

November 2011



## EVO3 Solus Instruction Manual



## Contents

### General section

<b>A. Introduction</b>	The company The principles The execution	A.1 A.1 A.1
<b>B. The product</b>	Overview Features Safety	B.2 B.2 B.3
<b>C. Installation</b>	Placement Equipment coupling System integration	C.3 C.3 C.3
<b>D. Troubleshooting</b>	Fault finding	D.4
<b>E. Specifications</b>	Dimensions & sockets	E.5
<b>F. Considerations</b>	Cabling Third party products Upgrades	F.6 F.6 F.6
<b>G. Warranty</b>		G.7



## A. Introduction

### The company



Multi award winning mains power conditioners

#### The company

IsoTek was formed in July 2001 with the vision to create high quality mains power distribution units that moved beyond current conventions. Through careful market analysis and extensive research we were able to launch products that moved power distribution forward to be recognised as an integral part of any audio or home theatre system. Our products continue to lead the way in power management systems, our latest GII range galvanises our commitment to pursue excellence at every level.

#### The principles

We believe all products benefit from their own clean power supply, therefore we advocated the concept of using (smaller) individual filters on each component, with these being specifically designed for their purpose, this dramatically reduces and stops component cross contamination and dispels the belief that one size fits all. Every single component used in our designs is extensively tested for quality, reliability and purpose. Our circuit designs are extensively 'field' tested before coming to market so we can guarantee the widest compatibility with third party products.

#### The execution

Within the market of premium audio it is vital to offer exceptional performance and value for money. Products must be made to the highest of standards, be reliable and attractive. A manufacturer must offer exceptional service, dealer training, support and undertake the very best in promotion design and literature. If all these elements are in place customers should experience excellence at every stage. Our continual quest is to meet these challenges.

All of our products are professionally designed, manufactured and hand built in the UK, with deep consideration given to both style, functionality, performance and value for money.

## B. The product

### Overview

Thank you for purchasing our latest EVO3 Solus model. Solus is an award winning 6-way power conditioner.

### Features

IsoTek has enhanced a number of key circuits to ensure the EVO3 Solus tackles both differential and common mode noise with even greater effectiveness than the GII model it replaces. The sophisticated delta filter network has been significantly improved, while newly devised individual differential filtering is applied to each of the unit's six outputs, preventing cross-contamination between connected audio components.

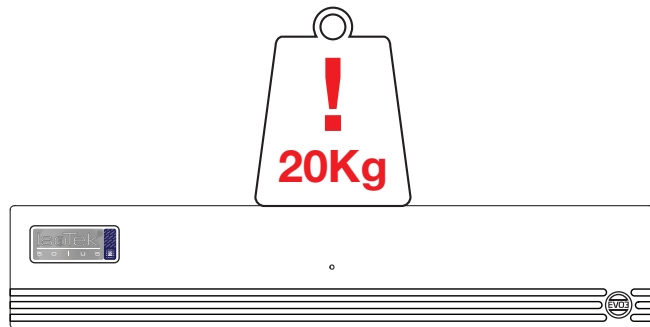
IsoTek's proprietary K.E.R.P. and Polaris-X technologies are also integrated into the design. K.E.R.P. (Kirchoff's Equal Resistance Path) equalises resistance across all outlets, thereby increasing the effectiveness of the internal filter networks. Polaris-X ensures that the electrons take the easiest route, thus reducing crosstalk and improving component-from-component isolation. In addition to improved filtering, the EVO3 Solus delivers greater protection against spikes and surges in the mains supply, with 22,500A of instantaneous, repeatable protection on tap. Equipment is connected at the rear of the unit via six high quality outlets.

### Safety

Ensure that good airflow can circulate through the unit. If you have to locate the unit on the floor we strongly recommend you do not place the unit near heat sources, such as radiators or air ducts.

