



*exposure*<sup>TM</sup>  
high fidelity engineering since 1974

I N S T R U C T I O N   M A N U A L  
M O N O B L O C K   P O W E R   A M P L I F I E R



# M.C.X

## PACKAGED CONTENTS

- a) MCX Power Amplifier
- b) Mains Cable
- c) MCX 'EXLINK' Cable



Exposure recommends a professional installation of this MCX component / system by an authorised Exposure dealer.

# POWER AMPLIFIER



## 12V SWITCHING SOCKETS

There are two 'communications' options for the MCX Power Amplifier - 12V switching or 'EX-LINK.' **Only one should be used at a time.**

Use these 12V switching sockets only when connecting to another (non-MCX) system with a 12V switching facility. Connect the system to the 12V input of the first MCX Power Amplifier. After this is done, connect the 12V output of the first MCX Power Amplifier to the 12V input on the second MCX Power Amplifier in the chain.

## IN-EXLINK-OUT (RJ45)

Use these sockets with the EXLINK cable provided to link to other MCX components. EXLINK facilitates synchronised control of the 'Power On / Off', 'Display On / Off' and 'Mode' functions of the entire MCX system.

Connect the EXLINK OUT on the MCX Pre Amplifier to the EXLINK IN on the first MCX Power Amplifier. After this is done, connect the EXLINK OUT on the first MCX Power Amplifier to the EXLINK IN on the second MCX Power Amplifier in the chain. More power amplifiers may be added to the chain in the same manner.

## BALANCED / UNBALANCED SWITCH

Press the switch in to select the balanced input or out for the unbalanced input.

NOTE: THIS SELECTION CANNOT BE CHANGED UNTIL THE UNIT IS POWERED 'OFF'. The setting is automatically detected when the amplifier is powered 'ON'



## POWER AMPLIFIER INPUT SOCKETS

For operating in balanced mode, use only the balanced input XLR connector to connect to the MCX Pre Amplifier balanced output. For operating in unbalanced mode, use the unbalanced input.

## SPEAKER TERMINALS

Connect your speakers to these speaker terminals. Two pairs are provided allowing bi-wiring. Please ensure that the '+' terminal on the speaker is connected to the red terminal on the power amplifier and the '-' terminal on the speaker to the black terminal on the power amplifier.

For bi-wiring, two sets of speaker wires are required. The jumper wire or plate on the speakers should also be removed. Please refer to your speaker manual for further instructions on bi-wiring.

## POWER CABLE SOCKET

Connect the mains lead provided to this IEC socket. Insert the mains plug to the power socket on your wall. Please push both of the plugs in properly before switching the power on.

