

Congratulations on your purchase of the Exposure 2010 Power Amplifier. This precision electronic component has been designed to offer the finest possible musical performance. Please read this Owner's Manual carefully. Proper care and understanding in the installation and operation of this High Fidelity unit will ensure optimal performance and satisfaction from your purchase. Please do not hesitate to contact your retailer or local distributor if there are any issues which have not been covered in this manual.

Introduction

An Exposure 2010 Power Amplifier may take up to 48 hours to "run-in" before reaching its optimal performance. As each subsequent "run-in" will then take about 20 minutes, and since the 2010 Power Amplifier consumes very little power when left on standby, it may safely be left on even when not in use.

Installation and connection

Before installing this unit, please ensure that:

- All associated system components are operating correctly
- Cables are serviceable and of good quality*
- The surface is level and sturdy
- There is ample access to the rear of the unit
- The unit is switched off and the volume control on the system's integrated or pre amp has been set to its minimum before connecting or disconnecting any cables.

1. Connect the supplied mains cable to the IEC mains input socket.
2. Connect to the mains outlet on the wall.
3. Ensure that all input and output connections are made BEFORE switching on this unit.

Line Inputs

The Exposure 2010 Power Amplifier is fitted with a stereo pair of high level RCA phono inputs which are suitable for the connection the pre-out socket of an integrated amplifier or a preamplifier. These inputs are labeled on the rear panel of the Power Amplifier. Make sure that the left and right channels are connected appropriately. (*Right channel is always marked in red*)

If the Exposure 2010 Power Amplifier is used in either Mono or Bi-Amp modes, *only the left input sockets should be used.*

* Do not substitute the supplied 2010 series mains cable for an alternative. Doing so may damage the unit and void the warranty.

Loudspeaker Outputs

The Exposure 2010 Power Amplifier is fitted with two sets of 4mm loudspeaker connection output sockets. This feature offers the option for *bi-wired* connection of loudspeakers. *Bi-wiring can in some circumstances provide a useful gain in sonic performance. Please refer to the manufacturer of your loudspeakers for advice on the practicality and potential benefits of bi-wiring.*

The left and right loudspeakers are to be connected to the corresponding left and right speaker outputs at the back of the Exposure 2010 Power Amplifier as follows :-

1. Connect the positive terminal of the loudspeaker to the positive terminal of the Exposure 2010 Power Amplifier marked 1 (red)
2. Connect the negative terminal of the loudspeaker to the negative terminal of the Exposure 2010 Power Amplifier marked 1 (black)
3. Additional loudspeakers may be attached to the speaker output terminals marked 2 as above.

Although the Exposure 2010 Power Amplifier is able to drive almost any loudspeaker system, the best results will most likely be achieved with speakers rated at 8 Ohms. For loudspeakers rated below 4 Ohms, the use of *two* Exposure 2010 Power Amplifiers operating in Mono mode should be considered.

While the Exposure 2010 Power Amplifier is compatible with most types of loudspeaker cables, the type of cables used can influence the **sonic** performance of your system. Please ask your Exposure dealer for advice on loudspeaker cable compatibility and how to get the best from your Exposure 2010 Power Amplifier.

Note: While the Exposure 2010 Power Amplifier is internally protected against damage from short circuits, no such protection is infallible, and damage may occur if positive and negative speaker cables are inadvertently connected together.

Operational Modes

The Exposure 2010 Power Amplifier can be operated in one of three different switch modes. These are:

Stereo Mode (Factory Default)

The Exposure 2010 Power Amplifier by default is selected to Stereo mode at the back of the unit and it operates as a conventional stereo amplifier with each channel fully independent of the other. The majority of 2010 Power Amplifier applications will employ this mode.

Mono Mode

When selected to the Mono mode at the back of the Exposure 2010 Power Amplifier, it operates as *a high current mono amplifier*. In this mode, *both channels are combined into one single channel of twice the current rating*. Mono mode enables the Exposure 2010 Power Amplifier to drive low impedance speakers to high levels, with greater accuracy and clarity.

Note: In Mono mode, the left input socket is only used. You need to purchase another Exposure 2010 Power Amplifier to operate in stereo.

Bi-amp Mode

When selected to the Bi-amp mode at the back of the Exposure 2010 Power Amplifier, it operates as *a two channel amplifier with a single mono input*. In this way, a single 2010 Power Amplifier is able to drive one loudspeaker with bi-amp capabilities (check your loudspeaker user manual for the wiring connections on the speaker side) through its split crossover. This will give superior sonic performance over the alternative bi-amping method described below.

