

# PSU QUICK START TI-99/4A



RetroPower PSU



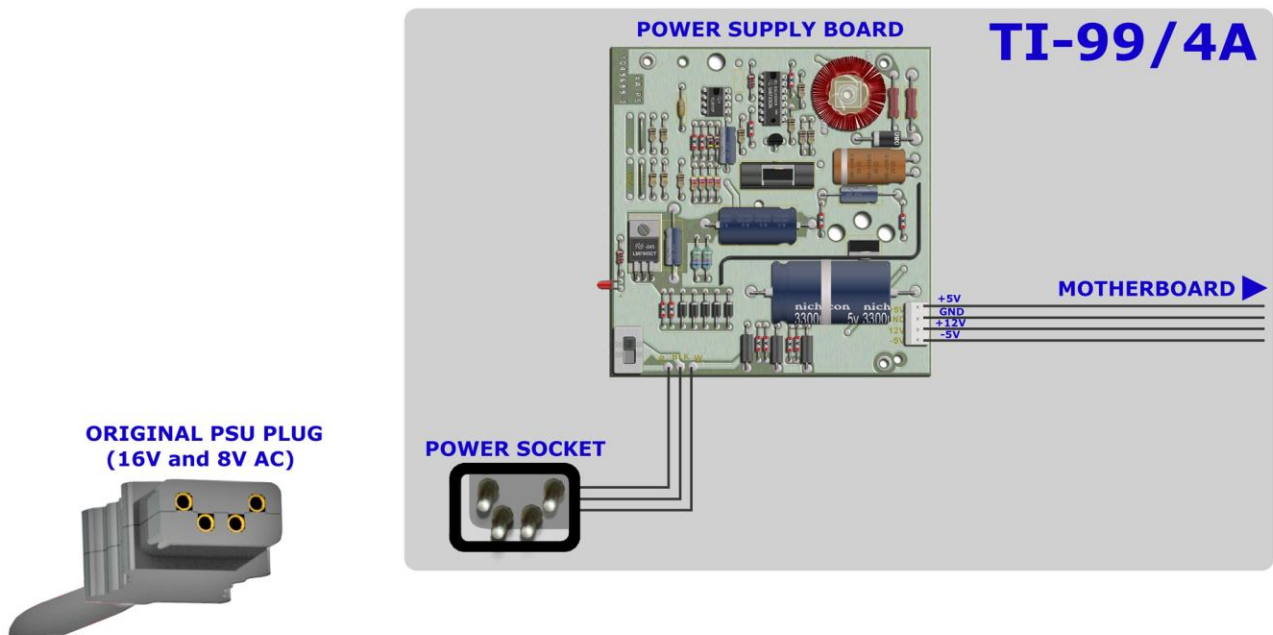
Modern

# VERY IMPORTANT INSTALLATION AND USAGE NOTICE

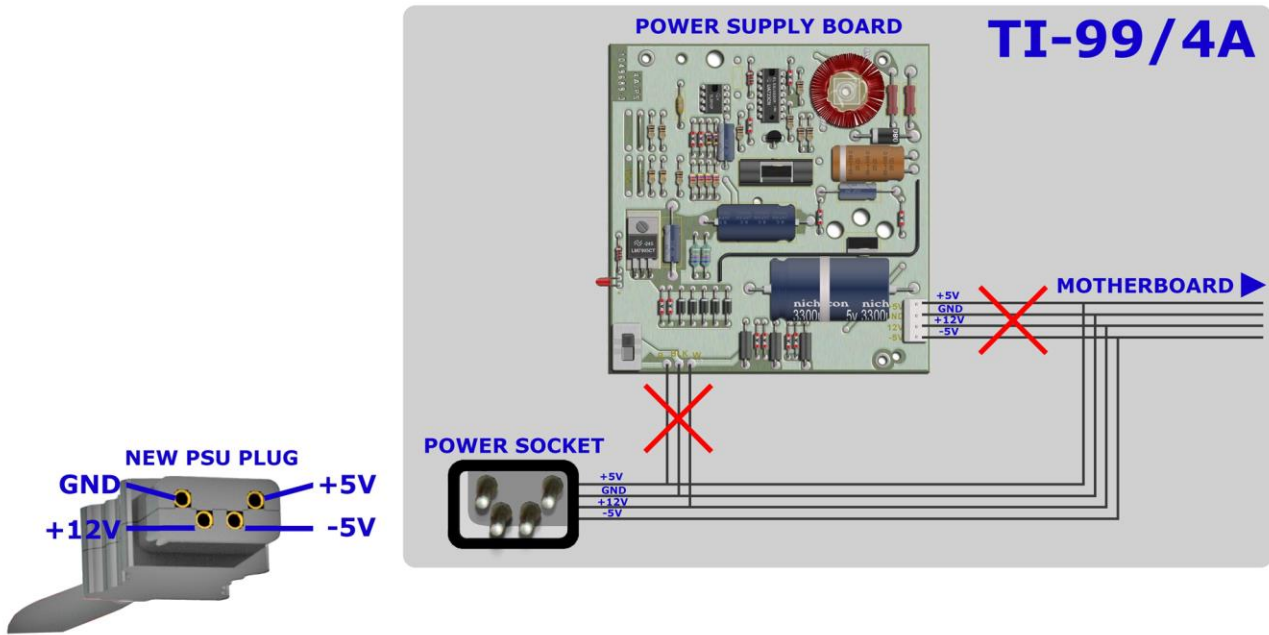
**Do not connect this power supply to your TI-99/4A without doing the modification described below!