Studios
- London College Music •
- NBC NY & LA •
- ABC NY
- Lillehammer University College •
- Tromso Theatre Norway
- **BBC** @ Glastonbury •
- FIFA World Cup Draw •
- Clair Global / Usher
- U. Michigan Duderstadt Center





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0 0 Rednet Control • Red4-Track Rm1 t U 23dB 48v 48v REDNET CHANNEL MIC PRE LINE 1 LINK 2 5 LINK 6 • īd 🔍 Rednet3-020045 ADAT. 3 4 5 6 11 | 12 | 13 | 14 | 15 | 16 10 10 11 16 17 18 19 20 21 22 23 24 17 18 19 20 21 22 23 24 B OUTPUTS 25 26 27 28 29 30 31 32 25 26 27 28 29 30 31 32 INPUTS • (id) Rednet2-020051 1 4 6 8 2 5 6 8 2 16 CHANNEL AD-DA 10 11 12 13 14 15 16 INPUTS OUTPUTS 9 10 11 12 13 14 15 16 • id 🍳 Rednet 1-6 0 dB -6 dB 8 CHANNEL AD-DA 7 8 INPUTS 3 4 5 6 8

(audio-technica)

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Simple Recording Studio

48 Channel Pro Tools|HDX Workflow

The Problem

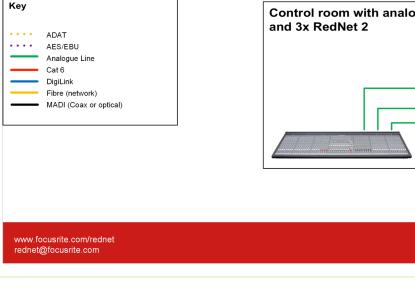
The customer wants an alternative to Avid HD I/O to interface with the analogue console, and is aware that audio-over-IP is the future of the audio industry

The Solution

RedNet's superior digital conversion provides a clean, excellent sound. Because RedNet uses Dante, the customer can integrate any other Dante hardware in future. Since the system is now audio-over-IP based, the customer can now move the noisy computer into the machine room, yet have minimal analogue cable runs to the console.

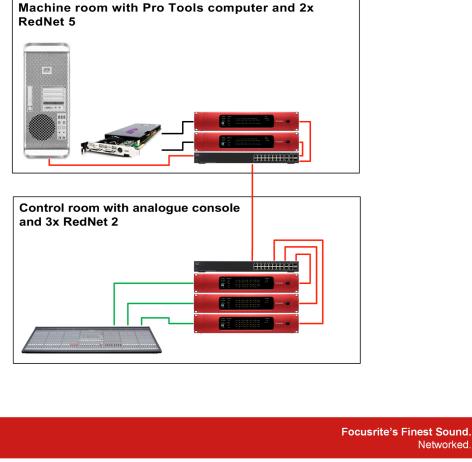
The Products

2x RedNet 5 – HD Bridge 3x RedNet 2 – Analogue I/O



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Simple location recording setup

Using Dante Virtual Soundcard, a laptop and RedNet 4, a simple yet very effective location recording setup can be created

The Problem

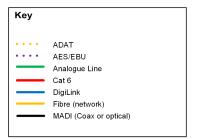
Customer needs a high-quality yet very portable recording system. Analogue multicore is too expensive, heavy and unreliable to continue using.

The Solution

RedNet 4 provides superb quality microphone preamplification coupled with superb A-D conversion. A single Cat 6 cable links the mobile mic pre rack with the laptop which can be anywhere on site. The long Cat 6 could be replaced with fibre to create an even longer distance, and lighter system. Dante Virtual Soundcard allows the onboard Ethernet port of the laptop to act as an ASIO or Core Audio soundcard that connects to the network. A Studio Technologies 5202 gives a headphone output for monitoring.

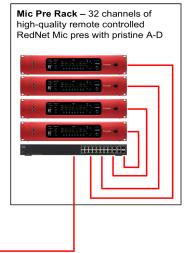
The Products

4x RedNet 4 – Mic Pre 1x DVS – Virtual Soundcard (free with RedNet units) 1x Studio Technologies 5202













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Composer workflow – Multiple DAWs

Cubase and Pro ToolsIHD linked together with 64 tracks between each system

The Problem

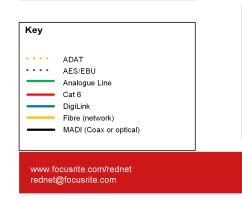
The customer needed an elegant way of bringing a large number of stems from Cubase into Pro Tools in real time. Both systems need to be synchronised. An additional requirement was to be able to record from any room in the facility to either the Cubase or Pro Tools HD system.

