

## **Using Tata Indicom Mobiles / USB Modems on Linux**

Follow the below steps to configure your Tata Indicom Mobile / Walky / USB Modem using USB data cable.

1. We can access internet only using USB cable / USB Devices on Linux OS.
2. Driver's installation for USB data cable is not required in Linux OS.
3. The device can only be accessed from root login which is admin login in Linux OS
4. Linux OS has 2 types of desktop environments Gnome and KDE. We can configure using any of the desktop environments, either Gnome or KDE.

The following version of Linux are supported.

**Redhat Enterprise Linux 3 & above**

**Fedora Core 5,6 & above**

**SUSE Desktop Linux 9,10 & above**

**Debian Linux 5,6 & above**

**Ubuntu Linux 5,6 & above**

List of Tata Indicom Devices which are supported on Linux.

<b>Supported Models in Linux</b>	
<b>Nokia</b>	All Nokia Models
<b>Motorola</b>	MotoRazr / Worldphone
<b>Pantech</b>	PA711 / PA715 Slider
<b>LG</b>	5235, 6335, 350T Walky
<b>Samsung</b>	Wideo, DUO, T-Nimbus
<b>Huawei</b>	EC-321 / EC-325
<b>Sungill</b>	USB Modem Plug2surf

The following models are not supported in Linux

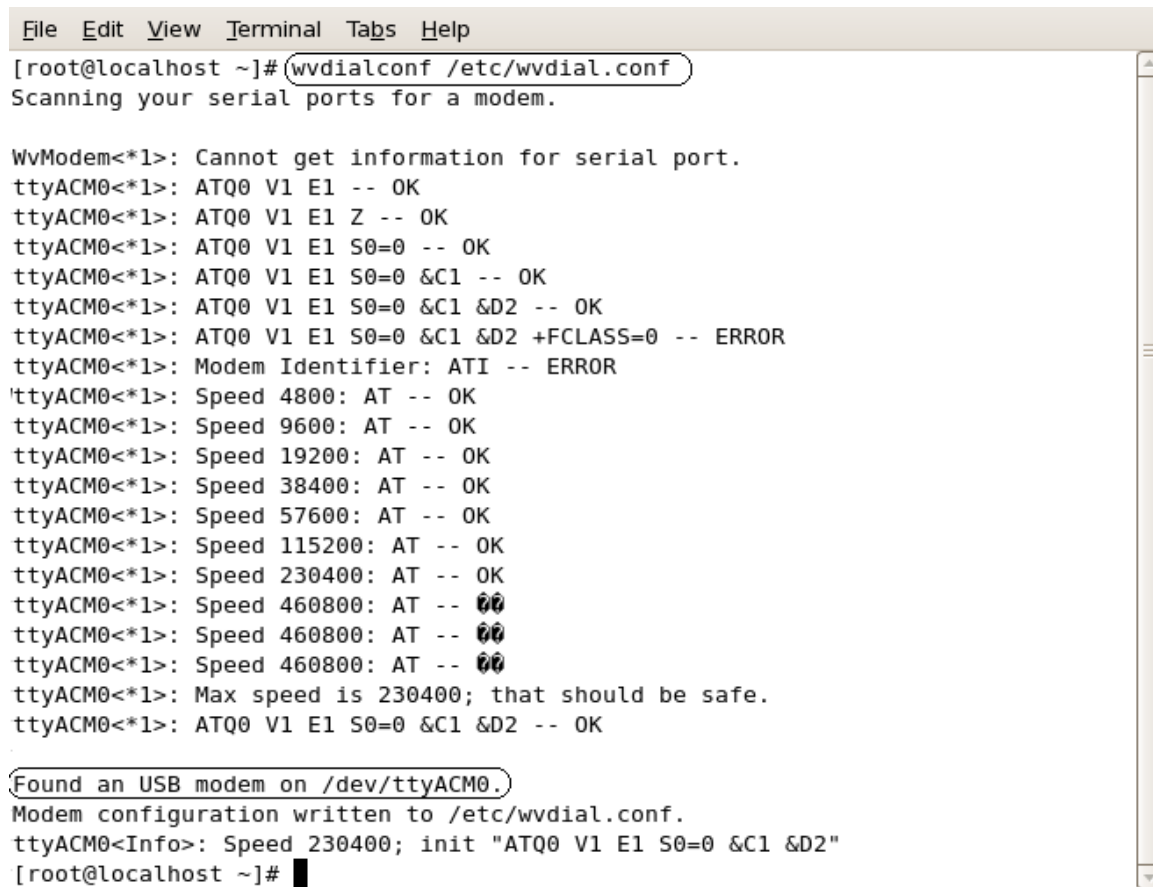
<b>Models not Supported in Linux</b>	
<b>Kyocera</b>	All models
<b>Sierra</b>	Air card 555
<b>Huawei</b>	C-506,5300

