

How to set up the DDNS on DSR series

[Topology]:

DSR-500N WAN1(PPPoE)-----D-Link DDNS

[Configuration]:

Product Page: DSR-500N Hardware Version: A1 Firmware Version: 1.03B09_WW

D-Link

DSR-500N // SETUP ADVANCED TOOLS STATUS HELP

Device Info > DEVICES STATUS LOGOUT

Logs >

Traffic Monitor >

Active Sessions

Active RunTime Sessions

Wireless Clients

LAN Clients

Active VPNs

DEVICE STATUS

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

General

System Name: DSR-500N

Firmware Version: 1.03B09_WW

Serial Number: 000000000001

WAN1 Information

MAC Address: 00:00:00:00:00:02

IPv4 Address: 124.8.80.62 / 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

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...](#)

1. Setup the WAN1 interface to use the PPPoE

DSR-500N // SETUP ADVANCED TOOLS STATUS HELP

Wizard >

Internet Settings >

Wireless Settings >

Network Settings >

DMZ Setup >

VPN Settings >

USB Settings >

VLAN Settings >

WAN1 SETUP LOGOUT

This page allows you to set up your Internet connection. Ensure that you have the Internet connection information such as the IP Addresses, Account Information etc. This information is usually provided by your ISP or network administrator.

PPPoE Profile Configuration

ISP Connection Type: PPPoE (Username/Password)

Address Mode: Dynamic IP Static IP

IP Address: 0.0.0.0

IP Subnet Mask: 0.0.0.0

User Name: ac01575479

Password:

Service: (Optional)

Authentication Type: Auto-negotiate

Reconnect Mode: Always On On Demand

Maximum Idle Time: 5

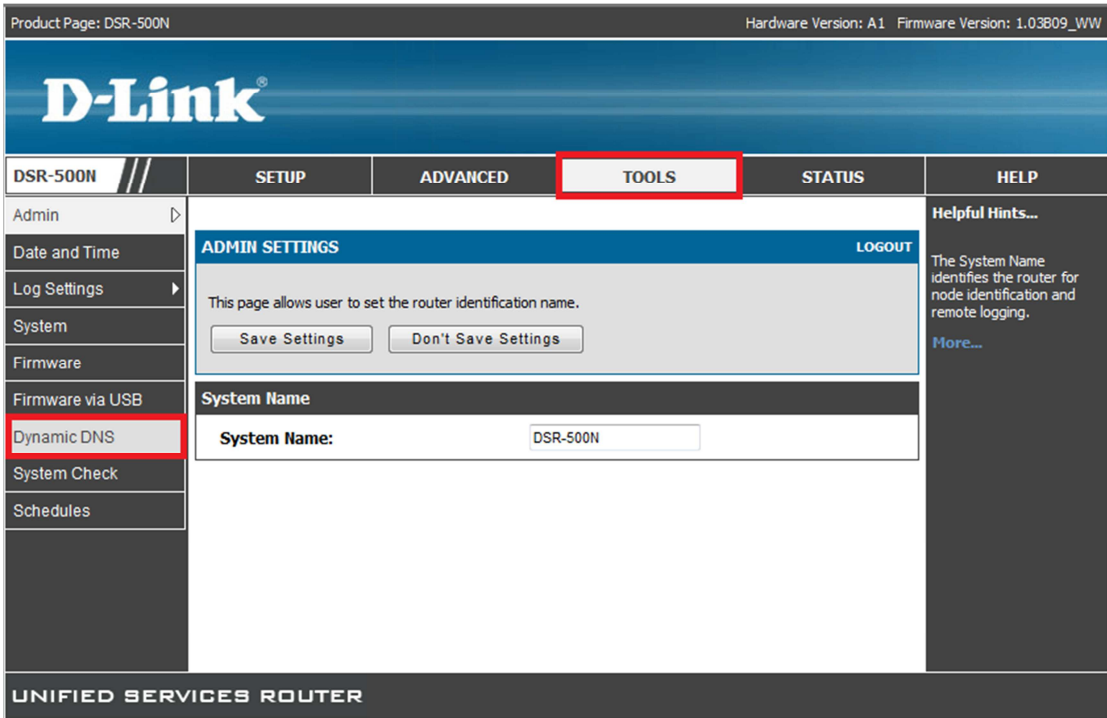
Domain Name System (DNS) Servers

Helpful Hints...

The setup page lets you configure the ISP settings to enable this router to connect to the Internet. This router supports multiple connections. Please select the appropriate connection to connect to the Internet.