## POWER

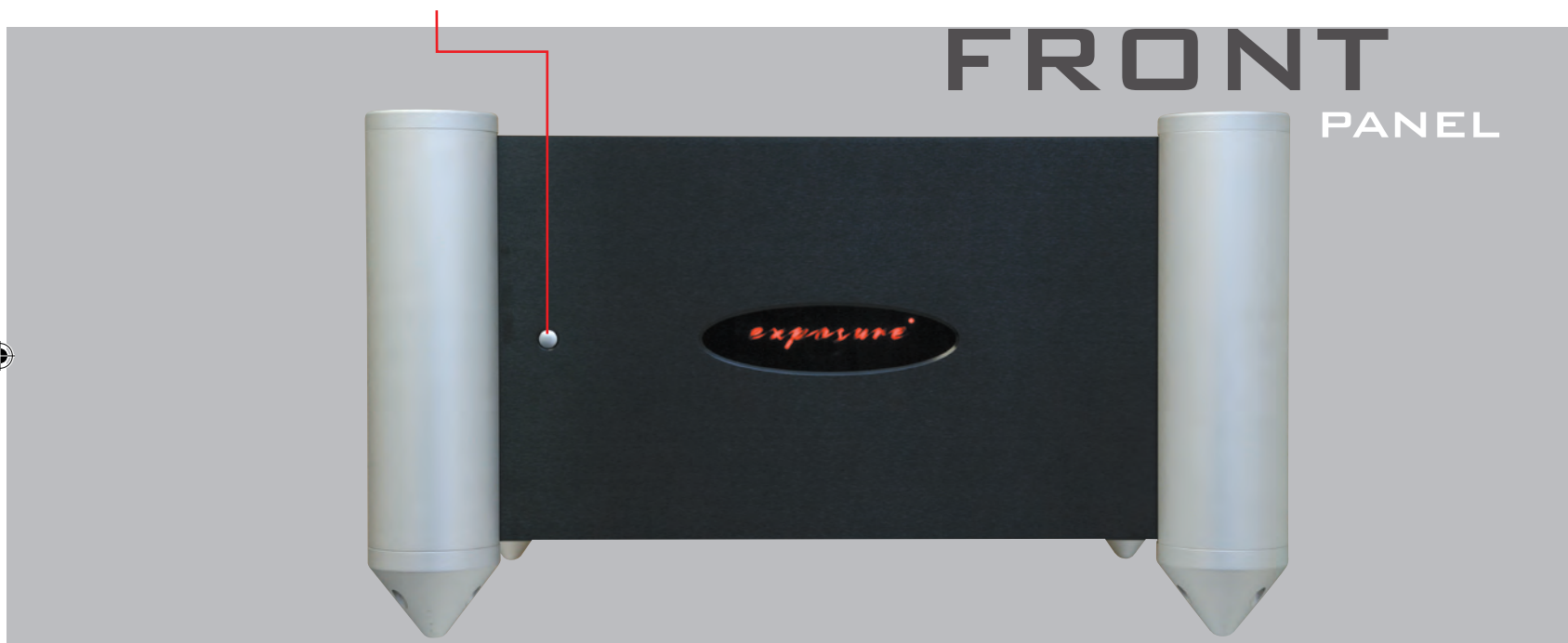
Press this to switch the unit 'on' or 'off'. NOTE: THIS POWER SWITCH WILL NOT OPERATE WHEN IN 'PROTECT MODE', when the LED is flashing or when the 12V input is active from another (non-MCX) pre-amplifier.

## PROTECT MODE

The MCX power amplifier has the following protection systems:

- Over temperature
- Over current
- DC voltage sensing on the speaker output

If any of these conditions occur, the unit will 'shut down', leaving the LED in the display window flashing for 30 seconds before the unit can be switched on again. In cases of over temperature, the unit will need to cool down for 15 minutes before it can be switched on again.



# POWER AMPLIFIER

## SAFETY

IT IS HIGHLY RECOMMENDED FOR YOUR MCX SYSTEM TO BE PROFESSIONALLY INSTALLED BY YOUR DEALER. Incorrect installation or inappropriate use of the Exposure MCX Power Amplifier may result in injury due to electric shock.

- Ensure that the voltage rating on the rear panel of this unit matches that of your local mains supply.\*
- Ensure that the mains cable and plug supplied with the unit is also correct (Contact your dealer immediately if this is not the case).
- The unit is protected by a mains fuse which is accessible as part of the IEC socket on the rear panel.
- Fuse replacement specifications:

220/240V units	T8A fuse
110/120V units	T16A fuse
- The MCX Power Amplifier MUST be earthed.
- Protect the unit against all forms of liquid. Never expose the unit to dripping or splashing, or place objects filled with water, such as vases, on the unit.
- Unplug the unit from the mains supply when not in use for prolonged periods.
- Do not open the unit - there are NO user serviceable parts inside.
- Reduce the volume control on the MCX Pre-Amplifier to minimum before turning this unit 'on' or 'off'.
- Ensure that the unit is switched 'off' when connecting or disconnecting speaker and interconnect cables.

