PXB

User Manual

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Cueing and Presentation Control Specialists

Contents

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:

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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.

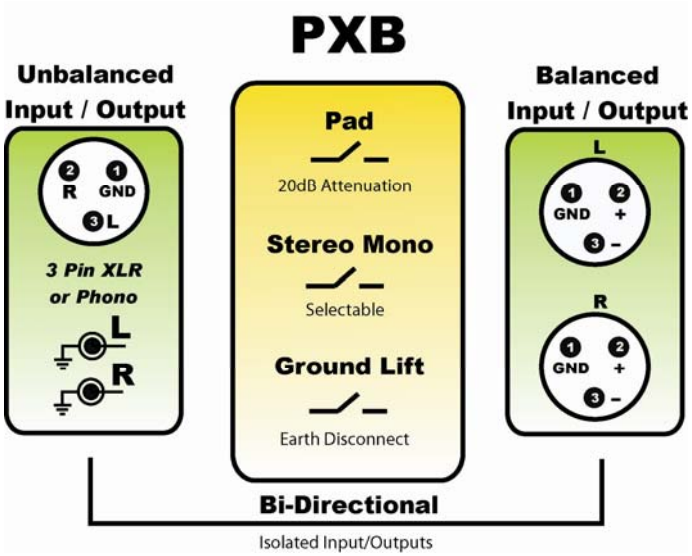

Fig 1. Connection Diagram

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.

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 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:

Power. Only use the power source indicated on the device. Devices equipped with a grounded plug should only be used with a grounded type outlet. In no way should this grounding be disconnected, modified or suppressed.

Power Supply Cord (where applicable). To unplug the device, do not pull the power supply cord but always the plug itself. The power source outlet should always be near the MasterCue main unit and easily accessible. Ensure the power supply cord cannot be walked on or damaged by items placed on or against it. Do not use if the power supply cord is damaged. Using the device with a damaged power supply cord may expose you to electric shock or other hazards. Check the condition of the power supply cord regularly. Contact your dealer or service centre immediately for a replacement if damaged.

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.

Slots and Openings. These are designed into the device for ventilation and to avoid overheating. Always ensure these openings remain clear. Do not attempt to insert anything into these openings under any circumstances. If liquids have been spilled on, or objects have fallen into the product it must be checked by a qualified technician before re-using.

Connections. All inputs and outputs (except for power input) are TBTS defined under EN60950.

- **DO NOT OPEN SYSTEM DUE TO POSSIBLE HIGH VOLTAGE.**
- **DO NOT IMMERSE IN WATER.**

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)870 770 8088

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.

Federal Communications Commission

NOTE: This equipment has been tested and found to comply with the limits of a Class A digital device, Pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at their own expense.