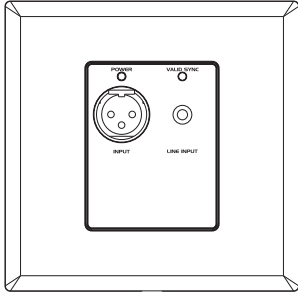


DIC2523A DIC2523AU

Dante Interface Mic/Line
2 Inputs x 2 Outputs



OWNERS MANUAL

Description

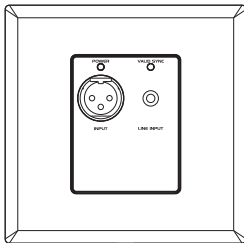
DIC2523A is an excellent quality Dante interface box for converting two Dante channels to Analogue Audio outputs, and two Analogue Audio inputs to Dante network. DIC2523A designed to fit with US style double-gang back box. DIC2523AU designed to fit with European mounting back box.

Simply use Cat5 cable to connect the RJ45 port to an Ethernet switch, and using “Dante controller” to route the low latency of signal to/from other devices which already connected on the same Dante network.

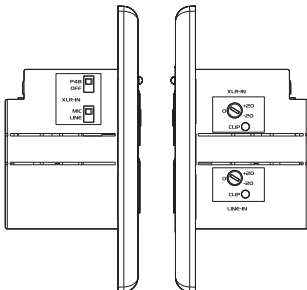
Features

- One MIC/Line XLR Input and One Mini-jack Input on Front Panel
- Mini-jack Input is summed to Mono signal
- Converts MIC or Line Audio Signals to Dante Network
- MIC/Line is Selectable for XLR Input
- Switchable 48V Phantom Power for MIC XLR Input
- Adjustable MIC/Line Gain from -20 dB to +20dB for Each Input Channel
- Two Audio Signal Outputs from Dante Network on Rear Panel
- Each Audio Input Signal/Clip LED on Side Panel
- High Resolution 24 Bit Converts Analog to Digital and Digital to Analog
- LEDs Indicate the Status for Power and Network Sync on Side Panel
- Power over Ethernet (PoE) or 24VDC power supply
- Provides High Quality of Preamplifier for Microphones
- Excellent Audio quality with low noise

Operation



1. XLR input, accept MIC or Line audio signal.
2. 3.5mm Mini jack input, accepts Line audio signal.
3. Power LED indicator.
4. SYNC LED indicates the status of Dante network.



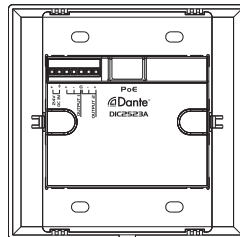
5. XLR Input Selector

Line: Accepts Balanced or Unbalanced Line source.

MIC: Accepts the signal of Dynamic or Condenser microphone. P48V: Provides 48V Phantom power when connecting Condenser microphone.

6. Input Gain Control : Adjust the Gain level of input signal on each input channel.

7. Signal CLIP LED on each input channel.



8. Euro Terminal Outputs:

Converts two Dante channels to analogue Line outputs.

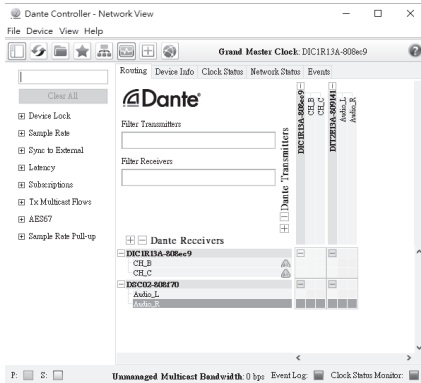
9. RJ45 port: Using Cat5 cable to connect to Dante network.

Note: When using PoE enabled network switch, DIC2523A could be powered and operation from PoE.

10. Power: Connect DC 24V to 2P terminal block or DC input jack.
Note: If DC 24V and PoE are both present to DIC2523A, the unit will operate from DC 24V. And when DC 24V removed, the power will switch over to PoE power automatically.

Dante Controller

DIC2523A is built in Dante interface and compatible with the software “Dante Controller”.



The software “Dante Controller” is free to download from the company of Audinate (the owner of Dante technology). To install the software on the computer, please visit the link:

<https://www.audinate.com/products/software/dante-controller>

And the “User Guide” of “Dante Controller” is available on the Audinate website:

<https://www.audinate.com/resources/technical-documentation>

The tables below list the minimum system specifications for the computer to use Dante Controller :

Component	Minimum Requirement
Processor	1 GHz or better
Memory	512 Mbytes RAM
Network	Standard Ethernet network interface (100Mbps or Gigabit) or wireless LAN (Wi-Fi) interface
Operating System	Windows 7 (SP1 and above), 8.1, 10, 11 NOTE: Both UTF-8 and Unicode are supported EXCEPT for host or device names; the DNS standard does not support Unicode for these
	Mac OS X 10.15, 11 or 12 NOTE: Intel architecture only; PPC architecture is not supported

Specification

Mic/Line Inputs to Dante Network

Input: XLR (female), Stereo Mini-jack (L, R)
Gain Range: -20 - +20
Input Impedance: >2.5k Ω (XLR MIC), >5k Ω (XLR LINE), >50k Ω (Mini-jack)
Phantom Power: 48 V Switchable
Frequency Response: 20 Hz to 20 kHz (\pm 0.5 dB)
THD+N: < 0.1%
Noise below +4 dBu: < -70 dB
CMRR: > 65 dB (50 Hz to 120 Hz)

Dante Network to Line Outputs

Outputs : 5P, Balanced/Unbalanced, detachable terminal block (Output 1/2)
Output Level: -10 dBu nominal (Line)
Output Level: +10 dBu Maximum
Output Voltage: +20dBu (@ 0dB output gain)
Output Impedance: 150 Ω balanced; 75 Ω unbalanced
Frequency Response: 20 Hz to 20 kHz (\pm 0.5 dB)
THD+N: < 0.1%
Noise: <-80dB
Crosstalk: < 85 dB (20 Hz to 20 kHz)

Dante channel

Transmitters/Receivers: 2/2
Transmission rate: 100 Mbps
Resolution: 16/24/32 Bit
Sampling rate: 44.1 kHz, 48 kHz.
Dante interface: RJ45 jack

Power Connections : 2 Pin Euro Terminal
Power Requirement: 24 Vdc @ 180 mA plus connected phantom loads, or PoE
Dimensions: 116mm(W) \times 114.5mm(H) \times 53.1mm(D) - DIC2523A
87mm(W) \times 87.5mm(H) \times 53.1mm(D) - DIC2523AU
Weight: 0.36 Kgs - DIC2523A
0.28 Kgs - DIC2523AU