[More...](#)

2. Under the **TOOLS-> Dynamic DNS.**



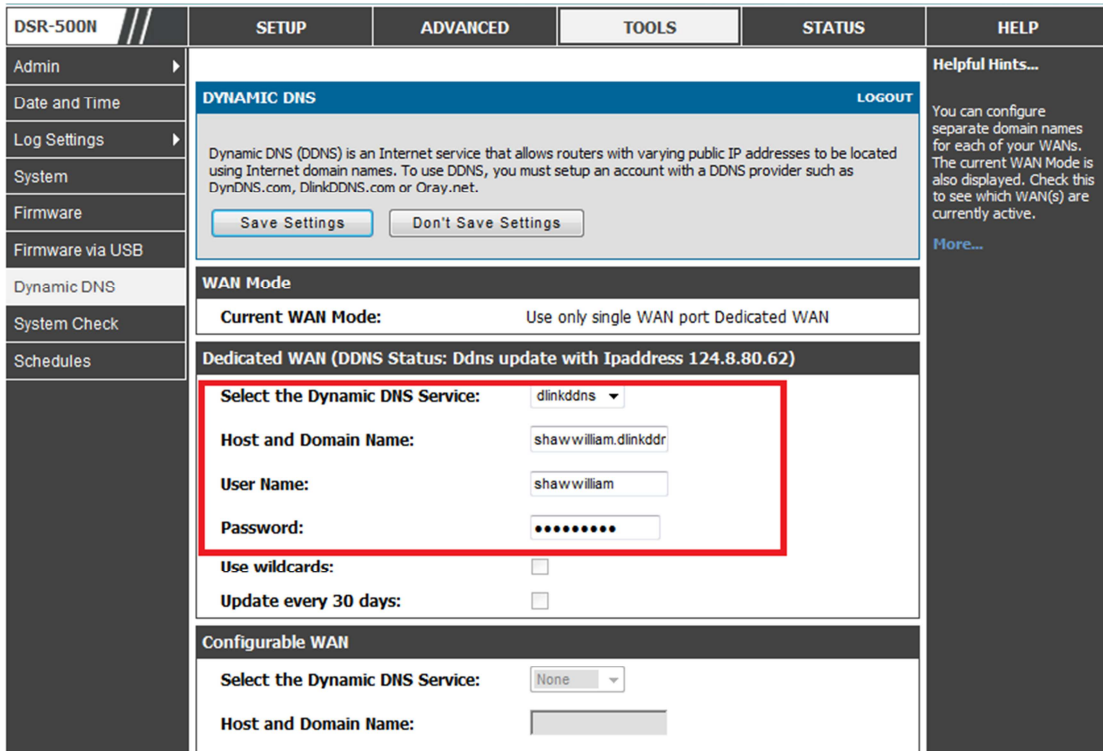
3. You have to specify the following information:

3a. Select the Dynamic DNS service: choose dlinkdns.

3b. Host and Domain Name: xxxxx.dlinkddns.com.

3c. Username: xxxxxx

3d. Password: xxxxxx



[Testing procedure]:

1. Make sure the IP address you get from PPPoE can correctly display in D-Link DDNS website

The screenshot shows the WAN1 Status page of a D-Link Unified Services Router. The page displays various network parameters for the WAN1 interface. The IPv4 Address is highlighted with a red box and is 124.8.80.62 / 255.255.255.255. Other parameters include MAC Address (00:00:00:00:00:02), WAN State (UP), NAT (IPv4 only) (Enabled), IPv4 Connection Type (PPPoE (Username/Password)), IPv4 Connection State (Connected), Link State (LINK UP), WAN Mode (Use only single WAN port: Dedicated WAN), Gateway (211.78.222.77), Primary DNS (61.31.1.1), and Secondary DNS (61.31.233.1). A 'Disable' button is visible at the bottom of the status area.

Parameter	Value
MAC Address:	00:00:00:00:00:02
IPv4 Address:	124.8.80.62 / 255.255.255.255
Wan State:	UP
NAT (IPv4 only):	Enabled
IPv4 Connection Type:	PPPoE (Username/Password)
IPv4 Connection State:	Connected
Link State:	LINK UP
WAN Mode:	Use only single WAN port: Dedicated WAN
Gateway:	211.78.222.77
Primary DNS:	61.31.1.1
Secondary DNS:	61.31.233.1

The screenshot shows the D-Link Dynamic DNS website. The user is logged in as 'shawwilliam'. The 'Modify Host' section displays the following information: Hostname (shawwilliam.dlinkddns.com), IP in DNS (124.8.80.62), Last Modified (December 15, 2010 09:26:50), Browser IP Address (118.166.221.130), and a New IP Address input field. A 'Save' button is present below the input field. A link 'Go back to my hosts' is also visible. The right sidebar contains links for HOW TO, FAQ, CONTACT, and LOST PASSWORD.

2. Disable or unplug the WAN1 interface and to get the new IP address.
3. After certain time and we can see the IP will change automatically.

This block contains two screenshots side-by-side. The left screenshot shows the D-Link Dynamic DNS website with the 'IP in DNS' field updated to 124.8.81.209. The right screenshot shows the D-Link router's WAN1 Status page, where the IPv4 Address has changed to 124.8.81.209 / 255.255.255.255, also highlighted with a red box. This demonstrates the automatic IP update process.