



# User Manual

## 4G/LTE Mobile Router

DWR-932

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# 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.

## Manual Revisions

Revision	Date	Description
1.0	August 09, 2016	• Initial release

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# Table of Contents

<b>Product Overview .....</b>	<b>1</b>	Connection Settings .....	17
Package Contents .....	1	Wi-Fi 2.4 GHz Access Name .....	18
System Requirements .....	2	Wi-Fi Status .....	18
Introduction .....	3	If you selected Basic Protection:.....	19
Hardware Overview .....	4	Admin Settings .....	20
Overview .....	4	Date & Time .....	20
Battery Cover Removed.....	5	Admin Settings .....	20
LED Indicators .....	6	Apply Settings.....	22
<b>Installation .....</b>	<b>7</b>	Internet Settings .....	23
Initial Setup.....	7	Network Status .....	23
Insert a microSD Card .....	8	Cellular Information .....	23
Wireless Installation Considerations.....	9	Network Status .....	23
<b>Configuration.....</b>	<b>10</b>	APN Settings.....	24
Initial Connection to the Router .....	10	Access Point Name (APN) Settings .....	24
Connect via USB.....	10	APN Mode.....	25
USB Tethering Driver Installation .....	10	Connect Mode Settings.....	26
Connect via Wi-Fi .....	11	Cellular Settings .....	26
Web-based Configuration .....	13	SIM Card PIN Lock Settings .....	27
Configuration Utility .....	13	SIM.....	27
Navigation.....	14	My Operator (PLMN) .....	28
Quick Access.....	15	Operator Mode (PLMN) .....	28
Network Setup.....	16	Available Operators .....	29
Setup Wizard .....	16	Router LAN Settings .....	30
APN For LTE/3G .....	17	LAN Setting .....	30
If you selected Basic Protection:.....	17	To DHCP Service Setting .....	30
		DHCP Service.....	31

Wi-Fi Settings .....	32
Wi-Fi Status .....	32
General Information .....	32
Wi-Fi Status.....	32
Wi-Fi Control.....	33
Wi-Fi 2.4 GHz.....	33
Wi-Fi WPS .....	34
Wi-Fi Clients .....	35
Wi-Fi 2.4 GHz Clients List.....	35
Wi-Fi Security Settings .....	36
Wi-Fi 2.4 GHz SSID .....	36
If you selected Advanced Protection:.....	36
If you selected Basic Protection:.....	37
MAC Filter .....	38
MAC Filter Settings.....	38
Application Settings.....	39
Short Messages .....	39
DHCP Settings.....	42
USSD.....	43
Firewall Settings.....	44
Firewall Settings .....	44
IP Filter .....	46
Add IP Filter.....	47
Port Forwarding .....	48
Add Port Forwarding .....	49
System .....	50
System Information .....	50
About DWR-932.....	50
Admin Settings.....	51

Account .....	51
Language.....	52
Date & Time.....	53
Settings Profile.....	55
Import .....	55
Export Profiles .....	56
Export.....	56
Reset and Reboot.....	57
Reset and Reboot.....	57
Firmware Upgrade.....	58
Upgrade My router.....	58
Network Statistics.....	59
Statistics .....	59
Advanced Options.....	60
Power Saving .....	61
Help .....	62
General Mobile Router FAQs.....	62

## **Connecting to a Wireless Network ..... 63**

Using Windows 10 .....	63
932.....	63
932.....	64
932.....	64
Using Windows 8 .....	65
Using Windows 7 .....	67
Configuring Wireless Security .....	69

## **Troubleshooting ..... 72**

## **Networking Basics ..... 74**

Check your IP address .....74

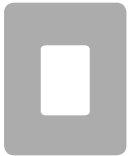
Statically Assign an IP address .....75

**Technical Specifications .....76**

**Regulatory Information .....77**

# Product Overview

## Package Contents



D-Link DWR-932 4G/LTE Mobile Router



USB Cable



Power Adapter

If any of the above items are missing from your package, please contact your reseller.

# System Requirements

<b>Network Requirements</b>	<ul style="list-style-type: none"><li>• A compatible (U)SIM card with mobile data service<sup>1</sup></li></ul>
<b>Web-based Configuration Utility Requirements</b>	<p><b>Computer with the following:</b></p> <ul style="list-style-type: none"><li>• Windows®, Macintosh, or Linux-based operating system</li><li>• An installed Ethernet adapter</li></ul> <p><b>Browser Requirements:</b></p> <ul style="list-style-type: none"><li>• Internet Explorer 9 or higher</li><li>• Firefox 12 or higher</li><li>• Safari 4 or higher</li><li>• Chrome 20 or higher</li></ul> <p><b>Windows® Users:</b> Make sure you have the latest version of Java installed. Visit <a href="http://www.java.com">www.java.com</a> to download the latest version.</p>

<sup>1</sup> Subject to services and service terms available from your carrier.

# Introduction

The D-Link DWR-932 4G/LTE Mobile Router lets you share a fast mobile Internet connection with multiple PCs and mobile devices letting you and your friends enjoy the advantages of a wireless network anywhere, anytime. It offers 4G LTE and 3G HSPA+ compatibility for fast downlink and uplink data rates, so you get fast upload and download speeds in areas without wired Internet.

## High-Speed Mobile Internet with LTE Connectivity

The DWR-932 4G/LTE Mobile Router gives you high-speed Internet wherever you are and lets you share it on the go. Using LTE technology, you can achieve download speeds of up to 150 Mbps and upload speeds of up to 50 Mbps<sup>1</sup>. The built-in LTE antenna provides a reliable connection to your mobile service provider, and a separate internal Wi-Fi antenna gives extended coverage to the computers and mobile devices connected to the DWR-932.

## Mobile Internet for All of Your Devices

With the DWR-932, you can get online with your notebook, smartphone, tablet, or any other wireless device using a single mobile connection. The DWR-932 provides high-speed Wireless N coverage, giving high-speed wireless access to everybody – whether you are with colleagues on a business trip, or travelling with friends and family.

## Built-in Software for Instant Access Anywhere

The DWR-932 is truly plug-and-play, with drivers already on the router, you can connect without needing to install anything. Open a browser, connect the router, and you can set up your network right from the web interface. Once the device is set up, you can simply power it on to start up your portable mobile network, meaning that you can share your mobile Internet connection without even needing a computer.

## Designed for True Portability

The DWR-932 4G/LTE Mobile Router is small and slim enough to carry around in your purse, bag, or pocket. The built-in 2000 mAh rechargeable Li-Ion battery can provide hours of mobile usage, so you can work online longer and it also can act as a power bank - capable of charging your devices when their battery is low.

<sup>1</sup> All references to speed are for comparison purposes only. Actual speeds will vary depending on a range of factors including mobile network coverage, signal strength, network activity, and environmental conditions.



# Hardware Overview

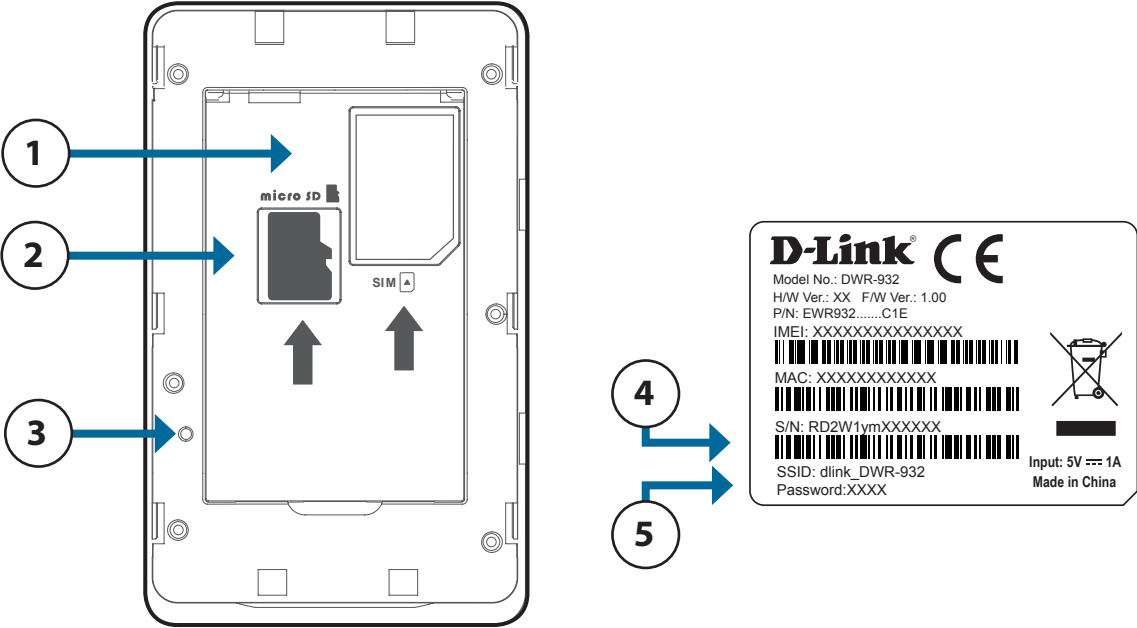
## Overview



1	Power Button	Press and hold this button for 6 seconds to power on/off the device.
2	WPS Button	Press this button to add new wireless devices quickly and easily using Wi-Fi Protected Setup (WPS).
3	Status LEDs	Please refer to <b>LED Indicators</b> on page 6.
4	Micro-USB Connector	Use the included cable to connect to a powered USB port to charge the device, or connect to a computer to access the configuration utility.

