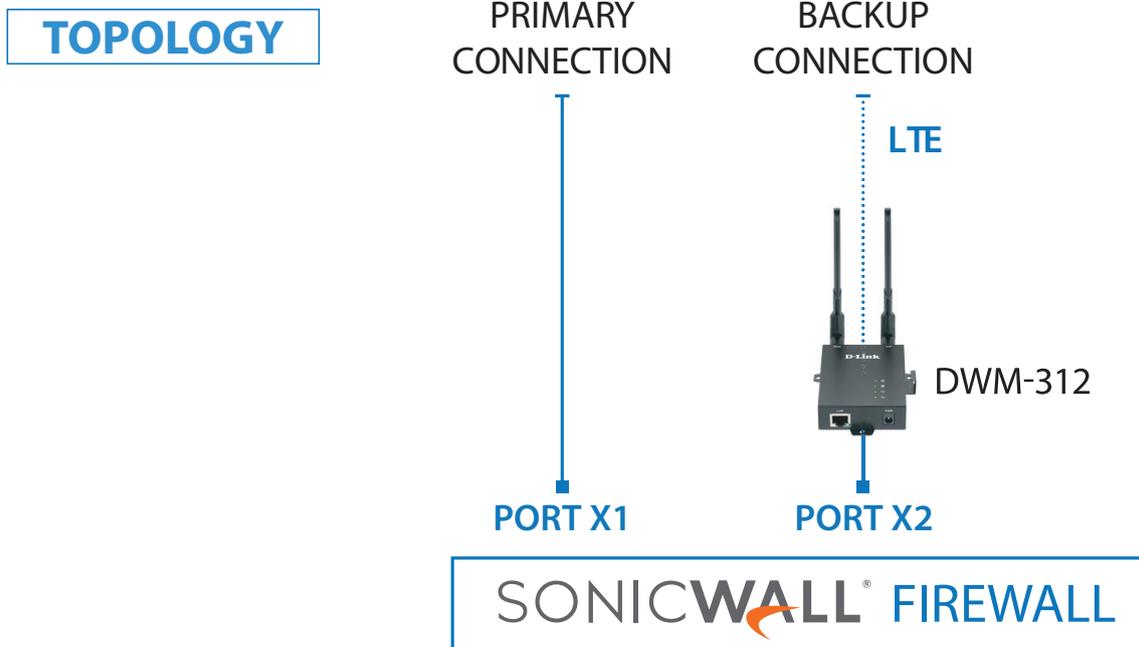


## How to Setup the DWM-312 and SonicWALL TZ Series Firewall for Connection Failover



**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

Telecom

Username  (optional)

Password  (optional)

Dialed Number

Authentication

APN  (optional)

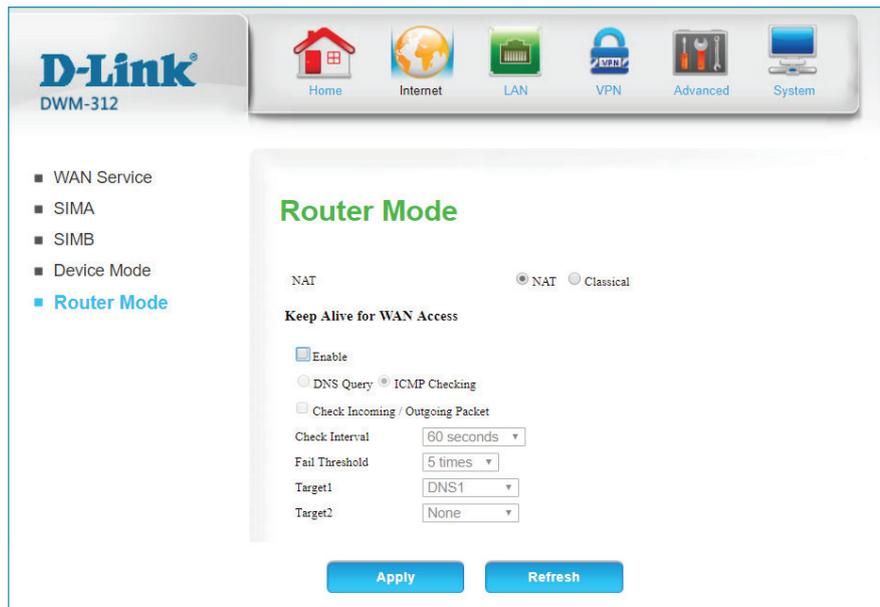
PIN Code  (optional)

