PATCH32A

Dante® SPOKEN HERE

Bittree — High-Performance Patching Systems
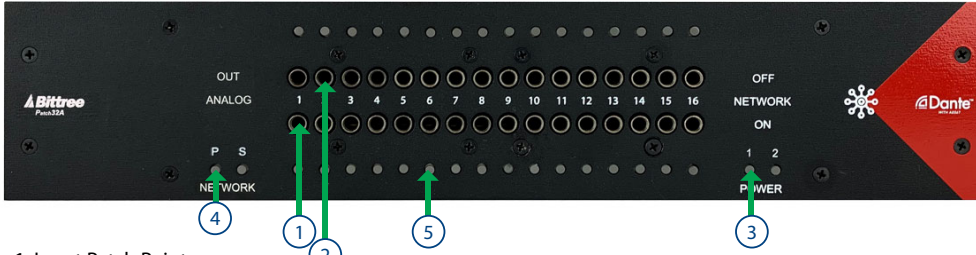
NETWORKED AUDIO PATCHBAY

Front Panel Functions of the PATCH32A

1. Input Patch Points
The bottom row of TT jacks provide an "on-ramp" to the Dante® network. An analog signal inserted into one of these jacks will be converted to digital and will appear on the associated transmit channel on the Dante® network.

2. Output Patch Points
The top row TT jacks are the "off-ramp" of the Dante® network. These jacks convert any Dante® channel to analog for use with other analog gear. These channels appear on the associated receive channel on the Dante® network.

3. Power Indicator
The Bittree Patch32A features two power inputs for redundant power. These indicators show that power is connected to one or both of the redundant power supplies.

4. Network Indicator
The two Dante® network jacks can be configured (via Dante® Controller) to run in switched or redundant modes. The front panel indicators reflect that the Patch32A is connected to a network.

5. Channel LED Indicators
Each LED indicator is associated with the output (top row) or input (bottom row) of the numbered TT jack.
    GREEN – A signal is present (above -60dB)
    ORANGE – A signal is present near clipping (over -6dB)
    RED – The signal is clipping (0dB)

Rear Panel Functions of the PATCH32A

1. Power Inlet
Dual power inlets allow the Patch32A to continue to function if one of the power supplies or power circuits fails. It is desirable to have each power supply connected to a separate power circuit so that the Patch32A will continue to function if one of the power circuits fails.

2. Word Clock In
This connector allows the Patch32A to be clocked from an external source. If using an external clocking source, connect the external clock to this BNC. You will also need to adjust the enable sync to external flag in Dante® Controller.

3. Word Clock Out
This connector supplies a word clock output. If using the Patch32A and the Dante® network to clock other devices, connect the external device to this BNC.

4. Primary Dante® Jack
Connect a CAT5e or CAT6 network cable to the primary port on another Dante® equipped device to link the devices directly. Connect a CAT5e or CAT6 network cable to a Gigabit switch to connect multiple Dante® enabled devices. Use the primary port for the main Dante® network or when using a single non-redundant network.

5. Secondary Dante® Jack
When configuring a redundant network, use the secondary port for the second "back-up" network when using redundant mode. The primary and secondary ports become a two port switch for connecting up to 2 devices when the device is in default switched mode.

KEY FEATURES:

- 16 TT analog (balanced or unbalanced) line level patchable inputs and outputs

- Supports 44.1 to 192K sample rate at 24-bit & 32-bit

- Front panel VU and status indicators

- Sturdy, removable, rubber feet for desktop, throw-down, or in-rack installations

- No additional software required other than Dante® Controller or Dante® Domain Manager.

Sold Seperately:

- 1.5 RU rack-mount kit.

- Second power supply

INPUT	
Analog Input Channels	16 via TT Patch Point
Frequency Response	20Hz - 20kHz +/- 0.25dB
0 dBFS Reference Levels	18dBu, 24dBu, -10dBV
(Internally Selectable)	Default 18dBu, 0 dBFS

OUTPUT	
Analog Output Channels	16 via TT Patch Point
Frequency Response	20Hz - 20kHz +/- 0.25dB
0 dBFS Reference Levels	18dBu, 24dBu, -10dBV
(Internally Selectable)	Default 18dBu, 0 dBFS

DIGITAL	
Digital Input Channels	16 via Dante® Network
Digital Output Channels	16 via Dante® Network
Supported Sample Rates	44.1 / 48 / 88.2 / 96 / 176.4 / 192 kHz (-4% / -0.1% / +0.1% / +4.167%)
	24-bit or 32-bit
Default	48kHz clock, 24-bit
Clock Sources	Internal, External, Dante® Network
Dante® Network Ports	2
Total Converter Latency	0.62 ms
Dante® Network Latency	1 ms (minimum)

PHYSICAL	
TT Jacks	32 (16 In, 16 Out)
Front Panel VU Indicators	32
Power Supply Indicators	2
Front Panel Network Activity Indicators	2
Power Supply	AC adapter
Input	100-240 V AC - 1.5 A, 47-63 Hz
Output	24 V DC, 2.1 A
Dimensions (L x W x H)	7" x 12.5" x 2.5" (177.8mm x 317.5mm x 63.5mm)
Weight	4.9 lbs (2.22kg)