# Hardware Overview

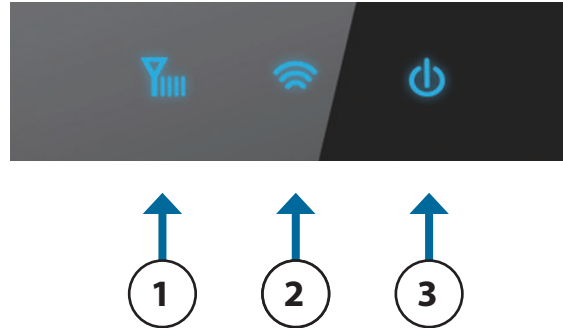
## Battery Cover Removed



1	<b>SIM Card Slot</b>	Insert a SIM card to access the Internet and your SIM card contacts list.
2	<b>microSD Card Slot</b>	Insert a microSD card for data storage.
3	<b>Reset Button</b>	Using a paper clip, press and hold this button for 6 seconds to reboot the unit. <b>Note:</b> Ensure that the battery is inserted and the unit is powered on when pressing the reset button.
4	<b>Wi-Fi Network (SSID)</b>	The network name (SSID) of the DWR-932 will be displayed here.
5	<b>Network (SSID) Password</b>	The network (SSID) security key of the DWR-932 will be displayed here.

# Hardware Overview

## LED Indicators



Number	Name	Color	Explanation
1	Signal LED	Blue	Solid: Registering with 4G network
			Blinking: Connected to 4G network
		Green	Solid: Registering with 3G network
			Blinking: Connected to 3G network
		Purple	Solid: Registering with 2G network
			Blinking: Connected to 2G network
		Red	No signal or SIM error
2	Wi-Fi LED	Blue	Solid: Wi-Fi Active
			Blinking: Transmitting data / WPS active
3	Battery LED	Blue	Battery level greater than 50%
		Amber	Charging
		Green	Battery level 10% - 50%
		Red	Battery Low
		Purple	SMS message received

# Installation

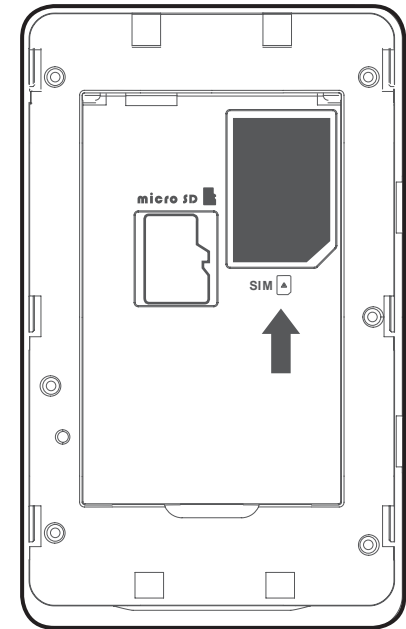
This section will guide you through the installation process.

## Initial Setup

1. Ensure that your DWR-932 4G/LTE Mobile Router is powered off.
2. Remove the cover on the underside of the router. Slide your SIM card into the cage provided, ensuring that the alignment is the same as indicated by the logo next to the carriage. The gold contacts on the card should be facing downwards.

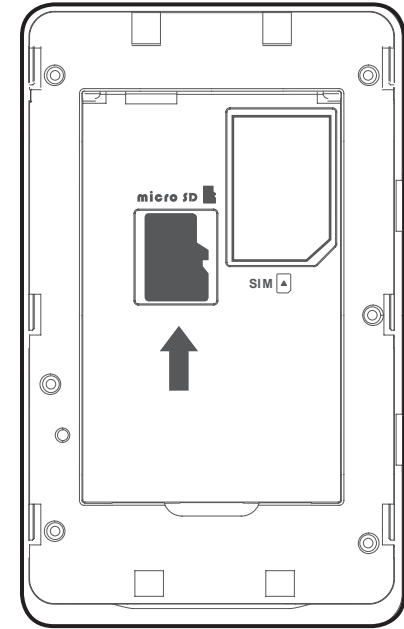
**Note:** Always unplug and turn off the router before installing or removing the SIM card. Never insert or remove the SIM card while the router is in use.

3. Press and hold the power button on the side of the router.
  - a. The Battery LED will light up green as the router performs its initialization processes.
  - b. After a few moments, the LED indicators will show the current status of the router's various functions. For more information please refer to **LED Indicators** on page 6.



# Insert a microSD Card

1. Ensure that your DWR-932 4G/LTE Mobile Router is powered off.
2. Remove the cover on the underside of the router.
3. Slide your microSD card into the cage provided, ensuring that the alignment is the same as indicated by the logo next to the carriage. The gold contacts on the card should be facing downwards.
4. Close the cover.



# Wireless Installation Considerations

The DWR-932 can be accessed using a wireless connection from anywhere within the operating range of its wireless network. Keep in mind that the quantity, thickness, and location of walls, ceilings, or other objects that the wireless signals must pass through may adversely affect wireless signals. 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 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) appears to be almost 3 feet (1 meter) thick at a 45-degree angle. At a 2-degree angle it appears 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. 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 a 2.4 GHz cordless phone, 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 when 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 configuration utility that can be accessed via your web-browser.

## Initial Connection to the Router

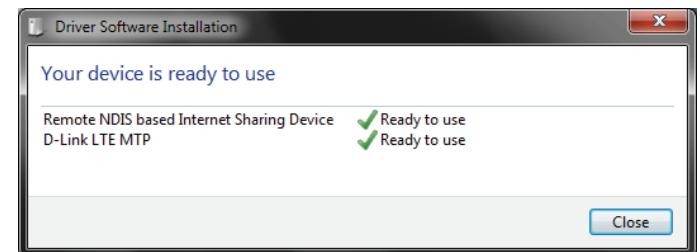
By default, the DWR-932 comes configured to work with most 4G SIM cards. Simply connect to it via Wi-Fi or use the included USB to access the SIM's Internet connection. If you wish to configure the router, you will need to establish a direct connection with the router in order to access the web-based configuration utility. For information about how to **Connect via Wi-Fi on page 11**. Once you have configured your router, you will be able to connect using the Wi-Fi settings that you specified in the configuration process. Please ensure that the router is powered on and has sufficient battery power before commencing the setup process.

## Connect via USB

To connect to the router via USB, plug the provided Micro-USB cable into the Micro-USB port on the side of the router, and plug the other end into an available USB port on your computer.

## USB Tethering Driver Installation

When you plug the DWR-932 into your computer, any necessary drivers will immediately install. Your version of Windows may prompt you to confirm the driver installation.



## Connect via Wi-Fi

**Note:** The following example uses Windows 7's built-in wireless connection utility. If you are using a different operating system, or a third party connection utility, the process may be different. Please refer to the documentation that came with your operating system or wireless client for further information on how to connect to a wireless network.

To connect to the router using Wi-Fi, open your operating system's wireless networking utility and scan for available networks to connect to. By default, the network name (SSID) of the DWR-932 will be in the format **dlink\_DWR-932\_xxxx**, where "xxxx" represents the last four character's of the DWR-932's MAC address. The default SSID and password can also be found on the product label situated under the battery. For more information on where to find this label refer to **Hardware Overview** on page 4.



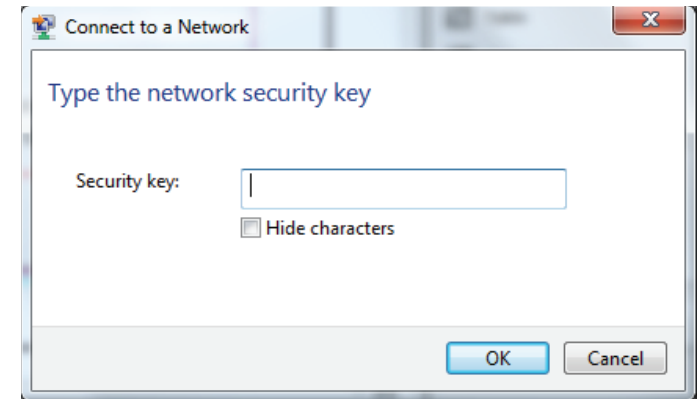
Once you have located your DWR-932's wireless network, connect to it.





