

# USER MANUAL

DWR-113

VERSION 1.00



**D-Link**<sup>®</sup>

**WIRELESS**

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# Preface

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# Package Contents

- D-Link DWR-113 3G Wi-Fi Router
- Power Adapter
- Manual and Warranty on CD
- External Wi-Fi antenna

**Note:** Using a power supply with a different voltage rating than the one included with the DWR-113 will cause damage and void the warranty for this product.

# System Requirements

- A compatible 3G USB modem
- Computers with Windows®, Macintosh®, or Linux-based operating systems with an installed Ethernet adapter
- Internet Explorer Version 6.0 or Netscape Navigator™ Version 6.0 and above (for configuration)

# Introduction

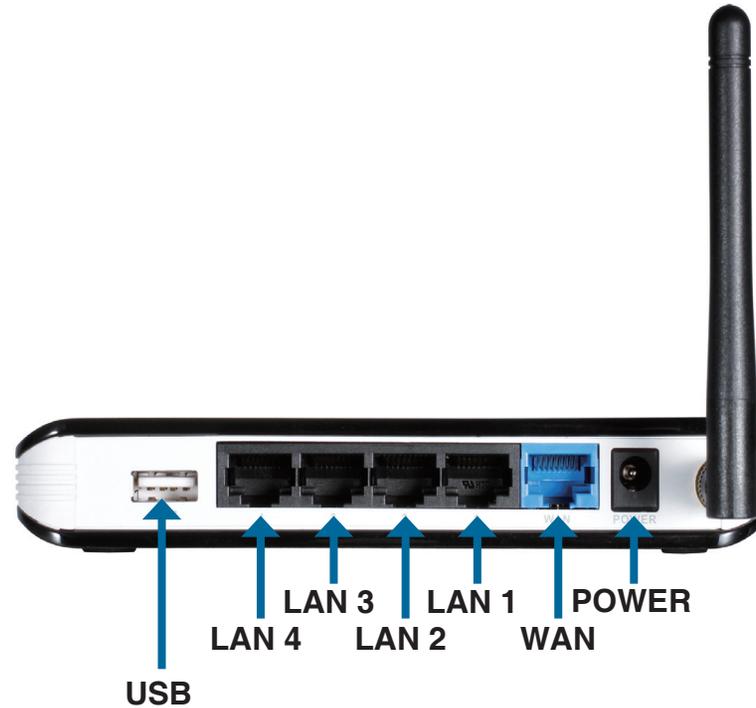
The D-Link 3G Wi-Fi Router allows users to access worldwide mobile broadband networks. Once connected, users can transfer data, stream media, and send SMS messages. Simply connect your USB modem and share your 3G Internet connection through a secure 802.11n wireless network or using the 10/100 Ethernet port.

While accessing your 3G Internet connection, you will still have the ability to respond to SMS messages.

The 3G Wi-Fi Router can be installed quickly and easily almost anywhere. This router is great for situations where an impromptu wireless network must be set up, or wherever conventional network access is unavailable. The DWR-113 can even be installed in buses, trains, or boats, allowing passengers to check e-mail or chat online while commuting.

# Hardware Overview

## Back Panel



Port	Function
<b>USB Port</b>	Connects to a USB modem.
<b>LAN Port</b>	Connects to wired computers or devices.
<b>WAN Port</b>	Connects to the Internet.
<b>Power Port</b>	Connects to the power adapter.

# Hardware Overview

## Front Panel and LEDs



LED	Description			
	Color	Solid	Blinking	Blinking (Fast)
3G	Green	3G connection established	Data transmitting	-
WAN	Green	WAN connection established	Data transmitting	-
Wi-Fi	Green	Wi-Fi active and available	Data transmitting	Device in WPS mode
LAN 1 - LAN 4	Green	Ethernet connection established	Data transmitting	-

# Installation

This section will guide you through the installation process. Placement of the router is very important. Do not place the router in an enclosed area such as a closet, cabinet, or in an attic or garage.

## Connect to Your Network

**Note:** Ensure that your DWR-113 3G Wi-Fi Router is disconnected and powered **off** before performing the installation steps below.

1. Connect a USB modem to the **USB** port on the back of the router.
2. Insert a LAN network cable into the **LAN** port on the back of the router. Plug the other end of the LAN cable into the LAN port of your computer or laptop. The Ethernet LED will turn green if the Ethernet connection is successfully established.

**Note:** The DWR-113 3G Wi-Fi Router LAN Port is “Auto-MDI/MDIX.” Therefore, patch or crossover Ethernet cables can be used.

3. Configure the device using the setup utility.

# Wireless Installation Considerations

The DWR-113 can be accessed using a wireless connection from virtually anywhere within the operating range of your wireless network. Keep in mind, however, that the quantity, thickness and location of walls, ceilings, or other objects that the wireless signals must pass through, may limit the range. Ranges vary depending on the types of materials and background RF (radio frequency) noise in your home or office. The key to maximizing the wireless range is to follow these basic guidelines:

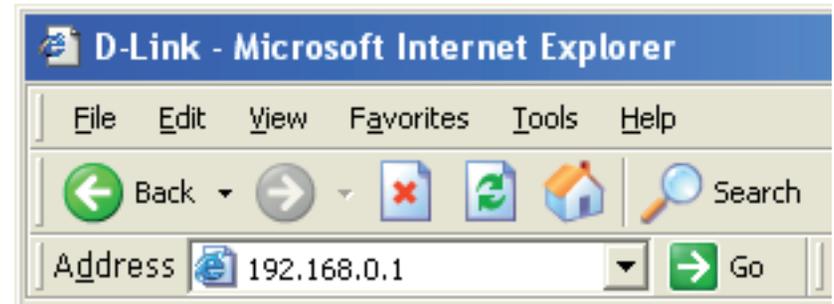
1. Minimize the number of walls and ceilings between the D-Link router and other network devices. Each wall or ceiling can reduce your adapter's range from 3 to 90 feet (1 to 30 meters).
2. Be aware of the direct line between network devices. A wall that is 1.5 feet thick (0.5 meters), at a 45-degree angle appears to be almost 3 feet (1 meter) thick. At a 2-degree angle it looks over 42 feet (14 meters) thick. Position devices so that the signal will travel straight through a wall or ceiling (instead of at an angle) for better reception.
3. Try to position access points, wireless routers, and computers so that the signal passes through open doorways and drywall. Materials such as glass, metal, brick, insulation, concrete and water can affect wireless performance. Large objects such as fish tanks, mirrors, file cabinets, metal doors and aluminum studs may also have a negative effect on range.
4. If you are using 2.4 GHz cordless phones, make sure that the 2.4 GHz phone base is as far away from your wireless device as possible. The base transmits a signal even if the phone is not in use. In some cases, cordless phones, X-10 wireless devices, and electronic equipment such as ceiling fans, fluorescent lights, and home security systems may dramatically degrade wireless connectivity.

# Configuration

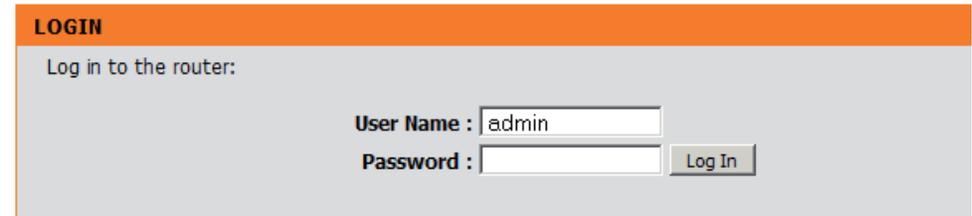
This section will show you how to configure your new D-Link mobile router using the web-based configuration utility.

## Web-based Configuration Utility

To access the configuration utility, open a web-browser such as Internet Explorer and enter the IP address of the router (192.168.0.1).



Type **Admin** and then enter the password. By default, the password is blank.



If you get a **Page Cannot be Displayed** error, please refer to the **Troubleshooting** section for assistance.

# Setup Wizard

The setup wizard guides you through the initial setup of your router. There are two ways to setup your Internet connection. You can use the Web-based **Internet Connection Setup Wizard** or you can manually configure using the **Manual Internet Connection Setup** wizard.

Click **Internet Connection Setup Wizard** to begin.

