

PXB

User Manual



**interspace
industries**

Cueing and Presentation Control Specialists

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Introduction

PXB is a high bandwidth multipurpose audio interfacing tool designed to address a multitude of audio needs in the professional AV market.

Features include:

- Phono and XLR input options - ideal for interfacing consumer or computer audio sources.
- High bandwidth 30Hz—35Khz +/- 1.5dB with an insertion loss of approx 2dB.
- Bi-directional balancing - simple conversion of unbalanced stereo audio to balanced stereo, in either direction.
- -20dB pad switch - attenuation in case of needing to switch between line and mic levels.
- Stereo to mono switch - simple conversion of stereo to mono.
- Ground lift - switchable grounding on outputs to cure induced hum or cross-talk effects.
- Passive adaptor - no external or battery power required.

PXB - The AV Professional's Toolkit!

We hope that PXB 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

Safety Instructions

All the safety and operating instructions should be read before this product is operated and should be retained for further reference. Please adhere to all the warnings on this product and in these operating instructions. Please follow these instructions carefully:

Keep Away From Harmful Substances. To prevent the risk of electric shock and fire, do not expose this device to rain, humidity or intense heat sources (such as radiators or direct sunlight). Avoid using this equipment in environments where there is excessive heat, dust, moisture, chemicals, vibration or mechanical shocks.

Cables, ensure all cables that are used with this unit are used with this nature are fit for there purpose PXB is passive and should not be connected to anything but audio level

- **DO NOT IMMERSE IN WATER.**
- **DO NOT CONNECT TO MAINS POWER**

If you have any queries regarding these safety instructions or how to maintain the unit, please do not hesitate to contact us on:

+44(0)1462 600101

Servicing. Do not attempt to service this product yourself. Opening or removing covers and screws may expose you to electric shocks or other hazards. Refer all servicing to qualified service personnel.

Environmental

WEEE and RoHS Compliance. Indicator² and its associated accessories have been manufactured and sold in accordance with the requirements of the EC WEEE and RoHS directives. Please return all end-of-life items to your supplier, or Interspace Industries directly, for appropriate disposal.

Packaging Materials:

Cardboard box:	Grade 150 K/T 'B' (Single Walled Corrugated - Brown Kraft)
Protective Foam:	Grade HLB 22 Grey Foam (High Load Bearing)

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

PXB

Conform to the following standards:

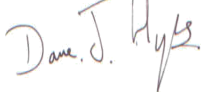
BS EN 61000-6-3:2001

BS EN 61000-6-3:2001

Following the provision of:

The Low Voltage Directive 73/23/EEC and
The Electromagnetic Compatibility Directive 89/336/EEC

Issued on: Date 22 Feb. 06



Dave Humphrys
Managing Director, Interspace Industries Ltd

Operating Instructions

PXB is a 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.

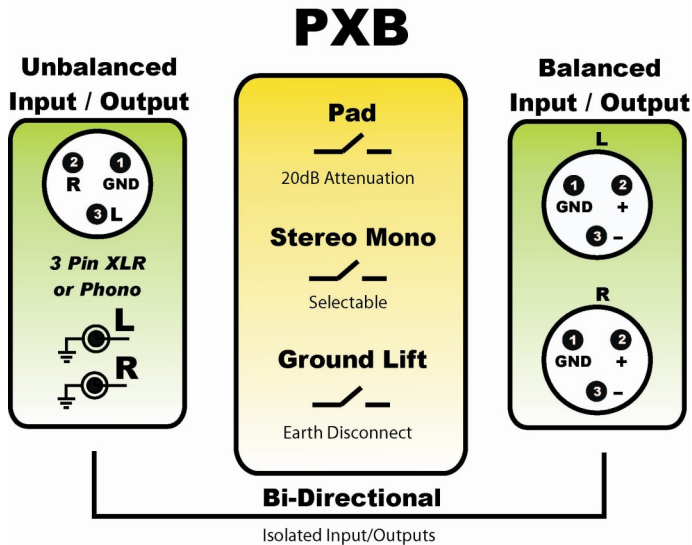


Fig 1. Connection Diagram

Pad Switch

Ideal for interfacing line:mic levels in either direction, the pad switch will attenuate the audio level between input and output by approx 20dB via a resistive network.

As this unit is passive, it is possible to use it as a line level input to computers with a 3.5mm stereo jack microphone input. This will need to be checked thoroughly first however. Ensure the pad switch is 'on' and the unbalanced input on the **PXB** is connected to the computer mic input. Balanced audio can then be connected from the sound desk to the output of the **PXB**. This will enable balanced transmission to unbalanced reception, thereby reducing line-induced hum.

Stereo / Mono Switch

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

Earth Lift

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

For Technical Support or Sales Enquiries:

Interspace Industries Head Office:

+44 (0) 1462 600101

Emergency Technical Support Hot Line:

+44 (0) 7976 385 046

Website:

www.interspaceind.com



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