Primary DNS Server

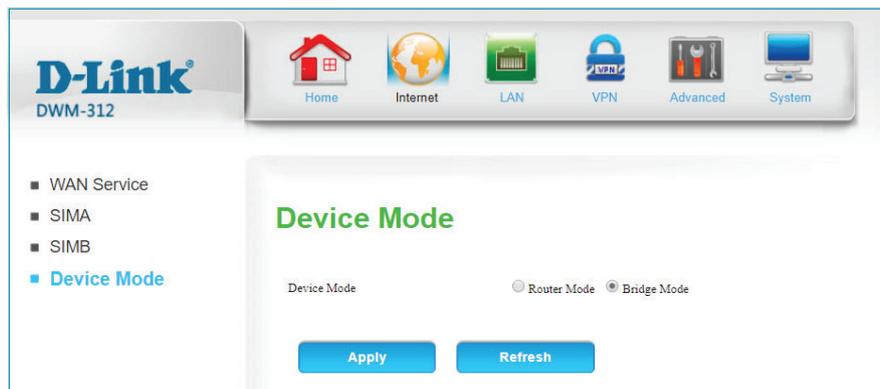
Secondary DNS Server

Apply Refresh

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



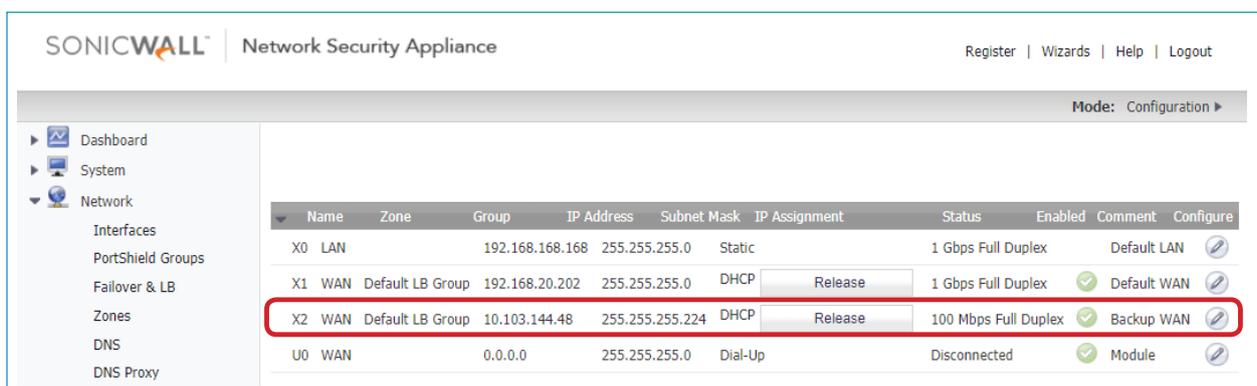
» Select "Device Mode" > Select "Bridge Mode" > Click on "Apply".



» The Setup is complete for DWM-312 in Bridge Mode.

