

exposure
high fidelity engineering
since 1974

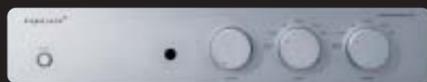
PRE-AMPLIFIER
XXIII

Quick Start
Manual

Thank you for buying the Exposure Pre-Amplifier XXIII. This precision equipment is designed to offer the finest possible musical performance.

Before you start

Contents:



Exposure Pre-Amplifier XXIII



Mains cable



HS-100 Exposure System remote control (batteries included)



Ensure your unit is switched off and that the volume control knob is at its minimum.



Please note that your Exposure Pre-Amplifier XXIII may take up to 48 hours to "run-in" before reaching its optimal performance. Each subsequent "run-in" will then take about 30 minutes.

1 Installation

The Exposure Pre-Amplifier XXIII: Front View



a) Turn volume control to minimum before connecting or disconnecting any cables.



b) Connect the mains cable to the IEC mains input socket.



c) Connect to the mains outlet on the wall. DO NOT switch on until all input and output connections are made.

2 CD Player/Tuner/Tape/Disc Recorder Connection

The Exposure XXIII Pre-Amplifier is fitted with six-line level RCA Phono inputs, suitable for connection of CD players, tuners and tape or disc recorders.

A ground terminal is provided for connection to a turntable arm grounding wire or RCA ground wire only.

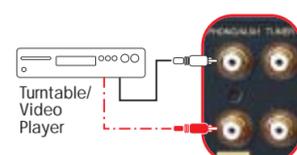
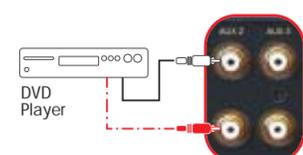
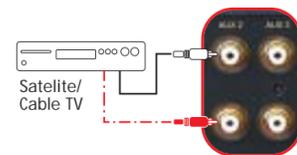
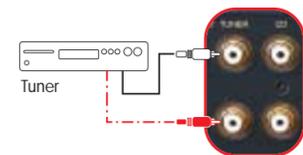
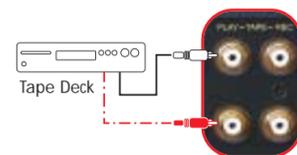
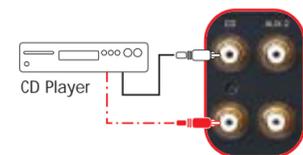
The Exposure Pre-Amplifier XXIII: Back View



Input

- a) Connect RCA Phono cables from source component (CD Player/Tuner/Tape/Disc Recorder) to the respective input.
- b) Ensure left and right channels are connected correctly. (Right channel is marked in red)
- c) PLAY input sockets are for playback. Connect output signal of recording equipment to these sockets.

Note: AUX 1 input can be converted to accept moving coil or moving magnet cartridge signals through the addition of an internal module. Please contact your dealer for more information.



Output

- TAPE REC** provides line level output signals for recording.
- PRE OUT** provides left and right channel output signals appropriate for connection to power amplifier such as Exposure Dual Mono Power Amplifier XXVIII.
- PRE OUT 1 & 2 outputs are RCA phono sockets.
- PRE OUT 3 output is via XLR.
- All three PRE OUT sockets can be connected to three power amplifiers if the need arises.

Note: If a single Exposure Dual Mono Power Amplifier XXVIII is used, it is recommended to use the XLR sockets as they provide superior sonic performance over the RCA phono sockets.

4 Operation



a) Turn amplifier volume control to minimum.



b) Press power switch. The LED power indicator will light up. The pre-amplifier output relay will activate after a 6-second delay, together with the other indicator lights on Volume, Listen and Record.



c) Without playing any CD/Tape/Disc, turn the volume control knob slowly clockwise to around 30%. You should only hear a faint hiss.



d) Turn the source selection knob to select a live source component. (CD Player/Tuner/Tape/Disc Recorder)

d) Audio should now be heard when the source component is played.

You may also listen to your source and RECORD FROM ANOTHER SOURCE (eg. listen to CD while recording from tuner).