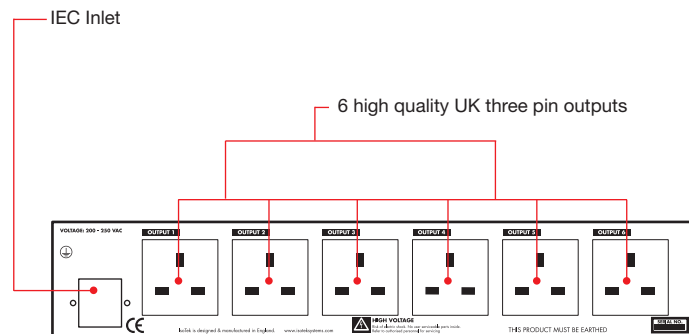
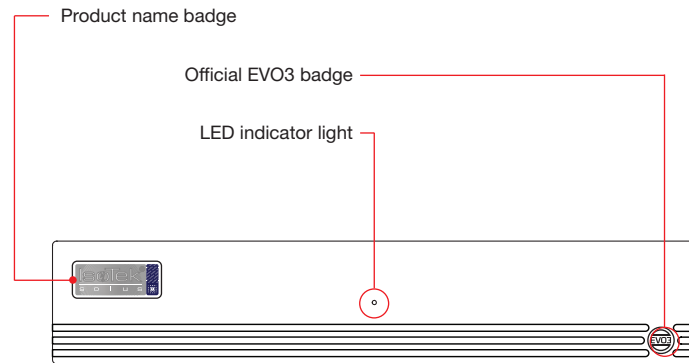
Do not place the Solus on a soft surface, for example a rug or carpet, which could block the ventilation intakes on the underside of the unit. Do not let any liquids spill onto or objects fall into the chassis. Should either of these events happen, immediately switch off the unit at the wall socket, wait for at least one minute, unplug all other cables and return it to your authorised IsoTek dealer for a full service.

### Front elevation of the unit



## C. Installation

### Front & rear of the unit



#### Placement

In the interest of safety the unit should be placed upon its own dedicated shelf on an audio grade equipment rack. The unit may be placed on top of or under other pieces of equipment, do not exceed a maximum weight loading of 20kg. Do not place the Solus in areas where the temperature is likely to exceed 25 degrees. For example, close proximity to 'tube' amplifiers.

#### Equipment coupling

Once the Solus is placed connect the unit to a mains wall socket, we recommend that a good quality cable is used and that the wall socket is also unswitched. Turn off all equipment you wish to have a clean mains supply, unplug the cables relating to these from the wall socket or redundant distribution block you may have been using and plug these into the rear sockets of the Solus.

#### System integration

We strongly recommend that a good quality mains cable is used and this cable is consistent throughout your system. Look for a cable with good conductors, for example oxygen free copper, this cable should also have a high degree of shielding from RFI.

## D. Troubleshooting

### Fuse location



### Fault finding

The front panel LED is not lit and the unit gives no power.

Check that the mains inlet fuse is intact, this will be located in the drawer of the IEC socket at the rear of the unit on the left hand side. If there is not a fuse located or you have used up your supply please contact us by email [support@isoteksystems.com](mailto:support@isoteksystems.com) so that we can forward you a free replacement.

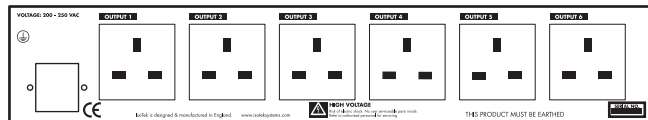
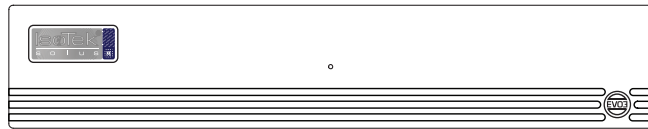
Check that the mains cable is securely plugged into the unit and the wall socket.

Check the fuse within the plug is intact.

On rare occasions the fuse at the main distribution fuse box may also need to be checked.

## E. Specifications

### Front & rear elevation



#### Dimensions & sockets

The following information relates only to the IsoTek EVO3 Solus.