If you want to enter your settings without running the wizard, click **Manual Internet Connection Setup** and skip to page 13.

Product Page : DWR-113 Firmware Version : V1.00b02

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DWR-113 // SETUP ADVANCED TOOLS STATUS SUPPORT

INTERNET  
WIRELESS SETTINGS  
NETWORK SETTINGS  
LOGOUT

Internet Online  
Reboot

**WIRELESS CONNECTION**

There are 3 ways to setup your wireless connection. You can use the Wireless Connection Setup wizard or you can manually configure the connection.

**Please note that changes made on this section will also need to be duplicated to your wireless clients and PC.**

**WIRELESS CONNECTION SETUP WIZARD**

If you would like to utilize our easy to use Web-based Wizard to assist you in connecting your Wireless Router to the Internet, click on the button below.

Wireless Connection Setup Wizard

**Note:** Before launching the wizard, please make sure you have followed all steps outlined in the Quick Installation Guide included in the package.

**MANUAL WIRELESS CONNECTION OPTIONS**

If you would like to configure the Internet settings of your Router manually, then click on the button below.

Manual Wireless Connection Setup

**WI-FI PROTECTED SETUP**

If you would like to configure the Wi-Fi Protected Setup of your Router, then click on the button below.

Wi-Fi Protected Setup

**Helpful Hints...**

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

More...

## Internet Connection Setup Wizard

This wizard will guide you through a step-by-step process to configure your D-Link router to connect to the Internet.

Click **Next** to continue.

**WELCOME TO THE SETUP WIZARD**

**It appears that you have already successfully connected your new router to the Internet. Click Next if you still want to secure the router with a password and set the time zone.**

- Step 1: Set your Password
- Step 2: Select your Time Zone
- Step 3: Configure your Internet Connection
- Step 4: Save Settings and Connect

Prev Next Cancel Connect

Create a new password and then click **Next** to continue.

Click **Prev** to go back to the previous page or click **Cancel** to close the wizard.

**STEP 1: SET YOUR PASSWORD**

To secure your new networking device, please set and verify a password below:

Password :

Verify Password :

Select your time zone from the drop-down box and then click **Next** to continue.

Click **Prev** to go back to the previous page or click **Cancel** to close the wizard.

**STEP 2: SELECT YOUR TIME ZONE**

Select the appropriate time zone for your location. This information is required to configure the time-based options for the router.

(GMT-08:00) Pacific Time (US & Canada) ▾

Select the Internet connection type. The connection types are explained on the following page. If you are unsure of the correct connection type, you may have to contact your Internet Service Provider (ISP).

Click **Prev** to go back to the previous page or click **Cancel** to close the wizard.

**STEP 3: CONFIGURE YOUR INTERNET CONNECTION**

Please select the Internet connection type below:

- DHCP Connection (Dynamic IP Address)**  
Choose this if your Internet connection automatically provides you with an IP Address. Most Cable Modems use this type of connection.
- Username / Password Connection (PPPoE)**  
Choose this option if your Internet connection requires a username and password to get online. Most DSL modems use this type of connection.
- Username / Password Connection (PPTP)**  
PPTP client.
- Username / Password Connection (L2TP)**  
L2TP client.
- 3G Connection**  
3G.
- Static IP Address Connection**  
Choose this option if your Internet Setup Provider provided you with IP Address information that has to be manually configured.

**Note:** The DWR-113 supports several kinds of WAN interfaces, allowing you to assign either a WAN or a WWAN(3G) connection as the Backup WAN. If the Primary WAN is down or unavailable, configure the Backup WAN to **Enable**, and all the traffic will be routed through Backup WAN. This feature is called **WAN Failover**. You can use WAN Failover if you need redundancy to your Internet connection or any other network.

The subsequent configuration pages will differ depending on the selection you make on this page.

**DHCP Connection (Dynamic IP Address):** Choose this if your Internet connection automatically provides you with an IP Address. Most cable modems use this type of connection. See page 16 for information about how to configure this type of connection.

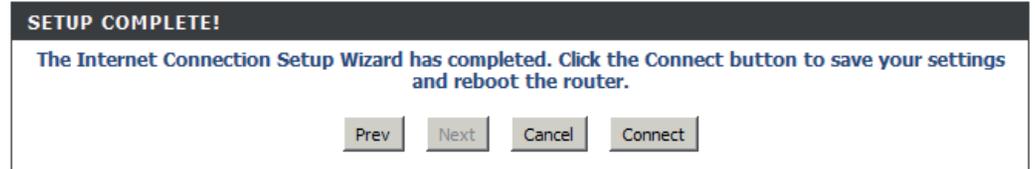
**Username / Password Connection (PPPoE):** Choose this option if your Internet connection requires a username and password to connect. Most DSL modems use this style of connection. See page 17 for information about how to configure this type of connection.

**Username / Password Connection (PPTP):** Choose this option if your Internet connection requires Point-to-Point Tunneling Protocol (PPTP). See page 18 for information about how to configure this type of connection.

**Username / Password Connection (L2TP):** Choose this option if your Internet connection requires Layer 2 Tunneling Protocol (L2TP). See page 19 for information about how to configure this type of connection.

**Static IP Address Connection:** Choose this option if your Internet Setup Provider provided you with IP Address information that has to be manually configured. See page 21 for information about how to configure this type of connection.

You have completed the **Setup Wizard**.



Click **Connect** to save your settings.

A popup will appear, to confirm your settings.

Click **OK** to save your settings.

# Manual Internet Connection Setup

Click **Manual Internet Connection Setup** to begin.

If you want to configure your router to connect to the Internet using the wizard, click **Internet Connection Setup Wizard** and refer to page 9.

The screenshot displays the D-Link DWR-113 web interface. At the top, it shows 'Product Page : DWR-113' and 'Firmware Version : V1.00b02'. The D-Link logo is prominently displayed. Below the logo is a navigation menu with tabs for 'DWR-113', 'SETUP', 'ADVANCED', 'TOOLS', 'STATUS', and 'SUPPORT'. The 'SETUP' tab is selected, and the 'INTERNET' sub-tab is active. The main content area is titled 'INTERNET CONNECTION' and contains the following 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, there is a section for 'INTERNET CONNECTION SETUP WIZARD' with a button labeled 'Internet Connection Setup Wizard'. A note states: 'Note : Before launching the wizard, please make sure you have followed all steps outlined in the Quick Installation guide included in the package.' The final section is 'MANUAL INTERNET CONNECTION OPTIONS' with a button labeled 'Manual Internet Connection Setup'. On the right side, 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.' and '• 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 also present.

# Internet Connection

## Internet Connection Type

Several different Internet Connection types can be selected depending upon the specifications of your Internet Service Provider (ISP).

**My Internet Connection is:** Select the Internet Connection type specified by your Internet Service Provider (ISP). The corresponding settings will be displayed below. Please see the following pages for details on how to configure these different connection types.

**Failover Internet Connection is:** This connection can serve as a backup for your default connection.

**Host Name:** Enter the name of the Internet host to be used as the backup connection.

**Primary DNS Server:** Enter the primary DNS server.

**Secondary DNS Server:** Enter the secondary DNS server.

**MTU:** Set the MTU (the default value is 1500).

**MAC Address:** Manually enter the MAC address or click **Clone** to copy the PC's MAC address.

**Auto-reconnect:** Tick this check box to enable auto-reconnect.

Product Page : DWR-113 Firmware Version : V1.00b02

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DWR-113 // SETUP ADVANCED TOOLS STATUS SUPPORT

INTERNET CONNECTION

Use this section to configure your Internet Connection type. There are several connection types to choose from: Static IP, DHCP, PPPoE, PPTP, L2TP, BigPond, and 3G. If you are unsure of your connection method, please contact your Internet Service Provider.

**Note:** If using the PPPoE option, you will need to remove or disable any PPPoE client software on your computers.

Save Settings Don't Save Settings Failover Setting...

INTERNET CONNECTION TYPE

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

My Internet Connection is Dynamic IP (DHCP)

Failover Internet Connection is N/A

DYNAMIC IP (DHCP) INTERNET CONNECTION TYPE

Use this Internet connection type if your Internet Service Provider (ISP) didn't provide you with IP Address information and/or a username and password.

