Focusrite RedNet TNX



Today, Focusrite announces RedNet TNX, a flexible Dante interface that delivers high channel counts, ultra-low latency, and powerful audio workflows to any PC or Mac with an available Thunderbolt™ connection. The release marks the first new offering in Focusrite's RedNet range since RedNet PCIeNX in 2023. The new RedNet TNX, however, enables users to pass audio via Dante to and from a computer without having to install a PCIe card.

Designed to handle large recording sessions and post-production work including Dolby Atmos and other immersive formats, RedNet TNX's combination of ultra-low round-trip latency, effortless setup, and scalable flexibility makes it ideal for recording studios, schools, venues, and broadcast facilities. Out of the box, the new interface offers 128x128 channels of low-latency, 24-bit/192kHz audio, with the optional Dante Ready payable upgrade expanding RedNet TNX to 256x256 channels at 24-bit/96 kHz.

"This release marks the latest chapter in Focusrite's four-decade-long history of pro audio innovation," says Jack Cole, Product Manager: Professional Solutions & Drivers. "RedNet TNX brings power, flexibility, and user-friendliness to studios, live rigs, broadcast environments, and education spaces that are Dante-equipped, or looking to get started with building a Dante system. Users can expect the same robust performance and feature set from RedNet TNX as with RedNet PCIeNX, with the added bonuses of Thunderbolt daisy chaining and 15W charging, Sonnet ThunderLok support and mounting points on the underside for securing in a rack tray."

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RedNet TNX’s simple, single-cable connectivity makes it particularly valuable for high-channel-count workflows involving multiple users. Visiting engineers can easily patch into a Dante network, student laptops can be hot-swapped, and FOH or playback engineers can integrate desktop or laptop systems into live rigs with minimal setup. RedNet TNX also integrates with RedNet Control, allowing unified control and monitoring of all RedNet devices via a single application. Its built-in network interface supports both audio and control data through one rear-panel Ethernet connection, while a second RJ-45 port enables switched or redundant modes for added flexibility and resilience in mission-critical environments.

For broadcasters, RedNet TNX offers support for Dante Domain Manager and the latest AoIP standards, including AES67, as well as compliance for SMPTE ST 2110 (DDM required). And, thanks to its compact form factor, it’s portable enough to use on location.

Key Features

- Powerful, portable audio workflows: 128x128 channels at 24-bit/192kHz with ultra-low latency - perfect for large sessions and immersive formats like Dolby Atmos.
- Seamless Thunderbolt connectivity: Connect to any compatible computer with one cable; quick swaps between users make it ideal for shared workspaces.
- Upgradable with Dante Ready: Expand to 256x256 channels at 24-bit/96kHz with an optional Dante Ready upgrade.
- Dual Ethernet RJ-45 connections: Supports switched or redundant mode for flexible, reliable network connectivity in critical situations.
- Broadcast-Ready AoIP support: Compliant with AES67 and SMPTE ST 2110 (DDM required) for broadcast and pro audio standards.
- Windows and macOS compatible: Works with Thunderbolt-equipped Windows (Intel) and macOS (Intel & Apple Silicon) systems.
- Simple integrated network control: Manage everything via a single-cable connection with the built-in network interface.
- Easy integration: Dual Thunderbolt ports (15W each) support daisy-chaining multiple devices, securable with Sonnet ThunderLok retainer clips.
- Rack shelf-mountable: Secure with M5 x 12mm screw threads underneath.
- Award-winning support: Backed by Focusrite’s three-year warranty and 24/7/365 technical support.

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