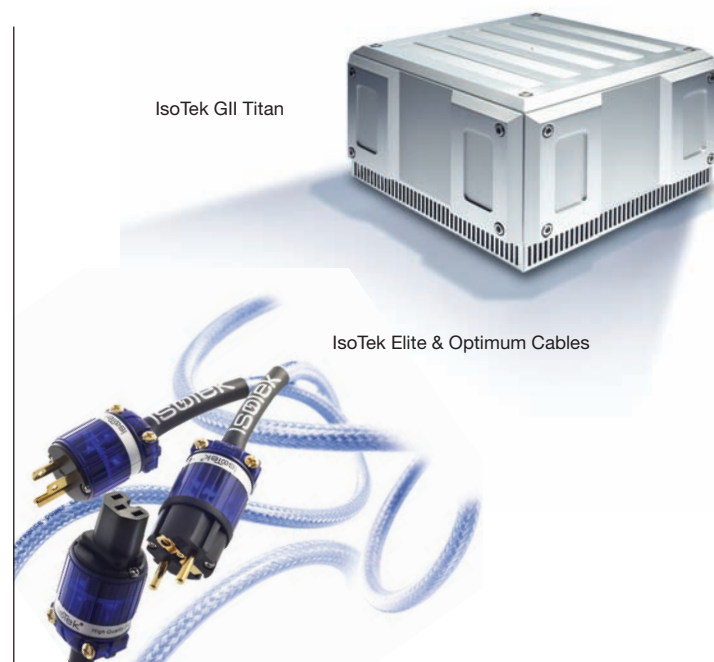
Number of outlets: 6  
Type of outlets: UK, EU, US, CH, AU, ZA  
Standard mains inlet: IEC C14 fused

Mains voltage: 100 - 240VAC/50-60Hz  
Maximum current: 10Amps HRC  
Total wattage: 2300VA / 1100VA  
External mains fuse: 10Amps

Dimensions: 445mm x 95mm x 305mm (WxHxD)  
Weight: 7.5Kg

Please note, the information given in this document is correct at the time of print. Small production changes in the course of improvement through our ongoing research and development policy may arise. If clarification of any point is required please refer to your local authorised IsoTek dealer or visit [www.isoteksystems.com](http://www.isoteksystems.com) where you can download the very latest information.

## Product examples



## F. Considerations

### Cabling

We strongly recommend that a good quality mains cable is used and this cable is consistent throughout your system. Look for a cable with good conductors, for example OFC (oxygen free copper). This cable should also have a high degree of shielding from RFI. Outside of the UK it is not uncommon for cables of 6Amps current capability to be connected to a 20Amp outlet. In practice this seems to be a safe arrangement. However we strongly recommend a cable of the full 20Amps carrying capability be used, with a minimum 1.5mm squared.

### Third party products

IsoTek produce their own cable in standard 1.5M lengths. All cables feature high quality connectors, OFC conductors and fully earth shielded. This removes any chance of RFI entering the cable. A number of versions are available: Premire, Premium and Elite as well as higher current Optimum and Extreme. IsoTek 24ct high grade connectors are used in the Elite, Optimum designs these can also be purchased individually.

Our GII & EVO3 range of products work well with all third party equipment including varying cable technologies. If 'off-the-shelf' mains cables are used we recommend the use of Ferrite rings to reduce RFI. We also recommend the use of contact conditioners, for example Blue Horizon's Clean-IT ([www.bluehorizonideas.com](http://www.bluehorizonideas.com)). Isolation devices, feet and cones may also be used. We recommend Clearlight Audio RDC products which we use on our higher end products, for example, Titan.

### Upgrades

It is possible to increase the performance of the Solus through ideal location and product placement, the use of isolation devices and contact conditioners for example. The Solus can also be used to run front-end only equipment with one of our dedicated power amplifier products. For example, the introduction of a Titan for that specific purpose. Full details can be found from your local authorised IsoTek dealer or on our web site [www.isoteksystems.com](http://www.isoteksystems.com)



November 2011

## G. Warranty

Please complete & send

As part of our on-going commitment to the highest standards of customer service, IsoTek offers you the opportunity to extend the standard 2 year product warranty to 3 years, free of charge. Simply visit:

**[www.isoteksystems.com/register](http://www.isoteksystems.com/register)**

And follow the on screen instructions. This service will automatically update your details and give confirmation of your registration via email within 24 hours.

IsoTek will not share your personal details with any third parties without your permission.

If you do not have internet access then please forward a copy of your invoice, together with the product serial number and your address to our UK office:

IsoTek Systems,  
4 Mozzetta,  
Kings Head Yard,  
Winchester,  
SO23 9HN  
England.