

# Setting Up The DWR-512

For any additional assistance contact D-Link Africa either via e-mail at [support@d-link.co.za](mailto:support@d-link.co.za) or give us a call on 08600 DLINK (35465)

## Step 1:

- Make sure before you give the unit power that the SIM card has been inserted ( Please note that you can't insert or Extract the SIM card while the power is on, on the unit ),
- Make sure your Local Area Connection is enabled,
- Use static IP's if the router doesn't give you an IP using DHCP,

The image shows a Windows 7 desktop environment with two windows open. The top window is 'Network Connections' in the Control Panel, showing a list of network adapters. The bottom window is 'Local Area Connection Properties', showing the configuration for the selected network adapter. Red arrows and text boxes provide instructions on how to navigate and configure the network settings.

**Go To Your Network And Sharing Center**

**Right-Click on Local Area Connection and click on Properties**

**Use the following IP addresses if you prefer static IP's or if you don't receive an IP from the router using DHCP**

**Double Click on Internet Protocol V4**

The 'Internet Protocol Version 4 (TCP/IPv4) Properties' window shows the following settings:

- General tab
- Obtain an IP address automatically:
- Use the following IP address:
- IP address: 192 . 168 . 0 . 25
- Subnet mask: 255 . 255 . 255 . 0
- Default gateway: 192 . 168 . 0 . 1
- Obtain DNS server address automatically:
- Use the following DNS server addresses:
- Preferred DNS server: 192 . 168 . 0 . 1
- Alternate DNS server: . . . .
- Validate settings upon exit:

## Step 2:

- Open Internet Explorer and type in the IP of the router which is by default 192.168.0.1,
- Username : admin and the password can be left blank,



- It will be best to make sure the unit is in fact on the latest firmware version. You can download the firmware at <ftp.dlinktech.co.za/support> . Go to the respective model and open the Firmware folder ( if you are not sure which firmware version to download, then follow the contact details above ),
- Once you have downloaded the firmware ( you can save it to your desktop or your download folder,
- Once downloaded and you are logged in to the unit, Go to Tools, Firmware and simply Browse to the firmware you have downloaded and Upgrade,

Product Page : DWR-512 Firmware Version : V1.01

**D-Link**

DWR-512 // **SETUP** **ADVANCED** **TOOLS** **STATUS** **SUPPORT**

**FIRMWARE UPGRADE**

There may be new firmware for your Router to improve functionality and performance.

To upgrade the firmware, locate the upgrade file on the local hard drive with the Browse button. Once you have found the file to be used, click the Save Settings below to start the firmware upgrade.

**FIRMWARE INFORMATION**

Current Firmware Version : **V1.01**  
 Current Firmware Date : **2011/07/25**

**FIRMWARE UPGRADE**

**Note! Do not power off the unit when it is being upgraded. The upgrade procedure takes about 180 seconds. When the upgrade is done successfully, the unit will be restarted automatically.**

To upgrade the firmware, your PC must have a wired connection to the router. Enter the name of the firmware upgrade file, and click on the Upload button.

Upload :

Accept unofficial firmware.

Helpful Hints..

- Firmware updates are released periodically to improve the functionality of your router and to add features. If you run into a problem with a specific feature of the router, check if updated firmware is available for your router.

More...

Internet Online

Reboot

- After the Upgrade, log on to the unit and go to Tools again and this time System on the left hand side,
- Click on **Reset to Default** to restore the unit to its original state,



<b>DWR-512</b> //	<b>SETUP</b>	<b>ADVANCED</b>	<b>TOOLS</b>	<b>STATUS</b>	<b>SUPPORT</b>
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<b>ADMIN</b>	<b>SYSTEM SETTINGS</b>	<b>Helpful Hints..</b> <ul style="list-style-type: none"><li>• Once your router is configured the way you want it, you can save the configuration settings to a configuration file.</li><li>• You might need this file so that you can load your configuration later in the event that the router's default settings are restored.</li></ul> <b>More...</b>
TIME	The System Settings section allows you to restore the router to the factory default settings. Restoring the unit to the factory default settings will erase all settings, including any rules that you have created.	
SYSLOG		
EMAIL SETTINGS		
<b>SYSTEM</b>	The current system settings can be saved as a file onto the local hard drive. The saved file or any other saved setting file created by device can be uploaded into the unit.	
FIRMWARE	<b>SAVE AND RESTORE SETTINGS</b>	
DYNAMIC DNS	<b>Save Settings To Local Hard Drive :</b> <input type="button" value="Save"/>	
SYSTEM CHECK	<b>Load Settings From Local Hard Drive :</b> <input type="text"/> <input type="button" value="Browse..."/>	
SCHEDULES	<input type="button" value="Upload Settings"/>	
LOGOUT	<b>Restore To Factory Default Settings :</b> <input type="button" value="Reset to Default"/>	

