



**POWER SUPPLY PS AC
2015-01**

Instruction manual

GENERAL DESCRIPTION:

The AC motor power supply generates dual sine wave output to control rotation and speed of the AC 24 pole synchronous motors. The signal is generated by quartz and controlled by a sophisticated computer based program. This allows for very smooth generation of the sine wave with very fine choice of speed. Each speed can be selected, finely adjusted independently and then stored in the memory. PS is factory preset. Connect motor cables to motor output.

Sometimes it will take a few hours for a new turntable to reach the correct speed. When the PS is unplugged preset speeds will be stored.

Technical data:

Mass:	2 kg
Size:	120x140x400 mm
Power consumption and input:	50w (110V or 230V/ 50-60Hz)
Output:	33,45 rpm (50 Hz, 110V)

Operation:

1. Press firmly the power button at the back panel. After 10 sec the PS is ready. The display will show 33 and above the start button a red LED will be shown. You can keep the PS switched on all the time.
2. By pressing the start button the red LED will turn green and the platter should start rotating. To stop platter simply press the start button again. The red LED will show and the platter will stop rotating.
3. Press the speed button and the selected speed will change from 33 to 45. Press again and it will return to 33.
4. Do not hold pressed start button before mains switch is on.

Fine speed adjustment:

Observe on a strobe disc if the bars are stationary. If not (bars move in the same direction as platter rotation then the speed is too high) then press frequently the plus or minus buttons until the bars are stationary. On the display you will see a green dot in the right bottom corner indicating that change is in process. Using a pointed pen, press the store button and the green dot will disappear. Check speed independently for both speeds. When using the strobe disc, be sure that you use properly. Check that you are looking at the correct speed and are using the correct strobe light (household light which depends on mains frequency).

Factory preset speed:

If you find out that your speed selection is out of range for some reason you should reset PS to factory set outputs.

Turn the power off, wait 10 sec and then press and hold speed button, then press power on. When display will show CU, release the speed button. The display will now show FA and then 33. Your PS is now preset for factory preset speeds.

Note:

Connecting PS to turntables like Stabi S turntables with AC 24 pole motor:

Stabi S turntables for 50Hz areas use standard PS output which is 50Hz.

Stabi S for 60Hz mains areas you need to ask for PS AC output version 60Hz.

If you use before old PS check at the rear frequency output: 50 or 60 Hz. If turntable was factory supplied to areas with 60Hz mains you will still need same output as before. This is related to motor pulley sizes.

In separate manual is a drawing and description how to connect 5pin DIN cable to motor itself.

Troubleshooting:

- A. To reach correct speed, adjusted it on the PS.
- B. If the speed is totally incorrect: Reset to factory preset.

After factory preset readjust fine speed.

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