

## Getting Started with SmartUPS

### **Before Getting Started Ensure:**

- Your Raspberry Pi has internet connection
- You have downloaded and extracted the SmartUPS.tar.gz file
  - Download from: <http://www.openelectrons.com/docs/viewdoc/11>
  - or run command on your Pi:
    - wget http://www.openelectrons.com/files/documents/SmartUPS.tar.gz
- Your SmartUPS has working batteries

### **Installing Drivers and Related Files**

- Navigate to extracted SmartUPS directory
- Type ls into terminal to make sure you have the following files:
  - install-SmartUPS.bash,
  - OEmessage.bash,
  - SmartUPS,
  - SmartUPS.cfg,
  - SmartUPS.sh,
  - SmartUPS.so,
  - uninstall-SmartUPS.bash,
  - upspanel
- Type command to begin install (or update):
  - sudo ./install-SmartUPS.bash
- Wait patiently**, for install can take up to ten minutes to complete depending on previous Raspberry Pi configuration and your internet speed.
- Reboot Raspberry Pi

### **Preconfigured Raspbian Wheezy image**

Instead of installing drive and related files, you can download the preconfigured Raspbian Wheezy image from following URL and create your SD card with it:

<http://www.openelectrons.com/docs/viewdoc/12>

alternately, you can download this image directly as:

```
wget http://openelectrons.com/files/documents/raspbian-wheezy-with-smartups.zip
```

To setup SD card, follow instructions from [http://elinux.org/RPI\\_Easy\\_SD\\_Card\\_Setup](http://elinux.org/RPI_Easy_SD_Card_Setup) (refer to 'Create your own' section).

### **Updating Drivers and Related Files**

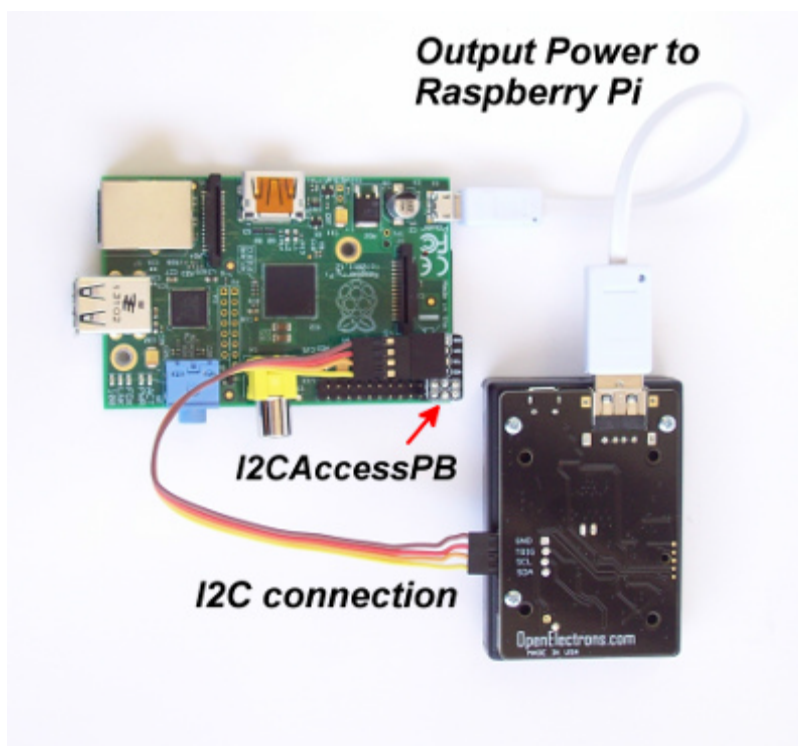
- Close upspanel if it is open.
- Follow instructions for Installing Drivers and Related Files
- Don't worry**, wait time will be much shorter than first install.

## Connecting Power

- Connect USB cable to micro-USB port of SmartUPS for input power.
- Connect USB cable to USB port of SmartUPS for output power.
- Connect other end of output power micro-USB cable to Raspberry Pi.

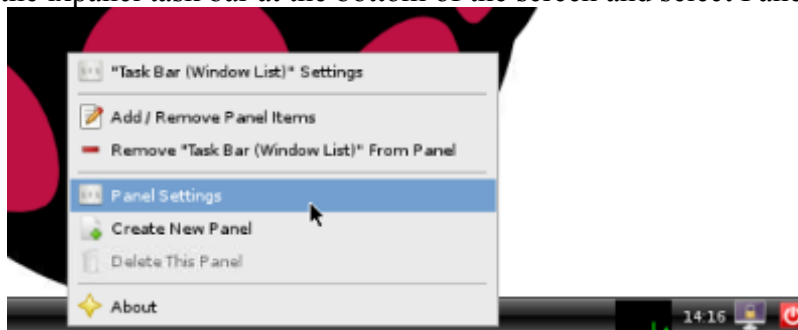
## Connecting I2C

- Connect I2CAccessPB onto GPIO pins.
- Insert male end of I2C cable to I2CAccessPB with arrow (brown wire) to GND.
- Break tab over SmartUPS I2C pins.
- Connect female end of I2C cable to SmartUPS I2C pins with arrow (brown wire) to GND.

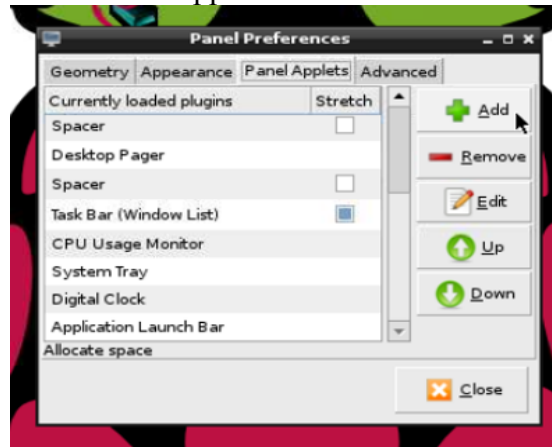


## Adding Plugin to lxpanel

- Right click the lxpanel task bar at the bottom of the screen and select Panel Settings



- Left click Add button under Panel Applets



- Select SmartUPS plugin and left click Add button



- Close Panel Preferences
- Task bar should have text icon displaying the status of your SmartUPS



## Running upspanel

- Left click the text icon displaying the status of your SmartUPS
- upspanel will open in a few seconds.