**Click on Reset To Default**

### Step 3:

- After the reset log on again and go to Setup, then Internet and Manual Internet Connection Setup,

The screenshot displays the D-Link web interface for a DWR-512 router. At the top, it shows 'Product Page : DWR-512' and 'Firmware Version : V1.01'. The main header features the D-Link logo. Below this is a navigation bar with tabs for 'DWR-512', 'SETUP', 'ADVANCED', 'TOOLS', 'STATUS', and 'SUPPORT'. The 'SETUP' tab is selected. On the left, a sidebar contains links for 'INTERNET', 'WIRELESS SETTINGS', 'NETWORK SETTINGS', 'MESSAGE SERVICE', and 'LOGOUT'. Below these links are icons for 'Internet Offline' and a 'Reboot' button. The main content area is titled 'INTERNET CONNECTION' and contains the following sections:

- INTERNET CONNECTION**: A header section with an orange background.
- INTERNET CONNECTION SETUP WIZARD**: A section with a dark header. It contains the text: 'There are two ways to set up your Internet connection: you can use the Web-based Internet Connection Setup Wizard, or you can manually configure the connection.' Below this is a button labeled 'Internet Connection Setup Wizard'. A blue arrow points from the text 'Go To Setup' to this button.
- MANUAL INTERNET CONNECTION OPTIONS**: A section with a dark header. It contains the text: 'If you would like to configure the Internet settings of your Router manually, then click on the button below.' Below this is a button labeled 'Manual Internet Connection Setup'. A red box highlights this button, and a blue arrow points from the text 'Click on Manual Internet Connection Setup' to it.

On the right side of the interface, there is a 'Helpful Hints..' section with two bullet points:

- If you are new to networking and have never configured a router before, click on **Internet Connection Setup Wizard** and the router will guide you through a few simple steps to get your network up and running.
- If you consider yourself an advanced user and have configured a router before, click **Manual Internet Connection Setup** to Input all the settings manually.

A 'More...' link is located below the hints section.

## Step 4:

- Choose 3G as your connection,
- Dial Number - \*99#
- APN – Default is internet
- Reconnect Mode – Auto
- Keep alive using ping with any live IP address on the WEB
- Save settings when finished

Internet Offline

Reboot

Save Settings Don't Save Settings Save settings when finished

**INTERNET CONNECTION TYPE**

Choose the mode to be used by the router to connect to the Internet.

My Internet Connection is : 3G

Host Name :

**3G INTERNET CONNECTION TYPE**

Enter the information provided by your Internet Service Provider (ISP).

Prefer Service Type : Auto Mode

Account/Profile Name :

Username : (optional)

Password : (optional)

Verify Password : (optional)

Dial Number : \*99#

Authentication : Auto

APN : internet (optional)

Pin Code :

Reconnect Mode :  Auto  Manual

Maximum Idle Time : 300 seconds

Primary DNS Server :

Secondary DNS Server :

Keep Alive :  Disable  Use Ping  Use LCP Echo Request

Ping Interval : 10 seconds

Ping IP Address : 74.125.77.104

Bridge ethernet ports :  Enable

NAT disable :  Enable

Choose 3G Connection

Support: If you are having trouble accessing the Internet through the router, double check any settings you have entered on this page and verify them with your ISP if needed.

More...

Dial Number \*99#

APN - Default is internet

Reconnect Mode - Auto

Keep alive - Use Ping  
Ping Interval - 10 Seconds  
IP - Any live IP address on the WEB

## Step 5:

- Go To Status, Device info and you should get connection under the WAN section,

The screenshot displays the router's web interface with the following elements:

- Navigation Bar:** SETUP, ADVANCED, TOOLS, STATUS (highlighted), SUPPORT.
- Left Sidebar:** DWR-512, DEVICE INFO (highlighted), LOG, STATISTICS, WIRELESS, LOGOUT, Internet Offline, Reboot.
- Main Content Area:**
  - DEVICE INFORMATION:** All of your Internet and network connection details are displayed on this page. The firmware version is also displayed here. Includes a Refresh button and links for Device Info and Go to status.
  - GENERAL:** Time : Thu Dec 31, 2009 16:34:37 -0800; Firmware Version : V1.01 , 2011/07/25.
  - WAN:** Connection Type : 3G; Network Status : **Connected**; Connection Time : N/A; Signal Strength : (signal icon); IP Address : **41.214.45.65**; Subnet Mask : **255.255.255.0**; Default Gateway : **10.64.64.64**; DNS Server : **196.45.44.88**.
  - 3G CARD:** (partially visible at the bottom).
- Right Sidebar:** Helpful Hints.. (bullet point: All of your LAN, WAN and WIRELESS connection details are displayed here.); More...