**

This modification should be done by a skilled technician only. The original TI-99/4A expects 8V AC and 16V AC supply voltage, and the internal power supply board converts it to +12V DC, +5V DC, and -5V DC.

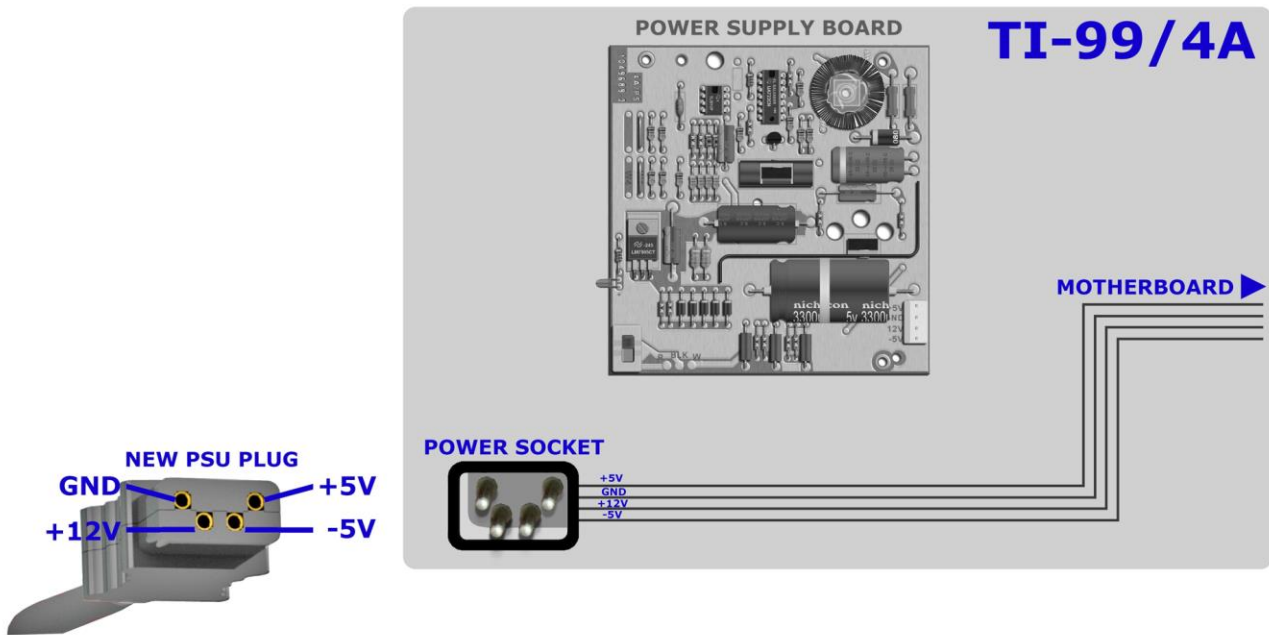
The original setup is shown on the scheme below.



