
ISO Later

Input Impedance	600 Ohms
Output Impedance	600 Ohms
Frequency Response	20Hz - 20 KHz \pm 0.1dB
Maximum Output Level	+ 24dBm
THD at Max Output	0.2% 30 Hz - 20KHz
Insertion Loss	0.75dB @ 1 KHz (600 Ohm source & load)
Input Connector	3 pin female XLR wired Pin 2 + Hot, Pin 3 – Cold
Output Connector	3 pin male XLR wired Pin 2 + Hot, Pin 3 – Cold. Audio grounds are unconnected. Chassis Ground is connected to Output Pin 1
Construction	All-steel chassis, fibreglass PCB, ultra low noise audio transformer

ISO Splitter

Input Impedance	300 Ohms
Output Impedance	2 secondaries @ 600 Ohms each
Frequency Response	20Hz - 20 KHz \pm 0.1dB
Maximum Output Level	+ 20dBm
THD at Max Output	0.2% 30 Hz - 20KHz @ 20dBm
Insertion Loss	1.6dB @ 1 KHz (600 Ohm source & load)
Input Connector	3 pin female XLR wired Pin 2 + Hot, Pin 3 – Cold Chassis Ground is connected to Input Pin 1
Output Connectors	3 pin male XLR wired Pin 2 + Hot, Pin 3 – Cold. Audio grounds are unconnected.
Construction	All-steel chassis, fibreglass PCB, ultra low noise audio transformer

Did you know...

As well as the **ISO-Later** and the **ISO-Splitter**, 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 **AV-DI** is a stereo AudioVisual Active Direct box, with dual RCA and stereo mini jack inputs plus dual XLR outputs. Ideal for interfacing consumer audio (especially computer sound cards) with professional systems.

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

Using your Audibox

The ISO-Later is designed to be inserted into the audio signal chain to fully isolate the audio signal and to float the audio Ground. It is a self contained, stand alone single or dual channel unit with a balanced female 3 pin XLR input and a balanced male 3 pin XLR output. It will have applications in Live Sound, Studio or Broadcast use.

The ISO-Splitter is designed to be inserted into the audio signal chain to fully isolate the audio signal, float the audio Ground and split the output. It is a self contained, stand alone single or dual channel unit with a balanced female 3 pin XLR input and two balanced male 3 pin XLR output. It will have applications in Live Sound, Studio or Broadcast use.

Power Requirements

None. The ISO-Later and ISO-Splitter are passive iso-transformer coupled devices, *i.e.* they don't need power to run.

Please note that it is advisable to power down the system before connecting the ISO-Later or the ISO-Splitter, to avoid the risk of sending large electrical and signal noises through the system when disconnecting and re-connecting

About Ground/Earth Loops

A short primer

Ground loops are caused or occur when the ground connection in the electrical mains power system is duplicated by connections of different impedance or resistance. This difference causes an induced potential difference or voltage to either be produced or flow between the various pieces of equipment connected.

This phenomenon brings about the effect we perceive as a HUM.

Transformer Isolation

By inserting a high quality audio transformer (such as those used in the ARX Audibox range) into the signal chain we are able to break the Pin 1/ Sleeve Audio Ground / Earth connection, eliminating any Earth loop induced hums.

For safety and noise reasons you should ensure that both sides of the signal chain are properly Grounded/ Earthed

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

Owner's Manual



ARX Systems Pty Ltd, PO Box 15,
Moorabbin, Victoria 3189, Australia
Phone: (03) 9555 7859 Fax: (03) 9555 6747
International Fax: +61-3-9555 6747
On the Net: www.arx.com.au
Email: info@arx.com.au

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.

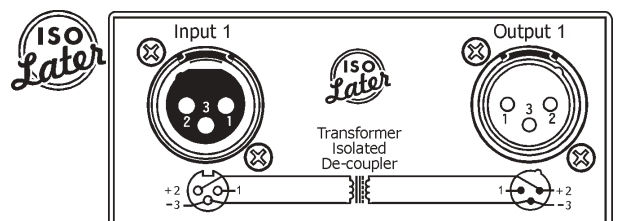
A rack mount kit is also available to rack up to 3 units plus power supply in 1 RU

The ISO-Later

A transformer isolated de-coupler, for removing Ground loops and for use in applications where complete Galvanic isolation is required. Balanced XLR Input and Output. Available in Single Channel or Double Header format

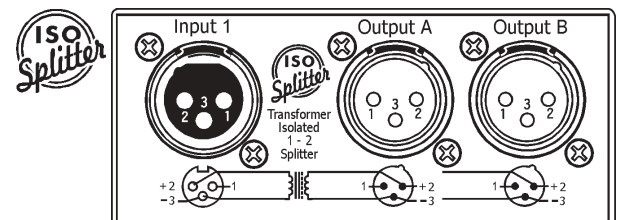
The ISO-Splitter

A transformer isolated 1 input to 2 outputs splitter for splitting 1 input 2 ways in applications where complete Galvanic isolation is required. Balanced XLR Input and Outputs. Available in Single Channel or Double Header format



The ISO-Later

Connections:
Balanced XLR Input and Output.
Available in Single Channel or Double Header format
Double Header models will have a second channel with identical connections on the rear panel of the unit



The ISO-Splitter

Connections:
Balanced XLR Input and 2 balanced XLR Outputs.
Available in Single Channel or Double Header format
Double Header models will have a second channel with identical connections on the rear panel of the unit