

## Internet Connection Setup



# Internet Connection Setup



There are two sockets on the rear of your DSL-3580L capable of accepting an **incoming Internet connection**. If you just have a **telephone line** (either straight from the wall or via a **micro filter splitter**), then that cable should plug into the **smaller grey socket** (the **DSL port**) on the rear of the DSL-3580L. If you have a **modem** already, then the cable that will connect between the modem and the DSL-3580L will fit into the **larger red socket** (the **GE WAN port**).

Go to **Setup -> WAN Setup**. When using the **GE WAN** port select **Residential Gateway**:

The screenshot displays the WAN Setup configuration page for a DSL-3580L router. The page is organized into several sections:

- WAN SETUP:** Includes a note for advanced users and a 'Wizard' button.
- OPERATING MODE:** Shows 'Current Mode' with radio buttons for 'ADSL Router' and 'Residential Gateway (NBN/UFB Mode)'. 'Residential Gateway' is selected.
- ETHER WAN SETTING:** Shows 'Interface' set to 'WAN'.
- WAN SETTINGS:** Contains instructions and a note about DNS mode. It features three radio button options: 'Dynamic IP Address', 'Static IP Address' (selected), and 'PPPoE'. Descriptions explain each option.
- WAN:** Contains input fields for 'IP Address' (192.168.10.66, assigned by ISP), 'Subnet Mask' (255.255.240.0), and 'Gateway Address' (192.168.10.254). It also includes checkboxes for 'MTU' (1500), 'NAT' (checked), 'Firewall' (checked), 'Enable IGMP Proxy' (unchecked), 'Default Route' (checked), and 'Enable VLAN' (unchecked).

At the bottom of the configuration area is an 'Apply' button. The left sidebar shows navigation options like 'Wizard', 'WAN Setup', 'Wireless Setup', etc., and a status indicator for 'Internet Offline'.

If you are setting up the DSL-3580L to use the **GE WAN** port to connect to the Internet (by connecting to a separate modem), and thus setting the DSL-3580L as a **Residential Gateway** (see first screen-shot) then the connection details from your **ISP** will normally have been entered into the modem. All you need to enter here into the DSL-3580L is the IP address of the modem (enter this into **Default Gateway**), the subnet mask (normally **255.255.255.0**) and a **WAN IP Address** for your DSL-3580L. This should be in the same range as the IP Address for the **Default Gateway** (the first three groups of numbers should normally match. If, for some reason, you need to use the subnet mask of 255.255.0.0, then only the first two groups of numbers must match), and you can choose any number from 1 to 254 (excluding the number taken for the Default Gateway). **For example**, if the Default Gateway is **192.168.0.1** and the subnet mask is **255.255.255.0**, then you can choose **192.168.0.2** for your DSL-3580L's **WAN IP Address**.

If, for whatever reason, the connected modem has been set to **Bridge** mode, then you will need to enter the details provided by your ISP here. The information provided varies from ISP to ISP, and if you are unsure you should contact them for clarification. Have the model number to hand (**DSL-3580L**) and they will be able to tell you what settings you need to enter to get your internet connection working. You will need to ensure that **NAT** is ticked. You can also tick **Firewall** to add some extra protection to your router from external attack attempts. In **Advanced -> Firewall & DMZ** there are a number of extra settings you can make to the Firewall, but be sure of your changes as they can affect the operation of your internet connection.

Click **Apply** to save your changes.

When using the grey **DSL** port, under **Operating Mode** select **ADSL Router**:

The screenshot shows the D-Link DSL-3580L web interface. At the top, it displays 'Product: DSL-3580L' and 'Firmware Version: EU\_1.01'. The main header features the D-Link logo. Below this is a navigation menu with tabs for 'DSL-3580L', 'SETUP', 'ADVANCED', 'MAINTENANCE', 'STATUS', and 'HELP'. The 'SETUP' tab is active, showing a sidebar with options like 'Wizard', 'WAN Setup', 'Wireless Setup', 'LAN Setup', 'Time and Date', 'IPv6 Setup', 'USB Setup', 'Mydlink™ Settings', and 'Logout'. The main content area is titled 'WAN SETUP' and contains a note: 'If you consider yourself an advanced user or have configured a router before, you can input all the settings manually. Otherwise you can click SETUP->Wizard.' Below this is the 'OPERATING MODE' section, where 'Current Mode' is set to 'ADSL Router' (selected with a radio button) and 'Residential Gateway (NBN/UFB Mode)' is unselected. The 'ATM VC SETTING' section is partially visible, showing 'Interface' set to 'PVC1', 'Country' set to '(Click to select)', and 'ISP' set to '(Click to select)'. On the right side, there is a 'Helpful Hints...' section with text: 'Configuring a ADSL interface before you add a wan connection.' and a 'More...' link.

**ATM VC SETTING**

Interface: PVC1  
Country: (Click to select)  
ISP: (Click to select)  
VPI: 8  
VCI: 35  
Encapsulation: LLC

**WAN SETTINGS**

Configure your DSL connection here. Please consider the information of your provider on the settings otherwise it may not be possible to establish a connection.

- Dynamic IP Address: Choose this option to obtain an IP address automatically from your ISP. (For most Cable modem users)
- Static IP Address: Choose this option to set static IP information provided to you by your ISP.
- PPPoE: Choose this option if your ISP uses PPPoE. (For most DSL users)
- PPPoA: Choose this option if your ISP uses PPPoA. (For most DSL users)
- Bridge Mode: Choose this option if your ISP uses Bridge.

**WAN**

Note: The DNS Mode can't be set as only automatically detected when WAN setting is Static IP Address: [dns server](#)

IP Address: 192.168.10.66 assigned by your ISP  
Subnet Mask: 255.255.240.0  
Gateway Address: 192.168.10.254  
MTU: 1500  
NAT:   
Firewall:   
Enable IGMP Proxy:   
Default Route:   
Service Category: UBR  
Enable VLAN:

Apply

You will now need the connection information supplied to you by your ISP. The same applies as before - if in doubt, contact them for clarification. Have the model number to hand (**DSL-3580L**) and they will be able to tell you what settings you need to enter to get your internet connection working. You will need to ensure that **NAT** is ticked. You can also tick **Firewall** to add some extra protection to your router from external attack attempts. In **Advanced -> Firewall & DMZ** there are a number of extra settings you can make to the Firewall, but be sure of your changes as they can affect the operation of your internet connection.

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After you have entered the information supplied by your ISP, click **Apply** to save your changes.