

## 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 running a speaker system with the ISC leads disconnected, or with a non-ARX crossover, or with the wrong processor.

This warranty gives you and us specific legal rights and you 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. Call your ARX 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. 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.

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

*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](mailto:info@arx.com.au)*

# **Installer<sup>TM</sup> Series**

## **MaxiMIX**

## **OWNER'S MANUAL**



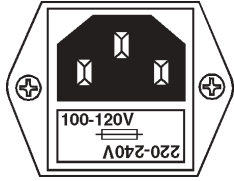
ARX Systems Pty Ltd, PO Box 15,  
Moorabbin, Victoria 3189, Australia  
Phone: (03) 9555 7859 Fax: (03) 9555 6747  
International Fax: +61-3 -9555 6747  
On the Web: [www.arx.com.au](http://www.arx.com.au)  
Email: [info@arx.com.au](mailto:info@arx.com.au)



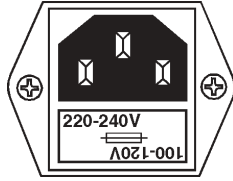
## IMPORTANT - PLEASE READ THIS FIRST



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 plug power cable into 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

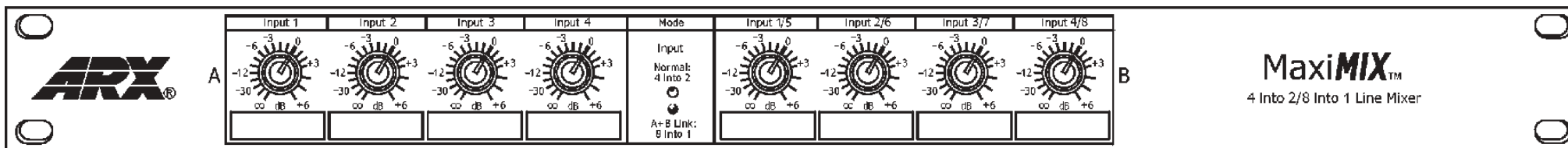
RISQUE DE CHOC ÉLECTRIQUE - NE PAS OUVRIR



Complies with 89/336/EEC EMC Directive,  
amended by 92/31/EEC and 93/68/EEC and  
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.  
Complies with Australian Standard AS/N25  
1053

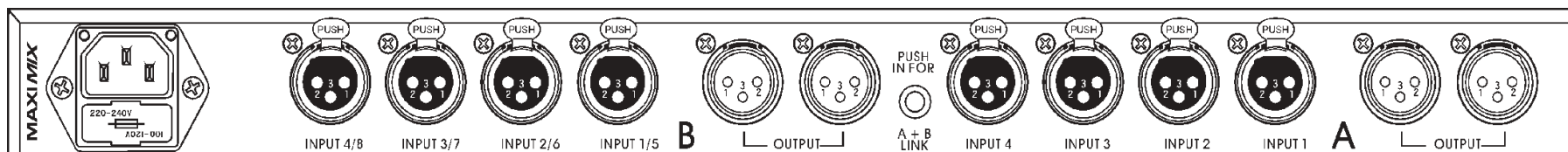
### MaxiMix Specifications

<b>Mode of operation</b>	2 channel 4:1 Line Mixer
<b>Input Impedance</b>	44K Ohms Balanced 22K Ohms Unbalanced
<b>Input Headroom</b>	+21dB
<b>Output Level</b>	+26dB
<b>Output Signal/Noise</b> (@ unity gain)	-95dB unweighted -101dB A weighted
<b>Output Impedance</b>	300 Ohms Balanced 150 Ohms Unbalanced
<b>Dynamic Range</b>	120dB
<b>Frequency Response</b>	20Hz-20 KHz -1dB
<b>Distortion</b> (@ unity gain)	100Hz .0035% 1KHz .0033% 10KHz .0037%
<b>Power Requirements</b>	100/120 V AC 50 - 60 Hz 220/240 V AC 50 - 60 Hz 8 Watts (8 VA)
<b>Input Connector Type</b>	Female XLR
<b>Output Connector Type</b>	Male XLR