## Steps to configure Modem in Linux OS

1. Connect the Mobile / Modem with data cable and the USB port of Desktop / Laptop
2. Please ensure that the device is connected properly.
3. Now login to the Graphical Interface and open the terminal from the Applications.  
Terminal can be found at this location

Applications → Accessories → Terminal  
Applications → System Tools → Terminal

4. In the terminal type the following command **wvdialconf /etc/wvdial.conf** which will detect the modem and installs it for internet connection.

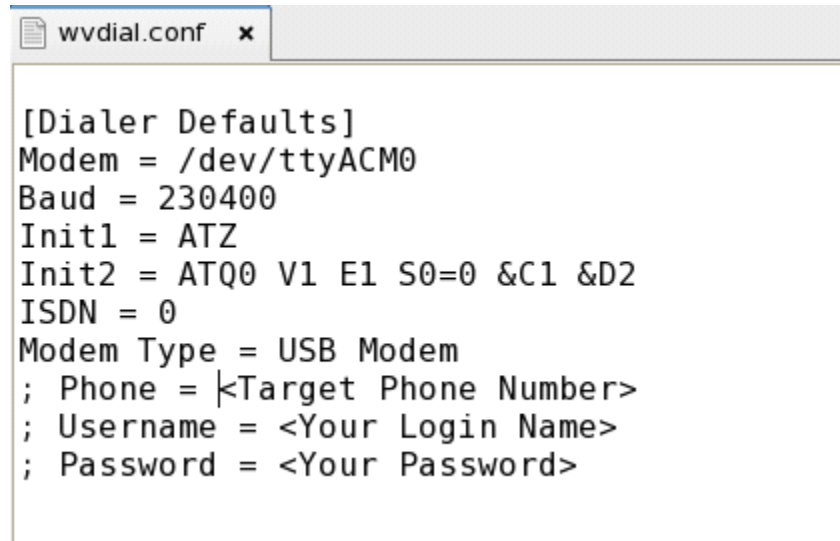


```
File Edit View Terminal Tabs Help
[root@localhost ~]# wvdialconf /etc/wvdial.conf
Scanning your serial ports for a modem.

WvModem<*1>: Cannot get information for serial port.
ttyACM0<*1>: ATQ0 V1 E1 -- OK
ttyACM0<*1>: ATQ0 V1 E1 Z -- OK
ttyACM0<*1>: ATQ0 V1 E1 S0=0 -- OK
ttyACM0<*1>: ATQ0 V1 E1 S0=0 &C1 -- OK
ttyACM0<*1>: ATQ0 V1 E1 S0=0 &C1 &D2 -- OK
ttyACM0<*1>: ATQ0 V1 E1 S0=0 &C1 &D2 +FCLASS=0 -- ERROR
ttyACM0<*1>: Modem Identifier: ATI -- ERROR
ttyACM0<*1>: Speed 4800: AT -- OK
ttyACM0<*1>: Speed 9600: AT -- OK
ttyACM0<*1>: Speed 19200: AT -- OK
ttyACM0<*1>: Speed 38400: AT -- OK
ttyACM0<*1>: Speed 57600: AT -- OK
ttyACM0<*1>: Speed 115200: AT -- OK
ttyACM0<*1>: Speed 230400: AT -- OK
ttyACM0<*1>: Speed 460800: AT -- 00
ttyACM0<*1>: Speed 460800: AT -- 00
ttyACM0<*1>: Speed 460800: AT -- 00
ttyACM0<*1>: Max speed is 230400; that should be safe.
ttyACM0<*1>: ATQ0 V1 E1 S0=0 &C1 &D2 -- OK

Found an USB modem on /dev/ttyACM0.
Modem configuration written to /etc/wvdial.conf.
ttyACM0<Info>: Speed 230400; init "ATQ0 V1 E1 S0=0 &C1 &D2"
[root@localhost ~]#
```

5. Run the following command from terminal window **gedit /etc/wvdial.conf** which will open the configuration file as shown below.



