

USER MANUAL

DWR-113

VERSION 1.00



D-Link[®]

WIRELESS

Preface

D-Link reserves the right to revise this publication and to make changes in the content hereof without obligation to notify any person or organization of such revisions or changes.

Trademarks

D-Link and the D-Link logo are trademarks or registered trademarks of D-Link Corporation or its subsidiaries in the United States or other countries. All other company or product names mentioned herein are trademarks or registered trademarks of their respective companies.

Copyright © 2010 by D-Link Systems, Inc.

All rights reserved. This publication may not be reproduced, in whole or in part, without prior expressed written permission from D-Link Systems, Inc.

Table of Contents

Preface	i	Static IP	19
Trademarks	i	Wireless Settings	20
Product Overview	1	Network Settings.....	22
Package Contents	1	Router Settings	22
System Requirements	1	DHCP Server Settings	23
Introduction.....	2	Virtual Server	24
Hardware Overview	3	Application Rules	25
Back Panel.....	3	QoS Engine	26
Front Panel and LEDs	4	MAC Address Filter.....	27
		URL Filter.....	28
		Outbound Filter	29
Installation	5	Inbound Filter.....	30
Connect to Your Network	5	SNMP	31
Wireless Installation Considerations.....	6	Routing	32
		Advanced Wireless	33
Configuration	7	Advanced Network.....	34
Web-based Configuration Utility	7	Admin.....	35
Setup Wizard	8	Time	36
Internet Connection Setup Wizard.....	8	Syslog	37
Manual Internet Connection Setup	12	E-mail Settings.....	38
Internet Connection	13	System.....	39
Internet Connection Type	13	Firmware.....	40
Dynamic IP (DHCP)	14	Dynamic DNS	41
PPPoE	15	System Check.....	42
PPTP	16	Schedules	43
L2TP	17	Device Information	44
3G	18		

Logs	45	Technical Specifications.....	71
Statistics	46		
Wireless	47		
Support	48		
Wireless Security.....	49		
What is WEP?	49		
Configure WEP	50		
What is WPA?	51		
Configure WPA-PSK	52		
Configure WPA (RADIUS).....	53		
Connect to a Wireless Network.....	54		
Using Windows Vista™	54		
Configure Wireless Security	55		
Using Windows® XP.....	57		
Configure WEP	58		
Configure WPA-PSK.....	60		
Troubleshooting	62		
Wireless Basics	64		
What is Wireless?	65		
Tips	67		
Wireless Modes	68		
Networking Basics	69		
Check your IP address	69		
Statically Assign an IP address	70		

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

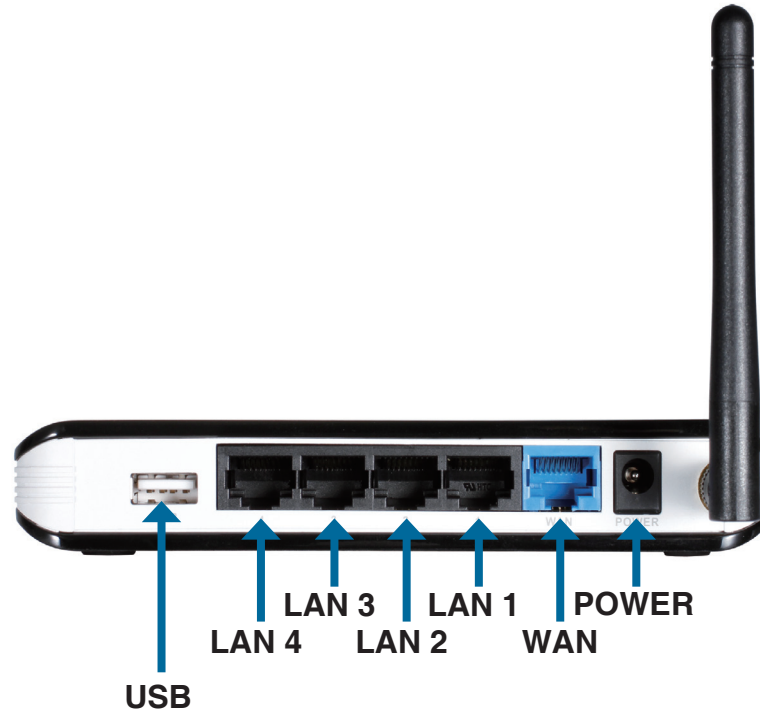
The D-Link 3G Wi-Fi Router allows users to access worldwide mobile broadband networks. Once connected, users can transfer data, stream media, and send SMS messages. Simply connect your USB modem and share your 3G Internet connection through a secure 802.11n wireless network or using the 10/100 Ethernet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

