Dante
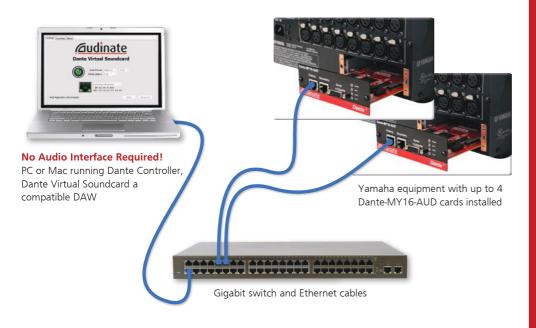## Dante-MY16-AUD

The Future of Digital Media Networking - Today

DANTE FEATURES

▸ **AVB Ready**

▸ **Based on IP networking technology: Built on industry networking standards including IEEE 802.3 and UDP/IP**

▸ **Professional quality audio: Sample accurate playback synchronization**

▸ **Extremely low latency**

▸ **Mix sample rates and bit depths all on the same network: Run 48kHz, 96kHz and other supported sample rates and bit depths over the same network at the same time**

▸ **True plug and play networking: Automatic device discovery and network configuration - no need for an IT specialist on your sound crew**

▸ **Descriptive label-based routing: No magic numbers**

▸ **Network your PC or Mac with Dante Virtual Soundcard: Directly connect DAW applications with Dante Virtual Soundcard software - no extra hardware required**

▸ **One network for everything: Use the same network for audio, synchronization AND control, including Dante control software running on a PC or Mac**

▸ **Integrate into existing Ethernet networks: Use standard VoIP-style QoS to integrate Dante into existing network infrastructure alongside other applications**

▸ **Combine multiple Ethernet network speeds and types: Flexibility when you need it - from 100 Mbit and 1 Gbit copper through to fiber optic**

▸ **Cost effective: Uses off-the-shelf Ethernet switches**

▸ **Scalable from a single channel to thousands of channels**

▸ **Multiple redundancy methods**

Audinate's Dante-MY16-AUD card is a fully compatible Yamaha Mini-YGDAI standard card that instantly Dante-enables your Yamaha mixer, processor or power amp.

Each Dante-MY16-AUD provides 16 bidirectional audio channels (8 at 96 kHz) and full Dante network audio redundancy over Gigabit Ethernet. Add more cards to add more channels, and connect to other Danteenabled audio equipment and to a PC or Mac running Audinate's Dante Virtual Soundcard software for a complete audio networking solution.

The Dante-MY16-AUD card is exclusively distributed by Yamaha.

Dante delivers something every audio professional needs: a no-hassle, selfconfiguring, true plug-and-play digital audio network that uses standard Internet Protocols over both 100Mbps and 1 Gigabit Ethernet. Patent-pending Dante technology distributes digital audio plus integrated control data with imperceptible latency, sample-accurate playback synchronization, extreme reliability and high channel counts.

Easy to set up and use
Our innovative configuration protocol makes networking a true plug-and-play process with automatic device discovery and system configuration. Dante-enabled devices will automatically configure their network interfaces and find each other on the network, so you can skip those complicated, error-prone set-up procedures. Instead of "magic numbers," you label Dante devices and their audio channels with names that make sense to you.

Sample-accurate timing with inaudibly low latency
Dante uses audio-independent, highaccuracy network synchronization standards to ensure all Dante devices are synchronized at all times. Sample-accurate playback with extremely low latency and jitter is achieved without limiting your audio sample rates and network layout options.

True Ethernet and IP network compatibility
Dante runs on inexpensive off-the-shelf computer networking hardware, and does not require dedicated network infrastructure. Ethernet switches transmit Dante digital media streams alongside ordinary data traffic, so you can integrate professional media operations into properly designed pre-existing networks. And with Dante Virtual Soundcard (DVS), your Mac or Windows computer looks and acts like any other Dante-enabled device. Just plug in to the standard Ethernet port on your computer to use digital audio processing, recording or playback software on the network.

www.audinate.com

Application Example: Recording Solution
Record up to 64 channels of audio direct from your Yamaha mixer to your PC or Mac running Digital Audio Workstation software.

No Audio Interface Required!
PC or Mac running Dante Controller, Dante Virtual Soundcard a compatible DAW

Yamaha equipment with up to 4 Dante-MY16-AUD cards installed

Gigabit switch and Ethernet cables

FEATURES

▸ **Standard Mini-YGDAI MY16 card**

▸ **High-performance hardware implementation**

▸ **Supports 48 / 96 kHz, 24-bit audio**

▸ **Dual Gigabit Ethernet interface**

▸ **Glitch-free Dante audio redundancy support**

▸ **High-quality onboard word clock**

▸ **External word clock sync**

▸ **Expand audio channels using multiple cards**

▸ **Interconnect with other Dante-enabled audio equipment**

▸ **Record and playback directly to PC with Dante Virtual Soundcard**

Specifications

Sample Rates	48kHz and 96kHz
Audio channels	16 bidirectional @ 48kHz or 8 bidirectional @ 96kHz
Sample bit-depth	24 bit PCM
Network	2 x Gigabit (1000Mbps; 1Gbps) Ethernet RJ45 connectors
Redundancy	Glitch-free Dante audio redundancy using dual Ethernet networks
HA Remote	Supported on HA Remote capable Yamaha products
Expandable	Install up to four Dante-MY16-AUD cards in available Mini-YGDAI-compatible slots for up to 64 bidirectional audio channels
Clock	High quality on-board VCXO clock can provide master clock OR slave off audio equipment; automatic synchronization with Dante network

Compatible Yamaha Equipment

Digital Mixers	PM5D, DSP5D, M7CL, LS9, DM2000, DM1000, 02R96, 01V96
Processors	DME24N, DME64N
Power Amps	Txn Series

Part Number

MY16-03-016

▸ Visit www.yamahaproaudio.com for more information on Mini-YGDAI compatibility

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