Host Name :

Primary DNS Server :

Secondary DNS Server :

MTU :  (bytes) MTU default = 1500

MAC Address :  Clone

Auto-reconnect :  Enable

Helpful Hints..

- Internet Connection:** When configuring the router to access the Internet, be sure to choose the correct **Internet Connection Type** from the drop down menu. If you are unsure of which option to choose, please contact your **Internet Service Provider (ISP)**.
- 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...

## Dynamic IP (DHCP)

This section will help you to obtain IP Address information automatically from your ISP. Use this option if your ISP didn't provide you with IP Address information and/or a username and password.

**Host Name:** (Optional) Required by some ISPs.

**Primary DNS Server:** (Optional) Fill in with IP address of primary DNS server.

**Secondary DNS Server:** (Optional) Fill in with IP address of secondary DNS server.

**MTU (Maximum Transmission Unit):** You may need to change the Maximum Transmission Unit (MTU) for optimal performance. The default value is 1500.

**MAC Address:** The default MAC Address is set to the Internet port's physical interface MAC address on the Broadband Router. It is not recommended that you change the default MAC address unless required by your ISP. You can use the **Clone Your PC's MAC Address** button to replace the Internet port's MAC address with the MAC address of your PC.

**Auto-reconnect:** This feature enables this product to renew WAN IP address automatically when the lease time is expiring.

Click **Save Settings** to save your changes, or click **Don't Save Settings** to discard your changes.

**DYNAMIC IP (DHCP) INTERNET CONNECTION TYPE**

Use this Internet connection type if your Internet Service Provider (ISP) didn't provide you with IP Address information and/or a username and password.

Host Name :

Primary DNS Server :

Secondary DNS Server :  (optional)

MTU :  (bytes) MTU default = 1500

MAC Address :

Auto-reconnect :  Enable

## PPPoE

Choose this Internet connection if your ISP provides you PPPoE account.

**Username:** The username/account name that your ISP provides to you for PPPoE dial-up.

**Password:** Password that your ISP provides to you for PPPoE dial-up.

**Verify Password:** Fill in with the same password in Password field.

**Service Name:** (Optional) Fill in if provided by your ISP.

**IP Address:** (Optional) Fill in if provided by your ISP. If not, keep the default value.

**Primary DNS Server:** (Optional) Fill in if provided by your ISP. If not, keep the default value.

**Secondary DNS Server:** (Optional) Fill in if provided by your ISP. If not, keep the default value.

**MAC Address:** MAC address of WAN interface. You can also copy MAC address of your PC to its WAN interface by pressing **Clone Your PC's MAC** button. The **Restore MAC** button will reset the router to its default MAC address.

**Maximum Idle Time:** The amount of time of inactivity before disconnecting established PPPoE session. Set it to zero or enable Auto-reconnect will disable this feature.

**Maximum Transmission Unit (MTU):** The default setting of PPPoE is 1492.

**Auto-reconnect:** The device will dial-up PPPoE connection automatically.

Click **Save Settings** to save your changes, or click **Don't Save Settings** to discard your changes.

The screenshot shows the PPPoE configuration page with the following fields and options:

- Username:** [Text input field]
- Password:** [Text input field]
- Verify Password:** [Text input field]
- Service Name:** [Text input field] (optional)
- IP Address:** [Text input field] (0.0.0.0)
- Primary DNS Server:** [Text input field] (0.0.0.0) (optional)
- Secondary DNS Server:** [Text input field] (0.0.0.0) (optional)
- MAC Address:** [Text input field] (00-00-00-00-01-00) with **Save** and **Restore MAC** buttons
- Maximum Idle Time:** [Text input field] (300) seconds
- MTU:** [Text input field] (1492) (bytes) MTU default = 1492
- Auto-reconnect:**  Enable

At the bottom, there are two buttons: **Save Settings** and **Don't Save Settings**.

## PPTP

Choose this Internet connection if your ISP provides you PPTP account.

**Address Mode:** Choose Static IP only if your ISP assigns you an IP address. Otherwise, please choose Dynamic IP.

**PPTP IP Address:** Enter the information provided by your ISP. (Only applicable for Static IP PPTP.)

**PPTP Subnet Mask:** Enter the information provided by your ISP. (Only applicable for Static IP PPTP.)

**PPTP Gateway IP Address:** Enter the information provided by your ISP. (Only applicable for Static IP PPTP.)

**PPTP Server IP Address:** IP address of PPTP server.

**Username:** User/account name that your ISP provides to you for PPTP dial-up.

**Password:** Password that your ISP provides to you for PPTP dial-up.

**Verify Password:** Fill in with the same password in Password field.

**Reconnect Mode:** Choose **Always-on** when you want to establish PPTP connection all the time. If you choose **Connect-on-demand**, the device will establish PPTP connection when local users want to surf Internet, and disconnect if no traffic after time period of Maximum Idle Time.

**Maximum Idle Time:** The time of no activity to disconnect your PPTP session. Set it to zero or choose Always-on to disable this feature.

The screenshot shows a configuration window titled "PPTP" with the instruction "Enter the information provided by your Internet Service Provider (ISP)". The fields are as follows:

- Address Mode:** Radio buttons for "Dynamic IP" and "Static IP" (selected).
- PPTP IP Address:** Text box containing "0.0.0.0".
- PPTP Subnet Mask:** Text box containing "255.255.255.0".
- PPTP Gateway IP Address:** Text box containing "0.0.0.0".
- PPTP Server IP Address:** Empty text box.
- Username:** Empty text box.
- Password:** Empty text box.
- Verify Password:** Empty text box.
- Reconnect Mode:** Radio buttons for "Always-on" and "Connect-on-demand" (selected).
- Maximum Idle Time:** Text box containing "300" followed by "seconds".

At the bottom of the window are two buttons: "Save Settings" and "Don't Save Settings".

Click **Save Settings** to save your changes, or click **Don't Save Settings** to discard your changes.

## L2TP

Choose this Internet connection if your ISP provides you L2TP account.

**Address Mode:** Choose Static IP only if your ISP assigns you an IP address. Otherwise, please choose Dynamic IP.

**L2TP IP Address:** Enter the information provided by your ISP. (Only applicable for Static IP L2TP.)

**L2TP Subnet Mask:** Enter the information provided by your ISP. (Only applicable for Static IP L2TP.)

**L2TP Gateway IP Address:** Enter the information provided by your ISP. (Only applicable for Static IP L2TP.)

**L2TP Server IP Address:** IP address of L2TP server.

**Username:** User/account name that your ISP provides to you for L2TP dial-up.

**Password:** Password that your ISP provides to you for L2TP dial-up.

**Verify Password:** Fill in with the same password in Password field.

**Reconnect Mode:** Choose Always-on when you want to establish L2TP connection all the time. Choose Connect-on-demand the device will establish L2TP connection when local users want to surf Internet, and disconnect if no traffic after time period of Maximum Idle Time.

**Maximum Idle Time:** The time of no activity to disconnect your L2TP session. Set it to zero or choose Always-on to disable this feature.

The screenshot shows the L2TP configuration window with the following fields and values:

- Address Mode:**  Dynamic IP  Static IP
- L2TP IP Address:**
- L2TP Subnet Mask:**
- L2TP Gateway IP Address:**
- L2TP Server IP Address:**
- Username:**
- Password:**
- Verify Password:**
- Reconnect Mode:**  Always-on  Connect-on-demand
- Maximum Idle Time:**  seconds

At the bottom of the window are two buttons: "Save Settings" and "Don't Save Settings".

Click **Save Settings** to save your changes, or click **Don't Save Settings** to discard your changes.

## 3G

Choose this Internet connection if you already use a SIM card for 3G Internet service from your Telecom company. The fields here may not be necessary for your connection. The information on this page should only be used if required by your service provider.

**Account/Profile Name:** Fill in a name to indicate the following 3G configuration.

**Username:** (Optional) Fill in only if requested by ISP.

**Password:** (Optional) Fill in only if requested by ISP.

**Dialed Number:** Enter the number to be dialed.

**Authentication:** PAP, CHAP, or Auto detection. The default authentication method is Auto.

**APN:** (Optional) Enter the APN information.

**PIN:** Enter the PIN associated with your SIM card.

**Reconnect Mode:** Auto or Manual. Connect to 3G network automatically or manually.

**Maximum Idle Time:** The time of no activity to disconnect established 3G session. Set it to zero or choose Auto in Reconnect Mode to disable this feature.

