

## **So the ATX Watchdog scripts don't work with the PI 5. Well, here's a fix for that!**

The Pi 5 uses a separate chip for GPIO and the python library I'm using, does not support the new chip. This is an issue that many, many people have and will be experiencing.

Good news is that there is a library that is drop-in compatible with the one I'm using, so I didn't need to change any code in the scripts.

Here are the steps:

- 1) Modify /boot/config.txt to disable the power management check on power up. What happens is that if you're not using the smart 5v 5 amp USB wall wart then the Pi OS will alert you to this and that if you want to continue, you need to add a value to the config.txt file.
  - a. Open a command window and navigate to /boot.
  - b. Make a copy of config.txt in case you want to revert your changes in the future.  
`sudo nano config.txt` to open an editor
  - c. Scroll to the bottom of the page and add these lines:  
`#disable power management check`  
`usb_max_current_enable=1`
  - d. Save and exit the editor
- 2) Remove the existing python GPIO library:  
`sudo apt-get remove python3-rpi.gpio`
- 3) Disable a flag that prevents pip3 from installing a new library. This is done by renaming a file:  
`sudo mv /usr/lib/python3.11/EXTERNALLY-MANAGED /usr/lib/python3.11/EXTERNALLY-MANAGED.old`
- 4) Install the replacement library:  
`sudo pip3 install rpi-lgpio`
- 5) Reboot the Pi, this should cause the 'Boot Ok' led to go steady green.  
`sudo reboot`