You will then be prompted to enter the network security key for your router. Enter the security key in the box provided and click **OK**. Your wireless connection utility will confirm that the connection is successful, and you can move to the next step to continue to the configuration process.

You can also set up a connection using the Windows built-in WPS feature. Please see **Connecting to a Wireless Network** on page 63.



# Web-based Configuration

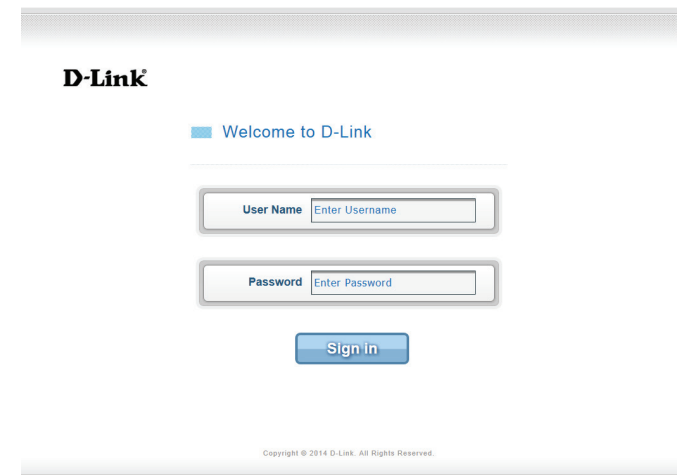
To access the configuration utility, open a web browser (such as Internet Explorer) and enter the IP address of the router, which is **192.168.0.1** by default in the address bar.



## Configuration Utility

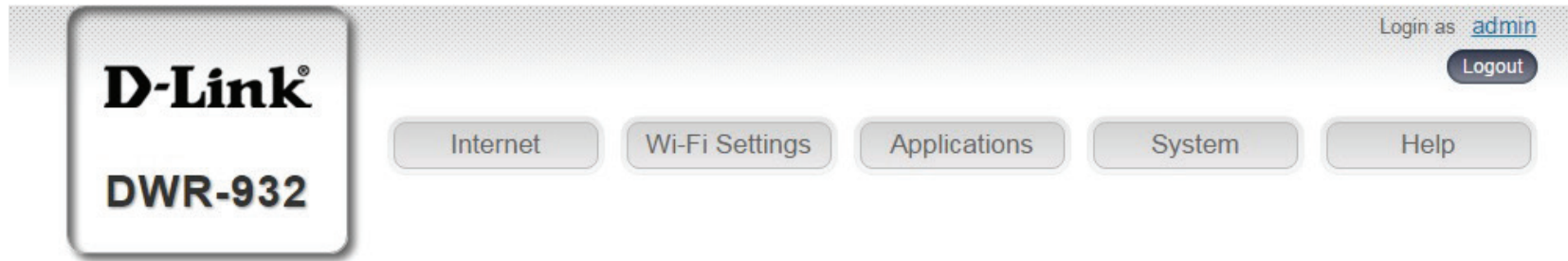
Once you have reached the configuration utility through your web browser, you will need to log in. Enter **admin** as the username, and then enter the password. By default, the password is blank.

Click **Sign in** to continue.

A screenshot of the D-Link configuration utility login page. At the top left is the "D-Link" logo. Below it is a "Welcome to D-Link" message. The main area contains two input fields: "User Name" with a placeholder "Enter Username" and "Password" with a placeholder "Enter Password". Below these fields is a blue "Sign in" button. At the bottom, there is a small copyright notice: "Copyright © 2014 D-Link. All Rights Reserved."

# Navigation

On the homepage of the interface, you will find a menu bar at the top of the page which includes tabs for easy navigation, and a summary bar in the upper right corner with a quick view of essential information.



**Internet** The **Internet** tab allows you to configure your Internet settings.

**Wi-Fi Setting** The **Wi-Fi Setting** allows you to configure your Wi-Fi network, as well as add new devices using WPS.

**Applications** The **Applications** tab allows you to configure firewall and security settings to protect your network from WAN-side intrusions.

**System** The **System** tab allows you to view system information and alter your login password.

**Help** From the **Help** tab, you can access a general mobile router FAQ.

# Quick Access

A quick access page will be displayed on the initial homepage for the DWR-932. The headings below link through to windows where you can alter settings in more detail.

**Internet** This area displays your Internet provider, the type of Internet service you are using, the signal strength and your current data usage.

**Connection Mode** This area displays the length of connection time and allows you to change between **Always Connect** and **Manual Connect**.

**Wi-Fi** The Wi-Fi section displays the number of devices currently connected to the router.

**Messaging** This area displays the number of SMS messages in your inbox and your draft messages.

**Power Saving** This area displays whether power saving features have been selected, such as sleep mode.



# Network Setup Setup Wizard

The **Wizard** page will guide you through the steps required to configure the basic settings of your router such as the IP address, network name (SSID), and password. Click on the **Setup Wizard** button to begin the quick setup wizard.



# Connection Settings

In this section you can configure your connection settings. Depending on your mobile service provider, you may have to input additional settings before use. If so, please contact your service provider for this information.

## APN For LTE/3G If you selected Basic Protection:

**APN Selection Mode** Choose to either automatically or manually select an APN.

**Allow Data Roaming** Select this if you want to allow data roaming.

**APN** Enter your service provider's APN.

**User Name and Password (optional)** Enter the username and password provided by your service provider.

## If you choose to manually select your APN.

**Auto (PAP & CHAP)** Both PAP and CHAP combined. Select this if your service provider uses this protocol.

**PAP** Password Authentication Protocol. Select this if your service provider uses this protocol.

**CHAP** Challenge Handshake Authentication Protocol. Select this if your service provider uses this protocol.

Click **Next** to move to the next section.

# Wi-Fi Status

In this section you have the option of changing your Wi-Fi access name and password as well as security features, keeping your network safe from unwanted intruders.

## Wi-Fi 2.4 GHz Access Name

**Access Name Wi-Fi 2.4 GHz** The name of your wireless access point.

**Encryption Mode** By default encryption mode is set to Advanced Protection. You may change this to Basic Protection or No Protection but it is not recommended.

**WPA Mode** **Auto (WPA or WPA2)** - The router will automatically determine the version of WPA to be used based on the client that is connecting to it.  
**WPA2** - Clients will only be able to associate with the router using the WPA2 standard. Clients which do not support WPA2 will not be able to associate with the router.

**Cipher Mode** **AES** - A newer cipher used by the WPA2 standard. Use of this cipher type is required in order to achieve 802.11 speeds.

**AES/TKIP** - TKIP is an encryption method commonly used by older devices. Select this option for greater compatibility with old and new devices.

**Pre-Shared Key** The pre-shared key is the password which clients will require in order to connect to your network. Enter a password of between 8 and 63 characters in length.

Click **Next** to move to the next section.

If you selected Basic Protection:

**Authentication Type:** Shared - The encryption key is used for authentication as well as to encrypt data packets.

**WEP Passphrase:** Enter your passphrase to be used when connecting to the router.

**Key 1-4:** You can predetermine up to 4 WEP keys. Select the WEP key you wish to use by clicking on the radio buttons next to the keys. Select whether you wish to use **HEX** or **ASCII** characters in your key using the drop-down menu. Enter the desired key in the field provided.

Click **Next** to move to the next section.

**Setup Wizard**

1 Connection Settings    2 **Wi-Fi Settings**    3 Admin Settings    4 Apply Settings

Encryption Mode: Basic Protection

Authentication Type: Shared

WEP Passphrase:  Generate

Default Key	Key Type	Key No	Generated Keys
<input checked="" type="radio"/>	128	Key 1	<input type="text"/>
<input type="radio"/>	64	Key 2	<input type="text"/>
<input type="radio"/>	128	Key 3	<input type="text"/>
<input type="radio"/>	128	Key 4	<input type="text"/>

Previous Next



# Admin Settings

In this section, you can adjust your admin username and password for logging in via your web browser to access the router settings, as well as the time and date.

## Admin Settings

**Username** Enter your desired username here.

**Password** Enter your desired password here.

**Language** Select your desired language here.

## Date & Time

**SNTP** Toggle the switch to **Enable** or **Disable** to automatically synchronize the time with a Simple Network Time Protocol (SNTP) server.

