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, DHL 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

Installer$_{TM}$*Series*

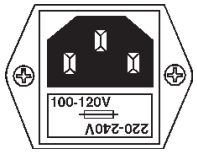
MaxiSPLIT

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
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 connect power cable to AC power until voltage has been correctly set

RoHS

CE N1819

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.

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 ÉLÉCTRIQUE - NE PAS OUVRIR

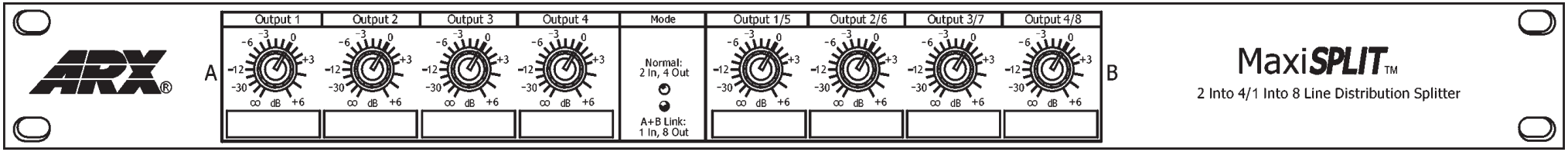
Specifications

Modes of operation	2 channel 1:4 Splitter
	1 channel 1:8 Splitter
Input Impedance	44 KOhms Balanced
	22 KOhms Unbalanced
Input Headroom	+21dB
Output Level	+26dB
Output Signal/Noise	
(@ unity gain)	-95dB unweighted
	-101dB A weighted
Output Impedance	300 Ohms Balanced
	150 Ohms Unbalanced
Dynamic Range	121dB
Frequency Response	20 Hz–20 KHz ±0.5dB
Distortion	
(@ unity gain)	100 Hz .0035%
	1 KHz .0033%
	10 KHz .0037%
Power Requirements	100/120 V AC 50 - 60 Hz
	220/240 V AC 50 - 60 Hz
	8 Watts (8 VA)
Input Connector Type	Female XLR, plus Male XLR Input Loop
Output Connector Type	Male XLR

Complete online documentation is available on the ARX website:
www.arx.com.au/MaxiSplit.htm

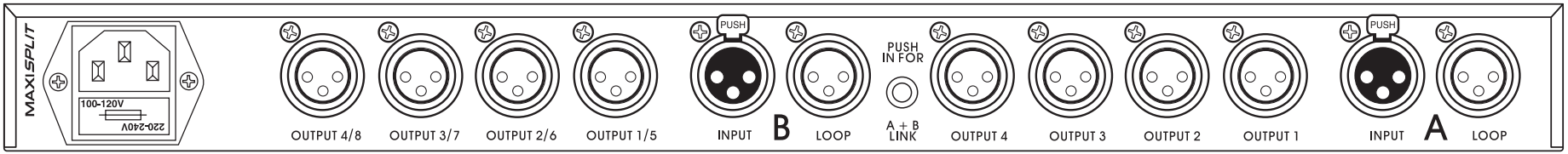
Specific queries can be emailed to the factory at **info@arx.com.au**

ARX www.arx.com.au ®



Front panel controls

- Output level controls for channels A and B
- Indicator LEDs for Normal (Dual Channel) mode or A+B Link (Single Channel mode)
- Numbered marker panels for labelling input assigns



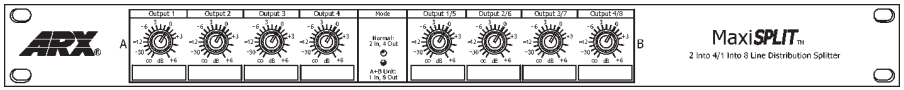
Rear Panel Connectors

- Balanced XLR Output sockets, four per channel.
  Pin 2 HOT +, Pin 3 Cold -, Pin 1 GROUND
- Balanced XLR Input sockets, 2 per channel (same wiring as Input)
- Switch for Normal (Dual Channel) mode or A+B Link (Single Channel) mode
- 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

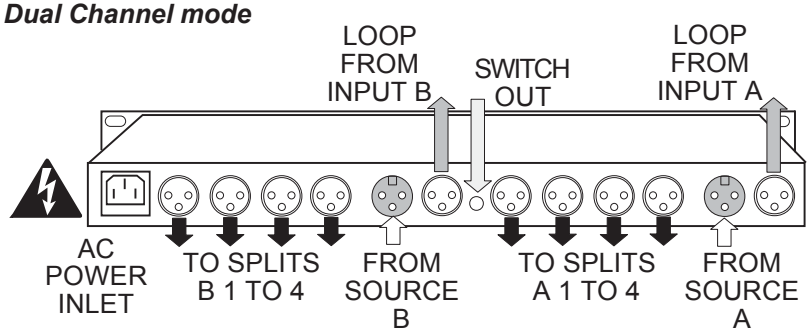
A typical MaxiSplit application would be as a Master Line Distribution Splitter controlling levels of 4 different zones in a stereo installation, or up to 8 different zones in a mono installation.

Other applications include splitting effects sends to multiple effects units in both Studio and Live sound, supplying different feeds from the main signal, and separating OB signals in broadcasting.

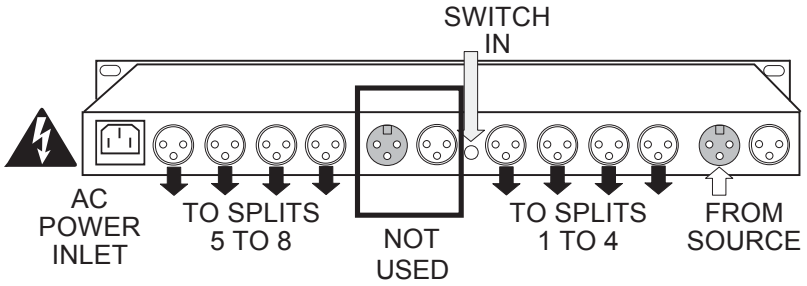


The controls on the front panel correspond to the connectors on the back, and adjust the output level of the splits as required

Dual Channel mode



Single Channel mode



Introduction

Thank you for choosing this ARX MaxiSPLIT Line Distribution Splitter. 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 MaxiSPLIT.

About the MaxiSPLIT

In the modern multi-zone Installation audio environment it has become a fact of life that one signal now has to go to more than one place, and usually at differing levels. And, to ensure a low noise floor and good frequency response, the split signal needs to be buffered and balanced as well.

To fulfil this seemingly simple but important signal splitting task, ARX have designed the Maxi Split: - two independent channels of 1 into 4 Splitters, switchable to a single channel 1 into 8 Splitter, with rear panel channel link switch and front panel LED mode indicator.

Each channel features Male and Female electronically balanced XLR inputs, with passive RF filter to prevent RF breakthrough.

Each output features an electronically balanced Male XLR output with individual output gain control on the front panel, providing up to +6dB of gain.

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 MaxiSplit's unique combination of ultra low distortion, low noise and high headroom makes it the ideal installation line distribution splitter.