

# DI-764 Setup for ADSL (Static & Dynamic IP)

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This guide has been provided to help ADSL users connect to the ADSL network.

Please find that we will need the following before we can continue:

- This Guide

Now that we have the necessities we can continue with the setup. Please connect the ADSL modem to the WAN port on the DI-764 and a network cable to your PC.

It should be as below:

## ADSL MODEM → DI-764 → COMPUTERS NETWORK CARD

Once connected as shown above, we will need to setup an IP address on your PC. Do the following to set this up (or you can use a Dynamic IP address that the DHCP server assigns):

- **Windows 98/ME:**

Start > Settings > Control Panel > Network > TCP/IP (Network Card) > Properties

From here we will need to setup your IP addressing, please enter it as below:

IP: 192.168.0.2  
SUBNET MASK: 255.255.255.0  
GATEWAY: 192.168.0.1  
DNS: 192.168.0.1

Now apply these settings, reboot your PC and continue below:

- **Windows 2000/XP:**

Start > Control Panel > Network Connections > Local Area Connection > Properties > TCP/IP

From here we will need to setup your IP addressing, please enter it as below:

IP: 192.168.0.2  
SUBNET MASK: 255.255.255.0  
GATEWAY: 192.168.0.1  
DNS: 192.168.0.1

Now apply these settings and continue below:

Now we will configure the router with your ADSL information so we can connect to the Internet.

Please make sure to follow the next few steps carefully.

1. You will now need to login to the router using the password and username that has been specified, or the defaults if left untouched.
2. Now go to Home > WAN, in this page setup as below:
3. First of all we will cover the setup of a Dynamic IP address with the ISP.

All the below should be entered in this page:

WAN Settings: PPPoE

**PPPoE: Dynamic PPPoE**

Username: Username assigned by the ISP (sometimes can be your entire email address)

Password: Password assigned by the ISP

Retype Password: Same as above

IP Address: Will be disabled for Dynamic IP address

Primary DNS: Same as above

Secondary DNS: Same as above

Maximum Idle Time: 0 (can be different if you wish the modem to disconnect if left idle)

MTU: 1492 (set to default ADSL setting, can be changed if required)

Auto Reconnect: Enabled (best to be left on as it will reconnect the connection when required)

(Please find an example below)

The screenshot shows the WAN Settings page of a router. The 'WAN' tab is selected in the left sidebar. The main content area has tabs for 'Home', 'Advanced', 'Tools', 'Status', and 'Help'. Under 'WAN Settings', there are four radio button options: 'Dynamic IP Address', 'Static IP Address', 'PPPoE' (which is selected), and 'Others'. Below these are sub-options for 'PPTP'. The 'PPPoE' section includes fields for 'User Name' (dlink@bigpond), 'Password', 'Retype Password', 'Service Name' (optional), 'IP Address' (0.0.0.0), 'Primary DNS Address' (202.129.64.194), 'Secondary DNS Address' (202.129.64.198, optional), 'Maximum Idle Time' (0 Minutes), 'MTU' (1492), and 'Auto-reconnect' (Enabled). At the bottom right are 'Apply', 'Cancel', and 'Help' buttons.

4. Now we will cover the setup of a Static IP address with the ISP.

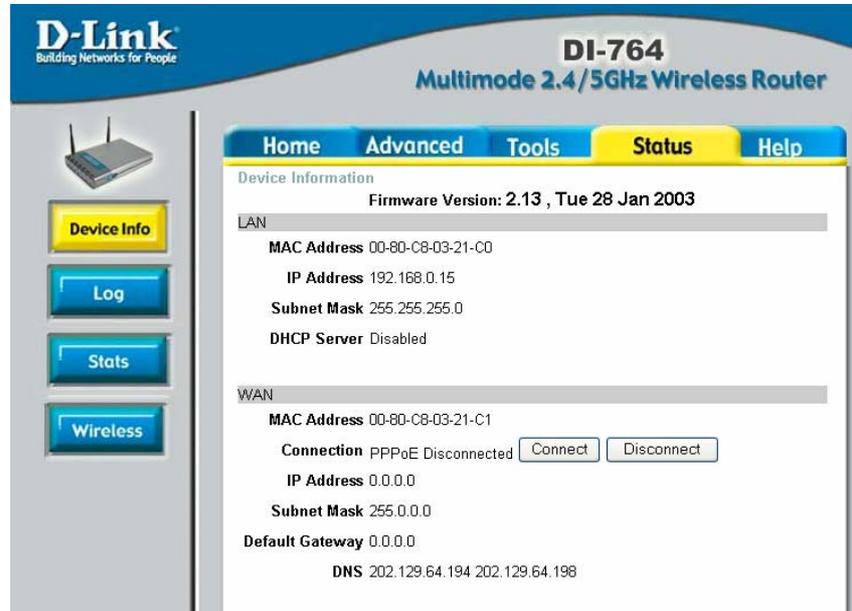
All the below should be entered in this page:

- |                    |  |
|--------------------|--|
| WAN Settings:      | PPPoE  |
| <b>PPPoE:</b>      | <b>Static PPPoE</b>  |
| Username:          | Username assigned by the ISP (sometimes can be your entire email address)      |
| Password:          | Password assigned by the ISP   |
| Retype Password:   | Same as above  |
| IP Address:        | Will be the IP address assigned by the ISP.                                    |
| Primary DNS:       | Same as above  |
| Secondary DNS:     | Same as above  |
| Maximum Idle Time: | 0 (can be different if you wish the modem to disconnect if left idle)          |
| MTU:               | 1492 (set to default ADSL setting, can be changed if required)                 |
| Auto Reconnect:    | Enabled (best to be left on as it will reconnect the connection when required) |

(Please find an example below)

This screenshot shows the same WAN Settings page as above, but with 'Static PPPoE' selected. The 'User Name' field is now 'dlink@internode.net.au' and the 'IP Address' field is '203.45.116.13'. The 'Auto-reconnect' option remains 'Enabled'. All other fields and the overall layout are identical to the previous screenshot.

5. One thing of recent that is vital with Telstra is the cloning of your PCs MAC address. This is what Telstra will assign an IP to. If you have the wrong MAC address you will be unable to connect. This MAC address must be from the PC that was originally setup and working with the ADSL modem. This can be done by setting the connection to a Dynamic IP address and then cloning the MAC address then switching back to a PPPoE connection.
6. Now that all of the above is done we can now try to connect to the ISP. This is done by going to the Status page and then clicking on "Connect" button. You should get something similar to what is below:



7. This should now say connected and display the IP addresses and Connection Status as "Connected"
8. You should now be able to open another copy of your Internet browser and open a favourite or go to a web address.

Happy browsing.

Regards,  
Technical Support  
D-Link Australia