**Time Zone** Select your current Coordinated Universal Time zone (UTC).

**Date & Time** Adjust the dials on the screen with your mouse cursor or pointer to set the time and date.

**Selected Date and Time** Displays your new, dial adjusted time.

Click **Next** to move to the next section.

**Setup Wizard**

1 Connection Settings   2 Wi-Fi Status   **3 Admin Settings**   4 Apply Settings

**Admin Settings**

Username:

Password:

Confirm Password:  ☐ Show Characters

Language:

**Date & Time**

SNTP: ☐

Time Zone:

Date & Time: MM DD YYYY HH MM AM/PM

04 03 2014 06 34 PM

Selected Date and Time: 04/03/2014 06:34 PM

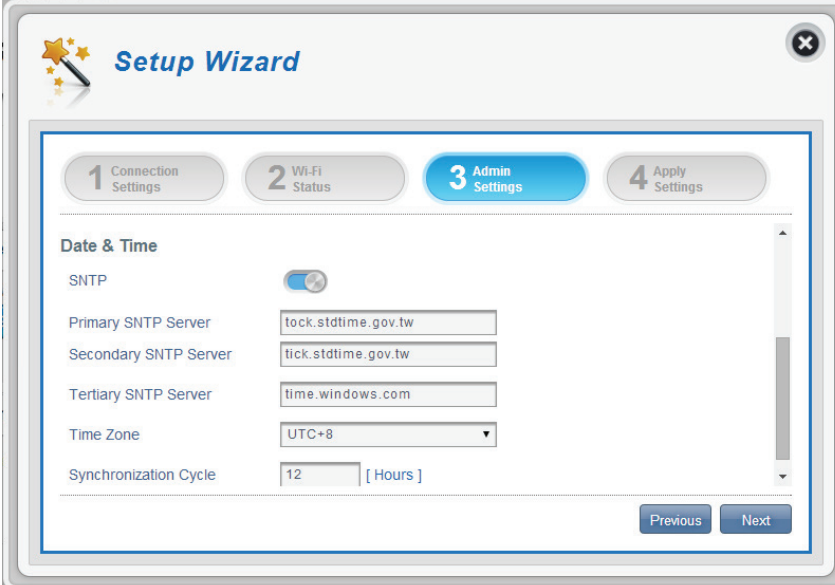
**If you enabled automatically synchronize the time with an SNTP server:**

**Primary, Secondary, and Tertiary SNTP Server** Enter an SNTP server address which will be used to synchronize the router's system time and date.

**Time Zone** Enter the time zone where you are currently using the DWR-932 to accurately set the time.

**Synchronization Cycle** You can specify in hours how frequently the DWR-932 will update the time from an SNTP server.

Click **Next** to move to the next section.

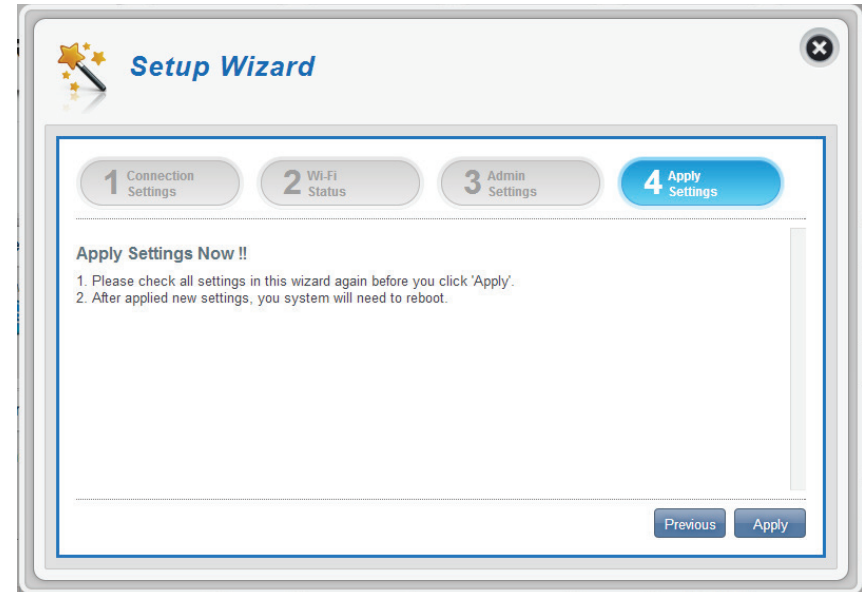


The screenshot shows the 'Setup Wizard' window with the 'Admin Settings' tab selected. The 'Date & Time' section is expanded, showing the 'SNTP' toggle switch turned on. Below it, there are three text input fields for 'Primary SNTP Server' (tock.stdtime.gov.tw), 'Secondary SNTP Server' (tick.stdtime.gov.tw), and 'Tertiary SNTP Server' (time.windows.com). A dropdown menu for 'Time Zone' is set to 'UTC+8'. A 'Synchronization Cycle' field is set to '12' with a unit of '[ Hours ]'. At the bottom right, there are 'Previous' and 'Next' buttons.

## Apply Settings

Check all settings in the wizard and click **Apply**. After applying the new settings you will need to reboot your system.

Click **Apply** to save changes.



# Internet Settings

## Network Status

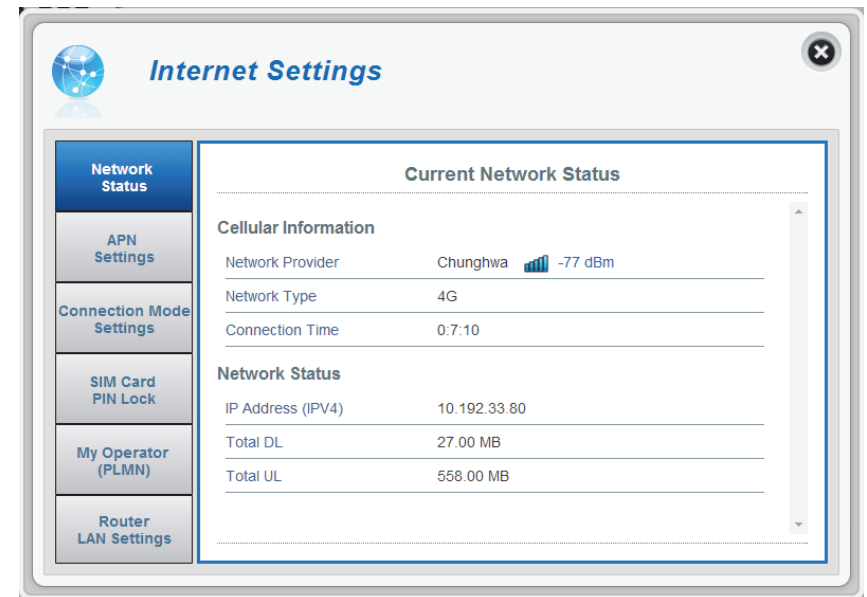
In this section you can check your current network status as well as your service provider and data usage.

### Cellular Information

- Network Provider** Displays your current network provider and signal strength.
- Network Type** Displays the type of network you are connected to, such as 2G, 3G or 4G.
- Connection Time** The length of time you have been connected to the network.

### Network Status

- IP Address (IPv4)** Displays your current IP address.
- Total DL** Displays your average download speed.
- Total UL** Displays your average upload speed.



# APN Settings

In this section you can configure your APN settings. Depending on your mobile service provider, you may have to input optional settings before use, if so, you may need to contact your service provider regarding these details.

## Access Point Name (APN) Settings

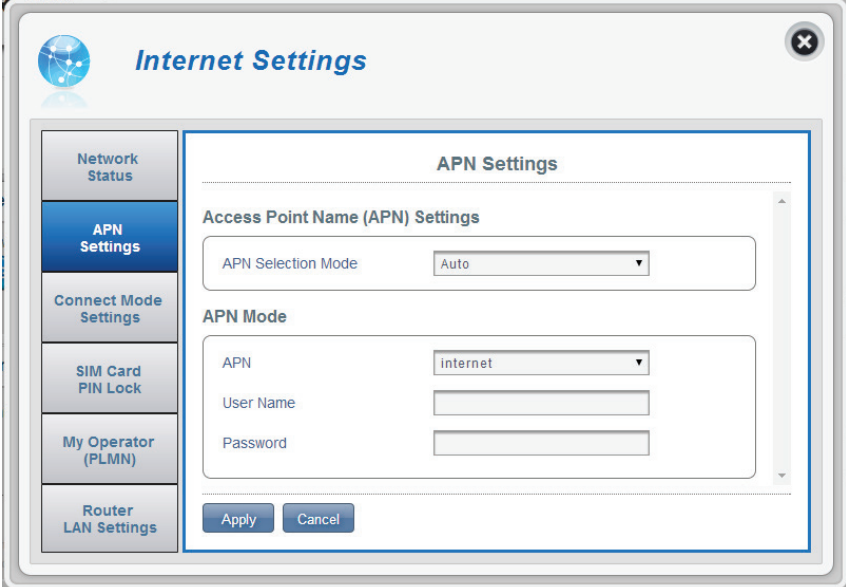
### APN Selection Mode **Auto Connect**

Check this option if you want the DWR-932 to automatically connect to a mobile network after it has been powered on, or has been disconnected from its current mobile network.