**Primary DNS Server:** (Optional) Fill in if provided by your ISP. If not, keep the default value.

**Secondary DNS Server:** (Optional) Fill in if provided by your ISP. If not, keep the default value.

**Keep Alive:** Disable or Use LCP Echo Request. It depends on ISP requirement.

**Bridge Ethernet Ports:** Activate this feature to change Ethernet WAN port to LAN port.

Click **Save Settings** to save your changes, or click **Don't Save Settings** to discard your changes.

**3G INTERNET CONNECTION TYPE**

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

Account/Profile Name :

Username :  (optional)

Password :  (optional)

Dialed Number :

Authentication :  (optional)

APN :  (optional)

Pin :

Reconnect Mode :  Auto  Manual

Maximum Idle Time :  seconds

Primary DNS Server :

Secondary DNS Server :

Keep Alive :  Disable  Use LCP Echo Request

Bridge ethernet ports :  Enable

## Static IP

Choose this Internet connection if your ISP assigns you a static IP address.

**IP Address:** Enter the IP address assigned to your network connection.

**Subnet Mask:** Enter the subnet mask.

**Default Gateway:** Enter the default gateway.

**Primary DNS Server:** Enter the primary DNS server.

**Secondary DNS Server:** Enter the secondary DNS server.

**MTU:** You may need to change the Maximum Transmission Unit (MTU) for optimal performance. The default value is 1500.

**MAC Address:** The default MAC Address is set to the Internet port's physical interface MAC address on the Broadband Router. It is not recommended that you change the default MAC address unless required by your ISP. You can use the **Clone Your PC's MAC Address** button to replace the Internet port's MAC address with the MAC address of your Ethernet card.

**STATIC IP ADDRESS INTERNET CONNECTION TYPE**

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

**IP Address :**

**Subnet Mask :**

**Default Gateway :**

**Primary DNS Server :**

**Secondary DNS Server :**

**MTU :**  (bytes) MTU default = 1500

**MAC Address :**

Click **Save Settings** to save your changes, or click **Don't Save Settings** to discard your changes.

# Wireless Settings

This section will help you to manually configure the wireless settings of your router. Please note that changes made on this section may also need to be duplicated on your Wireless Client.

## WIRELESS NETWORK SETTINGS

**Enable Wireless:** Select this checkbox to enable wireless access. When you set this option, the following parameters take effect.

**Wireless Network Name:** Also known as the SSID (Service Set Identifier), this is the name of your Wireless Local Area Network (WLAN). Enter a name using up to 32 alphanumeric characters. The SSID is case-sensitive. The default name is “dlink\_DWR-113”.

**802.11 Mode: B/G/N mixed:** Enable this mode if your network contains a mix of 802.11b and 802.11g devices.

**G mode:** Enable this mode if your network has only 802.11g devices. If you have both 802.11b and 802.11g wireless clients, disable this mode.

**Auto Channel Scan:** A wireless network uses specific channels in the wireless spectrum to handle communication between clients. Some channels in your area may experience interference from other electronic devices. Choose the clearest channel to help optimize the performance and coverage of your wireless network.

Click **Save Settings** to save your changes, or click **Don't Save Settings** to discard your changes.

Product Page : DWR-113 Firmware Version : V1.00b02

**D-Link**

INTERNET // SETUP ADVANCED TOOLS STATUS SUPPORT

INTERNET  
WIRELESS SETTINGS  
NETWORK SETTINGS  
LOGOUT

Internet Online  
Reboot

**WIRELESS NETWORK**

Use this section to configure the wireless settings for this device. Please note that changes made on this section may also need to be duplicated on your wireless client.

To protect your privacy you can configure wireless security features. This device supports three wireless security modes including: WEP, WPA and WPA2.

Save Settings Don't Save Settings

**WIRELESS NETWORK SETTINGS**

Enable Wireless :

Wireless Network Name :  (Also called the SSID)

802.11 Mode : B/G/N mixed

Auto Channel Scan :

Wireless Channel : 2.462 GHz - CH 11

Visibility Status :  Visible  Invisible

**WIRELESS SECURITY MODE**

Security Mode : None

Save Settings Don't Save Settings

**Helpful Hints..**

- Changing your Wireless Network Name is the first step in securing your wireless network. We recommend that you change it to a familiar name that does not contain any personal information.
- Enabling Hidden Mode is another way to secure your network. With this option enabled, no wireless clients will be able to see your wireless network when they perform scan to see what's available. In order for your wireless devices to connect to your router, you will need to manually enter the Wireless Network Name on each device.
- If you have enabled Wireless Security, make sure you write down WEP Key or Passphrase that you have configured. You will need to enter this

**Wireless Channel:** Indicates the channel setting for the DWR-113. By default the channel is set to 11. This can be changed to fit the channel setting for an existing wireless network or to customize your wireless network. Click **Auto Channel Scan** to automatically select the channel that it will operate on. This option is recommended because the router will choose the channel with the least amount of interference.

**Visibility Status:** Select **Invisible** if you do not want the SSID of your wireless network to be broadcasted by DWR-113. The SSID of your router will not be seen by Site Survey utilities. Therefore while setting up your wireless clients, you will have to manually enter your SSID to connect to the router.

## WIRELESS SECURITY MODE

**Security Mode:** This device supports three wireless security modes, **WEP**, **WPA-Personal**, **WPA-Enterprise** or **None**. WEP is the original wireless encryption standard. WPA provides a higher level of security and WPA-Personal does not require an authentication server. When WPA enterprise is enabled, the router uses EAP (802.1x) to authenticate clients via a remote RADIUS server.

Click **Save Settings** to save your changes, or click **Don't Save Settings** to discard your changes.

The screenshot displays the D-Link DWR-113 web interface. At the top, it shows 'Product Page : DWR-113' and 'Firmware Version : V1.00b02'. The D-Link logo is prominently displayed. Below the logo, there are navigation tabs for 'SETUP', 'ADVANCED', 'TOOLS', 'STATUS', and 'SUPPORT'. The 'WIRELESS NETWORK' section is active, showing instructions and a 'Save Settings' / 'Don't Save Settings' button. The 'WIRELESS NETWORK SETTINGS' section includes fields for 'Enable Wireless' (checked), 'Wireless Network Name' (with a note '(Also called the SSID)'), '802.11 Mode' (set to 'B/G/N mixed'), 'Auto Channel Scan' (unchecked), 'Wireless Channel' (set to '2.462 GHz - CH 11'), and 'Visibility Status' (radio buttons for 'Visible' and 'Invisible'). The 'WIRELESS SECURITY MODE' section shows 'Security Mode' set to 'None'. A 'Reboot' button is visible in the left sidebar. A 'Helpful Hints..' section on the right provides additional guidance on network security and hidden mode.

# Network Settings

## Router Settings

This section will help you to change the internal network settings of your router and to configure the DHCP Server settings.

**Router IP Address:** Enter the IP address of the router. The default IP address is **192.168.0.1**.

If you change the IP address, you will need to enter the new IP address in your browser to get into the configuration utility.

**Default Subnet Mask:** Enter the **Subnet Mask** of the router. The default subnet mask is **255.255.255.0**.

**Local Domain Name:** Enter the local domain name for your network.

The screenshot shows the D-Link DWR-113 web interface. The top navigation bar includes 'D-Link' logo and 'Product Page : DWR-113' and 'Firmware Version : V1.00b02'. The main menu has 'DWR-113 //', 'SETUP', 'ADVANCED', 'TOOLS', 'STATUS', and 'SUPPORT'. The left sidebar contains 'INTERNET', 'WIRELESS SETTINGS', 'NETWORK SETTINGS', and 'LOGOUT'. The 'Reboot' button is visible below the sidebar. The main content area is titled 'NETWORK SETTING' and contains the following sections:

- NETWORK SETTING:** A text block explaining the purpose of the section and a note that it is optional. Below it are 'Save Settings' and 'Don't Save Settings' buttons.
- ROUTER SETTINGS:** A section with three input fields: 'Router IP Address' (192.168.0.1), 'Default Subnet Mask' (255.255.255.0), and 'Local Domain Name'.
- DHCP SERVER SETTINGS:** A section with a checked 'Enable DHCP Server' checkbox, a 'DHCP IP Address Range' (50 to 199), a 'DHCP Lease Time' (86400 seconds), and four empty input fields for 'Primary DNS IP Address', 'Secondary DNS IP Address', 'Primary WINS IP Address', and 'Secondary WINS IP Address'. 'Save Settings' and 'Don't Save Settings' buttons are at the bottom.

