How to Setup Automatic Internet Connection Failover to 4G LTE USB Adapter in DSR-1000AC / DSR-500AC

DSR-1000AC / DSR-500AC firmware ver. 3.17B302T



DSR-500AC / DSR-1000AC



	<b>Link</b> Services Router - DSI	R-1000AC			Firmware: 3.17B302T_WW	C Logout
	🝘 Status	🛜 Wireless	📮 Network 🛛 🏠	VPN 🔒 Security	Maintenance	
tatus »	LAN LAN Settings	VLAN VLAN Settings	Internet WAN1 Settings	Routing Static Routes	lpv6 IP Mode	00
he Traffi	LAN DHCP Reserved IPs	Port VLAN	WAN2 / DMZ Setting	RIP	IPv6 Wan1 Settings	
	IP/MAC Binding		WAN3 Settings	OSPF	IPv6 Wan2 Settings	
ashboa	IGMP Setup		WAN Mode	Protocol Binding	Static Routing	Dashboard
	UPnP		SIM Card Authentication	VRRP	OSPFv3	
Traffic			Routing Mode		6 to 4 Tunnelling	
Tame			IP Aliasing		ISATAP Tunnels	ALL 🗸
			DMZ Settings		Teredo Tunnel	
			DMZ DHCP Reserved IPs		IPv6 LAN Settings	
			Dynamic DNS		IPv6 Tunnels Status	
			Traffic Management			
			Jumbo Frame			5

Under "WAN Mode" choose the "Auto Rollover using WAN port" option.

Make sure that "Use Primary WAN port" is set to "WAN1" (if your primary Internet link is connected to WAN1 of the router).

Set "Use Secondary WAN port" to "WAN3" (your USB 4G LTE adapter will be set as WAN3 in the next step).

Network » Internet » WAN Mode	0 0
router to access the internet. Load balancing	s on the three WAN ports for Internet connection.By configuring both WANs, there are two ways for the allows traffic to and from the internet to be shared across both configured links to ensure one ISP is not backup link to preserve internet connectivity for the LAN if the main ISP configured on the primary WAN
WAN Mode	
WAN Mode Setup WAN Mode	Auto-Rollover using WAN pr
Auto-Rollover using WAN port Use Primary WAN port	• WAN1 O WAN2 O WAN3
Use Secondary WAN port	WAN3 🗸
WAN health check	WAN DNS Servers
Retry Interval is	<b>30</b> [Default: 30, Range: 5 - 999] Seconds
Failover After	4 [Default: 4, Range: 2 - 999] Failures
	Save Cancel



Step 2. Plug compatible 3G/4G USB adapter into USB port 1 or port 2 of the router. The D-Link DWM-222 is recommended as a compatible adapter. Go to Network > Internet> WAN3 Settings:

	🕜 Status	🛜 Wireless	💂 Network 🛛 🏠	VPN 🔒 Secu	rity 🔅 🗘 🍄 Maintenar	ice
Network	LAN LAN Settings	VLAN VLAN Settings	Internet WAN1 Settings	Routing Static Routes	Ipv6 IP Mode	0
This page	LAN DHCP Reserved IPs	Port VLAN	WAN2 / DMZ Setting	RIP	IPv6 Wan1 Settings	s->System
Informatic	IP/MAC Binding		WAN3 Settings	OSPF	IPv6 Wan2 Settings	s v system
WAN3 S	IGMP Setup		WAN Mode	Protocol Binding	Static Routing	
	UPnP		SIM Card Authentication	VRRP	OSPFv3	
WAN3			Routing Mode		6 to 4 Tunnelling	
Reco			IP Aliasing		ISATAP Tunnels	
			DMZ Settings		Teredo Tunnel	
Mobile User			DMZ DHCP Reserved IPs		IPv6 LAN Settings	
			Dynamic DNS		IPv6 Tunnels Status	
Passv			Traffic Management			
Dial-			Jumbo Frame			



Configure your 3G/4G LTE connection with APN details given by your provider. In our example we are using Telstra SIM.

●Always On ○On Demand	
	Optional
	Optional
*99#	
None 🗸	
ON III	
telstra.internet	)
●Get Dynamically from ISP	OUse These DNS Servers
● Default ○ Custom	
Save Cance	
	None   None  Solution  None  Default  Custom

Click on "Save".

The setup is now complete.



To test your 3G/4G connectivity unplug your primary Internet connection from the router's WAN1. Wait for about 30 seconds and check if your Internet connection has been reestablished via the USB 3G/4G adapter:

Go to Status > System Information > Device

	🕜 Status	🛜 Wireless 🛛 📮	Network	N 🚘 Security 🌣 Maintenance
	Dashboard Dashboard	System Information Device	Network Information DHCP Leased Clients	0 0
his page al		All Logs	Captive Portal Sessions	rvice. Please check the USB card status on Status->System
nformation		USB Status	Active Sessions	
VAN3 Set			Active VPNs	
			Interface Statistics	
WAN3 (M			Wireless Clients	
Reconn			Wireless Statistics	
H-1-1-1			Device Statistics	
Mobile I User Na			LAN Clients	
USER No			Session Limiting Status	inal
Passwo			ope	onal



## Check the WAN3 connection status:

Status » System Information » Device » WAN3



System LAN WAN1 WAN2 WAN3 Wireless

All of your WAN3 network connection details are displayed on the Device Status page.

## WAN3 Information

Description	WAN3 Info
MAC Address	0E:0E:1E:F8:DD:74
IPv4 Address	10.103.183.112 / 255.255.255.224
IPv6 Address / Prefix	N/A
Status	UP
IPv6 Connection Type	N/A
IPv6 Connection State	N/A
NAT (IPv4 Only)	Enabled
IPv4 Connection Type	Mobile Internet
IPv4 Connection State	Connected
Link State	LINK UP
WAN Mode	Auto-Rollover using port: WAN1
That mode	
Gateway	10.103.183.113

## End of Document