### Manual

Enter the Access Point Name (APN) for the connection. If you do not know this information, please contact your service provider.

Click **Apply** to save changes.



The screenshot shows the 'Internet Settings' window with a sidebar on the left containing 'Network Status', 'APN Settings' (highlighted), 'Connect Mode Settings', 'SIM Card PIN Lock', 'My Operator (PLMN)', and 'Router LAN Settings'. The main area is titled 'APN Settings' and contains two sections: 'Access Point Name (APN) Settings' with an 'APN Selection Mode' dropdown set to 'Auto', and 'APN Mode' with an 'APN' dropdown set to 'internet', and empty text boxes for 'User Name' and 'Password'. 'Apply' and 'Cancel' buttons are at the bottom.

**If you choose to manually select your APN:**

## APN Mode

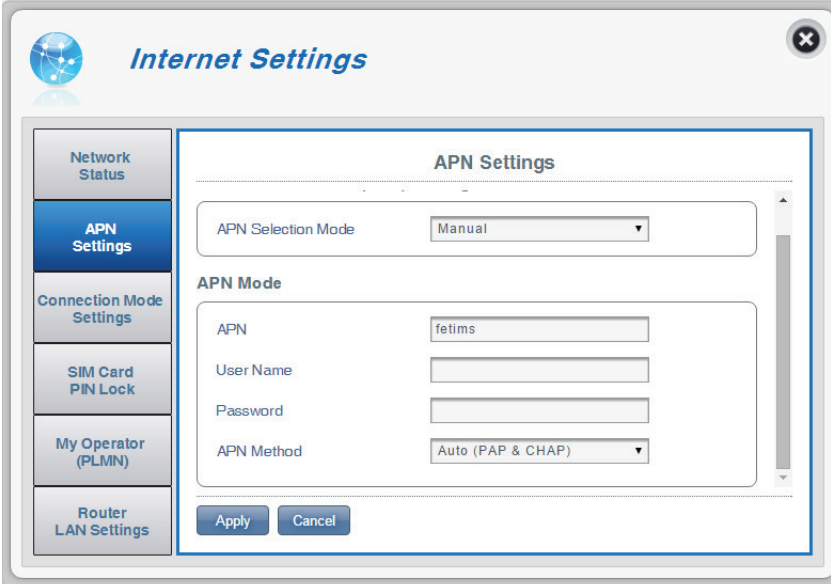
**APN** If you are already connected to a mobile network, your ISP will provide the necessary APN which you can select from the drop down list.

**User Name** Enter the username to be used for this connection.

**Password** Enter the password to be used for this connection.

**APN Method** Choose the authentication method that your ISP uses to connect to its mobile network. If you do not know this information, please contact your service provider. For more information refer to **Connection Settings** on page 17.

Click **Apply** to save changes.



The screenshot shows the 'Internet Settings' window with the 'APN Settings' tab selected. On the left is a sidebar with options: Network Status, APN Settings (selected), Connection Mode Settings, SIM Card PIN Lock, My Operator (PLMN), and Router LAN Settings. The main area contains the following settings:

- APN Selection Mode:** A dropdown menu set to 'Manual'.
- APN Mode:** A section containing:
  - APN:** A text field containing 'fetims'.
  - User Name:** An empty text field.
  - Password:** An empty text field.
  - APN Method:** A dropdown menu set to 'Auto (PAP & CHAP)'.
- Buttons:** 'Apply' and 'Cancel' buttons at the bottom.

# Connect Mode Settings

This section allows you to choose your desired cellular network, allow data roaming and control your connection mode.

## Cellular Settings

**Preferred Cellular** **Auto** - automatically connects to a mobile network.

**2G mode** - only connects to a 2G mobile network.

**3G mode** - only connects to a 3G mobile network.

**4G mode** - only connects to a 4G mobile network.

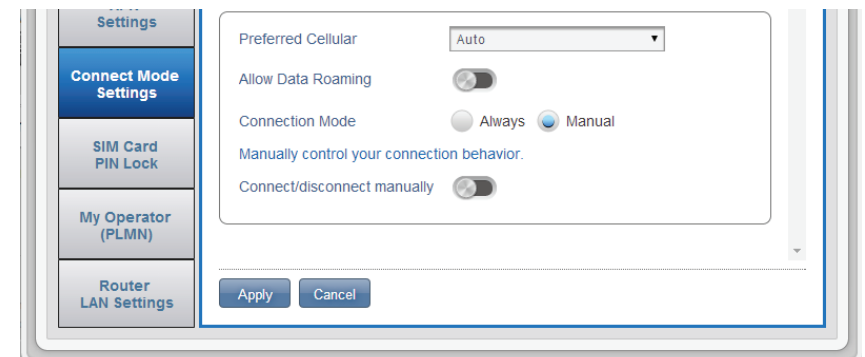
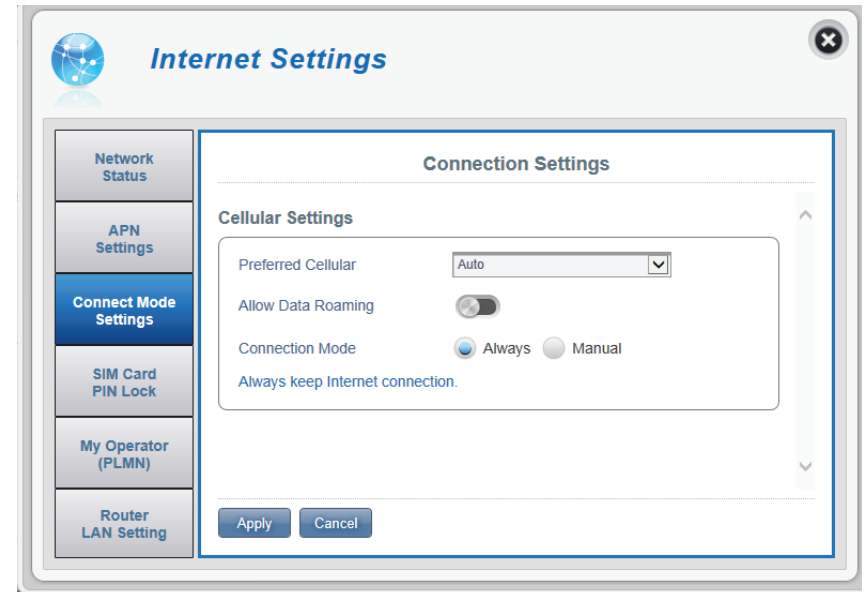
**Allow Data Roaming** Select this if you want to allow data roaming. Data roaming lets you use an Internet connection internationally outside of your Internet providers coverage. Enabling this feature can lead to very high data expenses.

**Connection Mode** Choose between **Always** or **Manual** for connecting to the Internet.

## If you selected Manual Connection Mode:

**Connect/disconnect manually** Toggle the switch to enable/disable your Internet.

Click **Apply** to save changes.



## SIM Card PIN Lock Settings

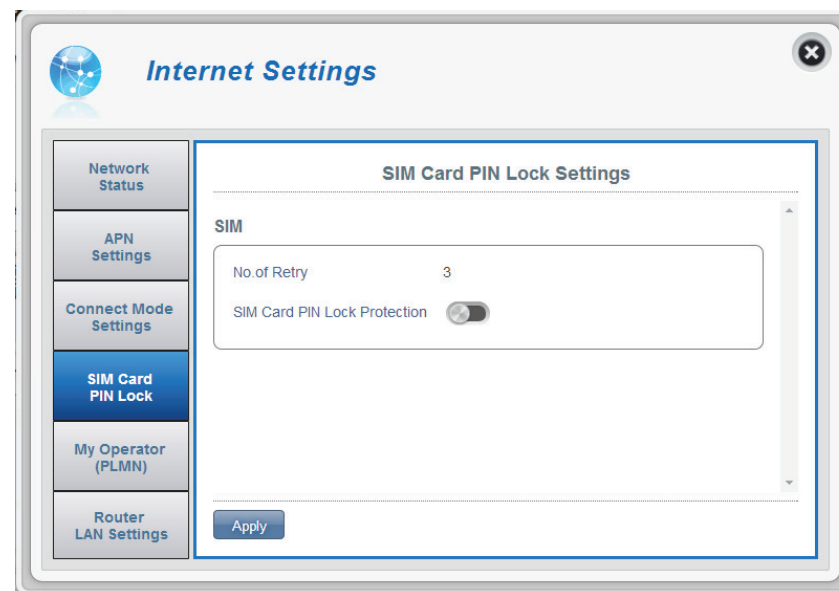
This section allows you to lock the SIM card currently inserted into the DWR-932.

