

Setup SD Card

This sequence sets up an SD card as used by 4tronix

Setup OS and I2C

1. Download the latest Raspbian image (currently 16/2/2015)
2. Use Win32DiskImager to copy the image to a blank SD card
3. Boot into the card and within raspi-config set up the following:
 - a. Boot to desktop
 - b. Resize the card
 - c. Advanced options, setup I2C and load on boot
4. Save and reboot
5. From LXTerminal:
 - a. `sudo apt-get update`
 - b. `sudo apt-get install python-smbus`
 - c. `sudo nano /etc/modules` and add "i2c-dev" as the last line

Install VNC

- `wget http://goo.gl/MbfUEp -O isx11.sh`
- `sudo bash isx11.sh`
- Depending on the VNC client you use, you may want to remove the `-display` and `-file` transfer commands from the startup file
 - `cd .config/autostart`
 - `sudo nano x11vnc.desktop`
 - remove everything after "Exec=x11vnc -forever -usepw" on that line
 - save and exit
- `sudo reboot`

Install and Test Pi2Go Software

- `wget http://4tronix.co.uk/pi2go.sh -O pi2go.sh`
- `bash pi2go.sh`
- `cd pi2go`
- `sudo python motorTest.py`