

Configuring Huawei Modem for SpinTel NBN

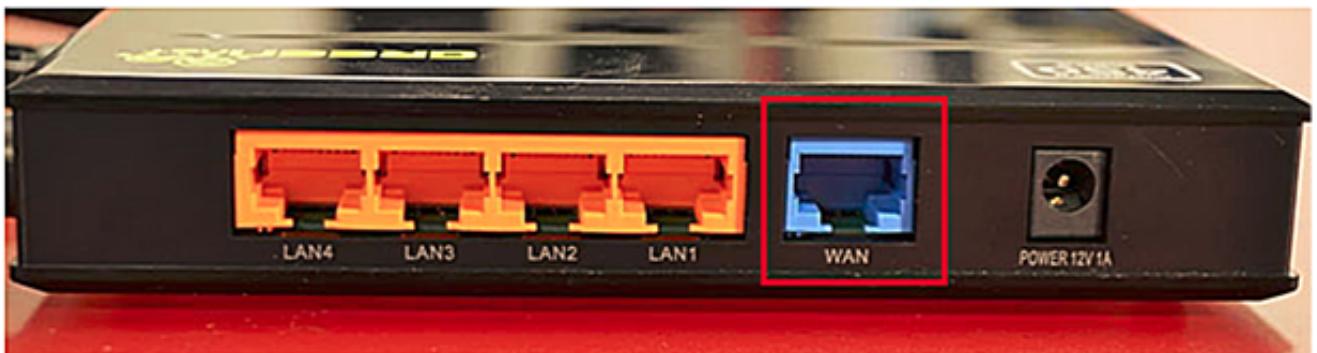
How do you know if your Huawei modem is compatible with nbn?

There are 2 different types of ports you need to check whether your modem is compatible with the type of nbn service that you have on your premise.

1. DSL port - often grey in colour, uses RJ11 cable. This is the same as the old telephone cable you would use to plug your home phone into the wall socket.



2. WAN port - Also known as the internet port that uses RJ-45 Ethernet cable to connect your Huawei modem to the nbn connection device.



Some modems have both of these ports, and some only have one. To identify which port is required for

your nbn type of service, check the table below.

NBN type	Modem connection type	Authentication
Fibre to the Premise	Router/WAN connection	IPOE/Dynamic/DHC
Fixed Wireless	Router/WAN connection	IPOE/Dynamic/DHC
Hybrid Fibre Coaxial	Router/WAN connection	IPOE/Dynamic/DHC
Fibre to the Curb	Router/WAN connection	IPOE/Dynamic/DHC
Fibre to the Node	VDSL Modem required	IPOE/Dynamic/DHC
Fibre to the Basement	VDSL Modem required	IPOE/Dynamic/DHC

How Do You Set up Your Huawei Modem?

1. If there is **no NBN Connection Box** installed, connect the DSL port on the back of your Huawei modem to your phone wall socket using a phone cable.
2. If **there is an NBN Connection Box** installed, connect to the WAN/Internet port on the back of your modem to your NBN Connection Box.
3. Connect any of the LAN ports on the back of your modem to your PC (optional)
4. Plug the NBN connection box, if there's any, to the power socket.
5. Connect the power port on the back of your modem to your power socket.
6. Ensure the modem is not locked to a specific provider. If it is, contact your provider to unlock it or use an unlocked modem.
7. Perform a factory reset on the modem if needed. Reconnect your devices using the default login credentials, which are typically found on the modem label.
8. Open a web browser and enter the modem's default IP address to configure the modem for IPoE set-up.

How Do You Log Into Your Huawei Modem?

To access the modem interface, please make sure your device is connected to your Huawei modem

through a wired or wireless connection.

From your browser, type in <http://192.168.178.1> in the address bar and hit Enter.

If the IP address does not work, please check the label attached to the back of the modem/router. Else, check your router's IP address. For instructions, click [here](#).

Log in with the account you set for the modem router, otherwise check the default username and password on the sticker of your modem.

How Do You Configure Your Huawei Modem?

Once logged in, click **Setup Wizard**

Select **Connect Automatically**

Hit **Next**

Then **personalise WiFi Credentials** and click **Save** to apply changes.

Home Internet Home Network Sharing Maintain

I want to ...

Start Wizard



42 minutes

Set Up WLAN



WLAN devices: 0

Check My Network Status



Connected devices: 2

If Connect Automatically Fails;

1 Click Setup Wizard

2 Select Connect with no user Account /IPoE

3 Hit Next

4 Then personalise WiFi Credentials and click Save to apply changes.

• Select your Internet connection mode:

Connect automatically
Device will try to access the Internet automatically.

Connect with user account

Connect with no user account
No user account is required for IPoE connections.

Connect with another modem
Bridge mode is best used in homes that have a modem already, or those that use a computer dial up connection to access the Internet.

Cancel Next

If Setup Wizard still fails, you may proceed manually to set up the internet through the Internet tab.