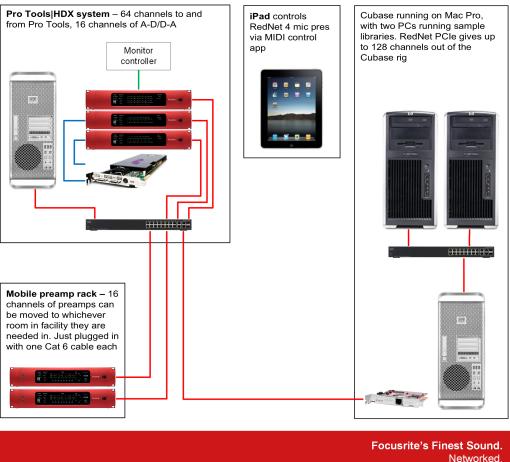
The Solution

RedNet PCIe provides the Core Audio interface for Cubase, allowing up to 128 channels to be played out to the Dante network. With two RedNet 5s on the Pro Tools|HD system, up to 64 of those outputs can be brought into the mixdown DAW. RedNet 4 mic pres allow the customer to record anywhere in the building with added benefit of iPad control of mic pre levels using a MIDI controller app. RedNet 2 gives 16 channels of analogue I/O in the main control room.

The Products

1x RedNet PCIe - Sound Card 1x RedNet 2 - Analogue I/O 2x RedNet 4 - Mic pres 1x RedNet 5 - HD Bridge





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Long distance recording and broadcast

10km remote mixing for broadcast and recording to Pro Tools|HD

The Problem

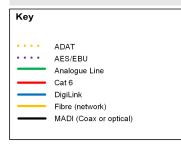
The university needed to both mix for broadcast and record concerts in a local concert hall. Wanting to use their wellestablished and familiar recording studios, they needed a system which could traverse the 10km distance between the two locations.

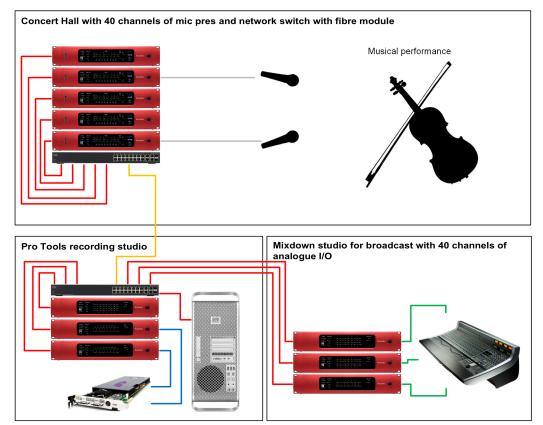
The Solution

Since it uses standard IP hardware and interconnects, RedNet was able to provide a solution to the distance problem. A 10km single mode fibre connection was established between concert hall and studio. 40 channels of RedNet 4 mic pres provide pristine signal quality, whilst being entirely remote controlled. RedNet 5 bridges to Pro Tools|HD, and RedNet 2 and RedNet 1 give them the 40 analogue lines into the console

