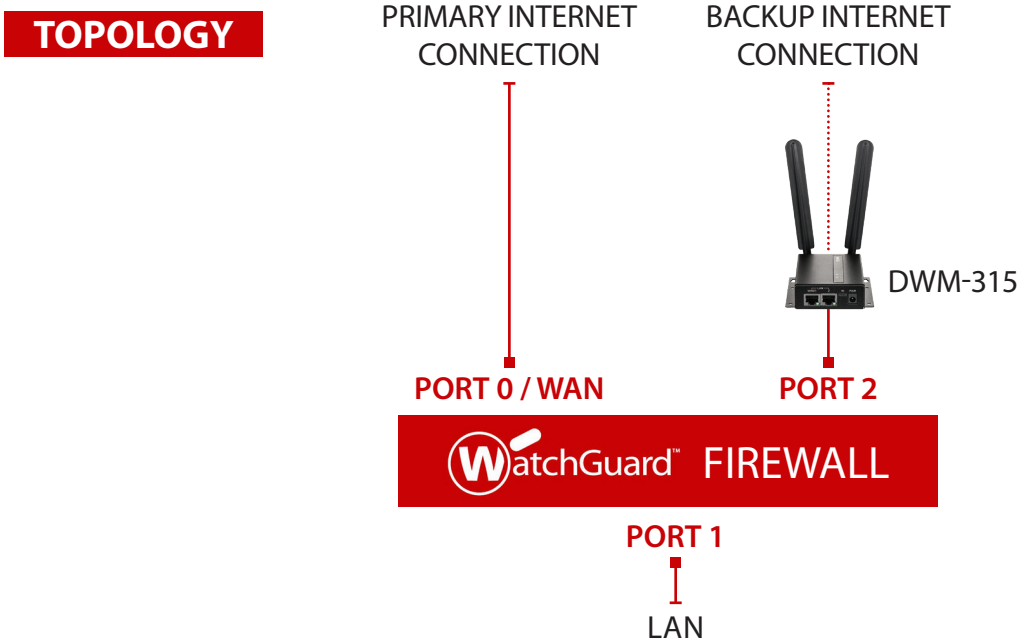


How to Setup the DWM-315 with WatchGuard Firewall for Connection Failover



STEP 1. To setup the DWM-315 4G LTE M2M Router in Bridge Mode, connect it to your computer and log into it via <http://192.168.0.1>.

After logging in, go to **WAN & Uplink > Connection Setup**. Under **WAN-1** click on the "Edit" button.

The screenshot shows the D-Link DWM-315 web interface. The left sidebar contains navigation options: Status, Basic Network, WAN & Uplink, LAN & VLAN, and IPv6. The main content area is titled 'Connection Setup' and contains an 'Internet Connection List' table. The 'Edit' button for 'WAN-1' is highlighted with a red box.

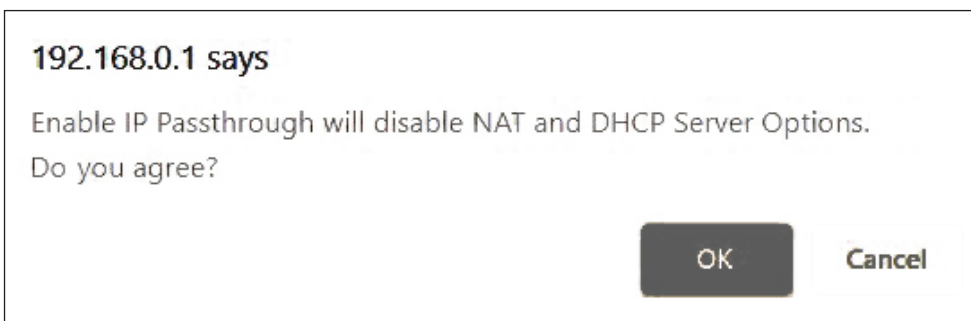
Interface Name	Physical Interface	Operation Mode	WAN Type	Action
WAN-1	3G/4G	Always on	3G/4G	Edit
WAN-2	-	Disable	-	Edit

Scroll down to the 3G/4G Connection Common Configuration.

