INTERNATIONAL LIMITED WARRANTY

ARX Systems (ARX) warrants to the first purchaser of any ARX equipment 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 for a further twelve (12) months supply parts only.

This is our only warranty. It does not cover finish or appearance items, burned voice coils, or if the equipment 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 for a purpose other than that for which it was designed. This includes connecting the unit to the wrong AC power.

This warranty gives you and us specific legal rights. Please note that different countries and states may also have other rights which may apply.

Warranty Service Procedure

Should it become necessary to have your equipment serviced under the terms of the warranty, please follow these steps:

1. Contact ARX or your dealer/distributor for a Return Authorization (RA) number;

2. *Carefully* repack the unit, in its original packaging where possible, including a note with a description of the problem, and **a copy of the receipt showing date of purchase.** Attach these to the actual unit itself. Don't forget to write your name and address clearly, and include a phone number where you can be contacted during normal business hours, or your Email address. Make it easy for our service technicians to contact you if they have a question. Also, use *plenty* of packing material - better to be safe than sorry.

3. Send the unit freight prepaid to ARX Systems, at the address given you with your RA number. We will pay the return freight when the serviced unit is returned to you.

4. We strongly recommend you insure the package. We can't fix it if it gets lost! Send it by UPS, Fedex, DHL or any similar service that can track the package. Parcel Post is *not* recommended unless trackable.

If Warranty Registration Card is missing, please write to ARX in the country of purchase, stating model and where purchased, or to ARX, PO Box 15, Moorabbin, Victoria 3189, Australia.

Or you can Email us at: info@arx.com.au

OWNER'S MANUAL

i-Switch™

10 Channel
Line Switcher

ARX Systems Pty Ltd, PO Box 15, Moorabbin, Victoria 3189, Australia
On the Web: www.arx.com.au
Email: info@arx.com.au

ARX
www.arx.com.au ®

⚠ IMPORTANT - PLEASE READ THIS FIRST ⚡

THIS IS A DUAL VOLTAGE UNIT. IT IS ESSENTIAL THAT YOU CHECK THAT THE VOLTAGE ON THE FUSEHOLDER COVER BELOW THE AC CONNECTOR ON THE REAR OF THE CHASSIS IS SET CORRECTLY BEFORE CONNECTING IT TO AC POWER.

THIS IS SET FOR 100 V AC TO 120 V AC OPERATION

THIS IS SET FOR 220 V AC TO 240 V AC OPERATION

To change, pull fuseholder out and rotate 180°, then push in again. Do not insert power cable into unit until voltage has been correctly set. Do not connect power cable to AC power until voltage has been correctly set

WARNING SYMBOLS USED ON THIS EQUIPMENT

⚠ This symbol is intended to alert you to the presence of important operating instructions contained in this owner's manual

⚡ This symbol is intended to alert you to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.

This symbol indicates that a Slow Blow fuse is used in this equipment. Replace with same type and value only

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

⚡ TO PREVENT ELECTRIC SHOCK, DO NOT REMOVE COVER OR BACK OF UNIT
NO USER-SERVICEABLE PARTS INSIDE
REFER SERVICING TO QUALIFIED PERSONNEL.

WARNING
TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

ATTENTION
RISQUE DE CHOC ÉLECTRIQUE - NE PAS OUVRIR

Manufactured in Australia

Complies with 89/336/EEC EMC Directive, amended by 92/31/EEC and 93/68/EEC; meets the following standards:EN 55013 : 1990, Sections 3.2 and 3.5, EN 55020 : 1988, Sections 4.3, 5.4, 6.2, 7.0, 8.0., and EN 60950 : 1994 Low Voltage Directive

Complies with Australian Standard AS/ N25 1053

Our policy is one of continuous improvement, and therefore designs may change without notice. However, unless otherwise stated, specifications will always equal or exceed those previously given.

RoHS   CE   EAC   C-tick

Specifications

Gain
Off to +6dB

Input A and B Impedance
40 KOhm

Input Headroom
+21dB

Outputs 1–10 Impedance
100 Ohm

Output Level (Max)
+26dB

Frequency Response
10Hz – 20KHz ±0.25 dB

Signal to Noise ratio
–96dB Unweighted
–102dB 'A' weighted

Distortion @ *Unity Gain*
.0025% THD, 0dB @ 1 KHz

Dynamic Range
122 dB

Input Connectors
Balanced Tip-Ring-Sleeve jack, wired Tip
+, Ring –, Sleeve Audio Earth/Ground

Output Connectors
Balanced Tip-Ring-Sleeve jack, wired Tip
+, Ring –, Sleeve Audio Earth/Ground

Staus Indicators
Input A or B LEDs, Outputs 1–10 LEDs

Power Requirements
100-120/220-240 V AC
50/60 Hz 8VA (8 watts)
on 3 pin IEC connector