### SIM

**No. of Retry** The number of retries left to access your SIM.

**Note:** If you exceed the number of retries, you will be locked from using your SIM.

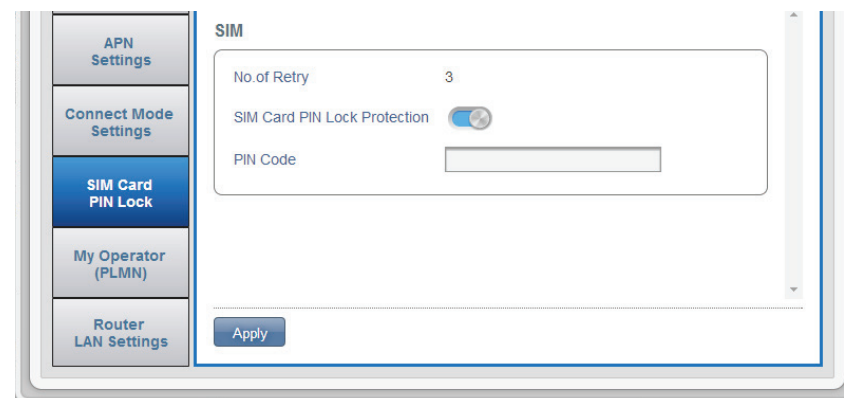
**SIM Card PIN Lock Protection** Move the toggle to enable **SIM card PIN Lock Protection**. In order to use this function you need to know the PIN of the SIM chip.



**If you enabled Manual Connection Mode:**

**PIN Code** Type your SIM's pin code here.

Click **Apply** to save changes.





## My Operator (PLMN)

This page allows you to view available Public Land Mobile Networks (PLMN). This page can also be used to select a preferred network when you are roaming outside of your home network.

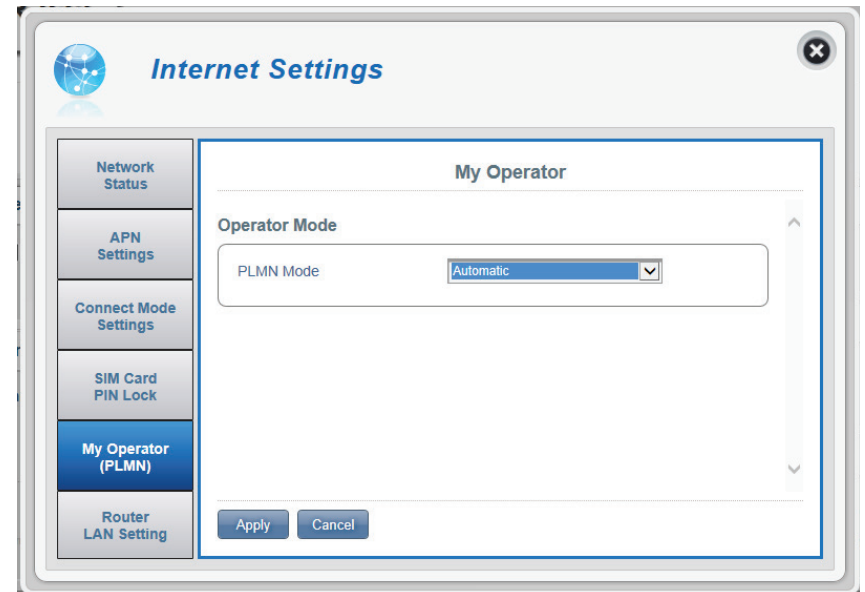
### Operator Mode (PLMN)

**PLMN Mode** Displays the current mode the DWR-932 is operating in.

Select **Automatic** to allow the DWR-932 to automatically connect to the first available network when roaming.

Select **Manual** to choose your preferred roaming network from the list below.

Click **Apply** to save changes.



**If you selected Manual Mode:**

Click on your preferred network to select it, or type in the **Search** box to find your desired network.

**Note:** You will need to manually disconnect from the current mobile data service before selecting a network using PLMN.

**Available Operators**

**ID** ID number assigned to each available PLMN.

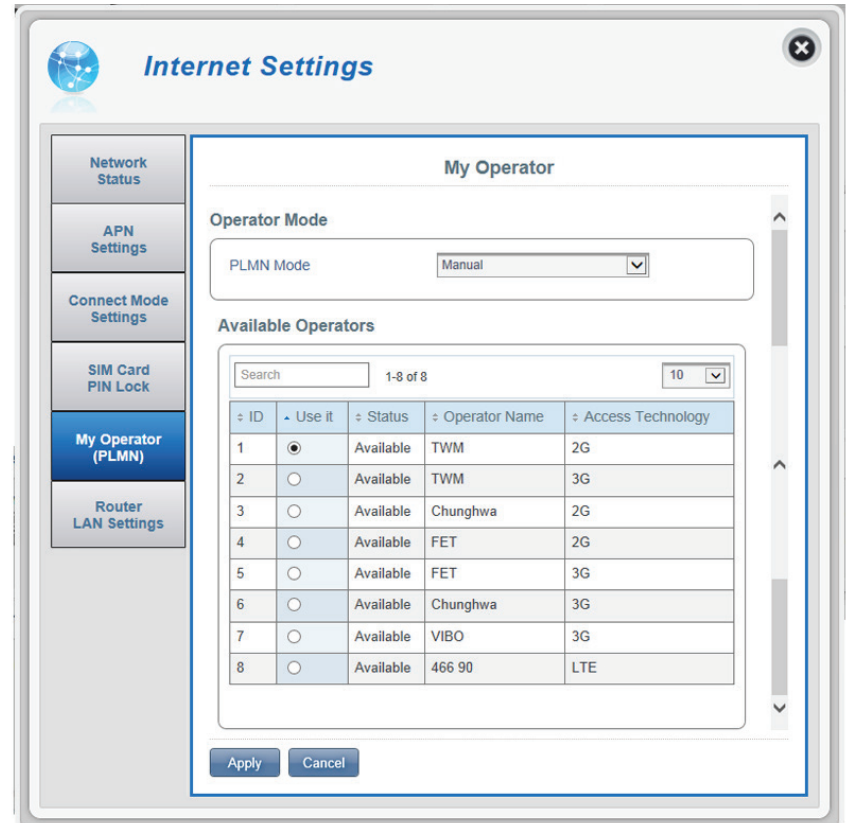
**Use it** Check the box to select your desired network.

**Status** The network's current status.

**Operator Name** The name of the cellular network.

**Access Technology** Allows you to see what the cellular network's access technology is.

Click **Apply** to save changes.



**Internet Settings**

**My Operator**

Operator Mode

PLMN Mode Manual

Available Operators

Search 1-8 of 8 10

ID	Use it	Status	Operator Name	Access Technology
1	<input checked="" type="radio"/>	Available	TWM	2G
2	<input type="radio"/>	Available	TWM	3G
3	<input type="radio"/>	Available	Chunghwa	2G
4	<input type="radio"/>	Available	FET	2G
5	<input type="radio"/>	Available	FET	3G
6	<input type="radio"/>	Available	Chunghwa	3G
7	<input type="radio"/>	Available	VIBO	3G
8	<input type="radio"/>	Available	466 90	LTE

Apply Cancel

# Router LAN Settings

This section lets you set up network settings for the device.

## LAN Setting

**LAN Setting** Displays your current LAN status.

## To DHCP Service Setting

The DWR-932 has a built-in DHCP server which can assign IP addresses to connected clients. This section shows your current settings and allows you to configure the IP address for the DWR-932 as well as configure its DHCP settings.

