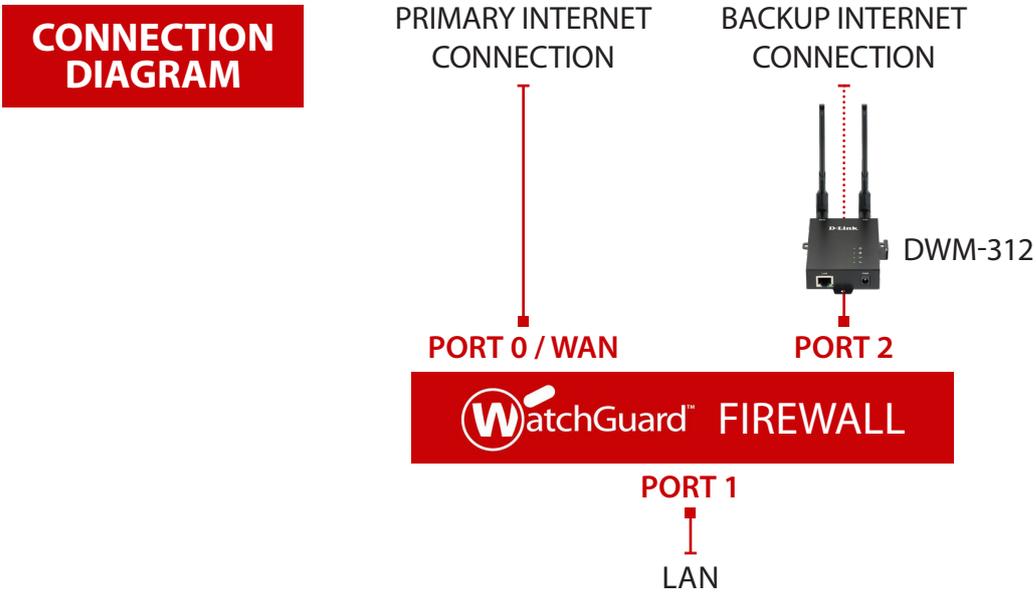


## How to Setup the DWM-312 and WatchGuard Firewall for Connection Failover



- 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:

Secondary DNS Server:

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 Home, Internet, LAN, VPN, Advanced, and System. The left sidebar lists WAN Service, SIMA, SIMB, Device Mode, and Router Mode (highlighted). The main content area is titled "Router Mode" and shows the following configuration options:

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

Buttons for "Apply" and "Refresh" are located at the bottom of the configuration area.

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

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

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

Buttons for "Apply" and "Refresh" are located at the bottom of the configuration area.

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

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

a. Configure Port 0 / WAN (default name is "External") with your Primary Internet Connection settings.

Fireware Web UI

User: admin

Interfaces

Configure Interfaces in Mixed Routing Mode

INTERFAC	NAME (ALIAS)	TYPE	IPV4 ADDRESS	IPV6 ADDRESS	NIC CONFIG
0	External	External	DHCP		Auto Negotiate
1	Trusted	Trusted	10.0.1.1/24		Auto Negotiate
2	Backup Connection	External	DHCP		Auto Negotiate
3	Optional-2	Disabled			Auto Negotiate
4	Optional-3	Disabled			Auto Negotiate

EDIT

SAVE

Configure Port 2 (default name is "Optional-1") as your backup LTE connection, set it as DHCP.

Fireware Web UI

User: admin

Interfaces / Edit

Interface Name (Alias) Backup Connection

Interface Description Failover to DWM-312 LTE

Interface Type External

Configuration Mode DHCP

Client Name

Host Name

Obtain an IP automatically

Use this IP address

Lease Time 8 Hours

Enable DHCP Force Renew

Shared Key

SAVE CANCEL

**STEP 2. b.** Under Network select Multi-WAN. Set the method to "Failover".

Multi-WAN Configuration

Select the method to route non-IPSec traffic among more than one external interface.

Failover

MULTI-WAN	INTERFACE NAME	LINK MONITOR	PING	TCP
Yes	External	Yes	8.8.8.8	Disabled
Yes	Backup Connection	Yes	Disabled	Disabled

MOVE UP MOVE DOWN CONFIGURE

SAVE

Double-click on the interface which is used for primary Internet connection (default name is "External") and **Configure Link Monitor**:

### Configure Link Monitor

Select whether this interface participates in Multi-WAN and how link monitor verifies the interface status.

**External**

- Participate in Multi-WAN
- Enable link monitor

To monitor the default gateway, link monitor must be enabled.

To monitor the connection to another source, select an option and specify an IP address or domain name.

Ping 8.8.8.8

TCP Port 80

Both Ping and TCP must be successful to define the interface as active

Probe interval 15 seconds

Deactivate after 3 consecutive failures

Reactivate after 3 consecutive successes

OK

CANCEL

You can verify the status of the connections under **Dashboard > Interfaces > Detail**.

Interfaces

20 MINUTES AGO

Bandwidth Detail

LINK STATUS	ENABL	MULTI-WAN	ALIAS	NAME	ZONE	IPV4 ADDRESS	GATEWAY	MAC ADDRESS	LINK SPEED
Up	Yes	Available	Backup Connectio	eth2	External	10.101.153.5	10.101.153.5	00:90:7F:B9:4	100Mb/s, Full
Up	Yes	Available	External	eth0	External	192.168.20.1	192.168.20.1	00:90:7F:B9:4	1000Mb/s, Full
Down	No		Optional-2	eth3	Optiona	0.0.0.0/0	0.0.0.0	00:90:7F:B9:4	Unknown
Down	No		Optional-3	eth4	Optiona	0.0.0.0/0	0.0.0.0	00:90:7F:B9:4	Unknown
Up	Yes		Trusted	eth1	Trusted	10.0.1.1/24	0.0.0.0	00:90:7F:B9:4	1000Mb/s, Full