

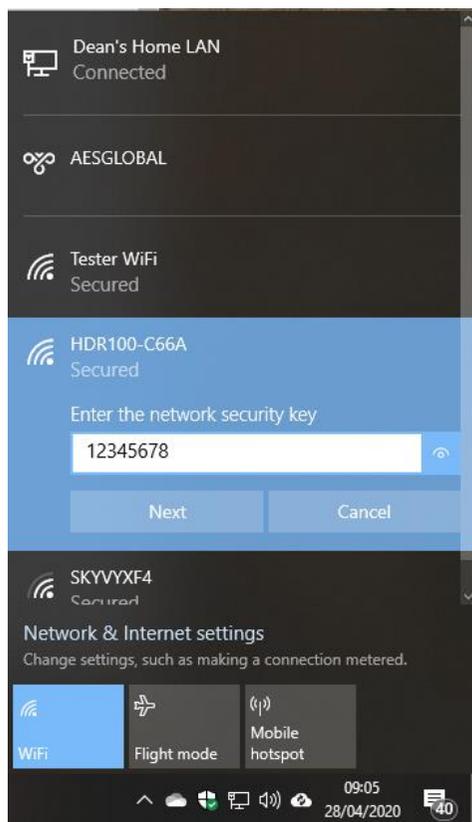


How To Set the APN on our **4G Modem!**



The 4G modem uses the 4G cellular network to create a wifi & LAN connection for your intercom. For the system to work correctly you must ensure that the SIM being used has a data plan and is activated on the network with the ability to run on the 4G frequencies. (If it is a Pay As You Go SIM please ensure it is topped up with credit).

You can test the connection by using a phone to connect to the network, opening your browser and searching a web page. If a web page does not load then we need to check the modem settings and possibly manually set the APN.

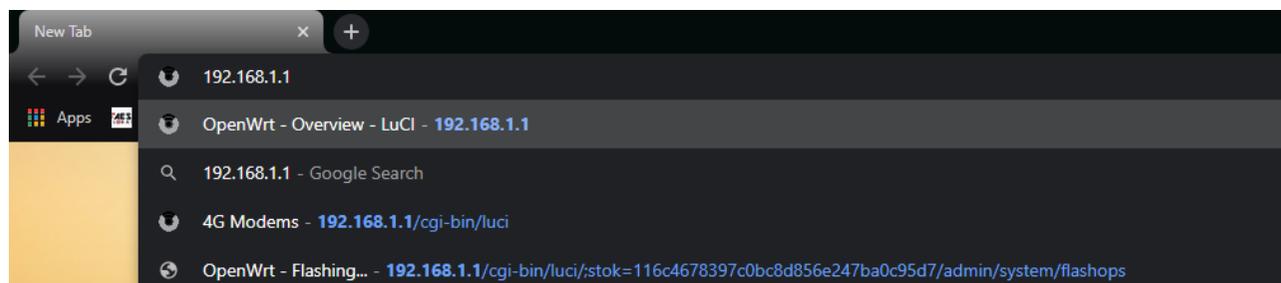


1. Connect to HDR Wifi network

Default Password is: 12345678

2. Find the modem login page address.

Locate IP address on side of 4G modem (usually 192.168.1.1) & Type IP address in to the browser of the device that is connected to HDR network.



3. Log in to modem:

Username = root, Password = admin

OpenWrt

Authorization Required

Please enter your username and password.

Username

Password

Powered by [LuCI Trunk \(svn-r39\)](#) OpenWrt Barrier Breaker 14.07

OpenWrt [Status](#) [System](#) [Services](#) [Network](#) [Logout](#)

Status

System

Hostname	OpenWrt
Model	MT7620
Firmware Version	HDR1004GO_B01V12 / OpenWrt Barrier Breaker 14.07 / LuCI Trunk (svn-r39)
Kernel Version	3.10.14
Local Time	Tue Apr 28 06:08:32 2020
Uptime	0h 30m 23s
Load Average	0.22, 0.15, 0.14

Memory

Total Available	44184 kB / 60932 kB (72%)
Free	29708 kB / 60932 kB (48%)
Cached	10700 kB / 60932 kB (17%)
Buffered	3776 kB / 60932 kB (6%)

Network

IPv4 WAN Status	 ? Not connected
IPv6 WAN Status	 ? Not connected
Active Connections	0 / 16384 (0%)

4. Check if there is a connection.

If there is no IP address assigned, then you are not connected to the network. Follow the next steps to set the APN.

Note: No data on SIM on SIM not activated / available to us on 4G will cause this issue as well.

OpenWrt Status System Services Network Logout AUTO REFRESH ON

WAN WAN6 LAN

Interfaces

Interface Overview

Network	Status	Actions
LAN br-lan	Uptime: 0h 32m 3s MAC-Address: 38:1C:4A:06:C6:6A RX: 251.17 KB (3107 Pkts.) TX: 353.02 KB (1564 Pkts.) IPv4: 192.168.1.1/24 IPv6: FD54:A449:DCE1:0:0:0:1/60	Connect Stop Edit Delete
WAN 3g-wan	RX: 0.00 B (0 Pkts.) TX: 0.00 B (0 Pkts.)	Connect Stop Edit Delete
WAN6 @wan	MAC-Address: 00:00:00:00:00:00 RX: 0.00 B (0 Pkts.) TX: 0.00 B (0 Pkts.)	Connect Stop Edit Delete

Edit this interface

5. Setup WAN details

Select **'Network > Interfaces'**.

Under the **'WAN'** section, click **'edit'**.

Under **'Protocol'** select **'UMTS/GPRS/EV-DO'**

Under **'Modem Device'** select **'/dev/ttyPPP'**

Enter the relevant **APN*** of the sim card

Click on **'Save & Apply'**.

