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Just thought I would share - Complete raspbian setup for u301



joseph schisser Posts: 1 FreedomPop Newbie

April 4 in U301 Stick

First off you will need a powered USB hub as neither the raspi model B or the raspi 2 can provide enough power to boot/run the modem. You can then follow these steps to set up your modem.

1> Update raspian and install ppp and wvdial packages

```
apt-get update
apt-get upgrade
apt-get install ppp wvdial
```

2> edit /etc/wvdial.conf

```
[Dialer Defaults]
Modem = /dev/ttyUSB0
Baud = 460800
Init1 = ATZ
Init2 = ATQ0 V1 E1 S0=0 &C1 &D2 +FCLASS=0
Modem Type = Analog Modem
ISDN = 0
Phone = #777
Username = ''
Password = ''
Carrier Check = no
Stupid Mode = yes
```

3> modify /etc/ppp/peers/wvdial

```
noauth
name wvdial
# uncomment usepeerdns if you want to use your carriers dns server.
# Leave commented if you are using google dns 8.8.8.8/8.8.4.4 or other publicly available dns servers
#usepeerdns
defaultroute
replacedefaultroute
```

4> If you want the modem to dial automatically when connected create /etc/udev/rules.d/85-autodial-usb-modem.rules

```
ACTION=="add", SUBSYSTEM=="usb", ATTRS{idVendor}=="16d8", ATTRS{idProduct}=="6008", RUN+="/usr/bin/wvdial"
```

5> restart udev service

```
service udev restart
```

6> connect your powered hub to your raspi

7> connect your u301 to your powered hub.

After about 10 seconds you should have connectivity. To verify that your traffic is connecting via the modem look at your routing table (route -n) and you should see something like this:

```
% sudo route -n
Kernel IP routing table
Destination Gateway Genmask Flags MSS Window irtt Iface
0.0.0.0 0.0.0.0 0.0.0.0 U 0 0 0 ppp0
66.1.76.193 0.0.0.0 255.255.255.255 UH 0 0 0 ppp0
172.16.0.0 0.0.0.0 255.255.255.0 U 0 0 0 eth0
```

Comments



Justin Goetz Justin Goetz Posts: 2 FreedomPop Newbie

April 5

Thank you so much, this worked for me!



gerry Posts: 13 FreedomPop Newbie

April 21

Does this work for 3g 4g or both?

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