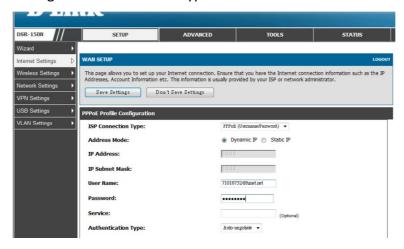# How to setup rollover on DSR-150

[Test Topology]
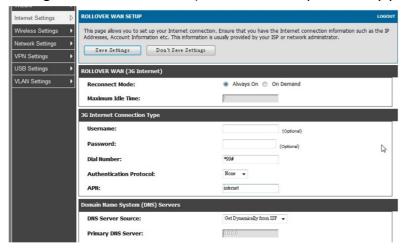
PC---(lan)DUT(wan:PPPoE)------------------------Internet------Google DNS(8.8.8.8)

　　　　　　(Rollover wan:3G dongle)--------/

[Test Procedure]

1. Configure the connection type to PPPoE on wan interface.

2. Configure the Rollover wan. (the APN value is provided by your service provider)

3. SETUP/Internet Settings/WAN mode, select the function "Auto-Rollover using WAN port", and "Ping these IP addresses, key in the IP address which you want. (When this IP address is unreachable, the DSR will switch the traffic from WAN interface to rollover(3G) interface).

4. Insert the 3G dongle

5. At this moment, the wan1 is up, and rollover wan is down.

D-Link

DSR-150N	SETUP	ADVANCED	TOOLS	STATUS	HELP

Device Info
Logs
Traffic Monitor
Active Sessions
Wireless Clients
LAN Clients
Active VPNs

DEVICE STATUS   LOGOUT

This page displays the current settings and displays a snapshot of the system information.

Helpful Hints...
All of your Internet and network connection details are displayed on the Device Status page. The firmware version and hardware serial number is also displayed here.
More...

General

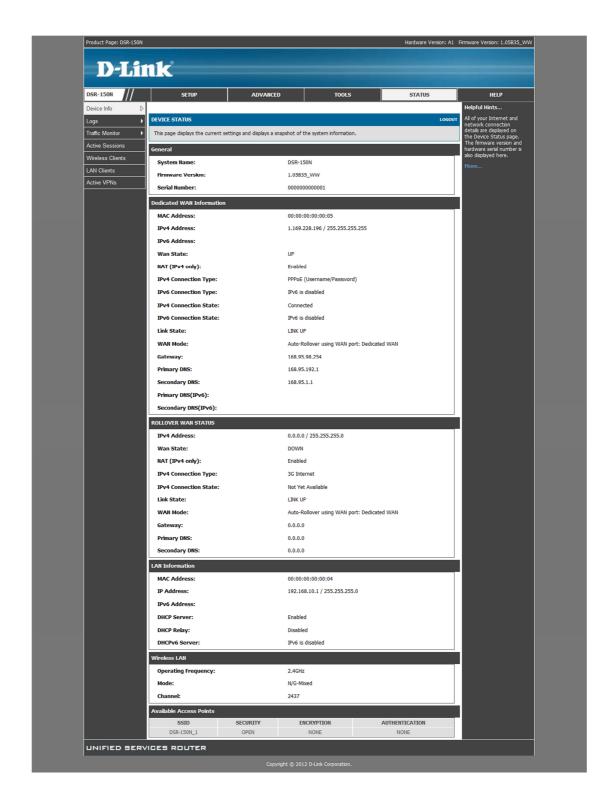|	
System Name:	DSR-150N
Firmware Version:	1.05B35_WW
Serial Number:	0000000000001

Dedicated WAN Information

MAC Address:	00:00:00:00:00:05
IPv4 Address:	1.169.228.196 / 255.255.255.255
IPv6 Address:	
Wan State:	UP
NAT (IPv4 only):	Enabled
IPv4 Connection Type:	PPPoE (Username/Password)
IPv6 Connection Type:	IPv6 is disabled
IPv4 Connection State:	Connected
IPv6 Connection State:	IPv6 is disabled
Link State:	LINK UP
WAN Mode:	Auto-Rollover using WAN port: Dedicated WAN
Gateway:	168.95.98.254
Primary DNS:	168.95.192.1
Secondary DNS:	168.95.1.1
Primary DNS(IPv6):	
Secondary DNS(IPv6):	

