

Two User Commentary Unit With Dante Network Audio Interface



Express^{ip}
Commentary With Dante Interface

Highlights

Two User
Commentary Unit

Two Talkback
Circuits

Dante Network
Audio

Four
Monitoring Inputs

Multifunction
Talkback
Buttons

Power Via
PoE or
100-240 VAC

Overview

The Express^{ip} is a simple to operate, 2 user commentary box, that connects to a Dante audio network.

The 2 audio inputs are at mic level, with selectable 48v phantom power.

There are two talkback circuits, and four inputs for headphone monitoring. The 4 inputs and 4 outputs are available via the RJ45 connection to the Dante audio network.

Audio routing is configured as part of the free Dante Controller software.

The Express^{ip} can connect to any Dante network, or via GlenSound's own Dante DARK or AoIP analogue and AES audio interface units.

Features



- **Two Four Wire Circuits**

The Express^{ip} has two talkback circuits. Each commentator has their own talkback buttons. The push buttons for each circuit are configurable and can operate in different modes:

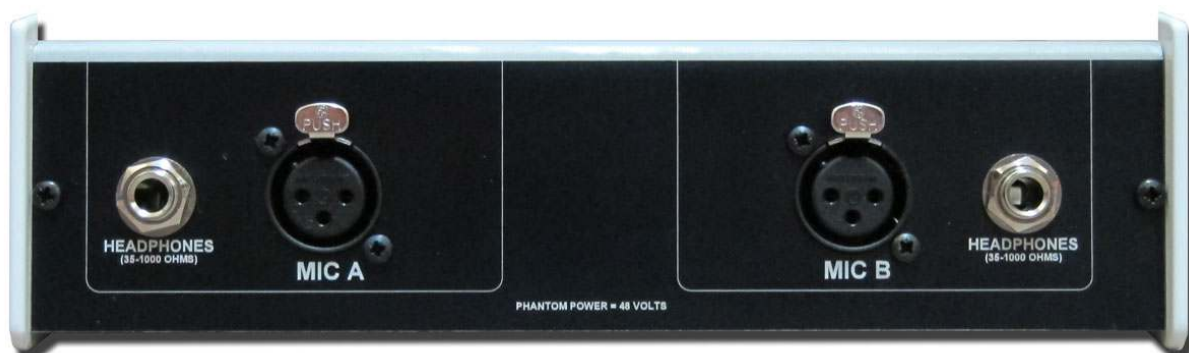
- Latching on/off
- Momentary push to talk (PTT)
- Intelligent mode where a short tap is latching, but a longer hold becomes momentary
- Always on and mutes when pressed (cough mode)

Pressing a talkback button removes the mic from the main output and directs it to the talkback output.

- **Headphone Monitoring**

There are 4 inputs into the headphone mixer. Each commentator has individual pots to set their preferred mix of these sources. There is a 5th pot for adjusting the level of the commentators own voice (sidetone).

The front panel has 2 x 6.35mm jack sockets for connecting the commentators' headphones.



- **Mic Inputs**

Both mic inputs are on front panel 3 pin XLR connections. The input is switchable to add 48V phantom power via a top panel switch

Each commentator has a mic on/off button that can also be configured to be always on, muting the input when held down (cough button).



- **Network Audio Link**

The Express^{ip} is Dante network audio compatible. The network connection is via a single EtherCON RJ45. This link carries:

- 4 audio inputs
- 4 audio outputs
- Power over Ethernet (PoE)

The four audio outputs that go into the Dante network are:

- Talkback 1
- Talkback 2
- Mic 1
- Mic 2 or Mix

On the 4th output, you can select it via a rear panel switch to be the direct B mic, or a mix of both the A and B mic.

Audio connections across the network can be to:

- Another Express^{ip} as a point to point 4W connection
- An Express^{ip} Commentary Unit, an Inferno Commentary Unit or a GS-FW012 ip 4 wire unit as part of a talkback setup.
- An AoIP44, DARK88 or DARK 1616 audio input/output interface
- Any other Dante compatible unit from other manufacturers

- **PPM Meter**

There is a seven segment PPM meter to show the mic input level.

- **Power**

The Express^{ip} has two possible power sources. It can be powered via PoE when connected to a compatible switch, or via an external 12 VDC connection.