Weight
5 lbs/2.2 Kg

Dimensions
19"W x 1¾"H x 6"D
482 x 44 x 155mm
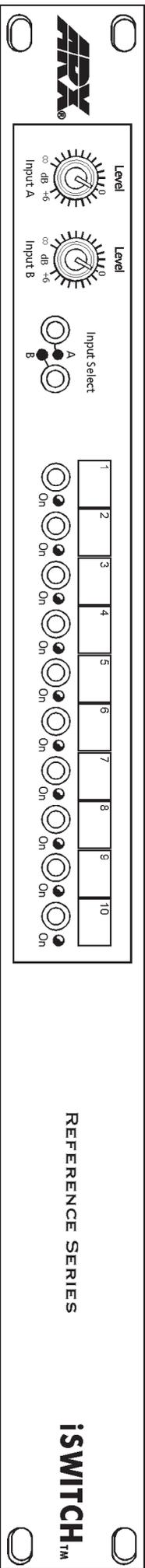
Complete online documentation is available at our website:
www.arx.com.au/worldwide/i-switch.htm

Specific queries can be emailed to the factory at
info@arx.com.au
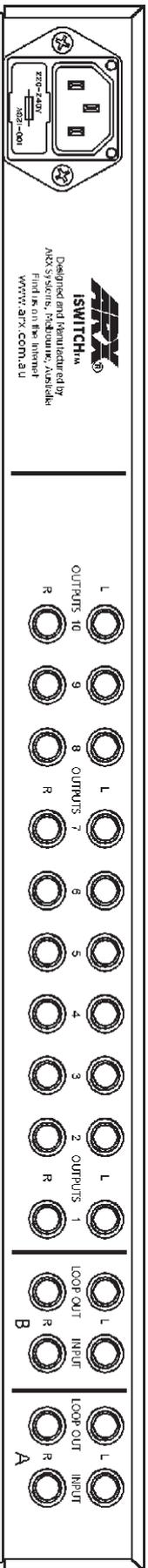
www.arx.com.au ®   ARX

REFERENCE SERIES

iSWITCH™

- **Channel A** Level control, variable from infinity to +6dB
- **Channel B** Level control, variable from infinity to +6dB
- **Channel A and B** switches and status LEDs

- **10 x Stereo Output** switches and status LEDs
- **10 x Numbered Marker Panels.** A 'scribble-strip' for writing down channel assigns

Input A ∞ dB +6 Level

Input B ∞ dB +6 Level

Input Select A B

1 On 2 On 3 On 4 On 5 On 6 On 7 On 8 On 9 On 10 On

iSWITCH™

Designed and Manufactured by
ARX Systems, Melbourne, Australia
Find Us on the Internet
www.arx.com.au

100-120V
220-240V

OUTPUTS 10 L R
OUTPUTS 7 L R
OUTPUTS 1 L R
10 9 8 6 5 4 3 2

LOOP OUT L R INPUT L R **B**
LOOP OUT L R INPUT L R **A**

- **IEC 3 pin AC connector and integral fuseholder.** Replace fuse with correct value only: 100 - 120 V AC 1 amp, 220-240 V AC 0.5 amp. Please also refer to voltage details on Page 2

- **Jack Output Connectors.** 20(2 per channel) ¼" TRS (TipRingSleeve) balanced output jacks. Wired Tip +, Ring –, Sleeve Ground
- **Channel A and B** Input Jacks with associated Loop Outputs for connecting to other equipment or another **i-switch**

Introduction

Thank you for choosing this **ARX i-switch**. 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.

About the *i-switch*

The **i-switch** is a unique precision piece of test equipment, being able to individually send a choice of two program sources to 10 pairs of powered loudspeakers, making it ideal for batch testing or demonstrating. For example, Channel A could have Pink Noise or a sine wave, and Channel B program material. Interlocking switches prevent more than one Input being selected at a time.

Interlocking switches also prevent more than one Output pair being selected at a time, so that each Output pair can be stepped through by pressing the subsequent switch. A status LED shows which output is currently active.

All Inputs and Outputs are electronically balanced on Tip-Ring-Sleeve jack connectors, and there is a Front panel 3.5mm Mini Jack connector that lets you easily access Input B with an **mp3** player.

Loop outputs allow the Input signals to be looped to additional **i-switch** units, for larger testing arrays to be set up.

The **i-switch's** ultra low noise figures come from extensive use of premium components, plus care and attention to board design and layout. The result is superb, transparent audio quality and the headroom to accurately reproduce the most demanding input signal.

A and B Input Gains are adjustable from Off through to +6 dB via level controls on the front panel. LED status indicators show which Input is currently active.

The unique ARX **i-switch** provides a truly innovative solution to testing multiple powered speaker systems.

Every day, ARX Pro Audio interface products solve audio problems for thousands of people around the world. We know we're obsessive about audio quality, but we're betting that you are too!

Using the *i-switch*

Applications
Individually testing or demonstrating multiple powered speakers or similar devices.

Setting Up
Setting up your **i-switch** is very straightforward and intuitive.

Firstly, connect the unit to AC power.

Please Note:
This is a dual voltage unit. It is **essential** that you check that the voltage on the fuseholder cover below the AC connector on the rear of the chassis is set correctly before connecting it to AC power. See Page 2 for more details on this.

1. Connect your choice of signal to the Balanced TRS jack input connectors of Channels A and B. Keep the levels reduced until all wiring has been checked

2. Connect the outputs of the **i-switch** to the inputs of your powered speakers. Up to 10 pairs can be connected.

3. Power up the speakers

4. Slowly bring up the **i-switch** input levels until the desired volume is reached

5. Step through the output switches and check that each speaker has been connected properly. A status LED will light up to show which speaker is active.

Congratulations - You're ready to go!