ROLLOVER WAN STATUS

IPv4 Address:	0.0.0.0 / 255.255.255.0
Wan State:	DOWN
NAT (IPv4 only):	Enabled
IPv4 Connection Type:	3G Internet
IPv4 Connection State:	Not Yet Available
Link State:	LINK UP
WAN Mode:	Auto-Rollover using WAN port: Dedicated WAN
Gateway:	0.0.0.0
Primary DNS:	0.0.0.0
Secondary DNS:	0.0.0.0

LAN Information

MAC Address:	00:00:00:00:00:04
IP Address:	192.168.10.1 / 255.255.255.0
IPv6 Address:	
DHCP Server:	Enabled
DHCP Relay:	Disabled
DHCPv6 Server:	IPv6 is disabled

Wireless LAN

Operating Frequency:	2.4GHz
Mode:	N/G-Mixed
Channel:	2437

Available Access Points

SSID	SECURITY	ENCRYPTION	AUTHENTICATION
DSR-150N_1	OPEN	NONE	NONE

UNIFIED SERVICES ROUTER

6. Changing the IP address to 1.1.1.1, an inexistent IP address, for simulate the DUT's wan port is unable to reach this monitored IP address.

DSR-150N	SETUP	ADVANCED	TOOLS	STATUS

Wizard ▶

Internet Settings ▷

Wireless Settings ▶

Network Settings ▶

VPN Settings ▶

USB Settings ▶

VLAN Settings ▶

Operation succeeded

WAN MODE   LOGOUT

This page allows user to configure the policies on the two WAN ports for Internet connection.

[Save Settings]   [Don't Save Settings]

Port Mode

Auto-Rollover using WAN port:	⦿
Use only single WAN port:	○

WAN Failure Detection Method

DNS lookup using WAN DNS Servers:	○
DNS lookup using DNS Servers:	○
WAN:	0.0.0.0
Ping these IP addresses:	⦿
WAN:	1.1.1.1
Retry Interval is:	30 (Seconds)
Failover after:	4 (Failures)

7. At this moment, the wan is link down, and Rollover wan is link up and get IP address from ISP.

D-Link

DSR-150N	SETUP	ADVANCED	TOOLS	STATUS	HELP

Device Info ▷
Logs ▶
Traffic Monitor ▶
Active Sessions
Wireless Clients
LAN Clients
Active VPNs

DEVICE STATUS　　　　　　　　　　　　　　　　　　　　　　　　　　LOGOUT

This page displays the current settings and displays a snapshot of the system information.

General

System Name:	DSR-150N
Firmware Version:	1.05B35_WW
Serial Number:	0000000000001

Dedicated WAN Information

MAC Address:	00:00:00:00:00:05
IPv4 Address:	111.250.9.26 / 255.255.255.255
IPv6 Address:	
Wan State:	DOWN
NAT (IPv4 only):	Enabled
IPv4 Connection Type:	PPPoE (Username/Password)
IPv6 Connection Type:	IPv6 is disabled
IPv4 Connection State:	Connected
IPv6 Connection State:	IPv6 is disabled
Link State:	LINK UP
WAN Mode:	Auto-Rollover using WAN port: Dedicated WAN
Gateway:	168.95.98.254
Primary DNS:	168.95.192.1
Secondary DNS:	168.95.1.1
Primary DNS(IPv6):	
Secondary DNS(IPv6):	

ROLLOVER WAN STATUS

IPv4 Address:	27.241.252.148 / 255.255.255.255
Wan State:	UP
NAT (IPv4 only):	Enabled
IPv4 Connection Type:	3G Internet
IPv4 Connection State:	Not Yet Available
Link State:	LINK UP
WAN Mode:	Auto-Rollover using WAN port: Dedicated WAN
Gateway:	10.64.64.66
Primary DNS:	210.241.192.201
Secondary DNS:	168.95.1.1

LAN Information

MAC Address:	00:00:00:00:00:04
IP Address:	192.168.10.1 / 255.255.255.0
IPv6 Address:	
DHCP Server:	Enabled
DHCP Relay:	Disabled
DHCPv6 Server:	IPv6 is disabled

Wireless LAN

Operating Frequency:	2.4GHz
Mode:	N/G-Mixed
Channel:	2437

Available Access Points

SSID	SECURITY	ENCRYPTION	AUTHENTICATION
DSR-150N_1	OPEN	NONE	NONE

UNIFIED SERVICES ROUTER

8. Check the DUT is still able to surf the Internet.

End of this document