

Install Raspberry Pi

- Install Raspberry pi according to directions
- Get lapdock
- Get cables
- Hardware hack
- Software hack
- References

Raspbian Wheezy

- Install the distribution on an SD card
- Connect and boot up
- Run raspi-config and enable ssh (among others)
- You can now ssh into the Rpi if you want now
- add wpa_supplicant config file to enable wifi, and put wifi usb dongle in place. reboot.

wpa_supplicant.conf

```
ctrl_interface=DIR=/var/run/wpa_supplicant GROUP=netdev
update config=1
network={
 ssid="My Home Network"
 proto=RSN
 key_mgmt=WPA-PSK
 pairwise=CCMP TKIP
 group=CCMP TKIP
 psk="<redacted>"
network={
 ssid="heatsynclabs"
 proto=RSN
 key_mgmt=WPA-PSK
 pairwise=CCMP TKIP
 group=CCMP TKIP
 psk="hacktheplanet"
network={
 ssid="Gangplank"
 proto=RSN
 key_mgmt=WPA-PSK
 pairwise=CCMP TKIP
 group=CCMP TKIP
 psk="walktheplank"
```

Materials

- Motorola Lapdock for Altrix 4G (other ones would probably do alright)
- Female to Male μusb cable
- Female μhdmi to male hdmi adapter
- Normal hdmi cable
- Normal usb cable

Hack Hardware

- Cut μusb cable in half; strip red, black, white and green wires then other half strip red and black only.
- Then cut normal usb cable to length and strip white and green.
- it turns out that red and black are power and ground, and white and green are kbd and mouse
- solder red and black leads together for μusb and white and green for regular usb cable
- then put heatshrink around all to cover a multitude of sins, but I won't tell!

Software Hack

- need to edit inittab to not use tty for the console
- needed to map a key (maybe because of it being a UK keyboard?)

```
if [ `hostname` = "raspberrypi" ]; then
    xmodmap -e "keycode 94 = backslash bar"
fi
```

References

- raspberrypi.org
- http://www.youtube.com/ watchfeature=player_embedded&v=yZkz_a52 l6s
- http://rpidock.blogspot.com/2012/05/ raspberry-pi-and-motorola-lapdock.html
- google is your best friend