A 'Helpful Hints...' sidebar on the right contains a note about DHCP server configuration and a 'More...' link.

Click **Save Settings** to save your changes, or click **Don't Save Settings** to discard your changes.

## DHCP Server Settings

The DWR-113 has a built-in DHCP (Dynamic Host Control Protocol) server. The DHCP server assigns IP addresses to devices on the network that request them. By default, the DHCP Server is enabled on the device. The DHCP address pool contains a range of IP addresses, which is automatically assigned to the clients on the network.

**Enable DHCP Server:** Select this box to enable the DHCP server on your router.

**DHCP IP Address Range:** Enter the starting and ending IP address for the server's IP assignment.

**DHCP Lease Time:** The time period for the IP address lease. Enter the Lease time in minutes.

**Primary DNS IP Address:** Primary DNS IP Address: assign a primary DNS Server to DHCP clients.

**Secondary DNS IP Address:** Secondary DNS IP Address: assign a DNS Server to DHCP clients.

**Primary WINS IP Address:** Primary WINS IP Address: assign a primary WINS Server to DHCP clients.

**Secondary WINS IP Address:** Secondary WINS IP Address: assign a WINS Server to DHCP clients.

**DHCP SERVER SETTINGS**

Use this section to configure the built-in DHCP server to assign IP address to the computers on your network.

**Enable DHCP Server :**

**DHCP IP Address Range :**  to  (addresses within the LAN subnet)

**DHCP Lease Time :**  (minutes)

**Primary DNS IP Address**

**Secondary DNS IP Address**

**Primary WINS IP Address**

**Secondary WINS IP Address**

Click **Save Settings** to save your changes, or click **Don't Save Settings** to discard your changes.

# Virtual Server

The device can be configured as a virtual server so that users can access services such as Web or FTP via the public (WAN) IP address of the router.

**Well-known Services:** This contains a list of pre-defined services.

**Copy to:** Copies the rule to the line of the specified ID.

**Use schedule rule:** You may select **Always On** or choose the number of a schedule rule that you have defined.

## VIRTUAL SERVERS LIST

**ID:** Identifies the virtual server.

**Server IP: Port:** Enter the last digits of the IP address of the computer on your local network that you want to allow the incoming service. In the next box, enter the port number that you would like to open.

**Enable:** Select this box to enable the rule.

**Schedule Rule #:** Specify the schedule rule number.

Click **Save Settings** to save your changes, or click **Don't Save Settings** to discard your changes.

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**D-Link**

DWR-113 // SETUP ADVANCED TOOLS STATUS SUPPORT

**VIRTUAL SERVER**

The Virtual Server option allows you to define a single public port on your router for redirection to an internal LAN IP Address and Private LAN port if required. This feature is useful for hosting online services such as FTP or Web Servers.

Save Settings Don't Save Settings

Well known services -- select one -- Copy to ID --

Use schedule rule ---ALWAYS ON---

**VIRTUAL SERVERS LIST**

ID	Service Ports	Server IP : Port	Enable	Schedule Rule#
1			<input type="checkbox"/>	Add New Rule...
2			<input type="checkbox"/>	Add New Rule...
3			<input type="checkbox"/>	Add New Rule...
4			<input type="checkbox"/>	Add New Rule...
5			<input type="checkbox"/>	Add New Rule...
6			<input type="checkbox"/>	Add New Rule...
7			<input type="checkbox"/>	Add New Rule...
8			<input type="checkbox"/>	Add New Rule...
9			<input type="checkbox"/>	Add New Rule...
10			<input type="checkbox"/>	Add New Rule...
11			<input type="checkbox"/>	Add New Rule...
12			<input type="checkbox"/>	Add New Rule...
13			<input type="checkbox"/>	Add New Rule...
14			<input type="checkbox"/>	Add New Rule...
15			<input type="checkbox"/>	Add New Rule...
16			<input type="checkbox"/>	Add New Rule...
17			<input type="checkbox"/>	Add New Rule...
18			<input type="checkbox"/>	Add New Rule...
19			<input type="checkbox"/>	Add New Rule...
20			<input type="checkbox"/>	Add New Rule...

Save Settings Don't Save Settings

Internet Offline Reboot

**Helpful Hints...**

- You can select your computer from the list of DHCP clients in the **Computer Name** drop down menu, or enter the IP address manually of the computer you would like to open the specified port to.
- This Feature allows you to open a range of ports to a computer on your network. To do so, enter the first port in the range you would like to open on the router in the first box under **Public Port** and last port of the range in the second one. After that you enter the first port in the range that the internal server uses in the first box under **Private Port** and the last port of the range in the second.
- To open a single port using this feature, simply enter the same number in both boxes.

More...

# Application Rules

Some applications require multiple connections, such as Internet gaming, video conferencing, Internet telephony and others. These applications have difficulties working through NAT (Network Address Translation). **Applications Rules** allow some of these applications work with the DWR-113.

## APPLICATION RULES

**Popular Applications:** Select from a list of popular applications.

**Copy to ID:** Copies the predefined application rule to the line of the specified ID.

**ID:** Identifies the rule.

**Trigger:** The name of the trigger.

**Incoming Ports:** Specify the incoming port for the trigger rule.

**Enable:** Select this box to enable the rule.

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**D-Link**

DWR-113 // SETUP ADVANCED TOOLS STATUS SUPPORT

VIRTUAL SERVER  
APPLICATION RULES  
QOS ENGINE  
MAC ADDRESS FILTER  
URL FILTER  
OUTBOUND FILTER  
INBOUND FILTER  
SNMP  
ROUTING  
ADVANCED WIRELESS  
ADVANCED NETWORK  
LOGOUT

Internet Online  
Reboot

**APPLICATION RULES**

This option is used to open single or multiple ports on your router when the router senses data sent to the Internet on a 'trigger' port or port range. Special Applications rules apply to all computers on your internal network.

Save Settings Don't Save Settings

Popular applications -- select one -- Copy to ID --

**APPLICATION RULES**

ID	Trigger	Incoming Ports	Enable
1	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
2	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
3	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
4	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
5	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
6	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
7	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
8	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
9	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
10	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
11	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
12	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>

Save Settings Don't Save Settings

**Helpful Hints..**

- Check the **Application Name** drop down menu for a list of pre-defined applications that you can select from. If you select one of the pre-defined applications, click the arrow button next to the drop down menu to fill out the appropriate fields.

More...

Click **Save Settings** to save your changes, or click **Don't Save Settings** to discard your changes.

# QoS Engine

The **QoS Engine** improves your online gaming experience by ensuring that your game traffic is prioritized over other network traffic, such as FTP or Web. For best performance, use the Automatic Classification option to automatically set the priority for the applications.

## QoS ENGINE SETUP

**Enable QoS Packet Filter:** Select this box to enable the QoS Packet Filter.

**Upstream Bandwidth:** Specify the maximum upstream bandwidth here (e.g. 400 kbps).

## QoS RULES

**ID:** Identifies the rule.

**Local IP : Ports:** Specify the local IP address and then specify the port after the colon.

**Remote IP : Ports:** Specify the remote IP address and then the port after the colon.

**QoS Priority:** Select **Low**, **Normal**, or **High**.

**Enable:** Select a checkbox to enable the particular QoS rules individually.

Click **Save Settings** to save your changes, or click **Don't Save Settings** to discard your changes.

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**D-Link**

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**QoS ENGINE**

Use this section to configure QoS Engine. The QoS Engine improves your online gaming experience by ensuring that your game traffic is prioritized over other network traffic, such as FTP or Web. For best performance, use the Automatic Classification option to automatically set the priority for your applications.

