



BEATRICE B4 +

Compact & Versatile 4 Channel Belt Pack For Larger Systems

Highlights

4 x Fixed IFB Channels

4 x Direct Access Talk Buttons

AES67 & SMPTE ST 2110

Talk to 4 separate network locations

PoE Powered

4 x Recessed Listen Pots

Overview

The Beatrice B4+ is Glensound's first Dante Broadway designed unit. This means the B4+ can receive audio from 4 separate locations on the network, so it is perfect for larger systems. There are 4 four wire circuits and also 4 fixed IFB/loop circuits, so in Dante Controller the B4+ is shown with 8 inputs and 8 outputs.

The new compact design is for environments where the size of the unit is particularly important. Special headphone level adjustments are used that fit flush into the unit when not in use, reducing the size of the unit further.

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Intercom & Talkback

- Ultra Compact Box**
The B4+ has been designed to be as small and compact as possible. A rugged aluminium case with tough pillar supports means that although it is very small, it is also very strong, to cope with the life of a portable unit.
- High Specification Microphone Amplifier (with connector option)**
The microphone input is on a 3 pin XLR with gain adjust and selectable 48v phantom power. The XLR connection can also be specified as a 4 pin or 5 pin headset connection if required. A separate 6.35mm headphone output is always available.
- Listen To Four Separate Network Locations**
As the Beatrice B4+ is an Audinate Broadway design, it is possible to talk to four separate locations on the network. It also means that you could operate over 100 Beatrice B4+ devices on the same network.
- Four Direct Talkback Buttons**
Four separate talk buttons route the microphone input to either of the 4 network outputs. The button operation can be configured as momentary (PTT), latching or the Glensound intelligent mode.
- Built In Call Function**
A double tap of any talk button will produce a 'call' signal alert that will be received by another Beatrice unit. This can be disabled. An LED indicates an incoming call alert, which will also produce an audio indication on the headphones.
- Separate Level Adjust For The Four Inputs**
Each input has a separate control to adjust the headphone level, so each of the four inputs can be quickly set at a different level. The pots are sprung recessed so when not in use they can be pushed into the unit to further reduce the unit dimensions and reduce the chance of any unwanted knocks. Each input can be panned left/right. There is a signal present LED on each input to identify the incoming audio source.
- Four Permanent IFB Outputs**
As well as the four switched 4W outputs, there are also 4 permanent outputs which are a loop of the input. If the user activates the talk switch he will talk over this incoming looped signal. Whether the switch 4W or the IFB is used is based on the audio routing channels used in Dante Controller. Outputs 1-4 are the front panel 4W switched outputs, outputs 5-8 are the IFB loops.
- Remote Control**
The Beatrice B4+ can be controlled across the network using Glensound's Windows 10 remote app GlenController.

Beatrice Intercom

Beatrice is a low cost but sophisticated network audio intercom and talkback system, comprising belt packs, desktop, rack mounts, 2 wire interfaces, walkie talkie interfaces, signalling lights, wall panels, and phones. For further information visit glensound.com