*\*Contact Exposure Electronics for advice on moving your equipment to another country or territory.*

## CAUTION

For a long and trouble-free life of your Exposure MCX Power Amplifier, please ensure the following:

- Do not short circuit the speaker terminals.
- Do not remove the cover or dismantle the case.
- Do not operate the unit in a damp environment or allow liquids to enter the unit.
- Do not attempt to bypass the mains fuse or replace the fuse with one of a different specification.
- Do not place the amplifier in a position that restricts cooling airflow around the case.
- Do not use abrasive or solvent-based cleaning fluids on the case.

**FAILURE TO OBSERVE THESE PRECAUTIONARY MEASURES MAY VOID YOUR WARRANTY.**

## WARRANTY

- 1 The Exposure warranty entitles you to FREE repair of this unit for the first three (3) years from the date of purchase.
- 2 This warranty is valid only if the unit is purchased from an authorised Exposure dealer, registered with the authorised agent in your country of residence and issued with a recognised warranty card.
- 3 The agent accepts no responsibility for defects arising from accident, misuse, abuse, wear and tear, neglect or through unauthorised adjustment and/or repair or replacement of any components, nor will they accept responsibility for damage or loss occurring during transit to or from the person making a claim under the warranty.
- 4 The Exposure warranty covers:  
Parts and labour costs for three (3) years from the date of purchase. Please retain your original receipt as proof of purchase and purchase date. The guarantee is extended only to the original purchaser and is not transferable.

### WHEN MAKING CLAIMS UNDER THIS WARRANTY:

- 1 The equipment should be suitably packed and returned to the dealer from whom it was purchased, or directly to the local distributor, together with proof of purchase or a copy of the dated sales receipt.
- 2 If necessary the unit should be sent carriage pre-paid by a reputable carrier - NOT by post.
- 3 No responsibility is accepted for the unit whilst in transit to the dealer or agent, and customers are advised to insure the unit against loss or damage whilst in transit.
- 4 The warranty card MUST be produced when making claims against this guarantee.
- 5 Any tampering or alteration made to the warranty card or to the serial number on the equipment will invalidate the warranty.
- 6 The dealer or the agent shall notify the customer when the repairs have been completed. The customer must claim the goods within fourteen (14) days from the date of notice, failing which; the Company reserves the right to impose storage charges.
- 7 The Company reserves the right to dispose of the equipment after ninety (90) days from the date of notice in a manner that it sees fit and without compensation to the customer.

M.C.X

## SPECIFICATIONS

Power	:	300W into 8 ohms @ 1KHz 600W into 4 ohms @ 1KHz
Gain	:	24dB, unbalanced mode
Inputs (switchable)	:	1 x RCA unbalanced 1 x XLR balanced
Outputs	:	2 pairs of loudspeaker terminals for bi-wiring
Communication	:	RJ45 input, 'EXLINK' RJ45 output 'EXLINK' 12V trigger input, continuous 12V level required to keep unit 'on' 12V trigger output, continuous 12V level present at the output
Power supply input	:	Internally adjustable for 110V, 120V, 220V, 230V and 240V, 50-60Hz
Power consumption	:	650W @ full power into 8 ohm load <1W power 'off'
Size	:	490 x 414 x 238mm (W x D x H)
Weight	:	45kg nett 50kg gross



## PRODUCT DISPOSAL INSTRUCTIONS



The symbol shown here and on the product means that the product is classed as electrical or electronic waste and should not be disposed of with other household waste at the end of its working life.

The Waste of Electrical and Electronic Equipment (WEEE) Directive (2002/96/EC) has been put in place to recycle products using the best available recovery and recycling techniques to minimise the impact on the environment, treat any hazardous substances and avoid increasing landfill.

When you have no further use for this product, please remove any batteries from the remote control handset and dispose of them and the product as per your local authority's recycling process. For more information please contact your local authority or the retailer where the product was purchased.

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Prototype images only. Exposure Electronics Ltd reserves the right to re-design/re-engineer the casing/facades of manufactured units.

Exposure Electronics Ltd:  
The Works 59 North Street, Portslade, East Sussex BN41 1DH, England.  
Tel: +44 1273 423877 Fax: +44 1273 430619