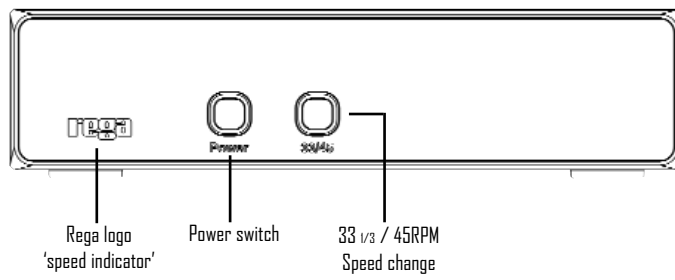
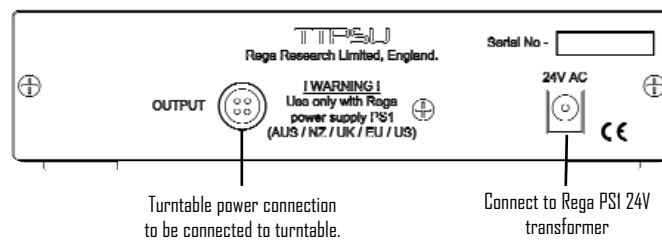


FRONT PANEL CONTROLS



REAR PANEL CONNECTIONS



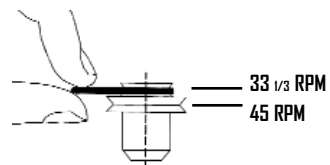
Ensure that the drive belt is set to the 33 $\frac{1}{3}$ RPM setting on the pulley.

Connect the turntable interconnect between the **TTPSU** and the turntable.
Make sure the PSI mains transformer is plugged in and connected to the 24V AC input terminal in the back of the **TTPSU**. Switch the mains power on.

Push the power button on the front panel to turn the TTPSU on - When the power supply is switched on, the Rega logo will illuminate RED. This indicates that 33 rpm is selected. To change to 45RPM press the 33/45 button, this will turn the Rega logo to GREEN and will select 45 rpm.

To select 33 $\frac{1}{3}$ RPM press the button again and the Rega logo will return to RED.

PLEASE NOTE: When using the TTPSU always leave the belt in the top position as illustrated.



The TTPSU has been designed to be easy to use, and above all to reproduce music.

There are two different versions of the **TTPSU** (Turntable Power Supply Unit):

TTPSU STANDARD - Used as an upgrade for 50Hz P3-24 classic, P5, and **RP3** models, supplied as standard with all **RP6** turntables.

TTPSU SPECIAL - Used as an upgrade for 60Hz P3-24 classic, P5, RP3 Models.

The aesthetic design of the **TTPSU** was as important as the quality of its electrical capabilities, so it benefits from the same aluminium case as the Rega Ear Headphone amplifier and Fono pre-amplifier, giving it a design which offers a familiar family feel and moreover brings it in line with its illustrious bigger brothers.

SETUP - GETTING STARTED - IMPORTANT

Only use one PSI mains transformer. NEVER connect a PSI to the turntable and to the **TTPSU** simultaneously. The PSI supplied with your turntable is no longer required when you use the **TTPSU**.

INTRODUCTION

The **TTPSU** and motor anti-vibration circuit is a combination of the long established **P9** power supply along with an improved **RPG** anti-vibration motor drive feeding a 24V AC synchronous motor. The **TTPSU** uses a remote "wall wart" transformer therefore keeping the sources of hum & noise well away from sensitive parts such as the cartridge and phono leads.

The compact **TTPSU** uses exactly the same high stability crystal locked low distortion sine wave generator as is used in the heart of the **P9** power supply. This, along with an efficient drive amplifier fed from a stabilised DC power supply, generates a 24V AC balanced signal of less than 0.1% distortion, which is completely un-affected by any changes in the mains/line voltage and conditions. This then drives the turntables anti-vibration circuit, which is situated beneath the turntable.

The drive voltage for the motor is run along the power lead to the turntable motor, which also carries the 33 1/3/45-RPM DC relay control voltage used to activate the anti-vibration circuit.

TTPSU
Turntable power supply unit

DO'S AND DON'TS

- NEVER connect both the upgrade power supply box and the Rega PSI power supply to the turntable at the same time - this may damage the TTPSU unit.
- Do not unplug the power supply from the turntable whilst the unit is on - turn off the power supply before unplugging.
- Do not operate the power supply without the turntable connected.
- As you would expect there is a 24V AC plus a 20V DC signal present on the pins of the plug - if these are shorted it will cause damage to the power unit.

The TT PSU incorporates resettable fuses in the driver amplifier to protect it from over current faults, which will cause the turntable to run erratically or not at all. If in the rare circumstance these are activated, they are reset by turning off the TTPSU by the front panel for approximately 10 seconds. If the fault should persist consult your dealer.

POWER SUPPLY SPECIFICATIONS

PSI (UK)

Input.....230V ~ 50Hz 0.05A
Output.....24V ~ 300mA AC

PSI (EU - Euro 2 pin)

Input.....230V ~ 50Hz 0.05A
Output.....24V ~ 300mA AC

PSI (UL - American)

Input.....115-120V ~ 60Hz
Output.....24V ~ 300mA AC

Notes on the TTPSU special only (60hz):

When changing speed from 33 $\frac{1}{3}$ to 45 RPM on the **TTPSU Special** upgrade supply we suggest you observe the following:

It is advised to turn power supply & turntable on with 33 RPM selected on the power supply, and then selecting 45 RPM using the speed control switch on the power supply unit.

We suggest you avoid selecting 45 RPM on the speed switch on the power supply box and then turning the **TTPSU** or turntable power switch on, this could under some circumstances cause the motor to stall and the turntable may not reach the correct operating speed of 45 RPM.

When using the **RP3** it is still possible to turn the turntable off using the switch on the turntable, this is perfectly ok for short periods of non use. For longer periods it is advisable to turn the TTPSU off. (see Setup - getting started section for information on the **RP3 TTPSU Special**).

To switch off at any time, simply press the power switch on the front of the **TTPSU**.

To minimise the risk of hum pick up by the cartridge, the power supply should be situated as far from the turntable as the interconnect cable will allow.

Rega Research Ltd, exceptional Hi-Fi designed and made in ENGLAND.