

How to Setup the DWM-315 with **Barracuda CloudGen F-Series Firewall** for Connection Failover



STEP 1. To setup the DWM-315 4G LTE M2M Router in Bridge Mode,

FOR BUSINESS

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.

D-Link® DWM-315					English V
Status	Physical Interf	ace Connection	Setup		Widget
Basic Network	Internet Conne	ction List			
• WAN & Uplink	Interface Name	Physical Interface	Operation Mode	WAN Type	Action
Q LAN & VLAN	WAN-1	3G/4G	Always on	3G/4G	Edit
IPv6	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	Enable			
IP Passthrough (Cellular Bridge)	Enable Fixed MAC:			
▶ NAT	Enable			
▶ IGMP	Disable ∽			
WAN IP Alias	Enable 10.0.0.1			

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

192.168.0.1 says	
Enable IP Passthrough will disable NAT and DHCP Server Op Do you agree?	tions.
ок	Cancel

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

See next page to setup Barracuda CloudGen F-Series Firewall for failover.

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STEP 2. Setting up Barracude CloudGen F-Series Firewall for failover from Primary Connection to Backup Connection.

a. Go to Configuration > Configuration Tree > Box > Network. Click on xDSL/DHCP/ISDN on the left and then click on "Lock".

DASHBOARD	CONFIGURAT	CONTROL	FIREWALL	LOGS	STATISTICS	EVENTS	SSH		¢
Configuration Tree	Netwo	prk ×		State Info	- Act	tivate 5	Undo	Not Discon	nect
Box Netwo	rk - xDSL/DHC	CP/ISDN			Discard Im/Export	Lock	s	end Changes	×
▲ Configuration		(i) Note: An external	DSL modem is req	uired to configure	xDSL links.				^
IP Configuration Interfaces Virtual LANs		-DHCP Client Set	1p						
Ethernet Bundles		DHCP Enabled		yes				\sim	-
Routing xDSL/DHCP/ISDN		DHCP Links				Ø	+ ×	💓 📄 🐔	•
Wireless WAN				Name	Link Ac	tive	Stand	by Mode	
Integrity Check	<			DHCP03	yes		no		
Configuration Mo	de			provider	yes		no	>	
				2				>	

b. Under **DHCP Client Setup**, set "DHCP Enabled" to "Yes".

Under **DHCP Links** click on + to add a new entry. Give it a name ("DHCP03" in our example). Under **Connection Details** set "DHCP Interface" to "p3" (port 3).

Under **DNS** set "Use Provider DNS" to "Yes".

Under Routing set "Create Default Route" to "No".

Under Target Networks click on + and add a new entry "0.0.0.0/0".

Set **Trust Level** to "Untrusted".

Set Route Metric to 101 (if your primary Internet connection route metric is set to 100).

Connection Details		
HCP Interface	p3	✓ Other 🗐•
INS		
lse Provider DNS	yes	✓ ■•
lse Provider Domain Name	no	✓ ■•
lse Dynamic DNS	no	✓ ■•
lynamic DNS Params	Edit Clear Disabled	
arget Networks	0.0.0.0/0	
	<	>
rust Level	Untrusted	✓ ■•
Route Metric	101	a r

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C. Configure **Connection Monitoring**. Under **Connection Monitoring** in the "Reachable IPs" section click on + to add an IP address which will be used to monitor the connection (in our example we are using 8.8.8.8)

Under Unreachable Action select "Increase-Metric". Click on OK.

Connection Monitoring							
Log Level	standard					\sim	•
Reachable IPs		1	÷	×	÷		∎•
	8.8.8.8						
	<					>	
Unreachable Action	Increase-Metric					~	.
							-

d. Enable **Connection Monitoring** for your Primary Internet connection (DHCP link "provider" in our example), as described in **Step C** above. Click on OK.

Activate the new configuration: click on "Send Changes" and then on "Activate".

Box Network - xDSL/DHCP/ISDN	Discard Unlock Send Changes
Configuration Network ×	State Vindo Not Disconnect
Box Network - xDSL/DHCP/ISDN Activation Pending	Discard Unlock Send Changes
Activate Changes	×
RCS Change Message Activate Activate (Keep Locks) Cancel	

Your Setup is complete.

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