

CYRUS



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**IMPORTANT! READ BEFORE OPERATING THIS EQUIPMENT!**

**CAUTION:** The exclamation mark is to draw your attention to important instructions and safety procedures in this manual.



**ATTENTION:** The lightning flash warns you of the risk of electrical shock presented by components inside this product. Unauthorised personnel must not open this unit.



**WARNING:** To reduce the risk of electrical shock do not remove any unit covers or panels. There are no user serviceable parts in this product.

**WARNING:** To reduce the risk of electric shock, do not expose this equipment to rain or moisture.

**HEED WARNINGS:** All warnings on the product and in the operating instructions should be adhered to.

**READ ALL THE INSTRUCTIONS:** All the safety and operating instructions should be read before the product is operated.

**RETAIN INSTRUCTIONS:** The safety and operating instructions should be retained for future reference.

**FOLLOW INSTRUCTIONS:** All operating and use instructions should be followed.

**CLEANING:** Unplug this product from the mains before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.

**WATER AND MOISTURE:** Do not use this product near water - for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement; or near a swimming pool and the like. The product must not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the product.

**HEAT:** The product should be situated away from heat sources such as radiators, stoves, or any other products (including amplifiers) that produce heat.

**VENTILATION:** Slots and openings in the cabinet are provided for ventilation, to ensure reliable operation of the product and to protect it from overheating and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug or similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

**OBJECT OR LIQUID ENTRY:** Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock.

**ACCESSORIES:** Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

**ATTACHMENTS:** Do not use attachments not recommended by the product manufacturer as they may cause hazards.

**MOVING THE PRODUCT:** A product and cart combination should be moved with care. Sudden stops, excessive force, and uneven surfaces may cause the product and cart to overturn.



**POWER SOURCES:** This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.

**OVERLOADING:** Never overload wall outlets, extension cords, or integral convenience receptacles. This can result in an increased risk of fire or electric shock.

**POWER CORD PROTECTION:** Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

**NAKED FLAMES:** No naked flame sources, such as candles, must be placed on this product.

**LIGHTNING:** For added protection for this product during a lightning storm, or when it is left unattended or unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.

**BATTERIES:** Warning : Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.

**CAUTION! POLARISED CONNECTOR (CANADA and USA):**

To prevent electrical shock, match wide blade of plug to wide slot, fully insert. Do not alter or remove this plug if it does not fit your mains power socket. Have a suitable socket installed by a competent electrician.

**ACCESS TO THE MAINS PLUG:** The means to disconnect this product from the mains supply is the mains plug. Ensure that the mains plug is accessible at all times.

**Power supply:**

Connect the moulded IEC connector of the AC cord supplied plugs into the power inlet ③ on the rear of the unit. The mains fuse ② is on the rear panel next to the power switch. It must only be replaced as follows:

230V Products: T2AL/250V 20mm

115V Products: T2.5AL/250V 20mm

The mains supply requirement of your power supply is marked on a label on the rear panel. Before connecting, check that this voltage is the same as your mains supply.

230V Products: Voltage Range 220V-240V

115V Products: Voltage Range 110V-120V

If you move to an area with a different mains voltage, contact your local Cyrus distributor to have your product converted.

There are no user replaceable fuses in this unit.

**Servicing:**

Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

**CONDITIONS REQUIRING SERVICE:** Unplug this product from the wall outlet and refer servicing to qualified service personnel when:

- When the power supply cord or plug is damaged.
- If liquid has been spilled, or objects have fallen into the product.
- If the product has been exposed to rain or water.
- If the product has been dropped or damaged in any way.
- If the product does not operate normally by following the operating instructions. (Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage requiring extensive work by a qualified technician to restore the product to its normal operation).
- When the product exhibits a distinct change in performance.

**REPLACEMENT PARTS:** When replacement parts are required, be sure the service technician has used replacements specified by the manufacturer or have the same characteristics as the original part. Unauthorised substitutions may result in fire, electric shock, or other hazards.

**SAFETY CHECK:** Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

**Product service centres:**

For product service or technical advice, contact only authorised Cyrus service centres. Contact details for Cyrus distributors may be found on the Cyrus website at [www.cyrusaudio.com](http://www.cyrusaudio.com).

