exposure
high fidelity engineering
since 1974

2010S2

Power Amplifier

Quick Start Manual

Thank you for buying the Exposure 2010S2 Power Amplifier.

Before you start

Contents:

Exposure 2010S2 Power Amplifier

Mains cable

Ensure that your unit is switched off and that the volume control on the pre-amplifier or integrated amplifier is at its minimum.

Please note that your 2010S2 Power Amplifier may take up to 48 hours to "run-in" before reaching its optimal performance. Each subsequent "run-in" will then take about 30 minutes.

The Exposure 2010S2 Power Amplifier is fitted with an over current sensor which will switch off the speaker output in the event of the speaker output in the event of a speaker wire short circuit or excessive current. To reset the output, switch off the Power Amplifier for 5 minutes.

For optimum performance,
use Exposure speaker cables with your Exposure equipment.

1 Installation

The Exposure 2010S2 Power Amplifier : Front View

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

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

2 Pre-Amp/Integrated Amp Connection

Your Exposure 2010S2 Power Amplifier is equipped with a pair of RCA phono input sockets.

The Exposure 2010S2 Power Amplifier : Back View

a) Use cables with RCA plugs to connect the Power Amp to the PRE-OUT sockets of your pre-amplifier or integrated amplifier.

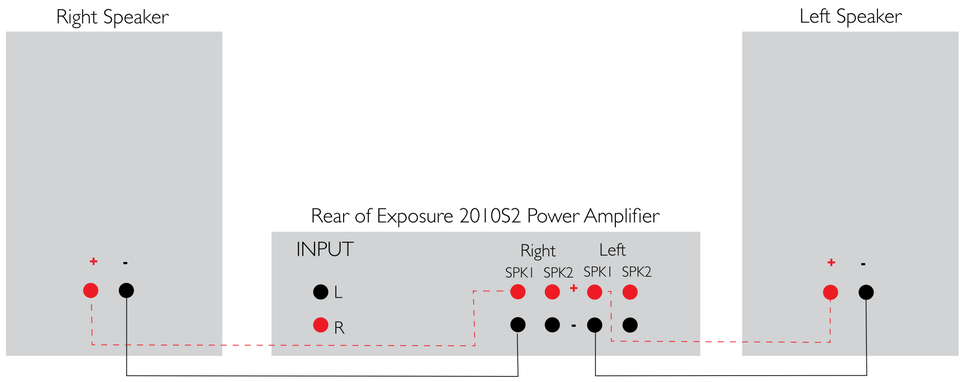
b) Ensure the left and right channels are connected appropriately. (The right channel is marked in red)

3 Loudspeaker Connection

a) Connect the left and right loudspeakers to corresponding left and right speaker outputs of the Power Amplifier.

b) Connect the (+) terminal of the loudspeaker to the (+) terminal of the amplifier.

c) Connect the (-) terminal of the loudspeaker to the (-) terminal of the amplifier.



4 Operation

a) Turn the volume control knob on the pre-amplifier or integrated amplifier to the minimum.

b) Press the power switch. The LED power indicator will light up.

c) Without playing any CD/Tape/DVD/etc, turn the volume control knob on the pre-amplifier or integrated amplifier slowly clockwise to around 30%. It is normal to hear a faint hiss.

d) Select a live source component (CD Player/ Tuner/Tape/DVD/etc) using the source selection knob on the pre-amplifier or integrated amplifier.

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

Bi-wiring

Bi-wiring may provide a useful gain in subjective performance. Should you choose this option, please refer to the "Extended Set-Up" section overleaf for detailed instructions.

Operational Modes

The Exposure 2010S2 Power Amplifier can be operated in one of three different modes - **stereo, mono or bi-amping**. For more details, please refer to the "Extended Set-Up" section overleaf.

Exposure 2010S2 Power Amplifier Extended Set-Up

Loudspeaker Compatibility

Although the Exposure 2010S2 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 2010S2 Power Amplifiers operating in Mono mode should be considered. See section on Operational Modes for further details.

Speaker Cable Compatibility

While the Exposure 2010S2 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 2010S2 Power Amplifier.

Note: The Exposure 2010S2 Power Amplifier is internally protected against damage from short circuits. However, no such protection is infallible, and damage may occur if positive and negative speaker cables are inadvertently connected together.

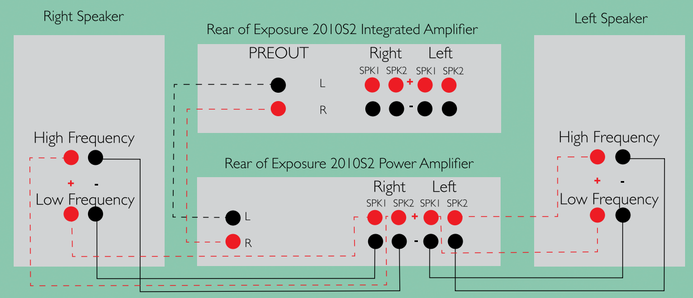
Bi-wiring

The Exposure 2010S2 Power Amplifier is fitted with two sets of 4mm loudspeaker sockets for bi-wiring connections to loudspeakers. Another pair of speaker wires is required for this operation.

1. Ensure that the links at the speaker terminals between the high frequency and the low frequency are removed on both loudspeakers.