Nowadays it seems unreasonable to build an external AC power supply and use the built-in converter board, which is usually 40+ years old. Therefore, our power supply generates +12V/+5V/-5V DC directly, meaning that disconnecting and bypassing the built-in PSU board is necessary. To do this modification, open the TI-99/4A, locate the cables to and from the built-in PSU board, and disconnect them.



Finally, solder the four wires from motherboard directly to the input power socket, bypassing the built-in power supply board. Use a voltmeter to determine the voltages on the cables. The new PSU pinout is shown for reference.



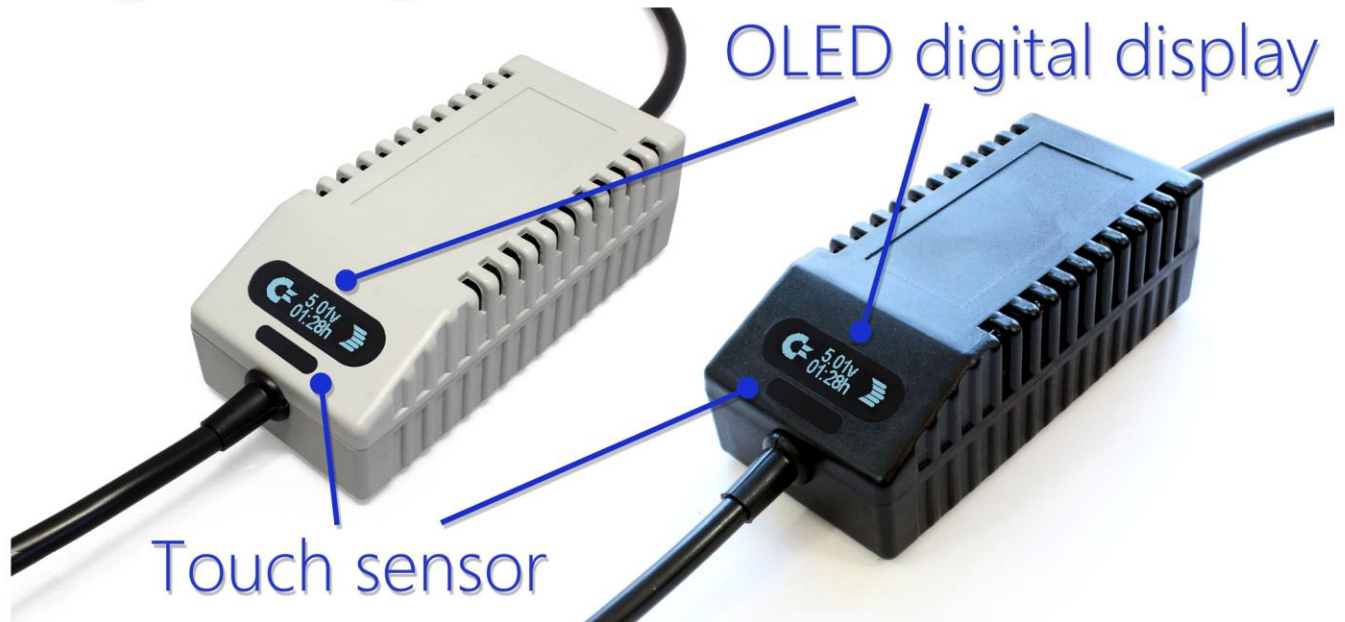
Double check the voltages before applying power to the motherboard. Incorrect voltages will definitely lead to irreversible damage to the motherboard and peripherals!



Touch sensor



OLED digital display



## IMPORTANT SAFETY INFORMATION

- Use only in combination with system specified above
- Hazardous voltage - do not open or tamper with
- Do not obscure ventilation holes
- For indoor use only
- Operating temperature range 10C...45C
- Do not expose to fire, liquids, high humidity, dust
- Do not short-circuit or exceed rated output current

