

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.
4. 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, Cheltenham, Victoria 3192, Australia.

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

MIX 8 Multi-channel stereo line mixer

OWNER'S MANUAL



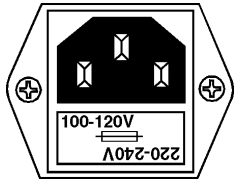
ARX Systems Pty Ltd, PO Box 15,
Cheltenham, Victoria 3192, Australia
Phone: 03 - 9555 7859 Fax: 03 - 9555 6747
International Fax: +61-3-9555 6747
On the Web: <http://www.arx.com.au>
Email: info@arx.com.au



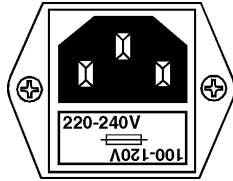
IMPORTANT - PLEASE READ THIS FIRST



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

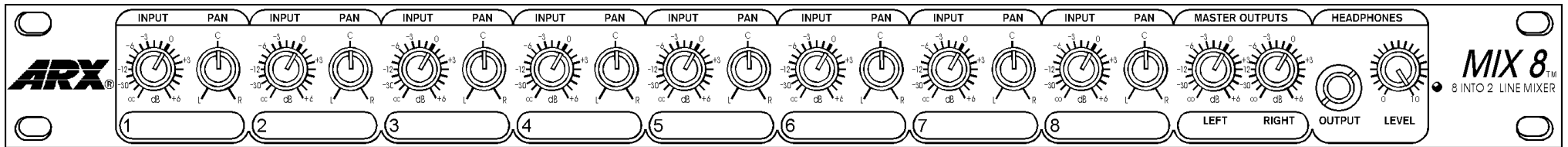
RISQUE DE CHOC ÉLECTRIQUE - NE PAS OUVRIR



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

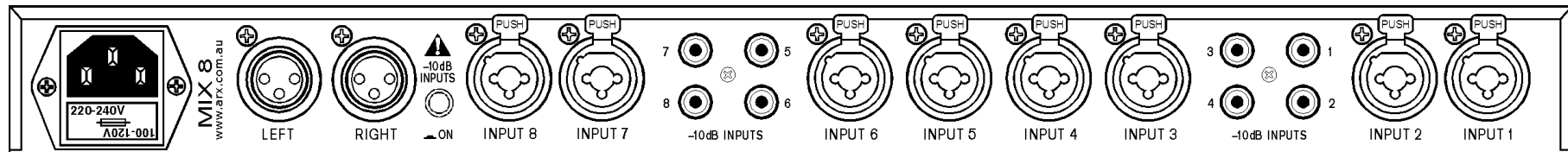
Mix 8 Specifications

Mode of operation	8:2 Stereo Line Mixer
Input Impedance	Balanced XLR/Jack 44 K Ohms Unbalanced XLR/Jack 22 K Ohms Phono (RCA) 10 K Ohms
Input Headroom	+ 21dB
Output Level	+ 27dB
Output Signal/Noise (@ unity gain)	-84dB unweighted -89dB A weighted
Dynamic Range	111dB
Output Impedance	300 Ohms Balanced 150 Ohms Unbalanced
Frequency Response	20Hz-20 KHz ± 0.5dB
Distortion (@ unity gain)	100Hz.004% 1KHz .0042% 10KHz .006%
Input Connector Types	Female XLR, Jack, RCA(phono)
Output Connector Type	Male XLR
Headphone Section	
Output Level (Max)	2 watts
Minimum Load	8 ohms
Level Control	Pre Master Outputs, Pre Master Faders Post Channel Faders
Connector Type	Stereo Jack (Tip L, Ring R, Sleeve Gnd)
Power Requirements	100/120 V AC 50 - 60 Hz 220/240 V AC 50 - 60 Hz 8 Watts (8 VA)
Size	19"W x 6"D x 1¾"H, 482 x 155 x 44mm
Weight	2.2 Kg (5 lbs)



Front panel controls

- Input level controls for channels 1 through 8
- Pan controls for channels 1 through 8
- Numbered 'scribble strip' panels for labelling input assigns
- Master Left and Right Output controls
- Headphone level control and output socket
- AC mains power status LED



Rear Panel Connectors

- Channels 1 - 8 Balanced combo XLR/Jack Input sockets.
Pin 2 HOT +, Pin 3 Cold -, Pin 1 GROUND: Tip +, Ring -, Sleeve Ground
- Channels 1 - 8 Unbalanced RCA (Phono) connectors
- RCA (Phono) connectors Enable switch
- 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

The MIX 8 has a wide range of applications: as a backing track mixer for live digital 8 track playback, Broadcast applications, and as an Installation Master Mixer, allowing all feeds to run independently of each other through the one speaker system.

Other applications include using it as a line sub-mixer for external effects units, an Electronic Instruments sub-mixer; in fact, anywhere that multiple stereo line feeds need mixing, panning and monitoring.

Setting Up

Setting up your MIX 8 is very straightforward and intuitive.

Firstly, make sure all level controls are turned down, then 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.

Connect the signals you wish to mix to the input connectors, and connect the outputs to the next item in the signal chain; e.g. amplifier, mixer, compressor/ limiter, equalizer.

Set the Master level controls on the front panel to a low setting, say 7 or 8 o'clock position. Slowly turn up the levels of the individual channels as required. You can check your signals in the headphones if you are in a low-noise situation; in that case, leave the Master controls turned down until you are ready to go.

Extra Note:

The unbalanced RCA (Phono) connectors will need switching on with the switch on the left hand side of the rear panel if you will be connecting to them. If you don't push this switch in, they won't work.

For the best signal to noise figures, keep the RCA connectors switched off unless you are using them.

And finally, although you can connect just about any kind of line input to the MIX 8, you can't plug a microphone into it. If you need Microphone inputs, we suggest using our MIXX or MIXXMaster units to plug into the MIX 8.

Introduction

Thank you for choosing this ARX MIX 8 Multi-Channel Stereo 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 MIX 8.

About the MIX 8

The **MIX 8** from ARX is the ideal real-world interface for today's 8 track performance playback requirements, and the solution to all multi channel line mixing needs. An 8 into 2 stereo line mixer with individual level controls, pan controls, internal RF filters, and a stereo headphone output for monitoring.

Balanced Inputs and Outputs

Total flexibility is provided by the inclusion of balanced XLR, unbalanced jack and phono (RCA) connectors. Each XLR and jack input has up to +6dB of gain available, while the phono connectors have a nominal input of -10dB with +16dB of gain available to allow matching of any line level signals.

Individual Pan controls allow accurate signal placement in the spatial field.

All inputs mix down to fully balanced Left and Right Master XLR outputs.

Wide Dynamic Range

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

Universal AC Power

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

Accurate and compact, the MIX 8's unique combination of ultra low distortion, low noise and high headroom makes it the ideal compact line mixer.