

Heat

The transformer and other electronic components of the BOTW P&P ECO MKII are very efficient. A relatively small amount of power will be converted into heat. In case of a (heavy) load (> 75% rated output current) the power supply will run warm, this is normal.

The openings in the enclosure are provided for ventilation to ensure reliable operation of the BOTW P&P ECO MKII and to protect it from overheating. These openings must never be blocked or covered.

The BOTW P&P ECO MKII should be situated away from heat sources such as radiators, heat registers or other products that produce heat.



The fastening bolt of the transformer is located on the bottom side of the enclosure. This bolt can become very hot. Be careful with moving the BOTW P&P ECO MKII after you have used the power supply with a very high load.

Break in period

As with many other audio equipment, the BOTW P&P ECO MKII needs time to “break in”. This break in period is an automatic process and starts when the BOTW P&P ECO MKII is connected to your AC outlet and switched “On”. The break in period is at least 100 hours. After 4 weeks the BOTW P&P ECO MKII is usually fully burned in. For the break in period it is not necessary to leave your audio device 24/7 playing.

Warranty

Sbooster warrants the BOTW P&P ECO MKII to be free from defects resulting from faulty manufacture or faulty components for a period of 24 months. If your product needs to be returned within the warranty period, please do so through the retailer from whom you purchased the product. During the warranty period, your product will be repaired without charge, if the defect is covered by our warranty terms and conditions, excluding shipping costs.

Modifications

Changes or modifications to the electronic design of the BOTW P&P ECO MKII can invalidate the compliance to the safety standards. Sbooster refuses every liability regarding damages, which has been caused by unauthorized modifications or to misuse of the BOTW P&P ECO MKII.

Contact

For questions and remarks please contact your retailer or our office: info@sbooster.com

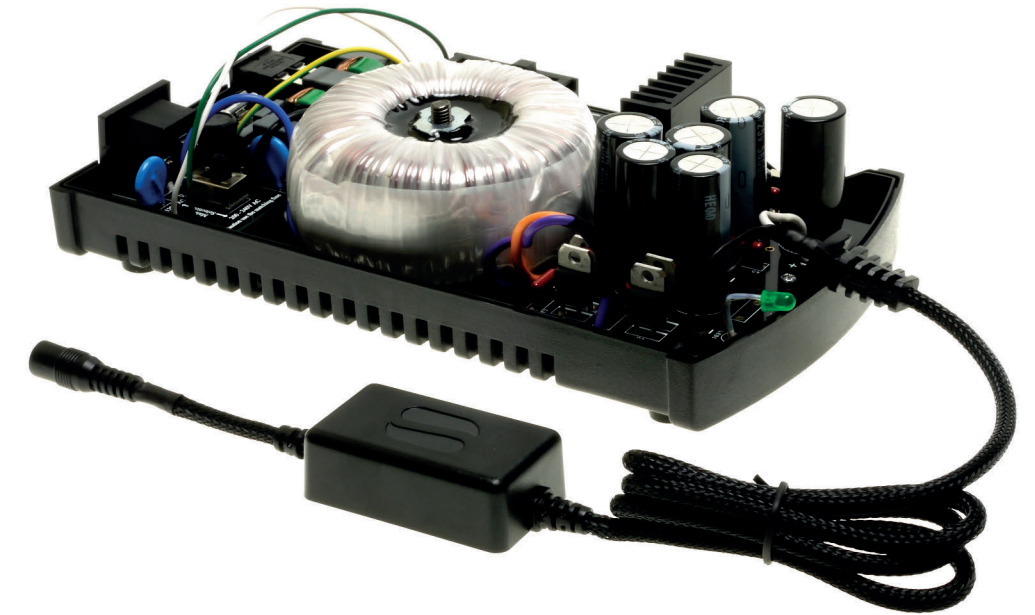
For more product information and FAQ please visit www.sbooster.com

Thank you for your attention.

Sbooster

The Ultimate Power Solution

Best of Two Worlds Power & Precision ECO MKII Upgrade Power Supply



Introduction

Thank you for purchasing one of our upgrade products. This manual will tell you everything you need to know of your Best of Two Worlds Power & Precision ECO MKII (BOTW P&P ECO MKII) upgrade power supply (PSU).

Contents of the package

- 1 x BOTW P&P ECO MKII PSU
- 1 x Mains cable
- 1 x DC tips
- 1 x Manual
- 1x DC tip overview



Environment

Booster products are developed in the Netherlands and comply with the international directives, including but not limited to the Restriction of Hazardous Substances (RoHS) in electrical and electronic equipment and the disposal of Waste Electrical and Electronic Equipment (WEEE).



