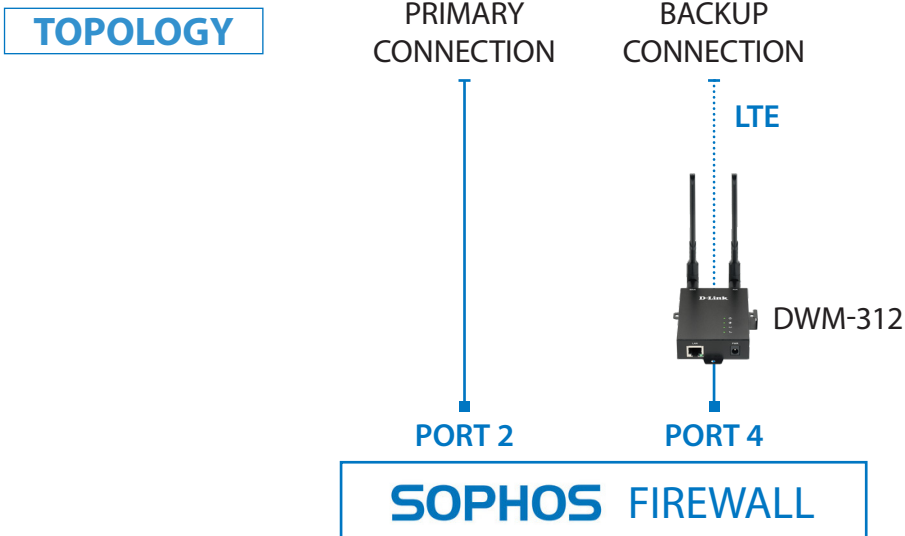


## How to Setup the DWM-312 and Sophos Firewall for Connection Failover



- STEP 1.** To set the DWM-312 4G LTE Modem in Bridge Mode, connect it to your computer and log into it via <http://192.168.0.1>.  
 Select "Internet" from the top menu. Then select SIMA > APN Settings.  
 Set "Dial-Up Profile" to Manual. Choose your Country and your Telco. Click on "Apply".

**D-Link**  
DWM-312

Home Internet LAN VPN Advanced System

- WAN Service
- SIMA
  - Network Status
  - APN Settings
  - APN Configuration
  - Connection Settings
  - SIM Card Settings
  - IPv4 and IPv6 info
- SIMB
- Device Mode

**SIMA**

**APN Settings**

Dial-Up Profile:  Auto-Detection  Manual  Selection

Country: Australia

Telecom: Telstra

Username: (optional)

Password: (optional)

Dialed Number: \*99#

Authentication: Auto

APN: telstra.internet (optional)

PIN Code: (optional)

Primary DNS Server: (optional)

Secondary DNS Server: (optional)

Apply Refresh

Select "Router Mode" > Disable the "Keep Alive for WAN Access" option > Click on "Apply".

The screenshot shows the D-Link DWM-312 web interface. The top navigation bar includes icons for Home, Internet, LAN, VPN, Advanced, and System. The left sidebar lists menu items: WAN Service, SIMA, SIMB, Device Mode, and Router Mode (highlighted in blue). The main content area is titled "Router Mode" and contains the following settings:

- NAT:  NAT  Classical
- Keep Alive for WAN Access:  Enable (highlighted with a red box)
- DNS Query  ICMP Checking
- Check Incoming / Outgoing Packet
- Check Interval: 60 seconds
- Fail Threshold: 5 times
- Target1: DNS1
- Target2: None

At the bottom of the configuration area are two buttons: "Apply" and "Refresh".

Select "Device Mode" > Select "Bridge Mode" > Click on "Apply".

The screenshot shows the D-Link DWM-312 web interface. The top navigation bar includes icons for Home, Internet, LAN, VPN, Advanced, and System. The left sidebar lists menu items: WAN Service, SIMA, SIMB, Device Mode (highlighted in blue), and Router Mode. The main content area is titled "Device Mode" and contains the following settings:





- Device Mode:  Router Mode  Bridge Mode (highlighted with a red box)

At the bottom of the configuration area are two buttons: "Apply" and "Refresh".

The Setup is complete for DWM-312 in Bridge Mode.  
See next page to setup Sophos Firewall for failover.

## STEP 2. Setting up Sophos Firewall for failover from Primary Connection to Backup Connection.

- a. Configure Port 2 with your Primary Internet Connection settings.  
Configure Port 4 (your Backup LTE Connection) as DHCP.

 <b>GuestAP</b> WiFi Wireless Protection	Unplugged Auto-negotiated	10.255.0.1/255.255.255.0 Static
 <b>Port2</b> WAN Physical	Connected 1000 Mbps - Full Duplex Auto-negotiated	192.168.20.187/255.255.255.0 DHCP
 <b>Port4</b> WAN Physical	Connected 100 Mbps - Full Duplex Auto-negotiated	10.102.130.123/255.255.255.248 DHCP
 <b>br0</b> N/A Bridge-Pair	Connected N/A	172.16.16.16/255.255.255.0 Static

- b. Under 'Network' select 'WAN Link Manager'. Modify settings of your Backup Connection:

Interfaces   ZONES   **WAN Link Manager**   DNS   DHCP   IPv6 Router Advertisement   Cellular WAN   ...

### Gateway Detail

Name \*

IP Address \*

Interface \*

Type \*  Active  Backup

Weight \*  (1 - 100)

Default NAT Policy \*

Backup Gateway Details

Activate This Gateway \*  If  Active gateway fails

Manually

Action on Activation \*  Inherit weight of the failed active gateway





Use configured weight

- c. After the connections are established, verify if both Primary and Backup Connections are active.

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Interfaces   ZONES   **WAN Link Manager**   DNS   DHCP   IPv6 Router Advertisement   Cellular WAN   ...

### IPv4 Gateway

Name	IP Address	Interface	Type	Activate on Failure of	Weight	NAT Policy	Status	Manage
<u>Backup Connection</u>	10.102.130.124	Port4 - 10.102.130.123/255.255.255.248	Backup	Primary Connection gateway	NA	MASQ	<input checked="" type="radio"/>	 
<u>Primary Connection</u>	192.168.20.254	Port2 - 192.168.20.187/255.255.255.0	Active	N/A	1	MASQ	<input checked="" type="radio"/>	 

On how to setup additional failover rules in Sophos Firewall, please visit <https://community.sophos.com/kb/en-us/123530>