The Products

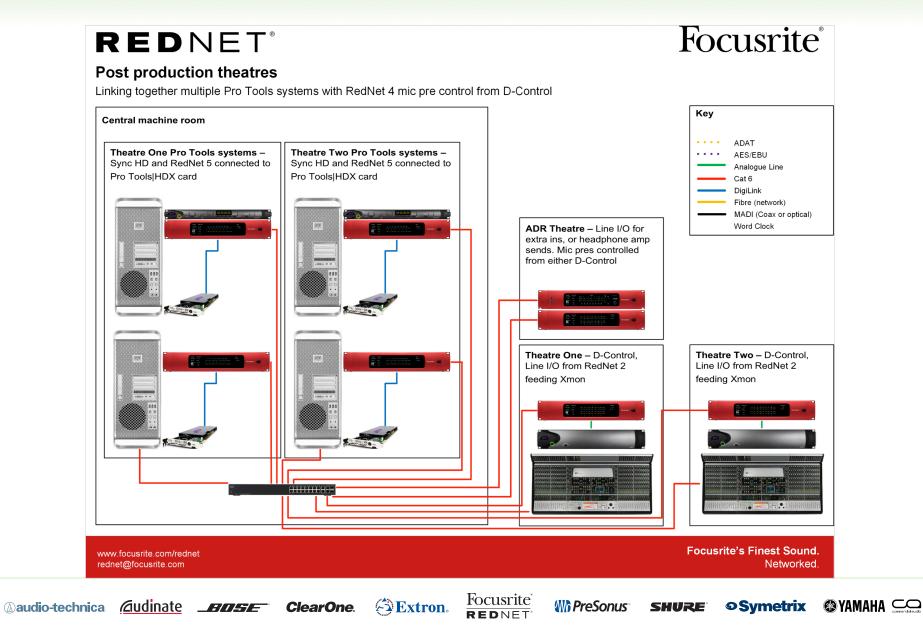
1x RedNet 1 – Analogue I/O 3x RedNet 2 – Analogue I/O 5x RedNet 4 – Mic pre 2x RedNet 5 – HD Bridge









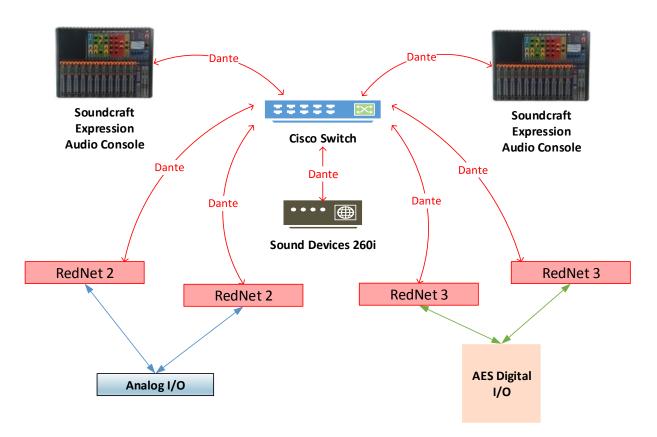




Fifth Third Field – Dayton, OH

In House Video

Broadcast Feed



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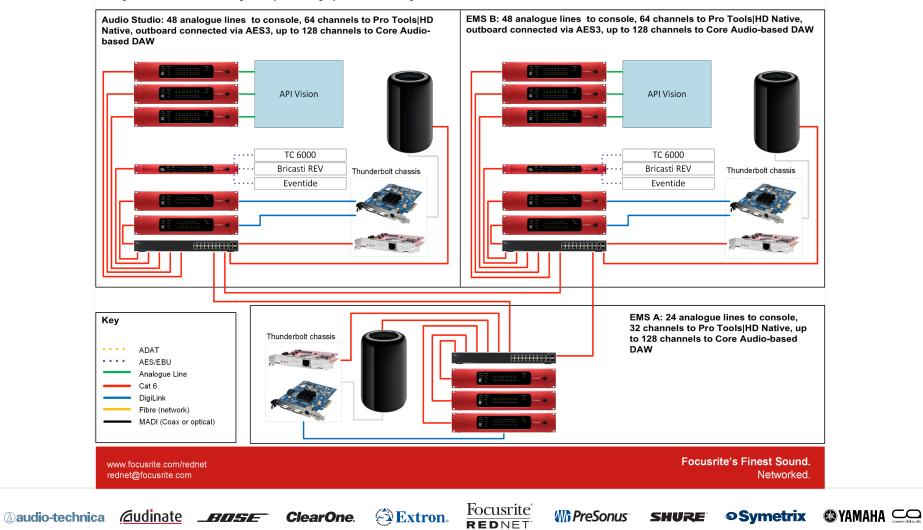