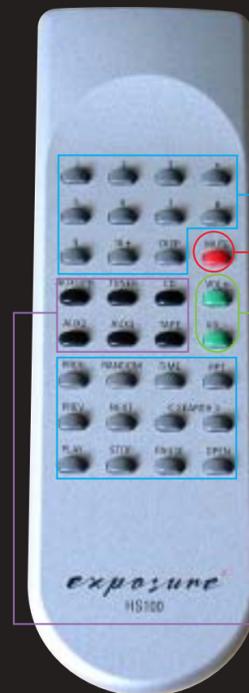
a) To record from a source connected to the pre-amplifier, turn the RECORD selection knob to select the source.



b) To turn off the recording source, turn the RECORD knob to the OFF position.

5 Remote Control

The source selection knobs will rotate to match selections made on remote control.



Grey Buttons
Select the functions of the Exposure CD player (if any).

Red Button
Mutes the volume output to minimum. Indicator lights on VOLUME, LISTEN and RECORD knobs will be turned off. Press the red button again or press the vol + button to return volume to its previous level and restore indicator lights.

Green Buttons
Increase/decrease the volume. Indicator light will flash as volume is adjusted.

Black Buttons
Select input sources. Indicator light will flash as sources are selected.

Installation of a MC or MM Phono Module.

For details, please refer to the "Extended Set-Up" section overleaf or contact your dealer.

Exposure Pre-Amplifier XXIII: Extended Set-up

Installation of a MC or MM Phono Module

This is best carried out by your dealer. However, if you wish to attempt installation yourself:



Switch off the unit.



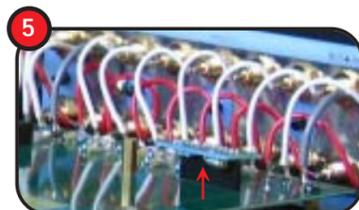
Remove the mains lead from the wall and the IEC socket.



Remove the four cover screws.



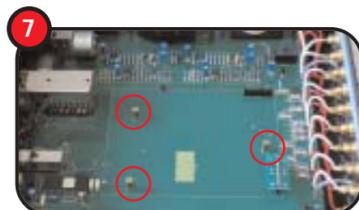
Slide the cover back about 2 cm until it is free to move upwards to reveal the main circuit board.



Remove the small jumper board that is fitted on the right hand side at the back.



Observe the position of the plug on the phono module and carefully plug it in, ensuring that all of the pins are inserted correctly into their connectors.



Fit the three M3 x 6mm bolts that are supplied with the phono module.



Replace the cover and screws.

Safety

Incorrect installation or inappropriate use of the Exposure Pre-Amplifier XXIII 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 this unit is also correct. (Contact your dealer immediately if this is not the case)
- This 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 T3.15A fuse
110/120V units T6.3A fuse

The Exposure Pre-Amplifier XXIII MUST be earthed.

- Protect unit against all forms of liquid. Never expose unit to dripping or splashing, or place objects filled with water, such as vases, on the unit.
- Unplug unit from mains when not in use for prolonged periods.
- Do not open this unit – there are NO user serviceable parts inside (except to install or change a phono card).
- Reduce the volume control to minimum before turning this unit on or off.
- Ensure that this 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 Pre-Amplifier XXIII, please ensure the following:

- Do not remove the cover of the pre-amplifier or dismantle the case (except to install or change a phono module).
- Protect unit against all forms of liquid. Never expose unit to dripping or splashing, or place objects filled with water, such as vases, on the unit.
- Do not operate the pre-amplifier in 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 pre-amplifier in a position which restricts cooling airflow around its case.
- Do not use abrasive or solvent-based cleaning fluids on the pre-amplifier's case.

Failure to observe these precautionary measures may void your warranty.

Technical Specifications

Gain (@ 1KHz):	+ 18dB
Sensitivity:	250mV
Maximum Output:	>12.5V RMS
Frequency Response:	3dB @ 2Hz and 64KHz, ref 1 KHz
Total Harmonic Distortion:	<0.01%, @ 1.6V RMS output, 1 KHz
Signal to Noise Ratio:	>96dB, A weighted, ref 1.6V RMS output, 1 KHz
Channel Separation:	>60dB, 20Hz – 20KHz (typically >85dB @ 1 KHz)
Mains Supply:	110/120V or 220/240V, 50/60Hz (factory set)
Power Consumption:	<25VA
Dimensions (H x W x D):	90mm x 440 mm x 300 mm
Nett Weight (unpacked):	8 Kg
Gross Weight (Packed):	10 Kg

Exposure Warranty Policy

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 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 90 days from the date of notice in a manner that it sees fit and without compensation to the customer.