**FCC NOTICE\***

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

\*115V products

**WELCOME TO THE WORLD OF CYRUS!**

Congratulations on your choice of Cyrus Hi-fi products. Our state-of-the-art design technology and outstanding quality of manufacture has won countless awards around the world. We are confident that you will derive great pleasure from owning a product from one of the most recognised and respected manufacturers of hi-fi equipment.

Now is a good time to register your new Cyrus product. To register, visit [www.cyrusaudio.com/support](http://www.cyrusaudio.com/support) and click the 'Register your product' link.

Please read these instructions carefully before commencing installation. They provide full guidance to help you install your power supply safely and correctly.

**Preparations for Installation**

Before installing your power supply check that the following items are included in the accessory box.

- Power Cable
- Ferrite clamp

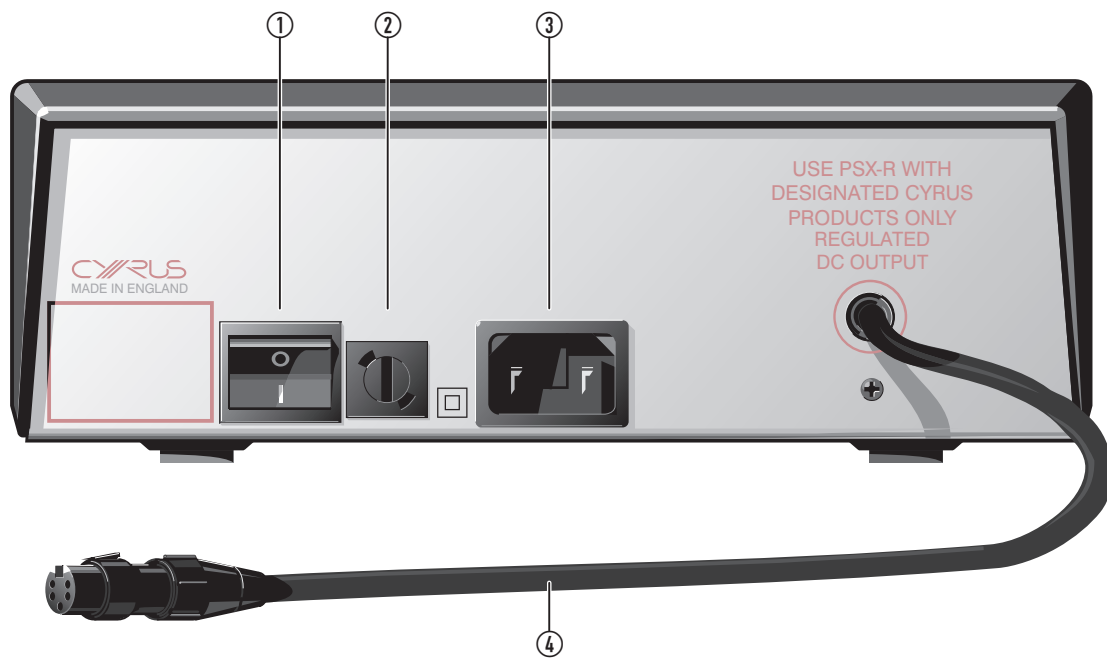
After removing these items, please retain the packaging.

Install the power supply in a well ventilated location away from sources of high temperature, dust or humidity. Never stand the power supply under another unit or on any surface likely to obstruct its cooling or ventilation.

**Compatibility**

The PSX-R<sub>2</sub> is compatible for connection to any Cyrus product equipped with a 5 pin socket marked PSX-R.

**INSTALLATION**



**Key to the rear panel drawing:**

- |                 |                 |
|-----------------|-----------------|
| 1. Power switch | 3. Power inlet  |
| 2. Mains fuse   | 4. Output cable |

### Connecting the PSX-R<sub>2</sub> to Cyrus Products

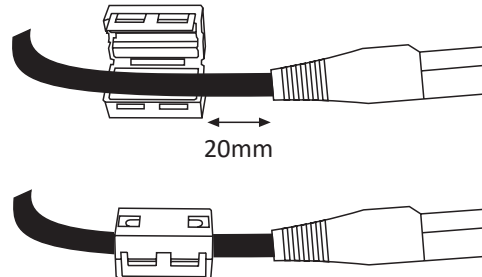
Only one connection is necessary from the PSX-R<sub>2</sub> power supply to a Cyrus product. The 5 pin connector ④ fitted to the umbilical cable must be securely connected to the socket marked PSX-R on the rear of the partnering Cyrus product. When correctly fitted, the connector will latch into place in the socket. Note that when a PSX-R<sub>2</sub> is in use, both the PSX-R<sub>2</sub> power supply and the Cyrus product will require connection to the mains supply.

