Glensound
Keeps Working



**VITTORIA**

Dante To Dante Network Bridge

## Highlights

- Provides a firewall between two internal Dante/AES67 network interfaces
- 32 input and output channels at sample rates up to 96kHz
- 16 input and output channels at sample rates of 176.4 and 192kHz
- The two networks can operate asynchronously or at different sample rates
- Support for 44.1-192kHz

## Overview

The Vittoria provides a bridge between two internal and separate Dante networks. These networks are completely isolated from each other with 100% network security, providing a complete network firewall. Vittoria links 32 channels from each network directly in DSP, allowing the passing of bi-directional audio but with complete isolation and security from each separate network.

As each network is isolated, they can operate asynchronously and at different sample rates from each other without any problems. Each network can operate at sample rates from 44.1 kHz up to 192kHz.

Even though Vittoria provides a 32 channel network firewall, it also requires zero configuration, with audio just routed using Dante Controller as normal.

Dante®

**Glensound**
Keeps Working

**Vittoria**
Dante To Dante Network Bridge

- **Two Dante Interfaces**
The Vittoria has two Dante network audio interfaces. Each interface has:
    - Primary connection using copper Ethernet via RJ45 EtherCON socket
    - Secondary connection using copper Ethernet via RJ45 EtherCON socket
    - Primary fibre connection via SFP module slot
    - Secondary fibre connection via SFP module slot

The two network interfaces will typically be connected onto different networks and the Vittoria will 'bridge' between them.

- **Independently Operated Networks**
As each side of the Vittoria is independent and not connected across a network, they can have independent settings.

For example, if the Vittoria is in OB truck running its own network connection at 48kHz to sync with the other devices on board the truck, but needs to link with an external network in a local studio that is operating at 192kHz, then that is no problem for the Vittoria. It will bridge the two network settings and audio will flow!

If you have a work flow that includes AES67 and separate Dante networks, then the Vittoria can be used to bridge between them, with one network interface operating in Dante mode, and the other operating in AES67 mode.

Each network on the Vittoria will operate between sample rates of 44.1-192kHz.

- **32 Channels**
The Vittoria features a Dante Brooklyn II module in each interface and has 32 channels. Whatever you input on the primary interface is output on the secondary interface, and vice versa, up to 32 channels.

**Network Compatibility**
As well as Dante & AES67, the Vittoria is also SMPTE ST-2110-30 compatible.

**Dante®**

## Glensound
### Keeps Working

**Vittoria**
Dante To Dante Network Bridge

**Features**

- **Each Network Can Operate Asynchronously**
  Although each network of the Vittoria is connected via Ethernet, they can be operated with different master clocks at different clock speeds. This could be useful if you needed to spread the number of devices on one network across two. This would be very useful when using a high number of Ultimo based devices, for example.

- **Separate Word Clock In/Out**
  Each network interface has a word clock input and a word clock output connection, available on full size BNC connectors. This allows connection of other devices for clock sync on each network separately.

- **Vittoria As A Sample Rate Converter**
  Typically each network interface of the Vittoria will operate on separate networks, however they can both be connected to the same network if you would like to use the Vittoria as a sample rate converter.

  If the primary network is operating at 44.1kHz and you want to connect a device at 48kHz, just set the secondary interface to 48kHz and connect your new device to this interface in Dante Controller. The audio will now be available on the primary interface at 44.1kHz.

- **Redundant Power Supplies**
  The Vittoria has two switch mode AC power supplies presented on rear panel IEC plugs.

  These operate on a load sharing basis. This means that both supplies are running together at a low level. Statistically it is shown that running the supplies together offers greater life in the power supply than running one at full capacity with the other only taking over if it fails.

**www.glensound.com**

![Glensound Keeps Working logo]

# Vittoria History

The Glensound Dante network audio range of products take their names from characters and places of the time of the Italian poet Dante Aligieri.

Dante was born in Florence, Italy in 1265, and the area contains many tributes to his life and work. One of the several impressive bridges in Florence is called Ponte Alla Vittoria which was built in 1835.

The Ponte Alla Vittoria joined three major provinces (Pisa, Livorno, and Pistoia), linking industries in Florence with the sea and the railway.



![Dante logo]

**Vittoria**
Dante To Dante Network Bridge

**Specification**

## NETWORK

**Dante**
Yes using Brooklyn II modules

**AES67 Compliant**
Yes

**SMPTE ST-2110-30 Compliant**
Yes, using Dante Domain Manager

**Number Of Network Interfaces**
2 - fully isolated

**Copper Ethernet**
4 x Neutrik EtherCON connectors

**Fibre Ethernet**
4 x GBIC SFP slots to accept fibre modules (SFP modules not included)

**Audio Sampling Frequency**
44.1kHz - 192kHz

**Transfer Rate**
1000 Mbps

**Resolution**
24 bit

## POWER

**Number Of Inputs**
2

**Physical Inputs**
IEC plugs

**Redundancy**
Yes with load sharing

**Voltage Range**
100-240VAC +/- 10%

**Frequency**
50-60Hz

**Consumption**
20 Watts

## ASYNCHRONOUS SAMPLE RATE CONVERTERS

**Dynamic Range**
139dB

**I/O Sample Rate**
44.1kHz -192kHz

**I/O Sample Rate Ratio**
1:8 to 7.75:1

**Total Harmonic Distortion Plus Noise**
-120dB

All figures A weighted, 20Hz to 20kHz.

## PHYSICAL

**Size**
450 x 310 x 50 mm (WxDxH)

**Weight**
3Kg

**Mechanics**
All aluminium construction, anodized and laser etched

**Shipping Carton**
Rugged export quality cardboard carton 620 x 410 x 130 mm (WxDxH)

**Shipping Weight**
4Kg

## ENVIRONMENTAL

**Operating Temperature**
0 to +50 $^\circ$C (32$^\circ$ to 122 $^\circ$F)

**Storage Temperature**
-20 to +70 $^\circ$C (-4$^\circ$ to 158 $^\circ$F)

**Relative Humidity**
0 to 95% non-condensing

## INCLUDED ITEMS

**Handbook**
Available by download

**RJ45 Network Cable**
2 x 2 metre Cat5 RJ45plug /RJ45plug cable

E & OE