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**PCBB<sup>2</sup>**



Cueing and Presentation Control Specialists

## Introduction

PCBB<sup>2</sup> is a multipurpose audio interfacing tool especially designed to address a multitude of audio needs in the professional AV market.

### Features include:

- Stereo to Mono Switch.
- Bandwidth 20Hz to 20KHz. Signal levels up to 5V P-P, approx. 600 Ohm impedance output and 1000 Ohm input
- Bi-directional balancing - simple conversion of unbalanced stereo audio to balanced stereo, in either direction.
- Output Pad from -2dB/ -35dB.
- Earth (Ground) lift - switchable grounding on outputs to cure induced hum or cross-talk effects.
- Passive adaptor - no external or battery power required.
- Input fixed cable 3.5 mm mini jack.

### ***PCBB<sup>2</sup>—Simple Balancing and hum free connectivity***

We hope that PCBB<sup>2</sup> exceeds your expectations and welcome any feedback that you have about this or any of our products.

Thank you.

The Interspace Industries Team  
www.interspaceind.com

## Operating Instructions

Connect to your audio device such as iPod, Phone, Mac or PC computer audio, or headphone out, with the mini jack. Connect to your Audio system via the XLR connectors—set the switches to you particular installation by trial and requirement.

PCBB<sup>2</sup> is totally passive - no batteries or external power supply is required. It provides a simple means of connecting a computer or consumer audio source to a professional sound system.

### Pad Switch

Ideal for interfacing line to mic levels in either direction, the pad switch will attenuate the audio level between input and output by approx 35dB via a resistive T network.

### Earth Lift

Using PCBB<sup>2</sup> it is possible to isolate the computer or consumer audio source device earth system to defeat possible hum loops. When using the Earth (Ground) lift feature it is essential however that the receiving equipment (i.e. the sound desk) has a reliable balanced input earth.

### Stereo / Mono

This allows the combining of both left and right stereo channels via an internal resistive network to protect the source device (output drivers). 600ohm high bandwidth audio transformers provides a fully balanced output.

## DECLARATION OF CONFORMITY

We declare under our sole responsibility that the product

PCBB<sup>2</sup>

Conform to the following standards:

EN 62368-1:2014 Audio/Video, Information ,  
Communication technology equipment—Part 1: Safety Requirements  
EN 55103-1:2009 (Emissions) / EN 55103-2:2009 (Immunity)



David J Humphrys, CEO  
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Date: july 2017

## Environmental

**WEEE and RoHS2 Compliance.** PCBB<sup>2</sup> and its associated accessories have been manufactured and sold in accordance with the requirements of the EC WEEE and RoHS2 directives. Please return all end-of-life items to your supplier, or Interspace Industries directly, for appropriate disposal.