Under IP Passthrough (Cellular Bridge) tick the "Enable" option.

3G/4G Connection Common Configuration	
Item	Setting
▶ Connection Control	Auto-reconnect ▾
▶ Time Schedule	(0) Always ▾
▶ MTU Setup	<input type="checkbox"/> Enable
▶ IP Passthrough (Cellular Bridge)	<input checked="" type="checkbox"/> Enable Fixed MAC: <input type="text"/>
▶ NAT	<input type="checkbox"/> Enable
▶ IGMP	Disable ▾
▶ WAN IP Alias	<input type="checkbox"/> Enable 10.0.0.1 <input type="text"/>

Click on "Save" and confirm that switching to Bridge Mode will disable NAT and DHCP.



The Setup is complete for DWM-315 in Bridge Mode.

See below 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

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

The screenshot shows the WatchGuard Fireware Web UI. The left sidebar contains a navigation menu with categories: DASHBOARD, SYSTEM STATUS, NETWORK, FIREWALL, SUBSCRIPTION SERVICES, AUTHENTICATION, VPN, and SYSTEM. The 'NETWORK' section is expanded, showing options like Interfaces, ARP Entries, Link Aggregation, VLAN, Bridge, Loopback, Multi-WAN, Dynamic DNS, NAT, Routes, Dynamic Routing, Multicast Routing, Gateway Wireless Controller, Modem, and Wireless. The 'Multi-WAN' option is highlighted with a red box.

The main content area is titled 'Interfaces / Edit'. It shows the configuration for an interface named 'Backup Connection'. The 'Interface Name (Alias)' is 'Backup Connection', the 'Interface Description' is 'Failover to DWM-312 LTE', and the 'Interface Type' is 'External'. The 'Configuration Mode' is set to 'DHCP'. Below this, there are fields for 'Client Name' and 'Host Name', both currently empty. There are radio buttons for 'Obtain an IP automatically' (selected) and 'Use this IP address'. The 'Lease Time' is set to '8 Hours'. There is a checkbox for 'Enable DHCP Force Renew' which is unchecked, and a 'Shared Key' field which is empty. At the bottom, there are 'SAVE' and 'CANCEL' buttons, both highlighted with red boxes.

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

The screenshot shows the WatchGuard Fireware Web UI. The left sidebar is the same as in the previous screenshot, with 'Multi-WAN' highlighted in the NETWORK section.

The main content area is titled 'Multi-WAN Configuration'. It has two tabs: 'General' and 'Advanced'. The 'General' tab is selected. Below the tabs, there is a dropdown menu set to 'Failover'. Below that is a table with the following columns: MULTI-WAN, INTERFACE NAME, LINK MONITOR, PING, and TCP.

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

Below the table are buttons for 'MOVE UP', 'MOVE DOWN', and 'CONFIGURE'. At the bottom, there is a 'SAVE' button, highlighted with a red box.

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

TCP Port

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

Probe interval seconds

Deactivate after consecutive failures

Reactivate after consecutive successes

OK

CANCEL

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

WatchGuard Fireware Web UI

User: admin

20 MINUTES AGO

Interfaces

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

Your Setup is complete.

D-LINK CONTACT INFORMATION

NATIONAL SALES MANAGER

Phil Tarbox
0417 234 761
phil.tarbox@dlink.com.au

PARTNER PRIORITY SUPPORT
1300 558 053

GENERAL ENQUIRIES
1300 700 100

PARTNER REWARDS PROGRAM
dlink.com.au/Rewards
TRAINING AND CERTIFICATION
training.dlink.com.au

REGIONAL CHANNEL MANAGERS

QLD/NT
Bernie Rasenberger
0403 980 294
bernie.rasenberger@dlink.com.au

NSW/ACT
Michael Crocombe
0421 951 465
michael.crocombe@dlink.com.au

VIC/TAS/SA/WA
Colin Chamberlain
0418 345 286
colin.chamberlain@dlink.com.au

PRE-SALES ENGINEERS

QLD/NT/NSW/ACT
David Urbano
0422 589 091
david.urbano@dlink.com.au

VIC/TAS/SA/WA
Aaron Bilton
0403 857 007
aaron.bilton@dlink.com.au