

## Specifications

### AV DI

<b>Input Impedance</b>	47K Ohms unbalanced
<b>Max Input Level</b>	Line +8 dB with Pad switch Out, + 28dB with Pad switch In
<b>Gain through Unit</b>	6dB, Pad switch Out.
<b>Output Noise</b>	-90 dB Unweighted -97 dB 'A' weighted, inputs loaded
<b>Frequency Response</b>	20 - 20 KHz $\pm$ 0.3 dB
<b>Power</b>	Phantom Power from mixing console; 12 - 15 VDC from external supply, wired outer sleeve -, inner +
<b>Input Connectors</b>	Left and Right RCA (phono) connectors, plus Tip-Ring-Sleeve Mini Jack
<b>Output Connectors</b>	Dual 3 pin XLR wired Pin 1 Ground, Pin 2 + Hot, Pin 3 - Cold.
<b>Construction</b>	All-steel powdercoated chassis, fibreglass PCB, epoxy printing

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#### Did you know...

As well as the **AV-DI**, ARX manufacture other products in the unique Audibox range:

The **ISO-Balancer** for balancing unbalanced signals, and also the **ISO De-Balancer**, which will de-balance a signal when required to connect to an unbalanced input.

The **ISO-Later** is a Dual channel Unbalanced to Balanced Low Impedance transformer isolated converter, and the **ISO Splitter** is a transformer isolated 1 input to 2 outputs splitter for splitting 1 input 2 ways in applications where complete Galvanic isolation is required.

Both available in Single Channel or Double Header format.

The **Ear Driver** is a Headphone Amplifier with 2 pairs of Stereo inputs each feeding two channels of headphone level outputs. It has individual Level controls plus a 12 - 15VDC power connector. A compact, flexible unit

The **Pro-DI** is an ultra compact Active Direct box, with normal High Impedance input as well as a separate speaker level input for connection to instrument amplifiers.

Other features include -20dB Pad and Audio Ground Lift switches,

plus Phantom or DC power options.

Available in Single Channel or Double Header format

The **DI-Pre** is an Ultra compact Microphone Pre amp with XLR input, balanced jack output and 10 to 60dB Gain control.

Other features include -20dB Pad switch, Clip LED and Phantom Power switch, plus DC power connector.

Available in Single Channel or Double Header format

For the latest information on the complete Audibox range, visit our website:

[www.arx.com.au/audibox.htm](http://www.arx.com.au/audibox.htm)

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## Using your Audibox

The AV-DI is a Direct Injection, or Direct, box. It is a self contained, stand alone stereo unit designed to interface a left and right pair of unbalanced high impedance lines with professional balanced low impedance inputs. In other words, it will convert consumer audio signals into ones that are happy to travel down a long line and meet a mixing console at the other end. It has many applications for Live Sound, Studio or Broadcast use.

### Typical input types are:

- Consumer audio products - MP3 players, laptop computer sound cards, CD players, audio from DVD players, cassette decks, tape decks, VCR audio and more

### Operating instructions

**Input Connections** A stereo high impedance source (instrument, unbalanced lines or similar) plugs into Inputs A and B (typically Left to A and Right to B). Pushing the Pad switch IN will reduce both input levels by -20dB if required.

Special Note. The AV-DI is a Line level device, so it is not designed to accept Microphone level signals.

**Output Connections** Connect a balanced microphone lead from each 3 pin XLR connector on the

AV-DI to a pair of input channels on the mixing console. Pan the channels Left or Right as required.

The full-time Soft Ground connection Grounds both Pin 1 outputs of the AV-DI through a resistive network to prevent Ground Loops.

### Power Requirements

The AV-DI is an active device, *i.e.* it needs power to run. This power can be supplied 2 ways:

- **Phantom power:** The AV-DI will also run on Phantom power if available on the console. Switch the Phantom power ON on the channel(s) the AV-DI is plugged into, and the Phantom power LED will light up on the AV-DI to show that it is running on Phantom power.

