



Product Overview

VM-D16DT is an optional Dante expansion module specially designed for VM-D20FD, VM-D24FD and VM-D32FD series digital mixing consoles.

It delivers full 32×32 bidirectional network audio input and output channels, allowing compatible mixers to seamlessly link all Dante-compliant audio equipment on the AV network.

This module realizes lossless long-distance audio signal transmission, multi-track network recording and inter-device audio routing without complicated analog wiring. It expands the system's networking capacity for large conference centers, theaters and multi-zone performance venues, supporting stable synchronous audio streaming to build integrated digital audio network systems.

Suitable for applications including:

- ✓ Large multi-functional conference centers
- ✓ Indoor and outdoor live performance stages
- ✓ Theater, opera houses and auditoriums
- ✓ Hotel banquet halls and large event venues
- ✓ Campus multi-media lecture buildings
- ✓ Government command & press conference rooms
- ✓ Exhibition halls and commercial launch sites
- ✓ Multi-area church worship venues
- ✓ Stadiums and comprehensive sports arenas
- ✓ Complex audio systems with distributed Dante network devices



Key Features

1. Custom optional expansion module exclusively compatible with VM-D20FD, VM-D24FD and VM-D32FD digital mixing consoles, plug-and-play installation in the rear extension I/O slot.
2. Delivers full 32×32 bidirectional Dante network audio channels for large-scale digital audio routing and multi-track network recording.
3. Dual Gigabit Ethernet ports support redundant audio transmission, stable long-distance lossless audio signal delivery over standard network cables.
4. Fully compliant with standard Dante AV networking protocol, seamlessly interconnecting all Dante-enabled audio gear including stage boxes, power amplifiers and remote mixers.
5. Greatly simplifies system wiring by replacing bulky multi-core analog cables, reducing installation costs and signal interference in large venues.
6. Supports synchronized audio streaming across multi-zone audio systems, ideal for centralized audio control in conference halls, theaters and live stages.
7. Compact slot-mounted design with integrated metal panel, perfect for rear-panel concealed installation without occupying extra rack space.
8. Enables flexible audio sharing, signal distribution and remote monitoring across the whole Dante audio network ecosystem.

Technical specifications

Model	VM-D16DT
Product Type	Dante Network Audio Expansion Module
Compatible Host Devices	VM-D20FD, VM-D24FD, VM-D32FD Series Digital Mixing Consoles
Installation Method	Plug-and-play slot installation in the rear extension I/O bay of the host console
Audio Channel Configuration	32×32 bidirectional Dante network audio I/O channels
Supported Sample Rate	48 kHz ±100 ppm (standard Dante audio sampling)
Audio Bit Depth	24-bit
Minimum Audio Latency	< 1 ms (configurable)
Dynamic Range	≥ 110 dB
Total Harmonic Distortion + Noise (THD+N)	< 0.001% @ 1 kHz, full scale
Frequency Response	20 Hz – 20 kHz ±0.5 dB
Network Interface	2× Gigabit Ethernet RJ45 ports
Network Protocol Compliance	Dante AV Networking Protocol, AES67, Dante Domain Manager (DDM)
Redundancy Support	Dual-port redundant network transmission (primary/secondary failover)
Maximum Transmission Distance	100 m (over standard Cat5e/Cat6 Ethernet cable)
Supported Dante Features	Multitrack recording, network audio routing, device discovery, clock synchronization