

Outside Broadcast Headphone Amplifier With Dante™ / AES67 Network Audio Interface & Local Audio Outputs



VIRGIL OB

Highlights

Powered by PoE

Two Balanced Output Channels

Dante™ / AES67 Network Audio

Up to 96k/ 24 bit

Suitable For Low/ High Impedance Headphones

Use with mono & stereo headphones

Overview

Virgil was the Roman poet who guided Dante through Hell and Purgatory, the GlenSound Virgil IOB is a clever little headphone amplifier for providing crystal clear audio into studio & broadcast headphones.

Packaged in a small & robust format and designed for outside broadcast & theatre applications wherever a headphone circuit or analogue output is required, the Virgil provides a simple interface between Dante™ / AES67 network audio systems and users headphones or other analogue audio equipment

The Virgil OB encompasses our unique headphone amplifier circuit which automatically provides the correct output level to match the impedance of the attached headphones (to produce the same volume high impedance headphones require a much greater output level than low impedance).



VIRGIL OB

Features

Virgil OB receives 2 x audio circuits from a Dante™ / AES67 network and routes one to the left and the other to the right channel of the headphone amplifier. A front panel volume control allows the user to adjust the output volume of the headphones.

The 2 incoming audio circuits are also presented on a pair of balanced analogue audio XLRs on the rear of the unit. A switch on the side sets these outputs to be Pre or Post Fade of the front panel level control.

The Virgil OB is housed in a robust but lightweight aluminium casing that has been proven to withstand the rigours of life on the road. It also features a hardwearing beltclip allowing the unit to be quickly and securely attached to both people and infrastructure.

As well as being suitable for low & high impedance headphones our unique headphone amplifier circuit can be connected to both stereo headphones & mono earpieces, making

Specification

AUDIO

Headphone Impedance

32 to 1000 Ohms
(Auto output level to match impedance)

Maximum Headphone Output

+15.8dB into 600 Ohms

Headphone Frequency Response

>= -0.1dB 22Hz to 22kHz

Headphone Noise

-74dB @ lineup (residual noise)

Headphone THD + Noise (ref =8dBu)

0.008% @ 1kHz

Headphone Volume Pot Range

+10dB to -20dB (standard)
+10dB to Off (to special order)

Output Power

1 Watt

Headphone Jacks

1 x 6.35mm (1/4") & 1 x 3.5mm Stereo Sockets
Suitable for both stereo & mono headphones

Audio Inputs

2 off, 1 routed to left, 1 routed right

Full Scale

0dBFs = +18dBu

Balanced Output Impedance

<50 Ohms

Maximum Balanced Output Level

+18dBu

Balanced Output Frequency Response

>= -0.1dB 22Hz to 22kHz

Balanced Output Noise

-74dB @ lineup (residual noise)

Balanced Out THD + Noise (ref =8dBu)

0.008% @ 1kHz

OTHER

Dante/ AES67 Network Interface

Sample Frequency: 48 - 96kHz

Resolution: 24 Bit

DDM Certified

Dimensions

42 x 101 x 103mm (H x W x D)

Weight

200g

Power Input

Power Over Ethernet (PoE)

Power Consumption

<2 Watts