#### Use with early Cyrus products

When used with a Cyrus III, Cyrus IIIi, Cyrus 7 or Cyrus Power, the amplifier must be internally changed to accept this external power supply. This modification should only be carried out by an appointed Cyrus Dealer. If you decide to use a modified component without a Cyrus PSX-R<sub>2</sub>, the unit must be re-configured.

### Ferrite clamp

There are two power cables in the accessory carton. Once you have selected the power cable suitable for your market, you can enhance the performance of your Cyrus product by fitting the supplied filter. This device is simple to fit and helps to remove undesirable 'noise' present in all domestic mains supplies.



The hinged filter simply folds around the cable and will lock together once you firmly close the shaped channels around the cable. You should fit the filter at the end of the cable as shown. Allow a 20mm length of wire between the plug moulding and the filter. This will ensure optimum performance and allow good cable flexibility.

### Connecting to the AC Mains Supply

Connect the socket on the AC Power cable to the Power inlet ③ on the rear panel of the PSX-R<sub>2</sub>. Now connect the cable to a suitable AC power point.

NOTE: The means to disconnect this product from the mains supply is the mains plug. Ensure that the mains plug is accessible at all times.



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**OPERATION**

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**Key to the front panel drawing**

1. Standby Light

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**Power**

The mains power switch ① is located on the rear panel of the power supply. This switch should be left on for normal use, except when left unattended for a long period. In this case the mains power should be switched off or the product disconnected from the AC supply.

In normal use, standby operation of the **PSX-R<sub>2</sub>** is controlled by the partnering Cyrus component. When correctly installed, the Standby lights on the front panels of the two products work in unison.

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**Additional information**

Your power supply incorporates electronic protection to ensure reliable, long term use. The **PSX-R<sub>2</sub>** is designed to adjust its output DC voltage to that required by the partnering Cyrus product.

Two levels of regulation exist in the **PSX-R<sub>2</sub>** circuitry in order to give maximum isolation from mains borne disturbances and the voltage ripple due to the charging of the supply reservoir capacitors, this design has also enhanced the load-regulation of the **PSX-R<sub>2</sub>**.

**SPECIFICATIONS****Power Supply**

Voltage: ..... As plate on rear of unit  
 Power Consumption (X Power 50W/8Ω) ..... 227W  
 Safety Compliance ..... CE  
 EMC (230V) ..... CE  
 EMC (115V) ..... FCC

**Enclosure**

Dimensions (WxHxD) ..... 215 x 75 x 365mm  
 Weight ..... 4.6kg  
 Material Die cast chassis

**Output Voltage**

High Level ..... +/- 35.5VDC  
 Low Level ..... +/- 21VDC  
 Variable ..... +/- 18-30VDC

**Load Regulation**

Amplifier, 50W/Ch. 8Ω 1kHz ..... 0.2%

**O/P Noise**

@250W ..... <40μV

**Ripple Rejection**

@250W ..... >67dB

Cyrus reserves the right to change all specifications without notice. E &OE

**WARRANTY**

The warranty period is two years. No retailer or distributor may vary the terms of this warranty, which is personal to the original purchaser and is not transferable.

Please retain the sales receipt as proof of purchase.

Warranty claims must wherever possible be made through the retailer from whom the equipment was purchased.

This warranty excludes:

- Damage caused through neglect, accident, misuse, wear and tear, or through incorrect installation, adjustment or repair by unauthorised personnel. Any unauthorised servicing will result in loss of warranty.
- Liability for damage or loss occurring in transit to or from the purchaser.
- Consequential damage, loss or injury, arising from or in conjunction with this equipment.

Equipment for attention under warranty should be consigned return carriage paid. If returned equipment is found to comply with the published specification, CYRUS reserves the right to raise a charge.

The above conditions do not affect your statutory rights as a consumer.

**WEEE**

This logo means that this product is not to be disposed of with your household waste. This product should be handed over to a designated collection point to be recycled. Your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources. For more information on collection points, contact your disposal service or City Hall.





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