G L B A L

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 the 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.





OpenWrt Stat	us + System +	Services + Network	:≁ Logout
Status			
System			
Hostname		OpenWrt	
Model		MT7620	
Firmware Version		HDR1004G	O_B01V12 / OpenWrt Barrier Breaker 14.07 / LuCI Trunk (svn-r39)
Kernel Version		3.10.14	
Local Time		Tue Apr 28	08:08:32 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	

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.



IAN WAN6		AU IU REFREGA S	5. Setup WAN details Select 'Network > Interfaces'
terfaces			Select Network > Interfaces .
erface Overvie	ew		Under the 'WAN' section, click 'edit'.
letwork	Status	Actions	
LAN	Uptime: 0h 32m 3s MAC-Address: 38:1C:4A:06:C6:6A	🗳 Connect 🔕 Stop 🛃 Edit 💌 Delete	
br-lan	RX: 251.17 KB (3107 Pkts.) TX: 353.02 KB (1564 Pkts.) IPv4: 192.168.1.1/24		
WAN	1PV6: PD94:A446:DCE1:0:0:0:0:1/60	Connect Ston	
3g-wan	RX: 0.00 B (0 Pkts.) TX: 0.00 B (0 Pkts.)	Edit this interface	
WAN6	MAC-Address: 00:00:00:00:00:00	🗳 Connect 🔞 Stop 🛃 Edit 💌 Delete	
@wan	TX: 0.00 B (0 Pkts.)		
			WAN WANE LAN
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Unde Unde Ente Click The mod connect	er ' Protocol ' select ' UN er ' Modem Device ' sele er the relevant APN * of a on ' Save & Apply '. dem may reboot and d tion. If so reconnect an or your network can be er or check our quick ref	ATS/GPRS/EV-DO' ect '/dev/ttyPPP' the sim card lisconnect you from the wifi d refresh the web page. obtained from the network ference guide by speaking to	WN VANE LAN Interfaces - WAAN Children endowski interfaces. You can bridge several interfaces by ticking the "bridge interfaces" field and enter the name network interfaces separated by spaces. You can also use <u>VLAN</u> notation INTERFACE.VLANNR (e.g.; ethe.1). Common Configuration Image: Common Configuration INTERFACE.VLANNR (e.g.; ethe.1). General Setup Advanced Settings Frewall Settings Status Image: RX: 0.00 B (0 Pkts.) TX: 0.00 B (0 Pkts.) Protocol UMTS/GPRS/EV-DO Image: RX: 0.00 B (0 Pkts.) Wodem device idevittyPPP Image: RX: 0.00 B (0 Pkts.) Very UMTS/GPRS/EV-DO Image: RX: 0.00 B (0 Pkts.) Protocol UMTS/GPRS Image: RX: 0.00 B (0 Pkts.) Protocol Image: RX: 0.00 B (0 Pkts.) Image: RX: 0.00 B (0 Pkts.) Protocol Image: RX: 0.00 B (0 Pkts.) Image: RX: 0.00 B (0 Pkts.)

Save & Apply Save Reset

OpenWrt Status -	^{System} * Services * Services * Network * Logout
modem Here you can configure the bas	Administration Software Slartup Scheduled Tasks Mount Points todem like its register apn or reboot modem Backup / Flash
Modem Settings	Firmware Custom Commands Reboot Modem Settings
APN for Register 4G Network(Press 'Enter' to take effect immediately)	wap.vodafone.co.uk
Re-register Network	Re-register/Network
Reset Modem	Reset Modem
	Save & Apply Save Reset
6. Set APN in setti	ngs
Select ' System >	Modem Settings'.
Enter the APN*	again and click on 'Save & Apply'.
The modem may re the web page.	boot and disconnect you from the wifi connection. If so reconnect and refresh
*APN for your netw guide by speaking t	ork can be obtained from the network provider or check our quick reference o a member of our technical team.



OpenWrt	Status +	Status +	System +	5 -	Network +	Logour		
		Overview						
Module I	nforma	Firewall						8. Se
		Routes						
Module		Kornel Lo	.og va					Chec
Module Type		Processe	-9 15	s	IMCOM SHM	100E		the '
Medel Revision		Realtime	Graphs		524D08QIM74	005		e.g.
WODEL REVISION	1	Module In	nformation	-	00460031MI/1	UUE		V
IMEI				8	86802020564	359	Λ	, YC
				-				chec
Signal Strength	1			30	0,99		1	assig
Network Status	5			R	egistered			Follo
Operator				v	odafone UK.7			Note:
								4G w

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.

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



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