Save Settings Don't Save Settings

**QoS ENGINE SETUP**

Enable QoS Packet Filter :

Upstream bandwidth :  kbps

Use schedule rule ---ALWAYS ON--- Copy to ID --

**QoS RULES**

ID	Local IP : Ports	Remote IP : Ports	QoS Priority	Enable	Use Rule#
1	<input type="text"/> : <input type="text"/>	<input type="text"/> : <input type="text"/>	High	<input type="checkbox"/>	Add New Rule...
2	<input type="text"/> : <input type="text"/>	<input type="text"/> : <input type="text"/>	High	<input type="checkbox"/>	Add New Rule...
3	<input type="text"/> : <input type="text"/>	<input type="text"/> : <input type="text"/>	High	<input type="checkbox"/>	Add New Rule...
4	<input type="text"/> : <input type="text"/>	<input type="text"/> : <input type="text"/>	High	<input type="checkbox"/>	Add New Rule...
5	<input type="text"/> : <input type="text"/>	<input type="text"/> : <input type="text"/>	High	<input type="checkbox"/>	Add New Rule...
6	<input type="text"/> : <input type="text"/>	<input type="text"/> : <input type="text"/>	High	<input type="checkbox"/>	Add New Rule...
7	<input type="text"/> : <input type="text"/>	<input type="text"/> : <input type="text"/>	High	<input type="checkbox"/>	Add New Rule...
8	<input type="text"/> : <input type="text"/>	<input type="text"/> : <input type="text"/>	High	<input type="checkbox"/>	Add New Rule...

Save Settings Don't Save Settings

Helpful Hints..

- Gives a user the capability to control network traffic with different priority.

More...

# MAC Address Filter

The **MAC (Media Access Controller) Address Filter** option is used to control network access based on the MAC Address of the network adapter. A MAC address is a unique ID assigned by the manufacturer of the network adapter. This feature can be configured to ALLOW or DENY network/Internet access.

## MAC FILTERING SETTINGS

- MAC Address Control:** Select this box to enable Mac Filtering.
- Connection Control:** Wireless and wired clients with **C** selected can connect to this device and **allow/deny** connections from unspecified MAC addresses.
- Association Control:** Wireless clients with **A** selected can associate to the wireless LAN; and **allow/deny** connections from unspecified MAC addresses.

## MAC FILTERING RULES

- ID:** Identifies the rule.
- MAC Address:** Specify the MAC Address of the computer to be filtered.
- IP Address:** Specify the last section of the IP address.
- Wake On LAN:** Click **Trigger** to configure Wake On LAN.

- C:** If this box is selected, the rule will follow the connection control setting specified in MAC filtering settings.
- A:** If this box is selected, the rule will follow the connection control setting specified in MAC filtering settings.

Click **Save Settings** to save your changes, or click **Don't Save Settings** to discard your changes.

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**MAC ADDRESS FILTER**

The MAC (Media Access Controller) Address filter option is used to control network access based on the MAC Address of the network adapter. A MAC address is a unique ID assigned by the manufacturer of the network adapter. This feature can be configured to ALLOW or DENY network/Internet access.

Save Settings Don't Save Settings

**MAC FILTERING SETTINGS**

MAC Address Control :  Enable

Connection control Wireless and wired clients with C checked can connect to this device; and  allow unspecified MAC addresses to connect.

Association control Wireless clients with A checked can associate to the wireless LAN; and  allow unspecified MAC addresses to associate.

DHCP clients -- select one -- Copy to ID --

**MAC FILTERING RULES**

ID	MAC Address	IP Address	C	A
1	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>

Previous page Next page

Save Settings Don't Save Settings

**Helpful Hints..**

- **MAC Address Control** allows you to assign different access right for different users and to assign a specific IP address to a certain MAC address.
- **Connection control:** Connection control allows you to allow or deny the wired and wireless clients to connect to this device and the Internet. Check **Connection control** to enable the controlling. If a client is denied to connect to this device, it means that the client can't access the Internet and some network resources. Choose **allow or deny** to allow or deny clients whose MAC addresses are not listed in the **Control table**.
- **Association control:** The **Association control** process is the exchange of information between wireless clients and this device to establish a link between them. A wireless client is capable of transmitting and receiving data to this device only after the association process is successfully completed.

# URL Filter

**URL Filter** allows you to set up a list of Web-sites that will be blocked from users on your network.

**URL Filtering:** Select this box to enable URL Filtering.

## URL FILTERING RULES

**ID:** Identifies the rule.

**URL:** Enter URL that you would like to block.

**Enable:** Click to enable the specific URL filter.

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**D-Link**

DWR-113 // SETUP ADVANCED TOOLS STATUS SUPPORT

**URL FILTER**  
URL Blocking will block LAN computers to connect to pre-defined Websites.  
Save Settings Don't Save Settings

**URL FILTERING SETTING**  
URL Filtering :  Enable

**URL FILTERING RULES**

ID	URL	Enable
1	<input type="text"/>	<input type="checkbox"/>
2	<input type="text"/>	<input type="checkbox"/>
3	<input type="text"/>	<input type="checkbox"/>
4	<input type="text"/>	<input type="checkbox"/>
5	<input type="text"/>	<input type="checkbox"/>

Save Settings Don't Save Settings

**Helpful Hints..**  
• Create a list of Web Sites to which you would like to deny or allow through the network.  
[More...](#)

Internet Online  
Reboot

Click **Save Settings** to save your changes, or click **Don't Save Settings** to discard your changes.

# Outbound Filter

**Outbound Filter** enables you to control what packets are allowed to pass the router. Outbound filter applies on all outbound packets.

## OUTBOUND FILTER SETTING

**Outbound Filter:** Select this box to **Enable** the filter.

**Use Schedule Rule:** You may select **Always On** or choose the number of a schedule rule that you have defined.

**Copy to ID:** Copies the predefined filter to the specified ID

## OUTBOUND FILTER RULES LIST

**ID:** Identifies the filter.

**Source IP : Ports:** Specify the local IP address and then specify the port after the colon.

**Destination IP : Ports:** Specify the remote IP address and then the port after the colon.

**Enable:** Select this box to enable the filter.

**Schedule Rule #:** Specify the schedule rule number.

**Previous Page:** Go back to the previous filter page.

**Next Page:** Advance to the next filter page.

Click **Save Settings** to save your changes, or click **Don't Save Settings** to discard your changes.

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**D-Link**

DWR-113 // SETUP ADVANCED TOOLS STATUS SUPPORT

VIRTUAL SERVER APPLICATION RULES QOS ENGINE MAC ADDRESS FILTER URL FILTER OUTBOUND FILTER INBOUND FILTER SNMP ROUTING ADVANCED WIRELESS ADVANCED NETWORK LOGOUT

Internet Offline Reboot

**OUTBOUND FILTER**

Packet Filter enables you to control what packets are allowed to pass the router. Outbound filter applies on all outbound packets.

Save Settings Don't Save Settings

**OUTBOUND FILTER SETTING**

Outbound Filter :  Enable

Use schedule rule ---ALWAYS ON--- Copy to ID --

**OUTBOUND FILTER RULES LIST**

Allow all to pass except those match the following rules.  
 Deny all to pass except those match the following rules.

ID	Source IP:Ports	Destination IP:Ports	Enable	Schedule Rule#
1			<input type="checkbox"/>	Add New Rule...
2			<input type="checkbox"/>	Add New Rule...
3			<input type="checkbox"/>	Add New Rule...
4			<input type="checkbox"/>	Add New Rule...
5			<input type="checkbox"/>	Add New Rule...
6			<input type="checkbox"/>	Add New Rule...
7			<input type="checkbox"/>	Add New Rule...
8			<input type="checkbox"/>	Add New Rule...

Previous page Next page

Save Settings Don't Save Settings

**Helpful Hints..**

- Packet Filter enables you to control what packets are allowed to pass the router. Outbound filter applies on all outbound packets. However, Inbound filter applies on packets that destined to Virtual Servers or DMZ host only. You can select one of the two filtering policies:

More...

# Inbound Filter

**Inbound Filter** enables you to control what packets are allowed to pass the router. Inbound filter only applies to packets that are destined for Virtual Servers or DMZ hosts.

