



## Headphone Amplifier

### OVERVIEW

It might be small, but looks can be deceptive. This smart little box has been designed to drive headphones at serious volume, and is fully controllable to suit any audio applications: from home recording projects to creative rehearsals, to major studio sessions and Audiophile headphone listening – in fact, all audio applications where precise monitoring is required.

The interface integrates seamlessly with any other SoundGrid product, should you wish to expand your network and add a high-end headphone amp to your studio's live room, vocal booth, control room, or live FOH or monitors setup.

Furthermore, Q benefits from a non-slip base and optional micstand adaptor plate. It is powered by a twist-lock 12V DC power supply (provided as standard), or Power over Ethernet (PoE) for maximum flexibility or ease of set-up, anywhere you want it.

Quality. Powerful. Practical.

### KEY FEATURES

4 High quality inputs to suit all users

RCA for the consumer Audiophile

AES/EBU on XLR for professional audio applications

Bluetooth for working direct with your digital music collection

Just 9cm cubed in high grade aluminium extrusion for rugged yet flexible use

Use as a stand-alone device or as an interface to a larger DiGiGrid system

Connects to the SoundGrid network via a single Ethernet cable

Compliant with the Soundgrid Studio ASIO/Core Audio driver



DiGiGrid audio interfaces give you the freedom to connect all your DAWs and hardware devices quickly and easily, and the power to run up to hundreds of plugins in real time. Waves, the world's leading developer of audio plugins, and DiGiCo, the world's leading manufacturer of professional mixing consoles, have joined forces to create the most advanced audio interfaces on the market, with award-winning preamps and superior networking and processing capabilities.

## TECHNICAL SPECIFICATIONS

### FRONT

- 1 x Headphone output (1/4" TRS)
- 1 x Headphone output (3.5mm TRS)

### REAR

- 1 x SoundGrid RJ45 Ethernet port (PoE compatible)
- 1 x XLR AES/EBU input (2 channels)
- 1 x Analogue line input (Stereo RCA)
- 1 x Quarter turn lock power connector



## A&E SPECIFICATION

The DiGiGrid Q shall be an audio interface for the SoundGrid Network.

The rear of the unit shall have an XLR AES/EBU input and a stereo RCA input. The rear of the unit shall also have an RJ45 ethernet port for connection to the SoundGrid network. This port shall also allow the unit to be powered by PoE. Alternatively, there shall be a quarter turn lock power connector on the rear of the unit to power it.

The front of the unit shall have a 1/4" TRS headphone output and a 3.5mm headphone output with an analogue level control on the top of the unit. This level control shall have segmented LED metering around it. The top of the unit shall also have LED displays to show which input is being sent to the headphone output. The input shall be selected by pressing the level control. The options shall be: Analogue (RCA), Digital (AES/EBU), Network (SoundGrid input) or Bluetooth.

There shall be an optional mic-stand adaptor plate that can be mounted to the base of the unit. This shall allow the unit to be fixed to the top of a mic-stand.

The dimensions of the Q shall be: 90 (w) x 90 (d) x 113.9 (h) mm  
The weight of the Q shall be: 0.6kg

### AUDIO SPECIFICATIONS

Sample Rate: 44.1kHz / 48kHz / 88.2kHz / 96kHz
Line Input Impedance: 10K Ohms
AES/EBU Input Impedance: 110 Ohms
Line Input Level: +2dBu For Full Scale
Frequency Response: -3dB < 10Hz to 100kHz (Analogue to Analogue)
Harmonic Distortion: 0.005%

### HEADPHONES

Gain Range	Infinity to +10dB	
Max Output Level	Load	Level RMS
	16 $\Omega$	2.3V
	32 $\Omega$	3.7V
	100 $\Omega$	6.0V
	200 $\Omega$	7.5V
	600 $\Omega$	8.8V

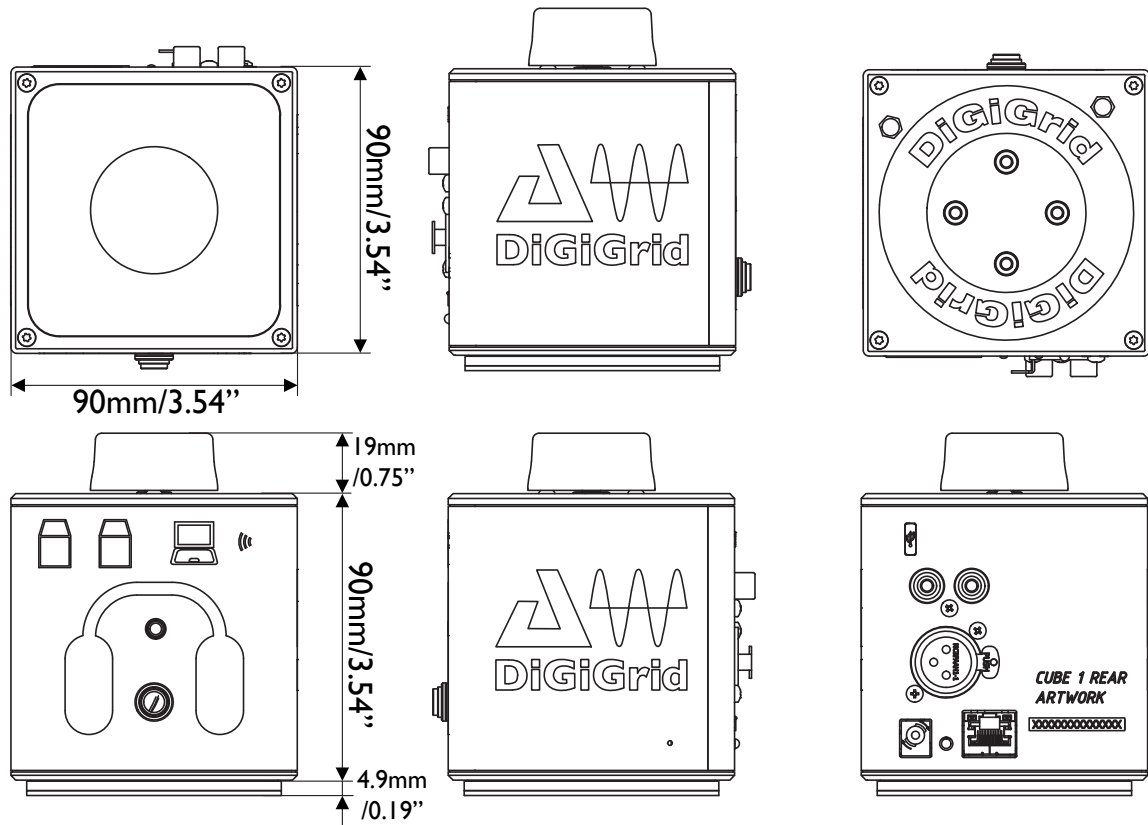


SoundGrid audio networking gives you the freedom to connect multiple I/Os, mixing consoles, DAW computers and DSP servers to the same system, all using standard Cat 5e/Cat 6 Ethernet cables. Boasting state-of-the-art AD/DA converters, DiGiGrid intergaces ensure high fidelity with uncompromising dynamic range, plus the ease and flexibility of the SoundGrid network.



## LINE DRAWING

All dimensions in mm



### PHYSICAL

Dimensions: 90mm (w) x 90mm (d) x 113.9mm (h)

Weight: 0.6kg (1.5kg boxed)

Power Requirements: 12V, 1250mA DC

Product Code: X-DG-Q

Product Code: X-DG-MSA (Mic Stand Adaptor)

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