2. Follow the diagram below for connecting a pair of loudspeakers in bi-wiring mode.

Please refer to the manufacturer of your loudspeakers for advice on the practicality and potential benefits of bi-wiring.



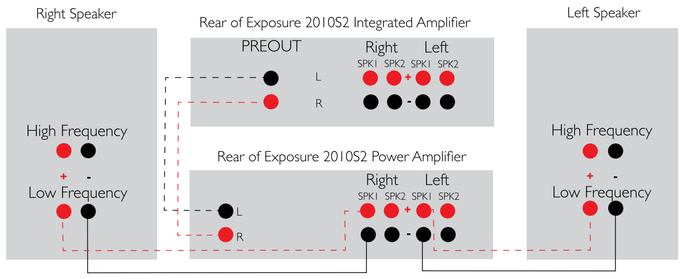
Connecting a pair of loudspeakers in bi-wiring mode

Operational Modes

The Exposure 2010S2 Power Amplifier can be operated in one of three different modes. These are:

Stereo Mode

The Exposure 2010S2 Power Amplifier operates as a conventional stereo amplifier. The majority of 2010S2 Power Amplifier applications will employ this mode.

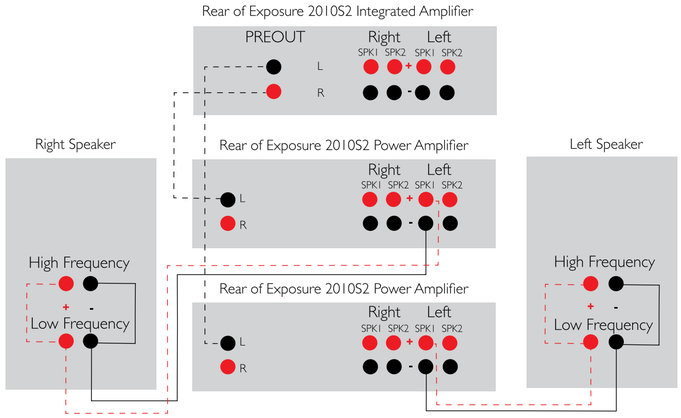


Connecting a pair of loudspeakers in Normal mode

Mono Mode

To operate in mono mode two separate 2010S2 Power Amplifiers are required, one for each channel.

Note: In Mono mode, the left input socket is only used. You need to purchase another Exposure 2010S2 Power Amplifier to operate in stereo. See diagram for connecting a pair of loudspeakers in mono mode.



Connecting a pair of loudspeakers using separate Power Amplifiers

Bi-amping Mode

The Exposure 2010S2 Integrated Amplifier can also be used as a pre-amplifier for the Exposure 2010S2 Power Amplifier.

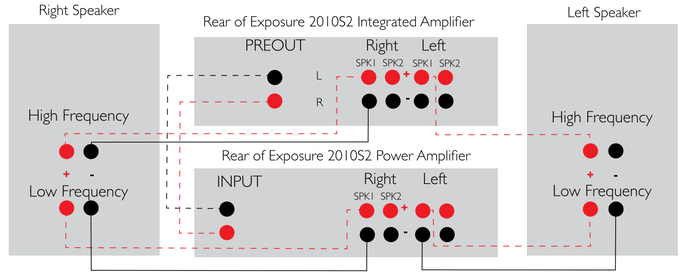
The Power Amplifier section of the Exposure 2010S2 Integrated Amplifier will still be operational, and can be used in conjunction with the Exposure 2010S2 Power Amplifier in Stereo mode to provide bi-amping capabilities for suitable loudspeakers:

1. Check your loudspeaker user manual for the wiring connections.

2. Connect the pre-out sockets on the Exposure 2010S2 Integrated Amplifier to the input sockets of the Exposure 2010S2 Power Amplifier.

3. See diagram for connecting a pair of loudspeakers in bi-amp mode.

Your dealer or local distributor will be able to offer further advice.



Connecting a pair of loudspeakers in Bi-amping mode

Technical Specifications

Power Output (Stereo):	75 Watts per channel at 1KHz into 8 Ohms
Input Sensitivity:	1V, gain +24dB
Input Impedance:	>18K Ohms
Frequency Response:	20Hz – 20Khz ± 0.5dB
Total Harmonic Distortion:	<0.02% at 1KHz , rated power
Signal to Noise:	>110dB, A weighted, ref rated output
Channel Separation:	>80dB, 20Hz - 20KHz
Mains Supply:	110/120V or 220/240V, 50/60Hz (factory set)
Power Consumption:	250VA, both channels driven, 8 Ohms load
Dimensions (H x W x D):	90 mm x 440 mm x 310 mm
Nett Weight (Unpacked):	7 kg
Gross Weight (Packed):	9 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 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.

Safety

Incorrect installation or inappropriate use of the Exposure 2010S2 Power Amplifier may result in injury due to electrical shock.

- Ensure that the voltage rating on the rear panel of the 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)
- 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 T2.5A fuse
  110/120V units T5A fuse
- The 2010S2 Power Amplifier must be earthed.
- Protect the unit against all forms of liquid. Do not expose the unit to dripping or splashing, or place objects filled with water, such as vases, on the unit.
- Unplug the 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-amplifier to minimum before turning the 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 2010S 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.
- Protect the unit against all forms of liquid. Do not expose the unit to dripping or splashing, or place objects filled with water, such as vases, on the unit.
- 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 its 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.