The modem may reboot and disconnect you from the wifi connection. If so reconnect and refresh the web page.

*APN for your network can be obtained from the network provider or check our quick reference guide by speaking to a member of our technical team.

OpenWrt Status System Services Network Logout AUTO REFRESH ON

WAN WAN6 LAN

Interfaces - WAN

On this page you can configure the network interfaces. You can bridge several interfaces by ticking the "bridge interfaces" field and enter the names of several network interfaces separated by spaces. You can also use VLAN notation INTERFACE.VLANNR (e.g.: eth0.1).

Common Configuration

General Setup **Advanced Settings** Firewall Settings

Status RX: 0.00 B (0 Pkts.)
TX: 0.00 B (0 Pkts.)

3g-wan

Protocol: UMTS/GPRS/EV-DO

Modem device: /dev/ttyPPP

Service Type: UMTS/GPRS

APN: wap.vodafone.co.uk

PIN:

PAP/CHAP username:

PAP/CHAP password:

Save & Apply **Save** **Reset**

OpenWrt Status System Services Services Network Logout

System
Administration
Software
Startup
Scheduled Tasks
Mount Points
Backup / Flash
Firmware
Custom Commands
Reboot
Modem Settings

modem

Here you can configure the basic settings of the modem like its register apn or reboot modem

Modem Settings

APN for Register 4G Network(Press 'Enter' to take effect immediately)

Re-register Network

Reset Modem

6. Set APN in settings

Select '**System > Modem Settings**'.

Enter the APN* again and click on '**Save & Apply**'.

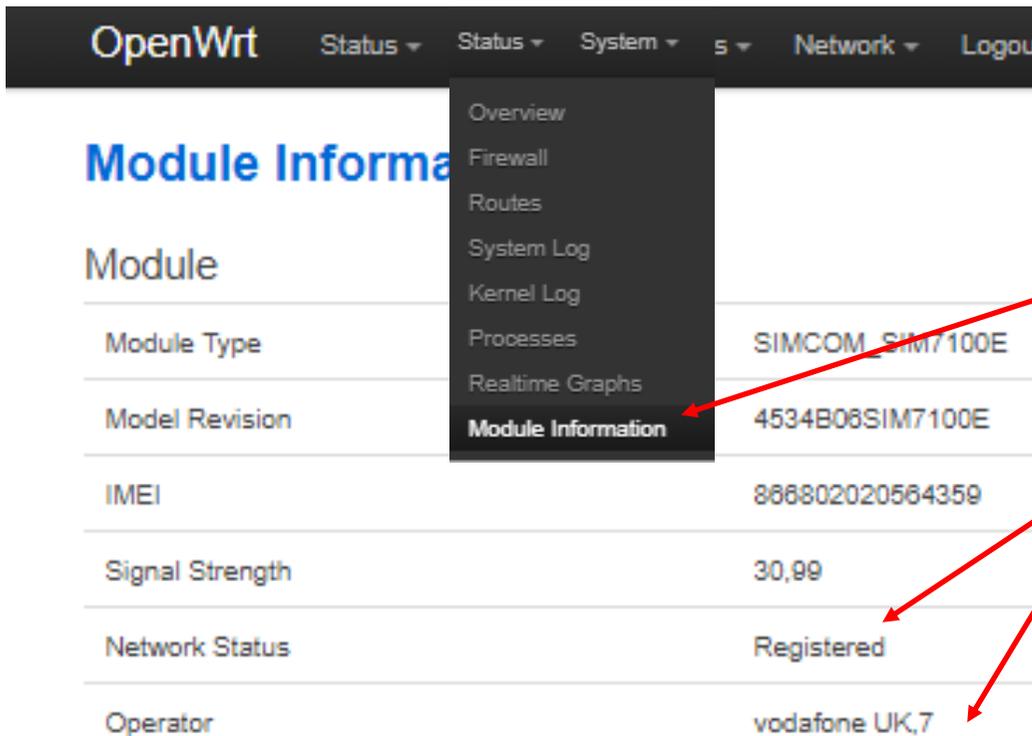
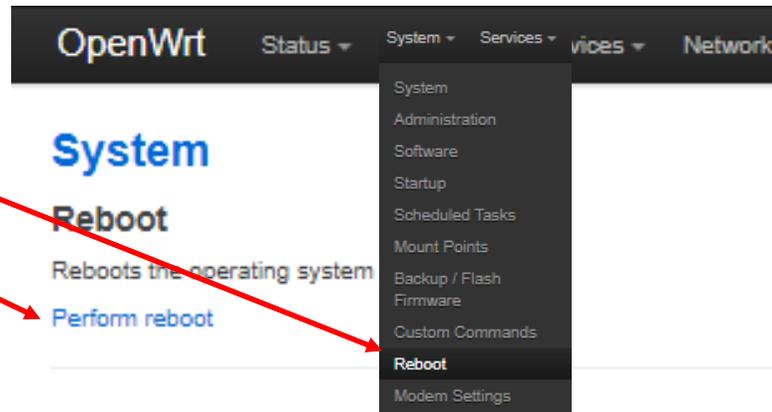
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7. Reboot the modem

Select 'System > Reboot'.

Click on 'Perform Reboot'.



8. Select 'Status > Module Information'.

Check that the 'Network Status' is registered and check the 'Operator'

e.g. Vodafone UK, 2 (2= 3G network, 7= 4G network).

You can also check the System Overview page to check that the IPv4 has been assigned an IP address assigned, then you are not connected to the network. Follow the next steps to set the APN.

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'ACCESS THE FUTURE'

Contact Us

Thank you for staying
connected with AES.

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