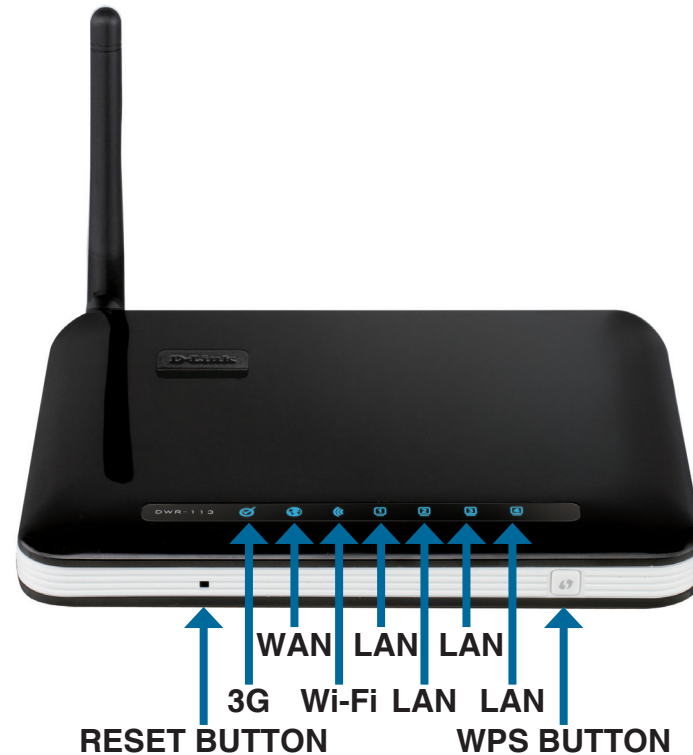
Back Panel



Port	Function
USB Port	Connects to a USB modem.
LAN Port	Connects to wired computers or devices.
WAN Port	Connects to the Internet.
Power Port	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:

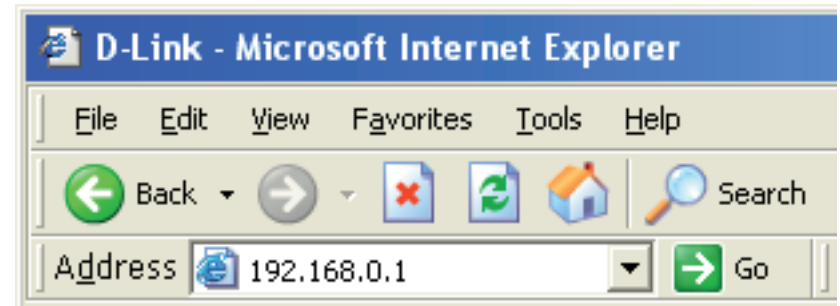
1. Minimize the number of walls and ceilings between the D-Link router and other network devices. Each wall or ceiling can reduce your adapter's range from 3 to 90 feet (1 to 30 meters).
2. Be aware of the direct line between network devices. A wall that is 1.5 feet thick (0.5 meters), at a 45-degree 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

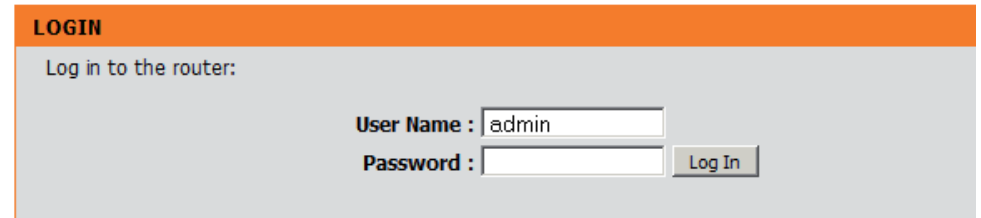
This section will show you how to configure your new D-Link mobile router using the web-based configuration utility.

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.