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

» Go to **Network > Interfaces**. Configure the **X2 interface**:



- » Set **Zone** as “WAN”
- » Set **IP Assignment** as “DHCP”

SONICWALL Network Security Appliance

General Advanced

**Interface 'X2' Settings**

Zone: WAN

IP Assignment: DHCP

Host Name:

Comment: Backup WAN

Management:  HTTPS  Ping  SNMP  SSH

User Login:  HTTP  HTTPS

Add rule to enable redirect from HTTP to HTTPS

Request renew of previous IP on startup

Renew DHCP lease on any link up occurrence

IP Address:

Subnet Mask:

Gateway (Router) Address:

DNS Server 1:

DNS Server 2:

Ready

OK Cancel Help

- » Go to **Network > Address Objects**. Add a new object
- » Set **Zone Assignment** as “WAN”
- » Set **Type** as “Host”
- » Set **IP Address** as “4.2.2.2”

SONICWALL Network Security Appliance

Name: Google DNS

Zone Assignment: WAN

Type: Host

IP Address: 4.2.2.2

Ready

OK Cancel

SONICWALL Network Security Appliance Register | Wizards | Help | Logout

Mode: Configuration ▶

- Dashboard
- System
- Network
  - Interfaces
  - PortShield Groups
  - Failover & LB
  - Zones
  - DNS
  - DNS Proxy
  - Address Objects
  - Services
  - Routing
  - NAT Policies

Address Objects
Address Groups

Select:  All Types  Default  Custom
Load All

#	Name	Details	Type	IP Version	Zone
<input type="checkbox"/> 1	Default Active WAN IP	192.168.20.202/255.255.255.255	Host	IPv4	WAN
<input type="checkbox"/> 2	Default Gateway	0.0.0.0/255.255.255.255	Host	IPv4	WAN
<input type="checkbox"/> 3	Dial-Up Default Gateway	0.0.0.0/255.255.255.255	Host	IPv4	
<input type="checkbox"/> 4	Google DNS	4.2.2.2/255.255.255.255	Host	IPv4	WAN
<input type="checkbox"/> 5	IPv6 Link-Local Subnet	fe80::/64	Network	IPv6	
<input type="checkbox"/> 6	U0 Default Gateway	0.0.0.0/255.255.255.255	Host	IPv4	WAN

- » Go to **Network > Failover & LB**. Configure the **“Default LB Group”**.
- » Add **X2** to the **“Selected”** field. Make sure the interfaces are in correct order.

SONICWALL Network Security Appliance

General
Probing

Name:

Type: Basic Failover ▼

Preempt and failback to preferred interfaces when possible

Group Members:

Select here:

U0

Add >>

<< Remove

Selected:

Interface Ordering:

X1  
X2

▲ ▼

Final Back-Up:

Ready

OK
Cancel

**Groups**

Name	Type	IP Address	Link Status	LB Status	Main Target	Alternate Target	Configure	Notes
Default LB ...	Basic Failover							
X1		192.168.20.202 (WAN)	Link Up	Available	Disabled	Disabled		
X2		10.103.144.48 (WAN)	Link Up	Available	Disabled	Disabled		

- » Go to **Network > Network Monitor**. Add a new Network Monitor Policy.
- » Set **Probe Target** as **“Google DNS”**
- » Set **Next Hop Gateway** as **“X1 Default Gateway”**
- » Set **Outbound Interface** as **“X1”**
- » Set **Probe Type** as **“Ping (ICMP) – Explicit Route”**

**SONICWALL** | Network Security Appliance

**Network Monitor Policy Settings**

Name:

Probe Target:

Next Hop Gateway:

Local IP Address:

Outbound Interface:

Probe type:

Port:

Probe hosts every:  seconds

Reply time out:  seconds

Probe state is set to DOWN after:  missed intervals

Probe state is set to UP after:  successful intervals

All Hosts Must Respond

RST Response Counts As Miss

Comment:

**Ready**

OK Cancel Help

**Network Monitor Policies** Items 1 to 1 (of 1)

View Style:  All Policies  Custom Policies View IP Version:  IPv4 Only  IPv6 Only  IPv4 and IPv6

#	Name	Probe Target	Gateway	Local IP	Interface	Probe Type	Interval	Port	Response Timeout	Failure Threshold	Success Threshold	All Must Respond	RST Is Failure	Status	Comment	Configure
1	WAN1 Monitor	Google DNS	X1 Default Gateway		X1	Ping-Explicit Route	5	3	3	3	No	N/A	<span style="color: green;">●</span>			

» Your Setup is now complete.