

How to Setup the DWM-312 and Barracuda CloudGen F-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".

DWM-312	Home Internet	LAN VPN	Advanced System
WAN Service			
SIMA	SIMA		
-Network Status			
-APN Settings	APN Settings		
-APN Configuration	Dial-Up Profile	Auto-Detection Mathematical M	anual O Selection
-Connection Settings	Country	Australia	T
-SIM Card Settings	Telecom	Telstra •	
-onin ourd oettings	Username		(optional)
-IPv4 and IPv6 info	Password		(optional)
SIMB	Dialed Number	*99#	
Device Mode	Authentication	Auto 🔹	
Device mode	APN	telstra.internet	(optional)
	PIN Code		(optional)
	Primary DNS Server		
	Secondary DNS Server		

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

D-Link DWM-312	Home	Internet	LAN	VPN	Advanced	System
WAN Service SIMA SIMB	Router N	lode				
Device Mode	NAT		• NAT	Classical		
Router Mode	Keep Alive for W	AN Access				
	Enable					
	DNS Query	ICMP Checking				
	Check Incoming	/ Outgoing Pack	et			
	Check Interval	60 secor	ds 🔻			
	Fail Threshold	5 times	v			
	Target1	DNS1	Ŧ			
	Target2	None	Ŧ			

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

D-Link DWM-312	Home Internet	LAN	VPN	Advanced	System
WAN ServiceSIMASIMB	Device Mode				
Device Mode	Device Mode	Router	Mode 🖲 Brid	ge Mode	
	Apply	Refresh			

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

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

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

DASHBOARD CONFI	GURATION	CONTROL	FIREWALL	LOGS ST.	ATISTICS	EVENTS	SSH			(
Configuration Tree	Network $^{\times}$			State Info	Activ	ate 为	Undo	~ [Discor	nnect
Box Network - xDS	L/DHCP/ISD	N			Discard Im/Export	Lock		Send Chan	ges	×
Configuration IP Configuration Interfaces Vietual LANs		Note: An external i	DSL modem is requ JP	uired to configure xD	95L links.					
Ethernet Bundles	DHC	P Enabled		yes					\sim	
Routing xDSL/DHCP/ISDN	DHC	P Links				Ø	+ 1	× 🗤 📄	Ð	∎•
Wireless WAN				Name	Link Activ	/e	Sta	andby Mode		
Integrity Check	<			DHCP03	yes		no			
Configuration Mode				provider	yes		no			
				<					>	

- » 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).

0			
DHCP Interface	p3	✓ □ Other	.
DNS			
Use Provider DNS	yes	~	٦.
Use Provider Domain Name	no	~	ī.
Use Dynamic DNS	no	\checkmark	ī.
Dynamic DNS Params	Edit Clear Disabled	b	Ð
Create Default Route	no	M	±۰
Target Networks	0.0.0/0	12 1 × 1 × 1	
Target Networks	0.0.0.0/0 <		_
Target Networks Trust Level	0.0.0/0 < Untrusted		Ē.

- » 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								
connection monitoring								
Log Level	standard						\sim	Ē,
Reachable IPs		•	\mathbf{x}	÷	×	÷	4	۰.
	8.8.8.8							
		_						
							2	
Unreachable Action	Increase-Metric						\sim	∎-

- » 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 Im/Export Vnlock	Send Changes 🗙
Configuration Tree Network	State • Activate Undo	Disconnect
Box Network - xDSL/DHCP/ISDN Activation Pending	Discard Im/Export Vnlock	Send Changes
Activate Changes	×	
RCS Change Message		

Activate (Keep Locks)

Cancel

» Your Setup is complete.

Activate