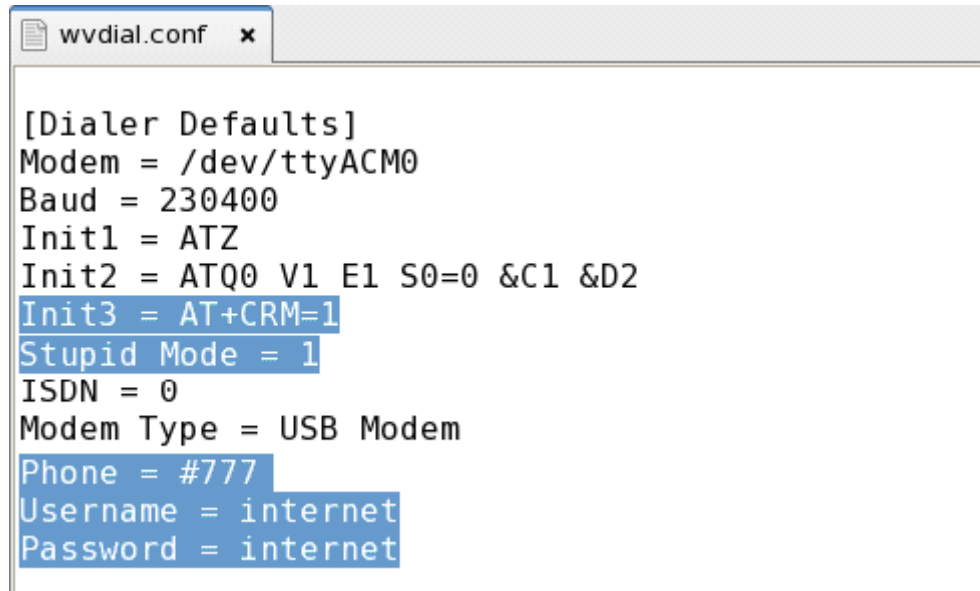
```
[Dialer Defaults]
Modem = /dev/ttyACM0
Baud = 230400
Init1 = ATZ
Init2 = ATQ0 V1 E1 S0=0 &C1 &D2
ISDN = 0
Modem Type = USB Modem
; Phone = <Target Phone Number>
; Username = <Your Login Name>
; Password = <Your Password>
```

6. Make the following changes in the configuration file.

1. Delete the semi colon before last three lines phone, username, password
2. Enter phone no **#777** username and password **internet**.
3. add this 2 extra lines in the configuration file at the last