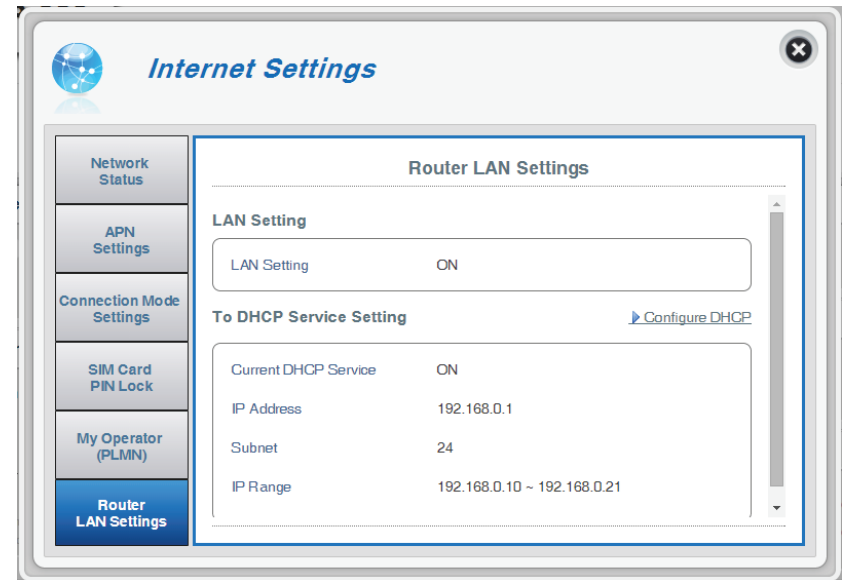
**Configure DHCP** This button takes you through to DHCP Settings where you can configure your IP address and IP range.

**Current DHCP Service** Shows if you are using the DHCP Service.

**IP Address** Router's current IP address.

**Subnet** The subnet number that your router is using.

**IP Range** The range of numbers that the DHCP server will give out.



## If you selected Configure DHCP:

### DHCP Service

Here you can configure the IP address for the DWR-932, as well as the range of IP numbers that the DHCP will give out.

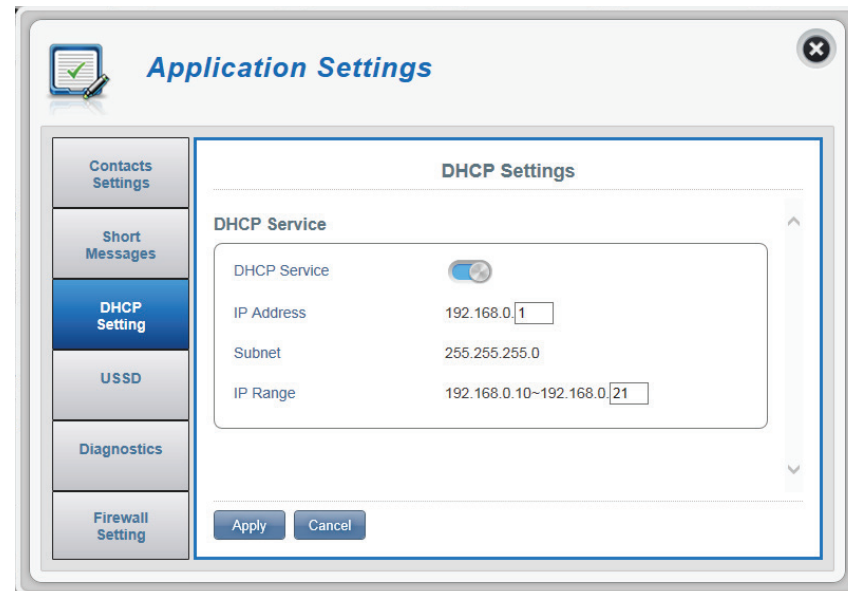
**DHCP Service** Enable/disable the DHCP Server.

**IP Address** Click on the last digit to alter your router's current IP address.

**Subnet** The subnet number that your router is currently using.

**IP Range** Click on the last two digits to alter the range of numbers that the DHCP server will give out.

Click **Apply** to save changes.



# Wi-Fi Settings

## Wi-Fi Status

This page displays your current Wi-Fi status and Wi-Fi settings.

### General Information

**Wi-Fi WPS** Displays whether Wi-Fi Protected Setup (WPS) is enabled and the configuration method used.

**Wi-Fi 2.4 GHz** Displays whether Wi-Fi is enabled.

**Current Wi-Fi Clients** Displays the number of people connected to your Wi-Fi network.

### Wi-Fi Status

**SSID Name** Displays the name of your Wi-Fi network.

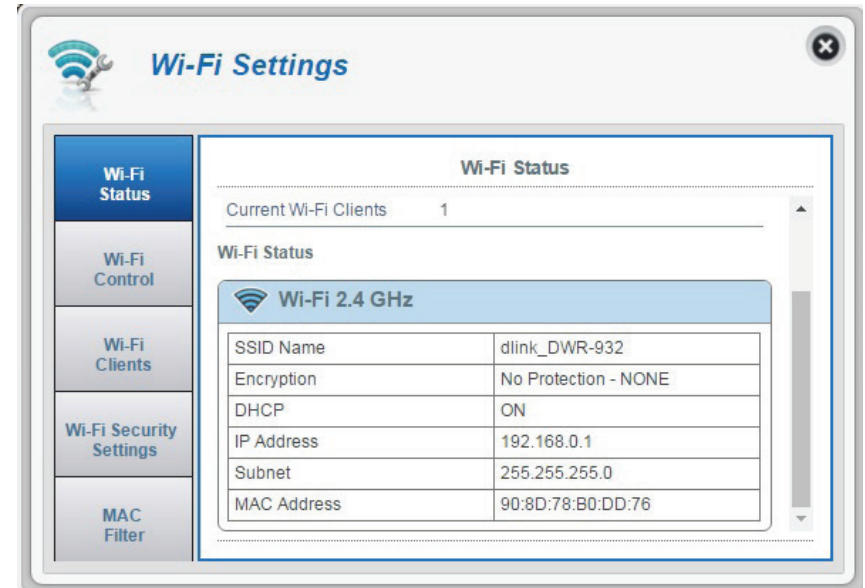
**Encryption** Displays your current Wi-Fi security encryption mode.

**DHCP** Displays whether you are using a DHCP server or not.

**IP Address** Your router's IP address.

**Subnet** Your router's subnet number.

**MAC Address** Your router's MAC address.



# Wi-Fi Control

## Wi-Fi 2.4 GHz

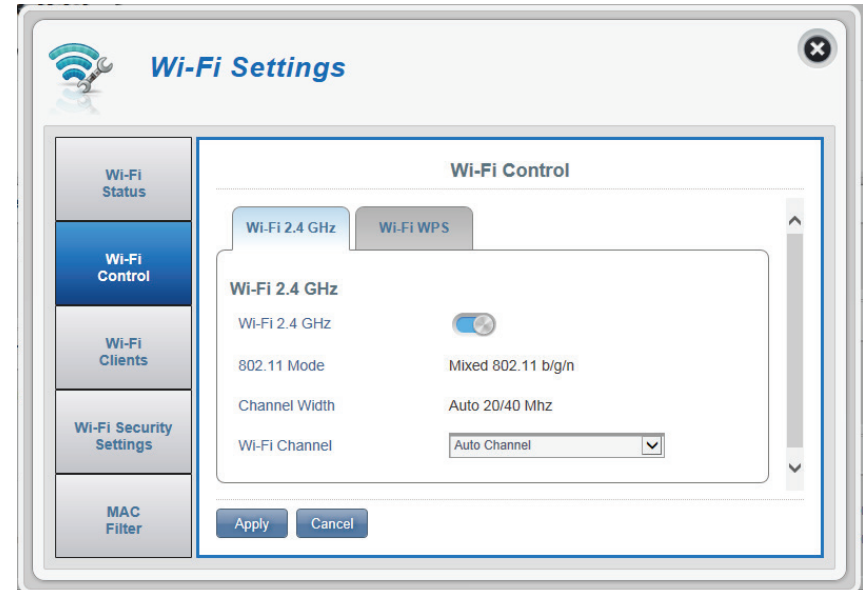
**Wi-Fi 2.4 GHz** Toggle the switch to enable/disable Wi-Fi functionality on your router.

**802.11 Mode** The type of Wi-Fi connection currently being accepted by the router.

**Channel Width** The current channel width being used by your router.

**Wi-Fi Channel** Choose the clearest channel to help optimize the performance and coverage of your wireless network. By default the channel is set to **Auto Channel**. This can be changed to fit the channel setting for an existing wireless network or to customize your wireless network.

Click **Apply** to save changes.



