Raspberry Pi Solar Panel Module Quick Start Guide

Quick Start Guide

1. Disconnect all power sources. Micro USB power should never be connected to the raspberry PI, it will get it's power from the solar power module.

2. Connect the solar power module to the Raspberry Pi and secure it with stand offs and screws.

3. Connect Interface cables such as ethernet or Video out to the Raspberry Pi.

4. Connect a battery to the male terminals labeled BAT- and BAT+, after a delay of around 10 seconds the Raspberry Pi LEDs will be turned on and the Pi will start to power up. The delay is there to give the user some to make the power connections and prevent power bounce going to the Pi.

5. Connect Solar Panel to the male terminals labeled GND and Panel +

6. Follow the software install section below.

Software Install

1. Download software from the product page(http://www.rpigear.com/solar-module/), copy it to any folder on the Raspberry Pi. While on the website, also download the user manual.

2. Unzip the .zip file, if working from command line use ***sudo unzip solar_pi_linux_2.3.zip***

3. Go into the unzipped install directory, ***cd solar_pi_linux_2.3/install/***

4. Make install.sh executable with ***sudo chmod 777 install.sh***

5. Run ***sudo ./install.sh -install***

6. Run ***solar_pi.sh -i2c_find*** to verify communication.

7. Run ***solar_pi.sh -help*** to see a full list of commands.

8. The .zip file and unzipped folder are not used any more, they can be deleted if needed.

9. Samples scripts can be found in /opt/solar/scripts.