### Front panel controls

- Input level controls for channels A and B
- AC power connected indicator LED
- Numbered marker panels for labelling input assigns



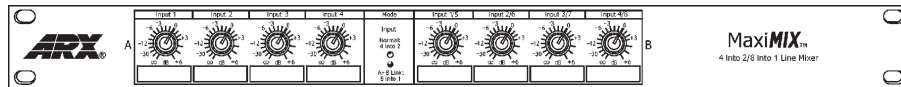
### Rear Panel Connectors

- Balanced XLR Input sockets, four per channel.  
Pin 2 HOT +, Pin 3 Cold -, Pin 1 GROUND
- Balanced XLR Output sockets, 2 per channel (same wiring as Input)
- 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

## Applications

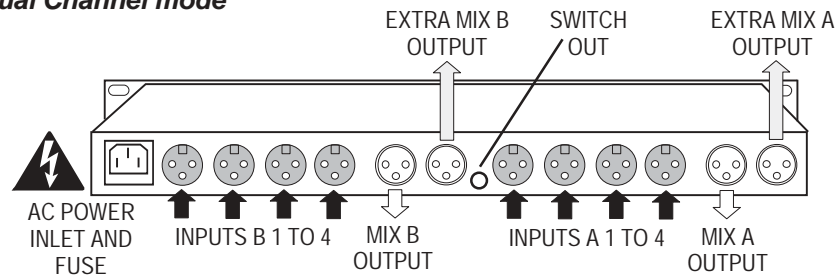
A typical MaxiMix application would be as an Installation Master Mixer, combining Live Band Mix, Disco, KTV and Audio-for-Video signals to run independently of each other through the one speaker system.

Other applications include line sub-mixer for external effects units, and Keyboard, Drum machines or other Electronic Instruments sub-mixer.

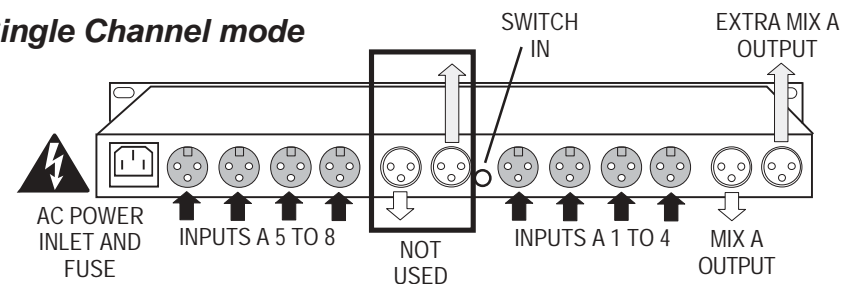


The controls on the front panel correspond to the input connectors on the back, and adjust the mix output levels as required

### Dual Channel mode



### Single Channel mode



## Introduction

Thank you for choosing this ARX MaxiMIX Dual Channel Line Mixer. We hope you enjoy using it as much as we enjoyed creating it. As with all ARX equipment, it has undergone extensive factory calibration and 'burn in' before shipping. To ensure continued trouble free use, please familiarise yourself with the contents of this manual before using the MaxiMIX.

### About the MaxiMIX

For the Installation Contractor, accurately mixing line level audio signals has never been easy. Using the wrong product can lead to lack of headroom, vastly differing input levels, uneven output levels, RF breakthrough - the problems have been seemingly endless.

Until now, that is!

Introducing the MaxiMix from ARX: Two independent mixdown groups, each consisting of 4 line inputs with individual level controls and RF filters.

Each input has up to +6dB of gain available, and full attenuation to allow matching of any line level signals.

Each of the 4 electronically balanced inputs combine into fully balanced Master outputs, each of which has 2 male XLR sockets.

Internally, careful attention to signal path design has resulted in a unit with wide dynamic range, enough headroom to cope with the hottest line signal, and better than digital noise specifications

AC power range is a universal 100 to 120V or 220 to 240V AC, and is connected to the unit via a standard IEC connector, with built-in fuse and voltage change switch.

Accurate and compact, the MaxiMix's unique combination of ultra low distortion, low noise and high headroom makes it the ideal installation line mixer.