## INTBOUND FILTER SETTING

**Inbound Filter:** Select this box to **Enable** the filter.

**Use Schedule Rule:** You may select **Always On** or choose the number of a schedule rule that you have defined.

**Copy to ID:** Copies the predefined filter to the specified ID

## INBOUND FILTER RULES LIST

**ID:** Identifies the filter.

**Source IP : Ports:** Specify the local IP address and then specify the port after the colon.

**Destination IP : Ports:** Specify the remote IP address and then the port after the colon.

**Enable:** Select this box to enable the filter.

**Schedule Rule #:** Specify the schedule rule number.

**Previous Page:** Go back to the previous filter page.

**Next Page:** Advance to the next filter page.

Click **Save Settings** to save your changes, or click **Don't Save Settings** to discard your changes.

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**D-Link**

DWR-113 // SETUP ADVANCED TOOLS STATUS SUPPORT

**INBOUND FILTER**

Packet Filter enables you to control what packets are allowed to pass the router. Inbound filter applies on packets that destined to Virtual Servers or DMZ host only.

Save Settings Don't Save Settings

**INBOUND FILTER SETTING**

Inbound Filter :  Enable

Use schedule rule ---ALWAYS ON--- Copy to ID --

**INBOUND FILTER RULES LIST**

Allow all to pass except those match the following rules.  
 Deny all to pass except those match the following rules.

ID	Source IP:Ports	Destination IP:Ports	Enable	Schedule Rule#
1			<input type="checkbox"/>	Add New Rule...
2			<input type="checkbox"/>	Add New Rule...
3			<input type="checkbox"/>	Add New Rule...
4			<input type="checkbox"/>	Add New Rule...
5			<input type="checkbox"/>	Add New Rule...
6			<input type="checkbox"/>	Add New Rule...
7			<input type="checkbox"/>	Add New Rule...
8			<input type="checkbox"/>	Add New Rule...

Previous page Next page

Save Settings Don't Save Settings

**Helpful Hints...**

- Packet Filter enables you to control what packets are allowed to pass the router. Outbound filter applies on all outbound packets. However, Inbound filter applies on packets that destined to Virtual Servers or DMZ host only. You can select one of the two filtering policies.

**More...**

# SNMP

**SNMP** (Simple Network Management Protocol) is a widely used network monitoring and control protocol that reports activity on each network device to the administrator of the network. SNMP can be used to monitor traffic and statistics of the DWR-113. The DWR-113 supports SNMP v1 or v2c.

## SNMP

**SNMP Local:** Select **Enabled** to allow local SNMP administration. Select **Disabled** to disallow local SNMP administration.

**SNMP Remote:** Select **Enabled** to allow local SNMP administration. Select **Disabled** to disallow local SNMP administration.

**Get Community:** Enter the password **public** in this field to allow “Read only” access to network administration using SNMP. You can view the network, but no configuration is possible with this setting.

**Set Community:** Enter the password **private** in this field to gain “Read and Write” access to the network using SNMP software.

**IP 1, IP 2, IP 3, IP 4:** Enter up to four IP addresses of any trap targets on your network.

**SNMP Version:** Select the SNMP version of your system.

Click **Save Settings** to save your changes, or click **Don't Save Settings** to discard your changes.

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**D-Link**

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VIRTUAL SERVER  
APPLICATION RULES  
QOS ENGINE  
MAC ADDRESS FILTER  
URL FILTER  
OUTBOUND FILTER  
INBOUND FILTER  
SNMP  
ROUTING  
ADVANCED WIRELESS  
ADVANCED NETWORK  
LOGOUT

Internet Online  
Reboot

**SNMP**  
Use Simple Network Management Protocol(SNMP) for management purposes.  
Save Settings Don't Save Settings

**SNMP**

SNMP Local :  Enabled  Disabled  
SNMP Remote :  Enabled  Disabled  
Get Community :   
Set Community :   
IP 1 :   
IP 2 :   
IP 3 :   
IP 4 :   
SNMP Version :  V1  V2c  
WAN Access IP Address :

Save Settings Don't Save Settings

**Helpful Hints..**  
• Gives a user the capability to remotely manage a computer network by polling and setting terminal values and monitoring network events.  
More...

# Routing

The **Routing** page allows you to specify custom routes that determine how data is moved around your network.

## RIP SETTING

**RIP:** Select this box to enable routing.

**RIPv1:** Protocol in which the IP address is routed through the internet.

**RIPv2:** Enhanced version of RIPv1 with added features such as Authentication, Routing Domain, Next Hop Forwarding, and Subnet-mask Exchange.

## ROUTING RULES

**ID:** Identifies the rule.

**Destination:** Enter the IP of the specified network that you want to access using the static route.

**Subnet Mask:** Enter the subnet mask to be used for the specified net work.

**Gateway:** Enter the gateway IP address to the specified network.

**Hop:** Enter the amount of hops it will take to reach the specified network.

**Note:** In a transmission path, each link is terminated at a network device such as a router or gateway. The number of hops equals the number of routers or gateways that data must pass through before reaching the destination.

**Enable:** Select this box to enable the rule.

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**D-Link**

DWR-113 // SETUP ADVANCED TOOLS STATUS SUPPORT

**ROUTING**

This Routing page allows you to specify custom routes that determine how data is moved around your network.

Save Settings Don't Save Settings

**RIP SETTING**

RIP :  Enable  RIPv1  RIPv2

**ROUTING RULES**

ID	Destination	Subnet Mask	Gateway	Hop	Enable
1					<input type="checkbox"/>
2					<input type="checkbox"/>
3					<input type="checkbox"/>
4					<input type="checkbox"/>
5					<input type="checkbox"/>
6					<input type="checkbox"/>
7					<input type="checkbox"/>
8					<input type="checkbox"/>

Save Settings Don't Save Settings

**Helpful Hints..**

- Each route has a check box next to it, check this box if you want the route to be enabled.
- The destination IP address is the address of the host or network you wish to reach.
- The netmask field identifies the portion of the destination IP in use.
- The gateway IP address is the IP address of the router, if any, used to reach the specified destination.

More...

# Advanced Wireless

**Advanced Wireless** contains settings which can negatively affect the performance of your router if configured improperly. Do not change these settings unless you are already familiar with them or have been instructed to make the change by one of our support personnel.

**Beacon Interval:** Beacons are packets sent by an Access Point to synchronize a wireless network. Specify a value. 100 is the default setting and is recommended.

**Transmit Power:** Set the transmit power of the antennas.

**RTS Threshold:** This value should remain at its default setting of 2347. If inconsistent data flow is a problem, only a minor modification should be made.

**Fragmentation:** The fragmentation threshold, which is specified in bytes, determines whether packets will be fragmented. Packets exceeding the 2346 byte setting will be fragmented before transmission. 2346 is the default setting.

**DTIM Interval:** A Delivery Traffic Indication Message (DTIM) is a countdown informing clients of the next window for listening to broadcast and multicast messages. The default interval is 3.

**WMM Capable:** WMM (Wi-Fi Multimedia) is QoS (Quality of Service) system for your wireless network. Enable this option to improve the quality of video and voice applications for your wireless clients.

**TX Rates:** Select the basic transfer rates based on the speed of wireless adapters on your wireless network. It is strongly recommended to keep this setting to **Auto**.

Click **Save Settings** to save your changes, or click **Don't Save Settings** to discard your changes.

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**D-Link**

DWR-113 // SETUP ADVANCED TOOLS STATUS SUPPORT

**ADVANCED WIRELESS**

If you are not familiar with these Advanced Wireless settings, please read the help section before attempting to modify these settings.

Save Settings Don't Save Settings

**ADVANCED WIRELESS SETTINGS**

Beacon Interval : 100 (msec, range:1~1000, default: 100)

Transmit Power : 100%

RTS Threshold : 2347 (1~2347,default 2347)

Fragmentation : 2346 (256~2346,default 2346,even number only)

DTIM Interval : 1 (range: 1~255, default: 3)

WMM Capable  Enable  Disable

TX Rates : MCS 3 - 26[54]

Save Settings Don't Save Settings

Reboot

Internet Offline

**Helpful Hints..**

It is recommended that you leave these parameters at their default values. Adjusting them could limit the performance of your wireless network. Use 802.11d only for countries where it is required.

More...

# Advanced Network

**Advanced Network** contains settings which can change the way the router handles certain types of traffic. We recommend that you do not change any of these settings unless you are already familiar with them or have been instructed to make the change by one of our support personnel.