BEATRICE B4 +

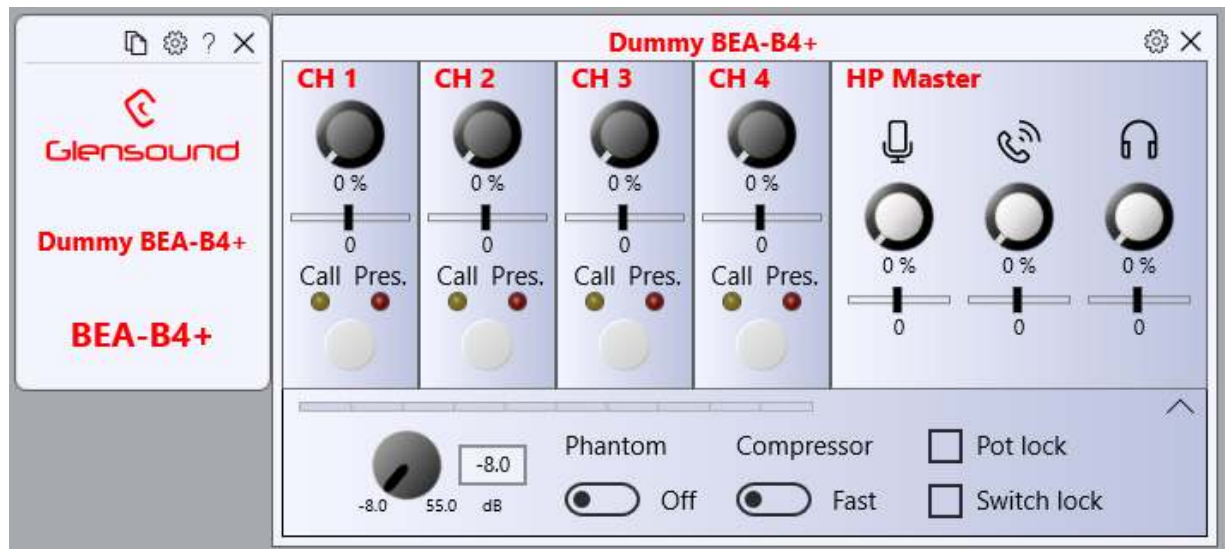
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GlenController

The Beatrice B4+ can be remote controlled by GlenSound's remote software GlenController. Using this Windows 10 app allows you to:

- Monitor and adjust each headphone level control and pan position
- Monitor and adjust the master headphone level control and balance, with a mix of the mic input (sidetone), call alert level, and overall headphone level
- Monitor and adjust the mic input type and gain level
- See the real time input level meter
- Adjust the built in compressor speed
- Lock the pot and switches from the user
- Modify each of the Dante channel names

GlenController for Windows 10 can be downloaded directly from the GlenSound website at www.glenSound.com



Beatrice B4+ Front



Beatrice B4+ Rear
(pictured with optional
5 pin headset connector)

Intercom & Talkback



Dante

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Technical Specification

NETWORK/ Dante®

Physical Interface

1 off RJ45

Audio Sample Frequency

48k

Transfer Rate

1 Gbps

Dante® Chipset

Broadway

AES67 Compliant

Yes

SMPTE ST2110-30 Compliant

Yes, using Dante Domain Manager

PHYSICAL

Mechanics

All aluminium with laser etched panels and light textured black powder coated lid & base

Size

80mm wide, 40 mm high, 130mm deep

Weight

0.30 Kg

Shipping Weight

1.3 Kg

Shipping Size

290 x 230 x 160 mm

Shipping Carton

Rugged export quality cardboard

ENVIRONMENTAL

Operating Temperature

0 to +50 °C (32 to 122°F)

Storage Temperature

-20 to +70 °C (-4° to 158°F)

Relative Humidity

0 to 95% non-condensing

AUDIO

Mic Gain Range

61 to 21dB

Phantom Power

48v

Equivalent Input Noise

125.6dB (Residual @max gain 150 Ohms)

Headphone Impedance

32 - 1000 Ohms

Max Headphone Output Level

+18dBu into 600 Ohms

Headphone Connector

6.35mm (1/4") TRS socket

Band Pass Filter

43Hz to 20kHz. Notch filter at 20kHz.

POWER

Power over Ethernet (PoE)

May be powered by PoE on the Copper Port
Complies to: IEEE 802.3af-2003
Classification Class 0

Consumption

<15 Watts

MIC/ HEADSET OPTION

Standard (Part no: Beatrice B4+)

Rear Panel 3 pin XLR socket Mic Input

Optional 5 Pin (Part no: Beatrice B4+X5)

Rear Panel 5 pin XLR socket Headset Connector

Optional 4 Pin (Part no: Beatrice B4+X4)

Rear Panel 4 pin XLR plug Headset Connector

INCLUDED ITEMS

RJ45 Network Cable

2 metre Cat5 RJ45plug /RJ45plug cable

Intercom & Talkback

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.