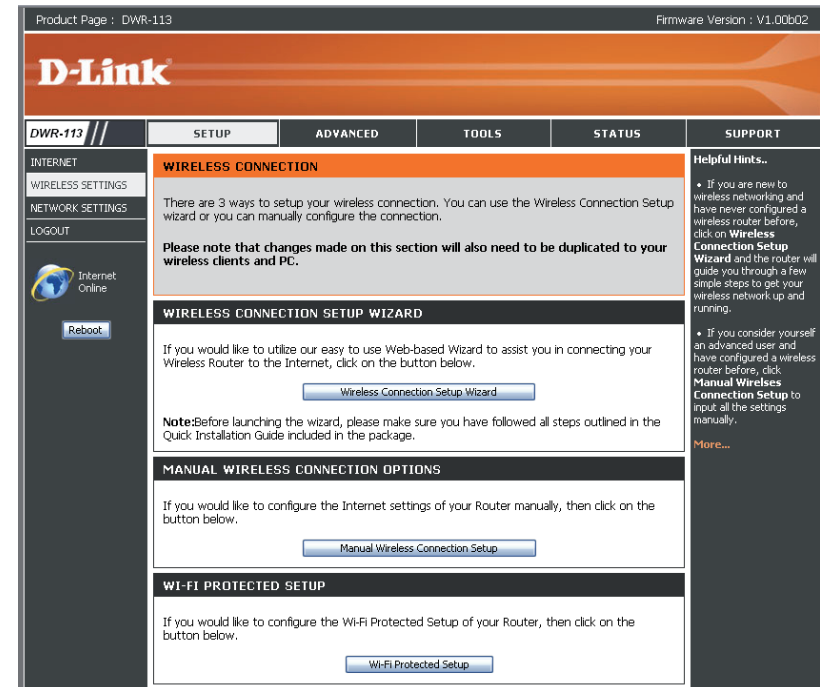
If you get a **Page Cannot be Displayed** error, please refer to the **Troubleshooting** section for assistance.

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.

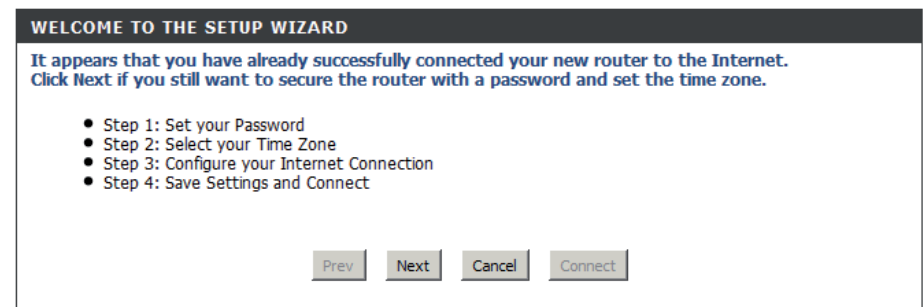
If you want to enter your settings without running the wizard, click **Manual Internet Connection Setup** and skip to page 13.



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.



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.

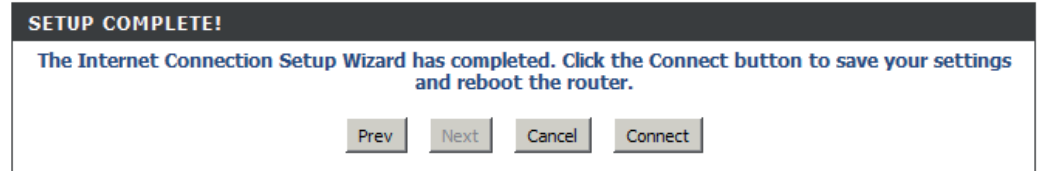
Username / Password Connection (PPPoE): Choose this option if your Internet connection requires a username and password to connect. Most DSL modems use this style of connection. See page 17 for information about how to configure this type of connection.

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

D-Link


DWR-113
SETUP
ADVANCED
TOOLS
STATUS
SUPPORT

INTERNET

WIRELESS SETTINGS

NETWORK SETTINGS

LOGOUT

 Internet Offline

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.

INTERNET CONNECTION TYPE

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

My Internet Connection is

Failover Internet Connection is

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 :

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.

The screenshot shows a configuration window titled "DYNAMIC IP (DHCP) INTERNET CONNECTION TYPE". Below the title is a blue instruction box: "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." The form contains the following fields and controls:

- Host Name:** Text input field containing "ROUTER".
- Primary DNS Server:** Text input field containing "0.0.0.0".
- Secondary DNS Server:** Text input field containing "0.0.0.0" with "(optional)" text to its right.
- MTU:** Text input field containing "1500" with "(bytes) MTU default = 1500" text to its right.
- MAC Address:** Text input field containing "00-21-9B-57-2A-9C". To its right are two buttons: "Save" and "Restore MAC".
- Auto-reconnect:** A checkbox labeled "Enable" which is currently unchecked.

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

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.

PPTP

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

Address Mode : Dynamic IP Static IP

PPTP IP Address :

PPTP Subnet Mask :

PPTP Gateway IP Address :

PPTP Server IP Address :

Username :

Password :

Verify Password :

Reconnect Mode : Always-on Connect-on-demand

Maximum Idle Time : seconds

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.

L2TP

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

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

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.