## UPnP

**Enable UPnP:** Click **Enable UPnP** to use the Universal Plug and Play (UPnP™) feature. UPnP provides compatibility with networking equipment, software and peripherals.

## WAN PING

**Enable WAN Ping Respond:** Select the box to allow the WAN port to be “pinged.” Blocking the Ping option may provide some extra security from hackers.

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**D-Link**

DWR-113 // SETUP ADVANCED TOOLS STATUS SUPPORT

**ADVANCED NETWORK**

If you are not familiar with these Advanced Network settings, please read the help section before attempting to modify these settings.

Save Settings Don't Save Settings

**UPnP**

Universal Plug and Play (UPnP) supports peer-to-peer Plug and Play functionality for network devices.

Enable UPnP :

**WAN PING**

If you enable this feature, the WAN port of your router will respond to ping requests from the Internet that are sent to the WAN IP Address.

Enable WAN Ping Respond :

Save Settings Don't Save Settings

Reboot

**Helpful Hints..**

- UPnP helps other UPnP LAN hosts interoperate with the router. Leave the UPnP option enabled as long as the LAN has other UPnP applications.
- For added security, it is recommended that you disable the WAN Ping Respond option. Ping is often used by malicious Internet users to locate active networks or PCs.

[More...](#)

Click **Save Settings** to save your changes, or click **Don't Save Settings** to discard your changes.

# Admin

The **Admin** page allows you to change the Administrator password and enable Remote Management. The Admin has read/write access while the user has read-only access. Only the admin has the ability to change both admin and user account passwords.

## ADMINISTRATOR

**New Password:** Enter a password that the admin account will use to access the router's management interface.

**Confirm Password:** Confirm the chosen password.

## REMOTE MANAGEMENT

**Remote Management:** Remote management allows the DWR-113 to be configured from the Internet using a web browser. A username and password is still required to access the Web-Management interface. Usually only a member of your network can browse the built-in web pages to perform Administrator tasks. This feature enables you to perform Administrator tasks from the remote (Internet) host.

**IP Allowed to Access:** Enter the Internet IP address of the PC that has access to the Broadband Router. If you enter an asterisk (\*) in this field, then anyone will be able to access the Router. Adding an asterisk (\*) into this field could present a security risk and is not recommended.

**Port:** This is the port number used to access the router. Example: 8080 is the port used for the Web-Management interface.

Click **Save Settings** to save your changes, or click **Don't Save Settings** to discard your changes.

The screenshot shows the D-Link DWR-113 Admin interface. At the top, it displays 'Product Page : DWR-113' and 'Firmware Version : V1.00b02'. The D-Link logo is prominently displayed. Below the logo is a navigation menu with tabs for 'SETUP', 'ADVANCED', 'TOOLS', 'STATUS', and 'SUPPORT'. The 'ADMIN' tab is selected, and the 'ADMINISTRATOR SETTINGS' section is active. This section includes a message: 'To help secure your network, we recommend that you should choose a new password.' Below this message are two buttons: 'Save Settings' and 'Don't Save Settings'. The 'ADMINISTRATOR (THE DEFAULT LOGIN NAME IS "admin")' section contains two input fields: 'New Password' and 'Confirm Password'. The 'REMOTE MANAGEMENT' section has a checkbox for 'Enable Remote Management' (which is currently unchecked), an input field for 'IP Allowed to Access', and a 'Port' dropdown menu set to 'Manual'. At the bottom of the form are 'Save Settings' and 'Don't Save Settings' buttons. On the right side of the interface, there is a 'Helpful Hints..' section with three bullet points: 'For security reasons, it is recommended that you change the password for the Admin and User accounts. Be sure to write down the new and passwords to avoid having to reset the router in case they are forgotten.', 'Enabling Remote Management, allows you or others to change the router configuration from a computer on the Internet.', and 'Choose a port to open for remote management.' A 'More...' link is also present.

# Time

This section will help you set the time zone that you are in and the NTP (Network Time Protocol) Server. Daylight Saving can also be configured to adjust the time when needed.

**Time:** Displays the current time and date of the DWR-113.

**Time Zone:** Select the appropriate **Time Zone** from the drop-down box.

**Automatically synchronize with Internet time server:** Select this checkbox to automatically synchronize the DWR-113 with an Internet time server.

**NTP Server Used:** Choose the NTP Server used for synchronizing time and date.

**Sync. Result:** Shows the result of the last time synchronization.

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**D-Link**

DWR-113 // SETUP ADVANCED **TOOLS** STATUS SUPPORT

ADMIN  
TIME  
SYSLOG  
EMAIL SETTINGS  
SYSTEM  
FIRMWARE  
DYNAMIC DNS  
SYSTEM CHECK  
SCHEDULES  
LOGOUT

Internet Online  
Reboot

**TIME AND DATE**  
The Time and Date Configuration option allows you to configure, update, and maintain the correct time on the internal system clock. From this section you can set the time zone that you are in and set the NTP (Network Time Protocol) Server. Daylight Saving can also be configured to adjust the time when needed.  
Save Settings Don't Save Settings

**TIME AND DATE CONFIGURATION**  
Time : Fri Jan 01, 2010 08:21:08  
Time Zone : (GMT -08:00) Pacific Time (US & Canada)

**AUTOMATIC TIME AND DATE CONFIGURATION**  
 Automatically synchronize with Internet time server  
NTP Server Used : time.nist.gov Update Now

**SYNC. RESULT**

Save Settings Don't Save Settings

Helpful Hints..  
• Good timekeeping is important for accurate logs and scheduled firewall rules.  
More...

Click **Save Settings** to save your changes, or click **Don't Save Settings** to discard your changes.

# Syslog

The DWR-113 keeps a running log of events and activities occurring on the router. You may send these logs to a SysLog server on your network.

**Enable Logging to Syslog Server:** Select this box to send the router logs to a Syslog Server.

**Syslog Server IP Address:** Enter the address of the Syslog server that will be used to send the logs. You may also select your computer from the drop-down box (only if you want to receive an IP address from the router via DHCP).

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**D-Link**

DWR-113 // SETUP ADVANCED **TOOLS** STATUS SUPPORT

ADMIN  
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SYSTEM  
FIRMWARE  
DYNAMIC DNS  
SYSTEM CHECK  
SCHEDULES  
LOGOUT

**SYSLOG**

The SysLog options allow you to send log information to a SysLog Server.

Save Settings Don't Save Settings

**SYSLOG SETTINGS**

Enable Logging To Syslog Server :

Syslog Server IP Address :

Save Settings Don't Save Settings

**Helpful Hints..**

- A System Logger (syslog) is a server that collects in one place the logs from different sources. If the LAN includes a syslog server, you can use this option to send the router's logs to that server.

[More...](#)

Click **Save Settings** to save your changes, or click **Don't Save Settings** to discard your changes.

# E-mail Settings

**E-mail Settings** allows you to send the system log files, router alert messages, and firmware update notifications to an e-mail address.

**Enable E-mail Notification:** When this option is enabled, router activity logs are e-mailed to a designated e-mail address.

**SMTP Sever IP and Port:** Enter the SMTP server IP address followed by a colon and the port number (e.g. 123.123.123.1:25).

**SMTP Username:** Enter the SMTP username.

**SMTP Password:** Enter the SMTP password.

**Send E-mail Alert to:** Enter the e-mail address where you would like the e-mail sent to.

**E-mail Subject:** Enter a subject for the e-mail.

**E-mail Log Now:** Click this button to access the e-mail log.

Click **Save Settings** to save your changes, or click **Don't Save Settings** to discard your changes.

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**D-Link**

DWR-113 // SETUP ADVANCED TOOLS STATUS SUPPORT

ADMIN  
TIME  
SYSLOG  
EMAIL SETTINGS  
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SCHEDULES  
LOGOUT

Internet Online  
Reboot

**EMAIL SETTINGS**

Send system log to a dedicated host or email to specific receipts

Save Settings Don't Save Settings

**EMAIL SETTINGS**

Enable Email Notification :

SMTP Server IP and Port :  :

SMTP Username :

SMTP Password :

Send E-mail alert to :

E-mail Subject :

Email Log Now

Save Settings Don't Save Settings

**Helpful Hints..**

• You may want to make the email settings similar to those of your email client program.

More...