

Introduction

The TT PSU has been designed to be effective, easy to use, and above all to reproduce music with outstanding effectiveness.

There are two different versions of the TT PSU (power supply unit):

P7 TT PSU - this is supplied with ALL P7 turntables and for the upgrade of the P5 50Hz.

P5 60Hz (USA) TT PSU - this is supplied for the upgrade for the P5 Turntable where the line & mains supply is 60Hz (this is not useable with the P7).

The aesthetic design of the TT PSU was as important as the quality of its electrical capabilities, so it benefits from the same aluminium case as the Rega Ear Head phone 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

Remove all Packaging.

IMPORTANT: when up-grading the P5 make sure the Rega PSU 1 is disconnected from the turntable power socket before connecting the TT PSU.

Connect the turntable power interconnect from the TT PSU into the turntable.

Make sure the PS1 mains transformer is plugged in and connected to the 24v AC input terminal in the back of the PSU. Switch the mains power on.

Push the power button on the back panel to turn the PSU on - When the power supply is switched on, the front power L.E.D. switch will light up red. This also indicates that 33 rpm is selected. To deactivate 33 rpm press the button inward's, this will turn the L.E.D. to green and will have selected 45 rpm.

To deactivate 45 rpm press the button again and the L.E.D will return to red, re-selecting 33 rpm, (*NOTE: When changing between speeds, please do not adjust the belt drive from 33rpm on your P5!*)

When changing speed from 33 to 45 RPM on the P5 60Hz up grade supply we suggest you observe the following:

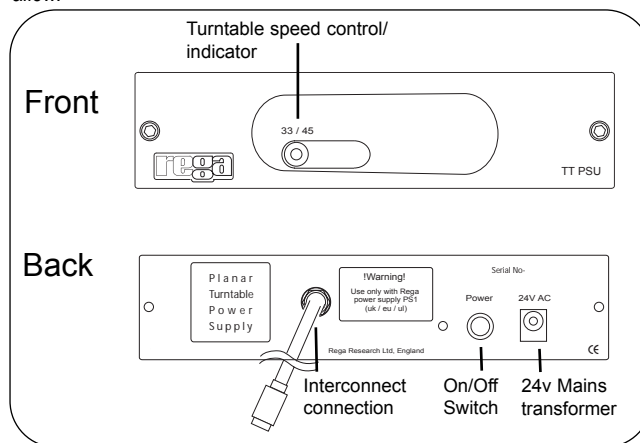
It is advised to turn power supply & turntable on with 33 RPM selected on the power supply, and then selecting 45 RPM using the speed control switch on the power supply unit.

We suggest you avoid selecting 45 RPM on the speed switch on the power supply box and then turning the TT PSU 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 P5 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, but for longer periods of non use it is advisable to turn the TT PSU off as well (see Setup - getting started section for information on the P5 60Hz (USA) TT PSU)

To switch off at any time, simply press the power switch on the back of the TT PSU.

To minimise the risk of hum pick up by the cartridge, the power supply should be situated as far from the P5/7 as the interconnect cable will allow.



Do's and Don'ts

Do not unplug the power supply from the turntable whilst the unit is on - turn off the power supply before unplugging anything.

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.

Do not connect both the P5/7 up-grade power supply box and the Rega PSU1 power supply to the turntable - this will damage the P5 PSU unit.

Specifications

The all new TT PSU and motor anti-vibration circuit is a combination of the innovative P9 power supply along with an improved P25 anti-vibration motor drive feeding the P9 24V AC synchronous motor. The TT PSU 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 TT PSU 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 stabilised DC power supply, generates a 24Volt AC balanced signal of less than 0.05% 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 33/45-RPM DC relay control voltage used to activate the anti-vibration circuit.



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