Go to the Home Page

Click the Internet tab

Click Internet Settings

Click Edit

Ensure the following settings are changed:

Enable Connection: Ticked

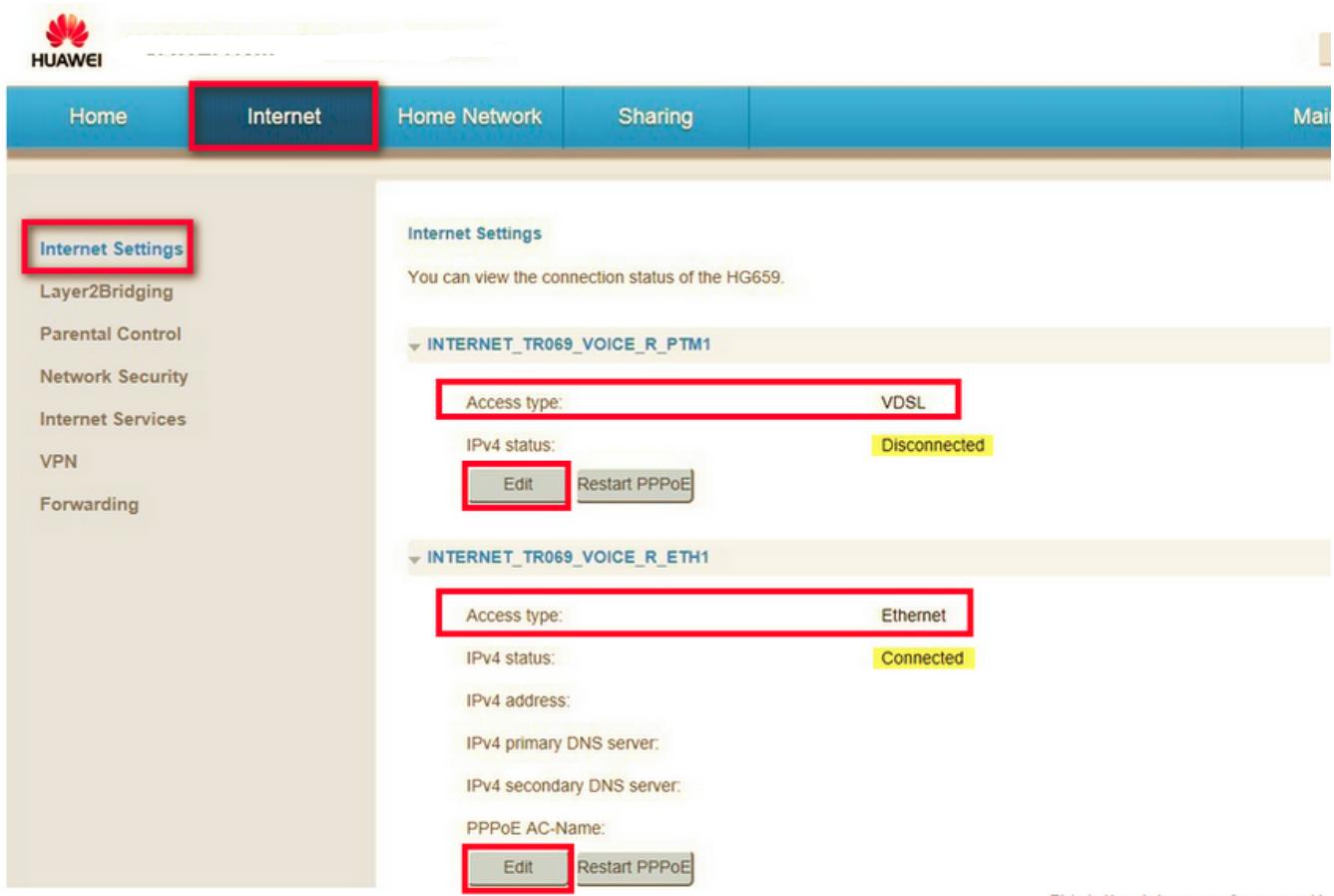
Service Type: Internet

Connection Type: Connect with no user Account/ IPoE/ Automatic IP/ Dynamic IP/ DHCP

Hit Save

To make sure the modem is configured according to its nbn service type, please check the following:

1. If you are connecting through **FTTN/FTTB** service, click **Edit** under **VDSL** access type.
2. For **FTTC, FTTP, HFC or Fixed Wireless service**, click **Edit** under **Ethernet** access type.
3. Click **Save** to apply any changes made to the settings.



The screenshot shows the 'Internet Settings' page of a Huawei HG659 modem. The 'Internet' tab is selected. On the left sidebar, 'Internet Settings' is highlighted with a red box. The main content area shows two connection profiles: 'INTERNET_TR069_VOICE_R_PTMA' and 'INTERNET_TR069_VOICE_R_ETH1'. The first profile is for VDSL access, which is currently disconnected. The second profile is for Ethernet access, which is currently connected. Both profiles have 'Edit' and 'Restart PPPoE' buttons.

Internet Settings

You can view the connection status of the HG659.

INTERNET_TR069_VOICE_R_PTMA

Access type: VDSL

IPv4 status: Disconnected

Edit Restart PPPoE

INTERNET_TR069_VOICE_R_ETH1

Access type: Ethernet

IPv4 status: Connected

IPv4 address:

IPv4 primary DNS server:

IPv4 secondary DNS server:

PPPoE AC-Name:

Edit Restart PPPoE

This is the status page from your Hu

Wait **3-5 minutes** for the modem to go online, then test the service.

If your modem has any existing profiles configured, make sure to delete them to avoid double authentication or connection issues.

Online URL:

<https://articles.spintel.net.au/article/configuring-huawei-modem-for-spintel-nbn.html>