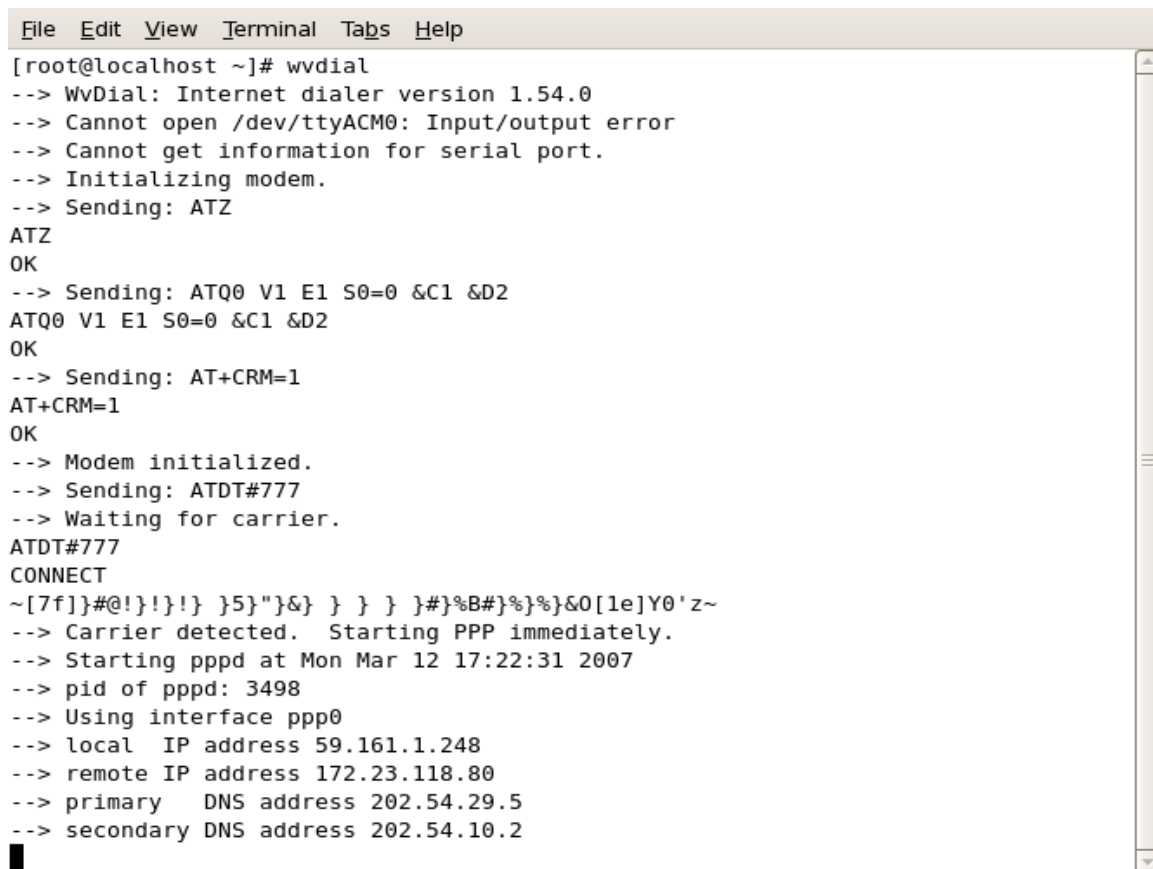
**Init3 = AT+CRM=1**  
**Stupid Mode = 1**

7. Please find the screenshot of configuration file after all the changes are done. Save the file and exit from the gedit application.



```
wvdial.conf
[
  [Dialer Defaults]
  Modem = /dev/ttyACM0
  Baud = 230400
  Init1 = ATZ
  Init2 = ATQ0 V1 E1 S0=0 &C1 &D2
  Init3 = AT+CRM=1
  Stupid Mode = 1
  ISDN = 0
  Modem Type = USB Modem
  Phone = #777
  Username = internet
  Password = internet
]
```

8. Now run the command **wvdial** from terminal which will connect to the internet.



```
File Edit View Terminal Tabs Help
[root@localhost ~]# wvdial
--> WvDial: Internet dialer version 1.54.0
--> Cannot open /dev/ttyACM0: Input/output error
--> Cannot get information for serial port.
--> Initializing modem.
--> Sending: ATZ
ATZ
OK
--> Sending: ATQ0 V1 E1 S0=0 &C1 &D2
ATQ0 V1 E1 S0=0 &C1 &D2
OK
--> Sending: AT+CRM=1
AT+CRM=1
OK
--> Modem initialized.
--> Sending: ATDT#777
--> Waiting for carrier.
ATDT#777
CONNECT
~[7f]}#@!}!!} }5}"&} } } } }#}%B#}%}%}&O[1e]Y0'z~
--> Carrier detected. Starting PPP immediately.
--> Starting pppd at Mon Mar 12 17:22:31 2007
--> pid of pppd: 3498
--> Using interface ppp0
--> local IP address 59.161.1.248
--> remote IP address 172.23.118.80
--> primary DNS address 202.54.29.5
--> secondary DNS address 202.54.10.2
```

9. Open browser and start browsing.
10. If not able to browse run this command in the terminal once and the system is ready for browsing. **cp /etc/ppp/resolv.conf /etc/** this copy the file, it will ask for conformation to overwrite say **Y** to overwrite.

```
File Edit View Terminal Tabs Help
[root@localhost ~]# cp -f /etc/ppp/resolv.conf /etc/
cp: overwrite `/etc/resolv.conf'? y
[root@localhost ~]# █
```

11. To end the data call close the terminal or press **Ctrl + C**

```
Caught signal #2! Attempting to exit gracefully...
--> Terminating on signal 15
--> Connect time 0.3 minutes.
--> Disconnecting at Mon Mar 12 17:22:52 2007
[root@localhost ~]# █
```