Safety



Do not remove the cover and never push objects of any kind into the BOTW P&P ECO MKII through its openings as they may short-out parts that could result in a fire or electric shock.



Use care not to spill liquids into any part of the BOTW P&P ECO MKII. Liquids can cause a failure, shortcut and/or a fire hazard.



Installation

The BOTW P&P ECO MKII replaces the stock supplied adapter of your audio device. Check the correct setting of the mains voltage Fig. 1 and the DC output setting Fig. 2 before you connect the BOTW P&P ECO MKII to your audio device.



Disconnect your stock supplied power supply first from the mains and check if your audio device is fully off, before you pull the DC plug out of your audio device to prevent damage to your equipment.

Mains voltage

The BOTW P&P ECO MKII can internally be set to 7 different mains voltages. The mains voltages are 100/110/115/120/220/230/240V AC. The sticker with the mains voltage setting can be found on the back of the PSU, see Fig 1.

For a maximum performance of the BOTW P&P ECO MKII it is important that the mains voltage setting is correctly.



Fig.1

This means that a BOTW P&P ECO MKII, which is set to 230V AC, cannot be used (directly) on a mains voltage of 220V AC or 240V AC. If the mains voltage of the BOTW P&P ECO MKII does not match the official mains voltage of your country, please contact us. We will inform you about the procedure how you can safely set the mains voltage of your BOTW P&P ECO MKII PSU to the correct value.

DC output setting BOTW P&P ECO MKII

The BOTW P&P ECO MKII PSU is provided with a three-position switch in order to set the output voltage of the PSU. The output voltages (DC output setting) of the PSU are printed on the top of the enclosure.

The three-position switch to set the output voltage is located in the gray circle at the side, see fig.2. To set the output voltage to the desired value it is best to use a tweezer.

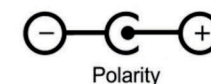
DC Tips & reverse polarity adapter cable

The BOTW P&P ECO MKII is supplied with a variety of DC tips. The polarity of the DC tips is outer side (-) negative and the inner side (+) positive.

A reverse polarity cable for in example products of Stax and Lindemann equipment can be supplied upon request.



Fig. 2



Polarity

Overview DC-output settings BOTW P&P ECO MKII

BOTW P&P ECO MKII 5V - 6V	6.5V—1.6A	6V — 1.75A	5V—3A
BOTW P&P ECO MKII 9V - 10V	10.5V—1.1A	10V — 1.25A	9V—2.35A
BOTW P&P ECO MKII 12V - 13V	13.5V—2.1A	13V — 2.75A	12V—3A
BOTW P&P ECO MKII 15V - 16V	16.5V — 1.5A	16V—1.85A	15V—2.5A
BOTW P&P ECO MKII 18V - 19V	19V—1.85A	18.5V — 2A	18V—2.25A
BOTW P&P ECO MKII 24V	Led off	Led mid	Led high

Note: The output voltage setting of the MKII differs from the MKI.



It is the responsibility of the user to check if the power supply is set to the correct DC output voltage setting. Sbooster is not liable for damage to equipment due to an incorrect DC output voltage setting of the BOTW P&P ECO MKII.



Sbooster is not liable for misuse of the power supply.

Connecting the BOTW P&P ECO MKII

The On/Off switch is located at the rear panel of the BOTW P&P ECO MKII. Make sure the power supply is turned "Off" before you connect the mains plug into the AC outlet. Connect the BOTW P&P ECO MKII with the matching DC plug to your audio device and turn the BOTW P&P ECO MKII "On". The green LED on the front will light up and your audio device will boot or turn on.

Always use the On/Off switch if you want to turn "Off" the BOTW P&P ECO MKII. Turn the BOTW P&P ECO MKII always first "Off" before you pull the mains plug out of the AC outlet. This prevents the chance of getting an electric shock from the mains plug.

When the BOTW P&P ECO MKII has been switched "Off", wait until the green led is fully off and wait approximately an additional 30 seconds before you turn the power supply back on.

The BOTW P&P ECO MKII PSU has to be connected to an audio device, when the PSU is switched "On". If this is not the case, you must turn the power supply "Off". When the BOTW P&P ECO MKII is switched "Off", there is no power consumption. However, most audio devices, and thus the BOTW P&P ECO MKII, will be turned "On" 24/7. If you turn your audio device to standby, the power consumption of the power supply is set by your audio device.

Switch the BOTW P&P ECO MKII "Off" during your holidays. Unplug the mains plug from the AC outlet if the PSU will not be used for a long period (Months) of time.