

The following is offered as a guide to help you set up the Raspberry Pi and a DVAP dongle, neither the author or anyone involved with the ICQ podcast accept any responsibility if you break something or mess it up in the process of doing this – if your unsure install the software on a different SD card until your sure you know what you are doing..

Setting up the Raspberry pi and DVAP Dongle –

You will need – an internet connected Raspberry Pi, SD Card installed with the Raspian Wheezy 2013-02-09 Flavour of linux. (free download at <http://www.raspberrypi.org/>) and of course a dvap dongle. I have the 2m version, but I see no reason this should not work with the 70cms version. (don't quote me though!) *I did not write the following, I merely compiled it from various sources.*

First things first, and I assume you have booted your pi to a terminal prompt. (Note – all commands are case sensitive and should be entered without speech marks.

- Update the pi – from the terminal window run

“**sudo apt-get update**” and press enter. Depending on the speed of your internet connection, this may take some time (mine took half an hour over 3g!). Answer yes if it asks you to continue.

*Although not necessary if you are connected via a TV set, I recommend installing VNC, this will allow you to control the pi from a tablet or smart phone, easy instructions on doing this are available by googling “**install vnc on raspberry pi**” You will of course need to install a VNC viewer on your tablet device.*

Now its time to install the DVAP Software. The following information has been found on numerous websites and appears to be instructions written by Robin (AA4RC).

- From the terminal window run
“**sudo apt-get install qt4-dev-tools**”.
Answer "Y" when prompted.
- Once completed, in the terminal window run:
"**curl -O http://opendstar.org/tools/DVAPTool-1.04-rpi.tgz**"
- Again, once completed, from the terminal window run:
"**sudo tar xzPf DVAPTool-1.04-rpi.tgz**"
- Now its time to test.. ensure you are now booted into the pi gui, and open the desktop terminal window. Type “**./DVAPTool**”

Hopefully, you will be presented with the familiar DVAP Tool screen.. Your set to go.

Final Note : Each time you restart your PI you will need to re-launch the software as per the final step above. There are instructions to do this on the Yahoo DVAP Dongle group, although I have not personally tried this.