

# USB Bal Box

## User Manual



**interspace  
industries**

Cueing and Presentation Control Specialists

## Introduction

**USB Bal Box** 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 90Hz to 18KHz. .
- Output Pad from -0dB/ -20dB. (later versions)
- Earth (Ground) lift - switchable grounding on outputs to cure induced hum or cross-talk effects.
- USB powered .
- Input USB B type.
- Supplied USB A-B cable.

## Operating Instructions

**USB Bal Box.** 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 the pad switch will attenuate the audio level between input and output by approx 20dB via a resistive network.

### Earth Lift

Using **USB Bal box** 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 transformer provides a fully balanced output

## Federal Communications Commission

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

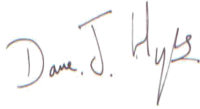
### DECLARATION OF CONFORMITY

We declare under our sole responsibility that the product

### USB Bal Box

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)**



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## ***USB Bal Box– Digital Audio Balancing Unit***

We hope that USB Bal Box exceeds your expectations and welcome any feedback that you have about this or any of our products.

Thank you.

The Interspace Industries Team

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