- **External 12 - 15 V DC power:** The AV-DI has a DC input connector for running the unit on an external 12 - 15 V DC power supply. Any 12V DC wall connector capable of supplying 200 mAmps will work, although for greatest headroom we recommend the Audibox PSU which can supply 15 V DC to multiple Audibox devices.

Note the wiring of the connector: the outer sleeve is -, the inner is +.

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## INTERNATIONAL LIFETIME WARRANTY

ARX Systems (ARX) warrants to the first purchaser of this Audibox product that it is free from defects in materials and workmanship under normal use and service. ARX's sole obligation under this warranty shall be to provide, without charge, parts and labour necessary to remedy defects, if any, which appear within twelve (12) months from date of purchase; and to supply parts only for the life of the product to the original purchaser.

This is our sole warranty. It does not cover finish or appearance items, nor does it apply if the Audibox has been, in ARX's sole judgement:

- Subjected to misuse, abuse, negligence or accident;
- Repaired, worked on, or altered by persons not authorized by ARX,
- Connected, installed, adjusted or used otherwise than in accordance with the instructions supplied by ARX.

This warranty gives you and us specific legal rights, and you may also have other rights which can vary from state to state.

To obtain warranty service for your Audibox, call, write, or Email to ARX or the dealer you purchased it from. They will give you the correct address to send your unit to. Have your sales receipt showing date of purchase handy, and include a copy of it with your Audibox. Please pack the unit well - we are not responsible for any damage caused by unsuitable packing during shipment. Send the unit to us pre-paid, by a delivery service like FedEx, UPS, or any other service that can track the shipment. We will return it to you freight paid. If you have any questions, or any part of this is unclear, please write to ARX Systems in the country of purchase, or to the address below.

PO Box 15, Moorabbin, Victoria 3189, Australia. Phone: +61 (0)3 9555 7859 Fax: +61 (0)3 9555 6747

You can Email the factory at: [info@arx.com.au](mailto:info@arx.com.au)

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Owner's Manual



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Thank you for choosing this Audibox product from ARX. We hope you enjoy using this unique product as much as we enjoyed creating it.

As with all ARX equipment, it has undergone extensive factory testing and 'burn in' before shipping.

To ensure continued trouble free use, please familiarise yourself with the contents of this manual before using.

**All models in the Audibox range** feature the same heavy duty all-steel chassis finished in attractive matt blue textured powdercoat, with hardwearing epoxy screen printing and large slip resistant rubber foot pads.

By their very nature these units are compact and portable; to protect your investment we've added numerous security features including a slot for computer lock, and the option of a permanent table mounting kit.

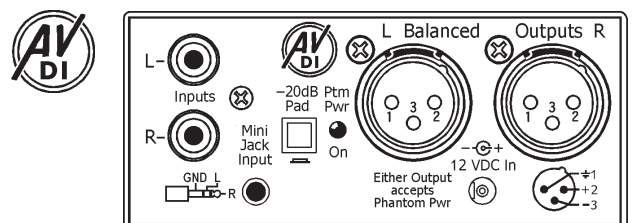
A rack mount kit is also available to rack up to 3 units plus power supply in 1 RU

**The AV-DI**

A Stereo AudioVisual Active Direct box, with dual RCA or stereo mini jack input and dual XLR outputs. Ideal for interfacing consumer audio (especially computer sound cards) with professional systems.

Other features include full-time soft audio ground, -20dB Pad, plus Phantom or DC power options.

Available in Dual Channel format only



**The AV-DI**

Connections and Controls:

Dual Unbalanced RCA inputs and stereo mini-jack; Balanced XLR Outputs. -20 dB Pad switch, Phantom Power LED illuminates when the unit is running from Pantom Power. 12 - 15 V DC power connector for running from external power supply

Available in Dual Channel format only