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University of Michigan

Large educational recording facility with hugely-flexible routing



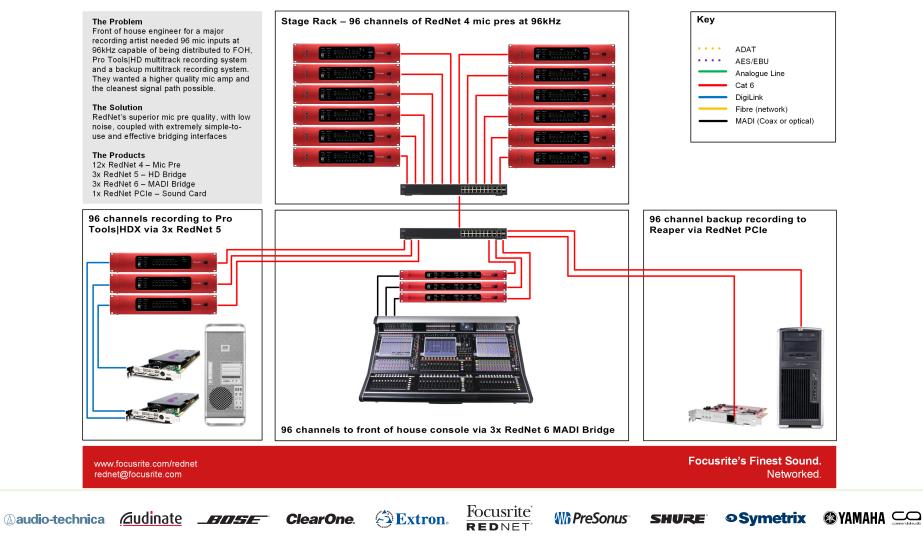


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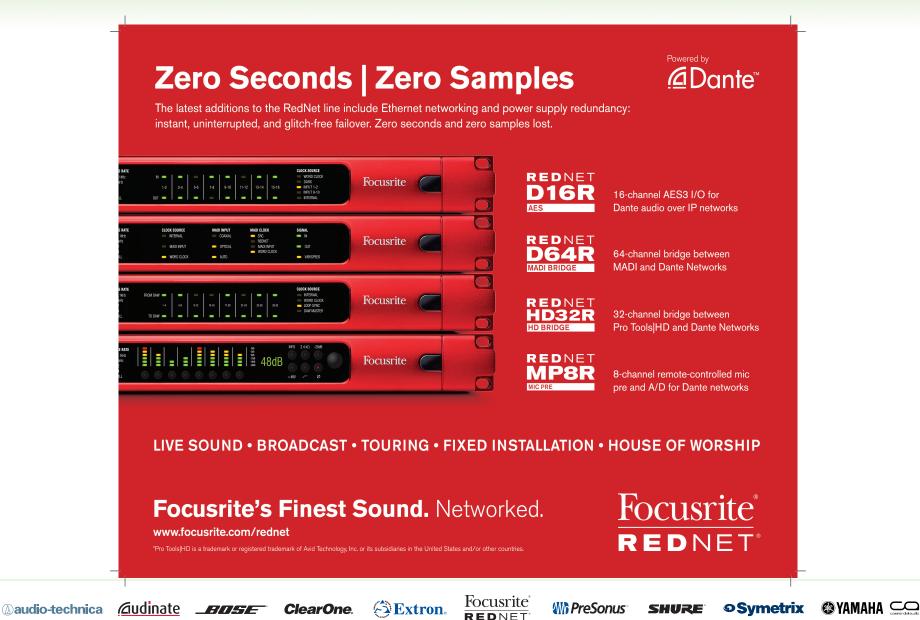
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Live Sound – Touring Setup

96 channels of mic pres feeding Front of House console and two recording rigs at 96kHz









MP8R **RedNet 2015**



- 10 chassis •
- Redundant power ۲
- Redundant networking •
- Ethercon •
- Neutrik XLR
- Gain tracking •
- \$2999

- Phase invert & 20db Pad
- Impedance switch 10k & 2.4k
- Builds on sonic quality of ۲ RedNet 4 w/ improvements
- Tailored for Live Sound, critical path use
- Honed with leading touring ۲ sound cos.

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D16R RedNet 2015



- **Redundant power** •
- Redundant networking ۲
- Ethercon •
- Input SRC •
- **DARS** input ۲
- \$1,999 •

More attractive proposition in ٠ critical path applications

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HD32R RedNet 2015



- 1U chassis
- Redundant power
- Redundant networking
- Mini DigiLink
- Ethercon
- \$1,499

- More attractive proposition in critical path applications
- Greater compatibility with other
 Dante workflows

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D64R **RedNet 2015**



- Redundant power •
- Redundant networking ۲
- Ethercon •
- **Optical and Coaxial MADI** •
- SRC on input and output ۲
- \$2,499 •

- More attractive proposition in ٠ critical path applications
- Greater compatibility with other ۲ Dante workflows

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Thank You!



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