Dante Controller Route Audio & Configure Devices On A Dante Network

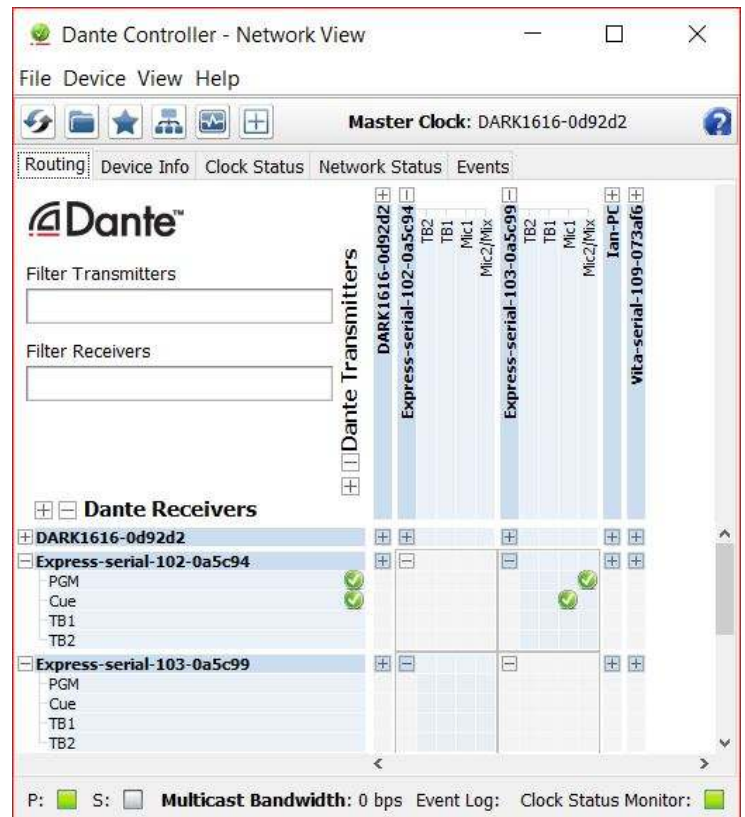
Overview

Dante Controller

Dante Controller is a free software application that enables you to route audio and configure devices on a Dante network. With automatic device discovery, one-click signal routing and user-editable device and channel labels, setting up a Dante network couldn't be easier.

Dante Controller is much more than just a configuration and routing matrix. Dante Controller provides essential device status information and powerful real-time network monitoring, including device-level latency and clock stability stats, multicast bandwidth usage, and customized event logging, enabling you to quickly identify and resolve any potential network issues. You can also quickly and easily backup, restore, move, and reuse Dante network configurations using Presets, and edit Dante routing configurations offline.

Dante Controller is available for Windows and Mac OS X.



Features

- View all Dante-enabled audio devices and their channels on the network
- View and edit device clock and network settings
- Route audio between devices, and view the state of existing audio routes
- Rename devices and channels using your own friendly names
- Customize the receive latency (latency before playout)
- Save and reapply audio routing presets
- Edit presets offline, and apply as configurations for new network deployments
- Change sample rates and clock settings
- View multicast bandwidth across the network
- View transmit and receive bandwidth for each device
- View device performance information, including latency stats, clock stability stats and packet errors
- View comprehensive, configurable event logs



DANTE The DANTE Audio Network Overview

Overview

Based on industry standards, Dante is an uncompressed, multi-channel digital media networking technology, with near-zero latency and synchronization. Dante is the preferred audio networking solution that has been adopted by more manufacturers than any other networking technology. Interoperability is not a dream of the future, but a reality today. Hundreds of Dante-enabled products are available from the world's leading manufacturers, enabling you to mix devices from multiple manufacturers.

Economical and Versatile

One cable does it all. Dante does away with heavy, expensive analogue or multicore cabling, replacing it with low-cost, easily-available CAT5e, CAT6, or fibre optic cable for a simple, lightweight, and economical solution. Dante integrates media and control for your entire system over a single, standard IP network.

Dante systems can easily scale from a simple pairing of a console to a computer, to large capacity networks running thousands of audio channels. Because Dante uses logical routes instead of physical point-to-point connections, the network can be expanded and reconfigured at any time with just a few mouse clicks.

Outstanding Quality

Since audio is transmitted digitally, you don't have to worry about the common analogue challenges of interference from other electrical equipment, crosstalk between cables, or signal degradation over long cable runs.

Easy To Install

Setting up Dante networks couldn't be easier. You no longer have to shudder when considering the deployment of an audio network. Even the most complex networks can be set up and configured quickly and easily with Dante, making system integration simple. Dante automatically handles the technical complexities for you.

Signal routing and system configuration with Dante is fast, simple, and incredibly flexible. Dante Controller is a powerful software application that manages devices on the network. Setting up a Dante network is typically just a matter of plugging devices into an Ethernet switch and connecting a computer to the network. All Dante devices are automatically discovered and displayed in Dante Controller, so you can be up and running in seconds. channels; multicast sends an audio stream to multiple devices simultaneously.





DANTE

The DANTE Audio Network Overview

Overview (cont...)

Easy to Use

With Dante Controller you can easily edit device names and channel labels, control sample rates, and set device latencies. There is no longer any need to remember device IDs or channel numbers. Instead, a single audio channel is referred to just like an email address: "commentatorA @ studio" or "news_mic @ voboothA". Set it and forget it. Once the network is configured, the computer running Dante Controller can be removed from the network, and reconnected only if changes are required or system monitoring is desired. Signal routing and other system settings are stored safely in the Dante devices themselves, so they are automatically restored if a device is power-cycled.

Network Health and Management

Real-time information about the health of your network is essential for a proper understanding of its performance. There are a rich suite of diagnostic tools within Dante Controller, providing visibility into the network health status through features such as device latency monitoring, active clock health monitoring, packet error reporting, and bandwidth usage statistics.

Glitch-Free Redundancy

Many Dante-enabled devices support 'glitch-free' redundancy, enabling a secondary physical network to be provided, duplicating the audio traffic on the primary network. This automatically prevents any audio loss or interruption in the event of a connectivity problem on the primary network.

Unicast or Multicast

Dante audio channels can be configured as unicast or multicast as appropriate, to make best use of available bandwidth. Unicast provides a direct point-to-point stream for unique channels; multicast sends an audio stream to multiple devices simultaneously.

Fully Integrated with Windows and Mac OS X

With Dante Virtual Soundcard, your computer becomes a Dante audio interface for multitrack recording and media playback, using the computer's existing Ethernet port — no additional hardware is required. Digital Audio Workstations, software-based media players, Skype, iTunes, Pandora, Spotify and other applications are easily integrated into your network via Dante Virtual Soundcard.



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