



THE ILLUSTRATED GUIDE TO THE TTPSU



The Rega **TTPSU** (TurnTable Power Supply Unit) provides power for Rega turntables with 24 Volt Motors.

Tables that ship(ped) with an included TTPSU (50Hz):

RP8, RP6, P7, and P3/24 with glossy finishes!

Tables that ship(ped) with a 24V motor and can be upgraded with a TTPSU (60Hz):

RP3, P5, p3/24 with a non-glossy finish

Tables that require a **24V Motor Upgrade** before upgrading with a TTPSU (60Hz):

RP1, Planet, Planar 2, Planar 3, P25, P2/2000, P3/2000

Rega 24 Volt motors come in two different versions - 50 Hz and 60 Hz. Because most of the world uses 50 Hz, that is the “standard” Rega motor type. But because American Mains Power runs at 60Hz, special 60 Hz motors are required for those turntables that can be plugged straight into a US wall outlet (e.g. **RP3**).

When Rega design a table that includes a TTPSU as standard, and will therefore *never* be run off mains power directly, (such as **RP6**), rather than making a special version for the US they standardize manufacturing with 50Hz motors for all tables shipped worldwide.¹

Therefore there are currently two versions of the TTPSU in production at Rega, one for powering 50Hz motors, (when a TTPSU is included with the original table) and one for powering 60 Hz motors (when a TTPSU is purchased as an optional upgrade). *There are no external markings distinguishing one version from the other.* If using a TTPSU causes your Rega Turntable to spin at the wrong speed (~20% too slow or fast), you have a mismatch between the TTPSU and the table. For this reason it's very important that you keep packaged TTPSUs with the tables they came with.

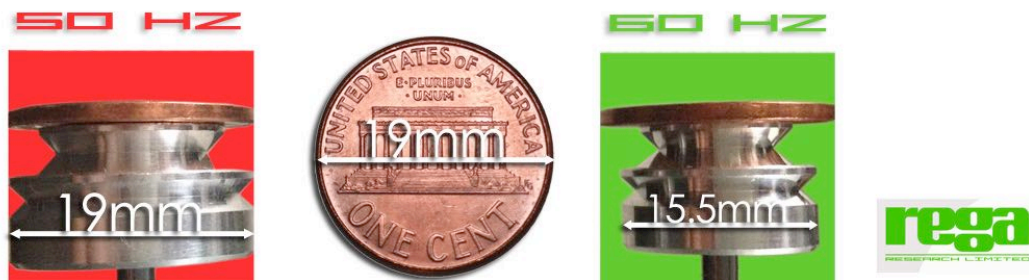
The “Off-The-Shelf” TTPSU that we offer at The Sound Organisation is the 60 Hz version for upgrading. If you need a service replacement for a 50Hz model, it's important to specify that when ordering. On the back of this sheet are images to help distinguish 50Hz motors and TTPSU circuit boards.

A customer moving to the US with a TTPSU need only switch out the wall wart to enjoy their music here. A customer emigrating with a 230V motor will need the 24V motor upgrade.

¹ Gloss finish P3/24s always had a TTPSU included, but it was during the run of that model that Rega shifted production from special 60 Hz versions for the US only to standardized 50Hz versions for use worldwide. If you need to replace the TTPSU for a customer's old P3/24, make sure you correctly identify the motor as 50Hz or 60Hz.

The easiest way to distinguish a Rega turntable with a 50Hz motor is to examine the size of the motor pulley. The diameter of a 50Hz pulley is the same size as an American Penny.

REGA 24V MOTOR PULLEY



The best way to confirm your TTPSU as 50Hz or 60Hz is to play it with a turntable – if the playback is obviously at the wrong speed, you know what you have. Alternatively, you can open the casework and examine the circuit board. Check to see if there is an SMD installed at location R7 for 50Hz or R21 for 60Hz.

