

## How to setup load balancing on WAN ports

(1) Go to “WAN1 setup”. In this example, I used static IP in WAN1.

The screenshot shows the D-Link DSR-500N WAN1 Setup page. The 'Internet Settings' menu is expanded, and 'WAN1 SETUP' is selected. The 'ISP Connection Type' is set to 'Static IP'. The IP Address is 218.210.16.29, the IP Subnet Mask is 255.255.255.248, and the Gateway IP Address is 218.210.16.25. The Domain Name System (DNS) Servers are set to Primary DNS Server: 168.95.1.1 and Secondary DNS Server: 8.8.8.8.

ISP Connection Type	
ISP Connection Type:	Static IP
IP Address:	218.210.16.29
IP Subnet Mask:	255.255.255.248
Gateway IP Address:	218.210.16.25

  

Domain Name System (DNS) Servers	
Primary DNS Server:	168.95.1.1
Secondary DNS Server:	8.8.8.8

(2) Go to “WAN2 setup”. In this example, I used DHCP client in WAN2.

The screenshot shows the D-Link DSR-500N WAN2 Setup page. The 'Internet Settings' menu is expanded, and 'WAN2 SETUP' is selected. The 'ISP Connection Type' is set to 'Dynamic IP (DHCP)'. The Host Name is empty. The Domain Name System (DNS) Servers are set to DNS Server Source: Get Dynamically from ISP, Primary DNS Server: 0.0.0.0, and Secondary DNS Server: 0.0.0.0. The Mac Address is set to MAC Address Source: Use Default Address and MAC Address: 00:00:00:00:00:00.

ISP Connection Type	
ISP Connection Type:	Dynamic IP (DHCP)
Host Name:	

  

Domain Name System (DNS) Servers	
DNS Server Source:	Get Dynamically from ISP
Primary DNS Server:	0.0.0.0
Secondary DNS Server:	0.0.0.0

  

Mac Address	
MAC Address Source:	Use Default Address
MAC Address:	00:00:00:00:00:00

(3) Go to “WAN mode” and choose “Round Robin”.

The screenshot shows the WAN MODE configuration page. The left sidebar has 'Internet Settings' highlighted in red. The main content area has a blue header 'WAN MODE' with a 'LOGOUT' link. Below the header is a description: 'This page allows user to configure the policies on the two WAN ports for Internet connection.' There are two buttons: 'Save Settings' and 'Don't Save Settings'. The 'Port Mode' section contains three radio button options: 'Auto-Rollover using WAN port:' (selected), 'Load Balancing:' (selected and highlighted with a red box), and 'Use only single WAN port:' (selected). The 'Load Balancing' dropdown is set to 'Round Robin'. The 'WAN Failure Detection Method' section has 'None' selected. Below this are fields for 'WAN1:' and 'WAN2:' both set to '0.0.0.0', and a 'Ping these IP addresses:' option.

(4) Go to Advanced > Routing. Protocol binding setup to associate a service and/or LAN source to a WAN and/or destination network.

Dedicated WAN = WAN1.

Configurable WAN = WAN2.

The screenshot shows the PROTOCOL BINDINGS page. The left sidebar has 'Routing' highlighted in red. The main content area has a blue header 'PROTOCOL BINDINGS' with a 'LOGOUT' link. Below the header is a description: 'This page shows the configured protocol bindings. A user can also add, delete, edit, enable or disable the protocol bindings.' The 'List of Available Protocol Bindings' table is highlighted with a red border. The table has columns: 'Status', 'Service', 'Local Gateway', 'Source Network', and 'Destination Network'. There are two rows: one for 'HTTP' with 'Dedicated WAN' and one for 'FTP' with 'Configurable WAN'. Below the table are buttons for 'Edit', 'Enable', 'Disable', 'Delete', and 'Add'.

	Status	Service	Local Gateway	Source Network	Destination Network
<input type="checkbox"/>	Enabled	HTTP	Dedicated WAN	Any	Any
<input type="checkbox"/>	Enabled	FTP	Configurable WAN	Any	Any