

## Dante® Network Intercom



**BEATRICE P1 & P2**

Dante®/ AES67 Telephone Handset Interface

## Highlights

1 or 2 Network  
Audio Circuits

AES67 Compliant

Desk or Wall  
Mounted48kHz  
Clear Digital Audio

PoE Powered

Low Noise  
Microphone Amp  
c/w compressor

## Overview

The GlenSound BEATRICE P1 & P2 are Dante/ (AES67 Compliant) 1 & 2 audio channel telephone handset interfaces. They were originally designed as part of our Beatrice intercom range but can also be used as stand alone network audio interfaces suitable for broadcast, theatre and professional audio applications.

The reliable and proven Dante network audio transmission protocol, allowing real time distribution of uncompressed audio across standard networks, is used in the BEATRICE P1 and P2. As such they are also fully compatible with other manufacturers' equipment using the Dante protocol. Both units are also AES67 compliant.

These telephone handset interfaces were designed to be very easy to use for the operator and simple to setup for the technician. They are also very competitively priced and will have a very long life span to keep the company accountant happy.

- **P1 - One Channel**

The user of the handset on the P1 unit can listen to one audio feed from the network and send one audio channel out onto the network. Depending upon how the Dante network has been routed, the incoming audio circuit and outgoing circuit can be different locations and the outgoing circuit can be routed to multiple locations. Audio to/ from the handset is automatically turned on when the handset is off hook and turned off when on hook.



- **P2 - Two Channels**

The user of the handset on the P2 unit can listen to two audio feeds from the network and send two audio channels out onto the network. Depending upon how the Dante network has been routed, the incoming audio circuits and outgoing circuits can be different locations and the outgoing circuits can be routed to multiple locations. Audio to the handset from the two network sources is routed to the telephone's earpiece only when the handset is off hook. When the handset is picked up (off hook), the handset's microphone is turned on and two switches allow the operator to route the handset's microphone to one or other (or both) of the outgoing network audio channels.



- **Mic Amp with Compressor & Phantom Power**

A good quality, clear sounding microphone amplifier designed for communication purposes is fitted to the output of the handsets microphone capsule which also has the benefit of a compressor/ limiter circuit to help keep levels and intelligibility consistent even when the operator gets overly excited. The gain of the microphone amplifier can be adjusted in the menu system to suit your working environment.

- **Handset Loudspeaker Amp With Volume Control**

A low noise amplifier is fitted to provide the best possible output to the handsets earpiece. A volume control is provided to easily allow the user to adjust the volume of the handset's earpiece.



- Incoming Level Gain**

As well as the volume control adjusting the audio level to the telephone handset's earpiece, it is possible by using the menu system to adjust the gain of the incoming network audio circuit(s).
- Single Cable For Power & Audio**

One single standard RJ45 network cable provides both power (PoE) and bi-directional multichannel digital audio (Dante/ AES67 compliant).
- Call Function**

A simple call function is inbuilt allowing the operator of one unit to call/alert other users that they want to communicate with them. To call another user the operator double taps the speak key of the channel they want to call (P2) or the dedicated call key (P1), this then flashes a bright yellow call LED on the other users keypanel (if fitted), which continues to flash until the call is answered. As well as flashing an LED at the receiving end of the call, an audible 'beep' can be set to alert the user that an incoming call has been placed to them. When the P1 or P2 receives a call a very large red LED will flash to attract the operator's attention. An extra pair of small LEDs are also fitted on the P2 to indicate which of the 2 incoming channels generated the call signal.

It is possible to disable the call functionality if required.



## P1 & P2 Specification

### NETWORK

#### Physical Interface

1 off RJ45 Neutrik Ethercon

#### Audio Sample Frequency

48kHz

#### Audio Resolution

24 Bit

#### Transfer Rate

100 Mbps

#### Dante Chipset

Ultimo UXT-01-004

Note: Audiante recommend no more than 10 Ultimo chipsets on one network **UNLESS** another Dante® device such as the Brooklyn Module (found in 8 channel Beatrice/ Dark units), is on the same network

#### AES67 Compliant

The Audinate Ultimo chipset is AES67 compliant

### PHYSICAL

#### Chassis Mechanics

All aluminium with laser etched panels and light textured black powder coated sides

#### Telephone Handset

Interquartz 9826N

#### Size (Body excluding Beltclip)

120 x 280 x 95(inc handset 45 ex) mm (w x l x h)

#### Weight

835g / 1lb8oz

#### Shipping Weight

2Kg

#### Shipping Size

62 x 41 x 17cms

#### Shipping Carton

Rugged export quality cardboard

### POWER

#### Consumption

<3 Watts

#### PoE

Powered by PoE

Complies to: IEEE 802.3af-2003

Classification Class 0

### ENVIRONMENTAL

#### Operating Temperature

0 to +50 °C (32° to 122°F)

#### Storage Temperature

-20 to +70 °C (-4° to 122°F)

#### Relative Humidity

0 to 95% non-condensing

### CALL CIRCUIT

#### Inband Calling Frequency

20kHz

#### Amplitude

-20dBfs

#### Duration Of Signal

2 seconds

#### Compatibility

All Glensound Beatrice units & Studio Technologies

### INCLUDED ITEMS

#### Handbook

Physical A5 (download also available)

#### RJ45 Network Cable

2 metre Cat5 RJ45plug /RJ45plug cable

The name **Beatrice** was chosen for our intercom range as she was the love of Dante Alighieri:

*'Dante had fallen in love with another, Beatrice Portinari (known as Bice), whom he first met when he was only nine.'* Source Wikipedia.

We hope that you will also fall in love with Beatrice.

E & OE