Commands issued to base image

Expand partition to max size of SD card

sudo apt-get update

sudo apt-get upgrade

sudo apt-get install git

sudo wget http://goo.gl/1BOfJ -O /usr/bin/rpi-update

sudo sudo chmod +x /usr/bin/rpi-update

sudo rpi-update

sudo shutdown -r now

sudo apt-get install mpg123 alsa-utils alsa-base

sudo groupadd fppUsers

sudo usermod -g fppUsers pi

sudo apt-get install apache2 php5 libapache2-mod-php5

sudo service apache2 restart

sudo apt-get install php5-cgi

sudo chown -R pi /var/www

sudo apt-get install vsftpd

**Edit your vsftpd**.conf file, usually located at /etc/vsftpd.conf. For example use 'sudo nano /etc/vsftpd.conf'. Change **anonymous\_enable=YES** to **anonymous\_enable=NO**, Uncomment **local\_enable=YES** and **write\_enable=YES**, then go to the bottom of the file and add **force\_dot\_files=YES**. Now save and exit the file.

sudo service vsftpd restart

Install WiringPi

git clone git://git.drogon.net/wiringPi (Or copy wiringPi directory from PC)

cd wiringPi

./build

Test with

gpio -v

gpio readall

mkdir /home/pi/fpp

Then upload Webpage to /var/www

sudo chmod 755 -R /var/www

rm index.html

Then upload FPPD files

Add www-data to fppusers group

sudo usermod -g fppUsers www-data

sudo mkdir /mnt/media

1. Place this is /etc/rc.local file
   1. /usr/local/bin/gpio load spi 100
2. Place this in /etc/fstab file
   1. /dev/sda1 /mnt/media auto user,rw,auto,nofail,umask=111,dmask=000,flush 0 0
3. Use “dpkg-reconfigure tzdata” to change timezone.