MODE 1 - REMOTE SWITCH or RELAY CLOSURE

EXTERNAL DC POWER SUPPLY
12 – 24 VDC

INPUTS A
INPUTS B
OUTPUTS

PIN 1
PIN 2
RELAY

MODE 2 -EXTERNAL DC VOLTAGE CONTROL (e.g EWIS Panel)

+12 – 24 VDC   PIN 3
0 VDC   PIN 4

INPUTS A
INPUTS B
OUTPUTS

RELAY

Setting up your Remote Switcher

The new ARX Remote Switcher silently switches between two pairs of A or B female XLR inputs to a stereo pair of XLR male output connectors.
ARX 'SoftSwitch' technology achieves this with no loud bangs through the audio system when switching.
Input Channel control can be selected in 2 ways:

Mode 1
Remote switch / relay closure (using an external power pack / wall wart),

Mode 2
12-24VDC supplied from an EWIS panel or similiar.

With no DC voltage applied, Input A, the default normal audio signal is selected.
When +12 – 24VDC is applied to Pins 3 and 4 on the Dinkle type connector, then Input B, carrying Emergency announcements, alarm signal etc is selected.
Typical applications include Remote Switcher externally controlled stereo input signal switcher, for use in EWIS (Emergency Warning and Intercommunications System) emergency announcements, plus Console Switching and remote control of signal sources in Broadcast applications.
Another useful application is remotely switching between Live Band or DJ when both are using the same Audio Speaker system.

EWIS is becoming mandatory for most new and upgraded commercial buildings and public spaces. The ARX Remote Switcher is a cost effective solution for noiseless and instantaneous switching between normal audio program and EWIS emergency announcements

Technical Specifications

Frequency Response:
10 - 50 KHz ± 0.0dB

Power Requirements:
DC Input +12 – 24 VDC
Connector 2.5mm centre pin

Remote Switch and External Input:
4 Pin Dinkle type socket, 5mm pin spacing. Connector supplied with unit

Pin 1 and 2 Remote Switch
Open Input = Channel A selected
Closed Input = Channel B selected

Pin 3 and 4 Remote DC control
Pin 3 +12 - 24VDC
Pin 4 0VDC / Ground

Connections:
Input Connectors:
Female XLR, Wired Pin 1 Audio Ground, Pin 2 + Hot, Pin 3 – Cold

Output Connectors:
Male XLR, Wired Pin 1 Audio Ground, Pin 2 + Hot, Pin 3 – Cold

Chassis Ground/Earth:
Via Pin 1's on Left Channels

Construction:
All-steel polyurethane coated chassis, fibreglass PCB, non-slip rubber base pad

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Did you know...

As well as this **Remote-Switcher**, ARX manufactures other products in the unique Audibox range:

The **USB DI** will take Left and Right digital audio from the USB connector of a computer, and effortlessly convert it to two channels of transformer balanced and isolated analog audio, suitable for running into a mixer.
The **USB DI-VC** is the same unit with the useful addition of an output volume control. The **USB I/O** adds the ability to record as well, and the **USB IO-VSR** lets you record at 96 KHz for true Hi Definition audio.

The **BLUE DI** is a new wireless audio interface that uses the Bluetooth protocol.
What does it do?
With this useful device you can wirelessly use your Smartphone, Tablet, or a Bluetooth enabled PC / Mac to effortlessly bring pre-recorded audio into professional systems.
The **Blue DI**'s intuitive layout uses switches and status LEDs to keep you in full control of what's going on at all times.

The **Pro-D**I 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

For the latest information on the complete Audibox range, visit our website:
www.arx.com.au/audibox.htm

N1819
Manufactured in Australia

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.
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Phone: +61 (0)3 9555 7859 Fax: +61 (0)3 9555 6747
You can Email the factory at: info@arx.com.au

Audibox™
REMOTE Switcher

Owner's Manual

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www.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.

Remote Switcher rear panel
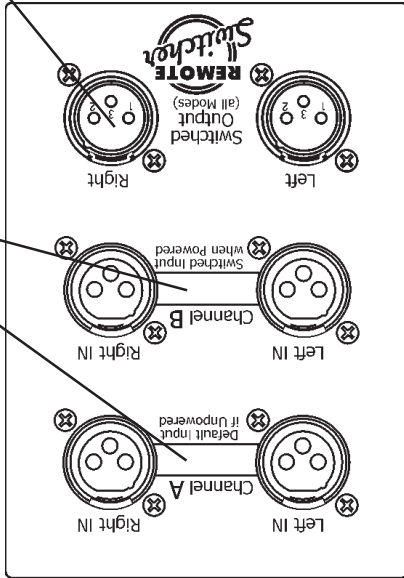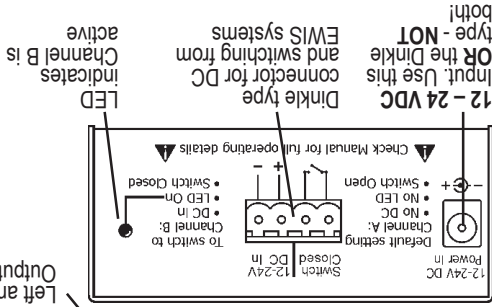
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www.arx.com.au ®

The REMOTE Switcher

The simplest ideas are usually the best! The new ARX Remote Switcher is a remotely controlled stereo Input switcher for the extremely popular **Audibox** range.

It silently switches a stereo signal between two pairs of A or B female XLR inputs to a stereo pair of XLR male output connectors.

ARX 'SoftSwitch' technology achieves this with no loud bangs through the audio system when switching.

Typical applications include EWIS (Emergency Warning and Inter-communications System) emergency announcements, Console Switching and remote control of signal sources in Broadcast applications. It's also very useful for switching between Live Band or DJ when both are using the same speaker system.

A or B remote signal switcher

Default L and R Inputs A will go straight to Output, even in power-loss situations

L and R inputs B will go to the Output when 12 – 24 VDC is applied and switched, either by an external supply (wall-wart) or by an EWIS panel. LED indicator will light up to show Channel B is active. Remove the power or switch off to return to the A Channel

Left and Right XLR Output connectors

REMOTE Switcher

Channel A
Left IN   Right IN
Default Input if Unpowered

Channel B
Left IN   Right IN
Switched Input when Powered

Switched Output (all Models)
Left   Right

Power In
12-24V DC
Switch 12-24V Closed DC In

Default setting
Channel A:
• No DC
• DC In
• No LED
• LED On

Switch Open
Switch Closed
Channel B:
To switch to

Check Manual for full operating details

12 – 24 VDC Input: Use this connector for DC and switching from EWIS systems

Dinkie type Input. Use this OR the Dinkie type - NOT both!

LED indicates Channel B is active