The screenshot shows a configuration window titled "STATIC IP ADDRESS INTERNET CONNECTION TYPE". Below the title is a subtitle: "Enter the static address information provided by your Internet Service Provider (ISP)". The form contains several input fields and buttons:

- IP Address :** Input field containing "0.0.0.0"
- Subnet Mask :** Input field containing "255.255.255.0"
- Default Gateway :** Input field containing "0.0.0.0"
- Primary DNS Server :** Input field containing "0.0.0.0"
- Secondary DNS Server :** Input field containing "0.0.0.0"
- MTU :** Input field containing "1500" with the text "(bytes) MTU default = 1500" to its right.
- MAC Address :** Input field containing "00-00-00-00-01-00". To its right are two buttons: "Save" and "Restore MAC".

At the bottom of the form 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.

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 shows the D-Link DWR-113 web interface. At the top, it displays 'Product Page : DWR-113' and 'Firmware Version : V1.00b02'. The D-Link logo is prominently featured. Below the logo, there are navigation tabs: 'DWR-113 //', 'SETUP', 'ADVANCED', 'TOOLS', 'STATUS', and 'SUPPORT'. The 'WIRELESS SETTINGS' menu item is selected in the left sidebar. The main content area is titled 'WIRELESS NETWORK' and contains the following information:

- 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.
- Security Notice:** To protect your privacy you can configure wireless security features. This device supports three wireless security modes including: WEP, WPA and WPA2. Buttons for 'Save Settings' and 'Don't Save Settings' are provided.
- WIRELESS NETWORK SETTINGS:**
 - Enable Wireless:**
 - Wireless Network Name:** [Text Field] (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

Buttons for 'Save Settings' and 'Don't Save Settings' are located at the bottom of the settings section. On the right side, there is a 'Helpful Hints..' section with the following text:

- 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

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.

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

The screenshot shows the D-Link web interface for the DWR-113 router. The top navigation bar includes 'D-Link' logo and tabs for 'DWR-113', 'SETUP', 'ADVANCED', 'TOOLS', 'STATUS', and 'SUPPORT'. The left sidebar contains links for 'INTERNET', 'WIRELESS SETTINGS', 'NETWORK SETTINGS', and 'LOGOUT', along with 'Internet Online' and 'Reboot' buttons. 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 this are 'Save Settings' and 'Don't Save Settings' buttons.
- ROUTER SETTINGS:** A section with three input fields: 'Router IP Address' (pre-filled with 192.168.0.1), 'Default Subnet Mask' (pre-filled with 255.255.255.0), and 'Local Domain Name' (empty).
- 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.

On the right side, there is a 'Helpful Hints...' section with a bullet point: 'If you already have a DHCP server on your network or are using static IP addresses on all the devices on your network, uncheck Enable DHCP Server to disable this feature.' 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.

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

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.

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

D-Link

DWR-113 // SETUP ADVANCED TOOLS STATUS SUPPORT

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.

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

D-Link

DWR-113 // SETUP ADVANCED TOOLS STATUS SUPPORT

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

Internet Online

Reboot

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.

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

D-Link

DWR-113 // SETUP ADVANCED TOOLS STATUS SUPPORT

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="checkbox"/>	<input type="checkbox"/>
2			<input type="checkbox"/>	<input type="checkbox"/>
3			<input type="checkbox"/>	<input type="checkbox"/>
4			<input type="checkbox"/>	<input type="checkbox"/>
5			<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.

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

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.

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

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.

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

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.

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

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

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.

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

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.

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

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

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

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.

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

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 prominent. Below the logo is a navigation menu with tabs for 'DWR-113', 'SETUP', 'ADVANCED', 'TOOLS', 'STATUS', and 'SUPPORT'. The 'ADMIN' menu is expanded on the left, listing options like TIME, SYSLOG, EMAIL SETTINGS, SYSTEM, FIRMWARE, DYNAMIC DNS, SYSTEM CHECK, SCHEDULES, LOGOUT, and Internet Online. The main content area is titled 'ADMINISTRATOR SETTINGS' and contains the following sections:

- ADMINISTRATOR SETTINGS:** A message: 'To help secure your network, we recommend that you should choose a new password.' Below this are 'Save Settings' and 'Don't Save Settings' buttons.
- ADMINISTRATOR (THE DEFAULT LOGIN NAME IS "admin"):** Fields for 'New Password' and 'Confirm Password'.
- REMOTE MANAGEMENT:** An 'Enable Remote Management' checkbox (checked), an 'IP Allowed to Access' text field, and a 'Port' field with a 'Manual' dropdown menu. Below these are 'Save Settings' and 'Don't Save Settings' buttons.

On the right side, there is a 'Helpful Hints..' section with the following text:

- 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.
- Choose a port to open for remote management.

A 'More...' link is located at the bottom of the hints section.

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.

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

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).

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

D-Link

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

ADMIN
TIME
SYSLOG
EMAIL SETTINGS
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.

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

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

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...