

CONTENTS OF THE BOX

Thank you for purchasing this Light Dependent Resistor (LDR) Preamplifier.

Please make sure you have received all of the following components in the package:

- The preamplifier module
- DC Power supply
- This manual

CONNECTING TO YOUR HIFI



WHEN CONNECTING YOUR PREAMPLIFIER, TAKE GREAT CARE NOT TO CAUSE DAMAGE.

DO NOT FORCE YOUR CONNECTORS INTO THE UNIT’S SOCKETS.

BEFORE CONNECTING OR DISCONNECTING THE PREAMP ENSURE THAT IT IS DISCONNECTED FROM ANY POWER SOURCE.

Connections should be as follows:

The LDR Preamplifier has 2 inputs, these are marked on the rear panel and selected using the ‘Input’ switch on the front panel.

- If your unit has an in-built phono stage it will be on input 1 (IN-1).
- Input 2 (IN-2) is a line-level input
- The right (R) and left (L) phono inputs (input 1) should be connected to your turntable’s respective outputs.
- The right (R) and left (L) connectors of input 2 should be connected to your CD player or other line-level equipment’s respective outputs.
- The right (R) and left (L) outputs should be connected to your HiFi power amplifier’s or other audio equipment’s inputs.
- The turntable signal earth lead should be connected to the earth post.

- CHECK THAT YOUR LDR AMPLIFIER HAS ITS VOLUME CONTROL SET TO MINIMUM AND IS SWITCHED OFF.
- The power supply should then be connected to the LDR Preamplifier.

USING THE LDR PREAMP

Once the preamp is connected, as previously described, using it is just a matter of switching the unit on: the front panel power (PWR) LED should light. Select the correct input (input 1 is the phono stage) and set the volume to suit.

Note that the front panel green charge (CHG) LED indicates when mains power is connected.

You will also need to switch on your power amplifier, and you’re off. Enjoy! NOTE – We always recommend you switch on your preamplifier before your power amplifier.

VIRTUAL BATTERY FUNCTION

The status of the VB function is shown by a front panel PWR and CHG LEDs:

- CHG LED flashing = charging, (Only when unit is switched off)
- CHG LED steady = trickle charge only.
- CHG LED off = mains power disconnected.
- PWR LED off – unit off
- PWR LED on (RED) – unit on battery power
- PWR LED on (AMBER) – unit on mains power

The front panel switch positions are:

- Up ‘Charge’ = Charge battery, phono stage off.
- Down ‘On’ = Phono stage On (PWR LED on), battery trickle charge.

Whenever the unit is switched to ‘On’ the battery will be held in trickle charge mode: this means that it is possible to flatten the battery if the unit is left in the ‘On’ position for over 24 hours (typical, subject to battery charge level/condition). If the unit detects that the battery is low it will automatically switch to mains power (PWR LED goes amber).

In ‘Charge’ mode the unit will select trickle/fast charge depending on battery status. A very flat battery may be held in trickle mode until it has enough charge to accept fast charge operation.

NOTE: This unit includes a high capacity NiMh battery, the battery is always on trickle charge when power is connected. NiMh batteries are specified to be safe when left on charge but it is not recommended to leave this unit permanently connected to the power.

Please NOTE: This unit cannot be used without the mains power being switched on and connected to the unit.

SPECIFICATIONS (Typical, custom units may vary)

MM/HMC

Nominal Input sensitivity:	3 mV rms
Input range:	1.5mV - 10mV
Input resistance:	47k & 100pF
Maximum input:	60 mV rms
Nominal output:	570 mV rms
Gain:	45 dB (190)
Noise (ein):	<0.15uV
Distortion:	0.01%
RIAA accuracy:	<0.5 dB
Channel separation:	82 dB

MC

Nominal Input sensitivity:	0.3 mV rms
Input range:	0.15mV – 2mV
Input resistance:	470R & 100pF
Maximum input:	3.5 mV rms
Nominal output:	363 mV rms
Gain:	61 dB (1122)
Noise (ein):	<0.15uV
Distortion:	0.01%
RIAA accuracy:	<0.5 dB
Channel separation:	82 dB