Note: In Bi-amp mode, the left input socket is only used. You need to purchase another Exposure 2010 Power Amplifier to drive the other loudspeaker.

Alternatively, the Exposure 2010 Integrated Amplifier can be used as a pre-amplifier for the Exposure 2010 Power Amplifier. The power amplifier section of the Exposure 2010 Integrated Amplifier will still be operational and can be used in conjunction with the Exposure 2010 Power Amplifier in Stereo mode to provide bi-amping capabilities (check your loudspeaker user manual for the wiring connections on the speaker side) for suitable loudspeakers by connecting the pre-out sockets on the Exposure 2010 Integrated Amplifier to the input sockets of the Exposure 2010 Power Amplifier. Your dealer or local distributor will be able to offer further advice.

Operation

Before switching on your Exposure 2010 Power Amplifier for the first time, ensure that:

1. All connections are correct and secure.
2. The amplifier or pre-amp volume control is set to minimum.
3. The mains plug is connected to the mains wall socket.

Switch the unit on by depressing the power switch on the front panel. The LED power indicator will light up and the amplifier is ready for use.

With no source component playing, increase the volume control on the system's integrated or pre amplifier slowly to around 30% from its maximum. There should be no significant hum or noise heard from the loudspeakers. A faint hiss from the speakers is all that should be heard.

Select a live source component on the system's integrated or preamplifier. Audio should now be heard when the source component is played. Your Exposure 2010 Power Amplifier is now installed and operational.

Safety

As with any mains powered electrical product, incorrect installation or inappropriate use of the Exposure 2010 Power Amplifier may result in injury due to electrical 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 from the rear panel.
- Fuse replacement specifications:

220/240V units	T3.15A fuse
110/120V units	T6.3A fuse
- The Exposure 2010 Power Amplifier 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 device.
- Unplug unit from mains when not in use for prolonged periods.
- Do not open this unit – there are NO user serviceable parts inside.
- Reduce the volume control on the system's integrated or pre amp to minimum before turning this unit on or off. The 2010 Power Amplifier may generate a faint "thump" or "whistle" from the loudspeakers when switching off. This is normal and does not indicate any cause for concern.
- Ensure that this unit is switched off when connecting or disconnecting speaker and interconnect cables.
- The Exposure 2010 Power Amplifier has internal output protection fuses. Failure of one or both of these fuses is indicated by low level distorted audio from one or both loudspeakers. Ensure the positive and negative speaker wires connected to the loudspeakers are not touching each other. Output fuses should only be replaced by qualified service engineers.

*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 2010 Power Amplifier, please ensure the following:

- Do not short circuit the speaker terminals
- Do not remove the cover of the Power Amplifier or dismantle the case
- Do not operate the Power Amplifier 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 Power Amplifier in a position which restricts cooling airflow around it's case
- Do not use abrasive or solvent based cleaning fluids on the Power Amplifier's case

Failure to observe these precautionary measures may void your warranty.

Technical Specifications

Stereo, non-inverting transistor/MOSFET power amplifier.

Power Output (Stereo):	70 Watts per channel at 1kHz into 8Ohms.
Power Output (bridged Mono):	110 Watts at 1kHz into 8Ohms.
Input Impedance:	>60k Ω (unbalanced)
Frequency Response:	20Hz – 20 kHz \pm 0.5dB
Total Harmonic Distortion:	<0.3%, 20Hz – 20kHz, (typically <0.01% at 1kHz, rated power)
Noise (CCIR weighted minimum):	-80dB
Channel Separation:	>60dB, 20Hz – 20kHz
Mains Supply:	110/120V or 220/240V, 50/60Hz (factory set)
Dimensions (H x W x D):	90mm x 440mm x 300mm
Gross Weight (Packed):	7.0kg
Nett Weight (unpacked):	6.0kg

Exposure Warranty Policy

The Exposure warranty entitles you to have this unit repaired, free of charge, during the first three (3) years from the date of purchase, provided that it was purchased from an authorised Exposure dealer in your country of residence.

The agent can accept 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 can they accept responsibility for damage or loss occurring during transit to or from the person making a claim under the warranty.

All equipment warranties are valid only if registered with the authorised agent in your country of residence and issued with a recognised warranty card.

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 guarantee:

1. The equipment should be suitably packed and returned to the dealer from whom it was purchased, or should this not be possible, 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 can be accepted for the unit whilst in transit to the dealer or agent, and customers are therefore 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 alterations 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.