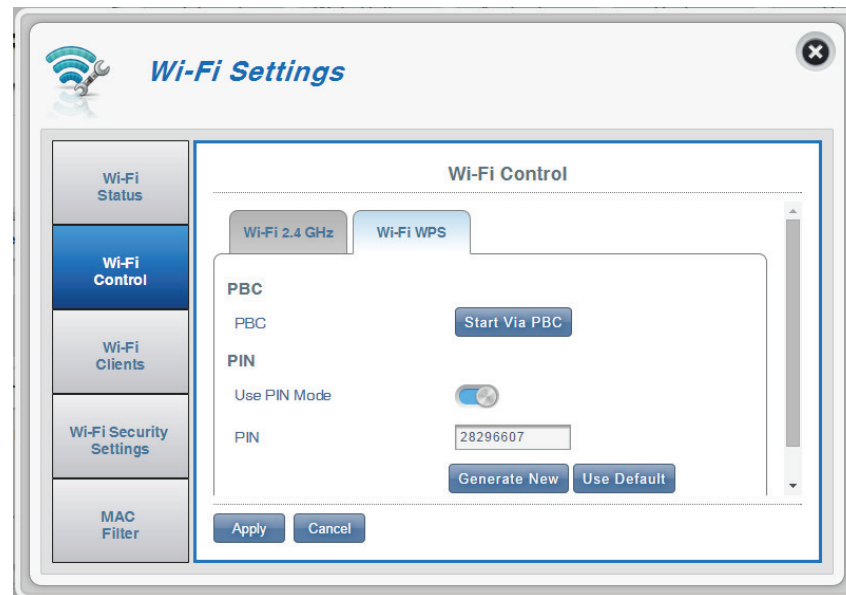
## Wi-Fi WPS

**PBC** PBC (Push Button Configuration) enables you to easily connect your devices to the DWR-932 by pushing a PBC button on both devices. Simultaneously click **Start Via PBC**, as well as your device's PBC button, to begin the Wi-Fi Protected Setup feature.

**Use PIN Mode** Move the toggle to enable PIN protection for use with the Wi-Fi Protected Setup feature.

**PIN** The PIN is a unique number that can be used to configure your router.

Click **Apply** to save changes.



## Wi-Fi Clients

This page shows your current client list and allows you to filter clients by host name, IP address and MAC address. This filtering option enables you to allow or deny access to specific wireless clients.

### Wi-Fi 2.4 GHz Clients List

**Host Name** A unique name for each wireless client that is connected to your router.

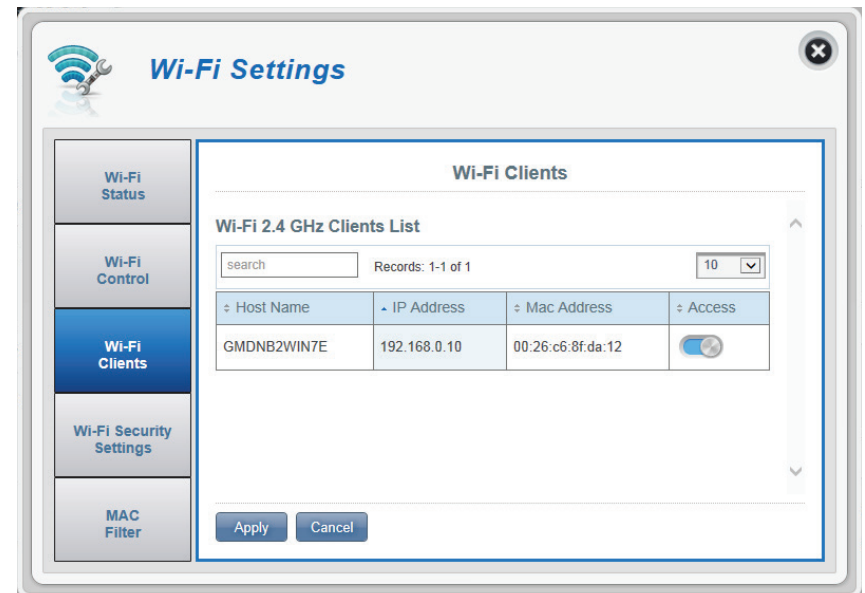
**IP address** The network address of the wireless client that is connected to your router.

**MAC address** The hardware address of the client's wireless adapter.

**Access** Toggle this switch to allow or deny access to specific clients.

**Note:** If you deny access to a Wi-Fi client you will see their MAC address in **MAC Filter** on page 38. You can re-allow access to the client there.

Click **Apply** to save changes.





# Wi-Fi Security Settings

In this page you can view your Wi-Fi security settings, here you can alter things like your SSID name, SSID visibility and access Wi-Fi security features.

## Wi-Fi 2.4 GHz SSID

**SSID For Wi-Fi 2.4 GHz** Displays the name of your Wi-Fi network. Click in the box to edit.

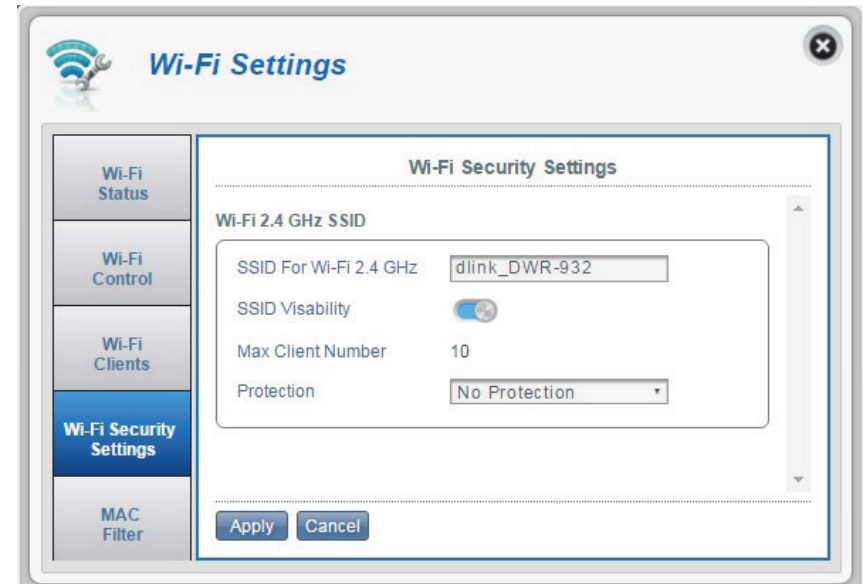
**SSID Visibility** Click the toggle to change your SSID visibility to clients.

**Max Client Number** The maximum amount of clients allowed on your network.

**Protection** By default advanced protection is selected. You may also select between basic protection or no protection.

### If you selected Advanced Protection:

**WPA Mode** **Auto (WPA or WPA2)** - The router will automatically determine the version of WPA to be used based on the client that is connecting to it.  
**WPA2** - Clients will only be able to associate with the router using the WPA2 standard. Clients which do not support WPA2 will not be able to associate with the router.



**Cipher Type** **AES** - A newer cipher used by the WPA2 standard. Use of this cipher type is required in order to achieve 802.11 speeds.

**AES/TKIP** - TKIP is an encryption method commonly used by older devices. Select this option for greater compatibility with old and new devices.

**Pre-Shared Key** The pre-shared key is the password which clients require in order to connect to your network. Enter a password of between 8 and 63 characters in length.

Click **Apply** to save changes.

### If you selected Basic Protection:

**Authentication Type:** Shared - The encryption key is used for authentication as well as to encrypt data packets.

**WEP Passphrase:** Enter your passphrase to be used when connecting to the router.

**Key 1-4:** You can predetermine up to 4 WEP keys. Select the WEP key you wish to use by clicking on the radio buttons next to the keys. Select whether you wish to use **HEX** or **ASCII** characters in your key using the drop-down menu. Enter the desired key in the field provided.

Click **Apply** to save the current settings.

**Wi-Fi Security Settings**

<b>Authentication Type</b>		Shared	
<b>WEP Passphrase</b>		<input type="text" value="hello"/>	<b>Generate</b>
Default Key	Key Type	Key No	Generated Keys
<input checked="" type="radio"/>		Key 1	<input type="text" value="5d41402abc"/>
<input type="radio"/>	64	Key 2	<input type="text" value="57d801cd29"/>
<input type="radio"/>	128	Key 3	<input type="text" value="3c0ccbf66413814102348dd95"/>
<input type="radio"/>	128	Key 4	<input type="text" value="70cabe61b044eebf8f4b05b9c"/>

# MAC Filter

This page allows you to set MAC filters (Media Access Control) which allow or deny LAN (Local Area Network) computers from accessing the network. A MAC address is a unique ID assigned by the manufacturer for devices that connect to a network. You can either manually add a MAC address or select the MAC address from the list of clients that are currently connected to the router.

## MAC Filter Settings

**MAC Filter** Toggle this switch to enable/disable the MAC filter.

**MAC Filter For Black List** Here is a list of clients' MAC addresses that have been denied access to your network.

**ID** ID number given to black listed clients by your router.

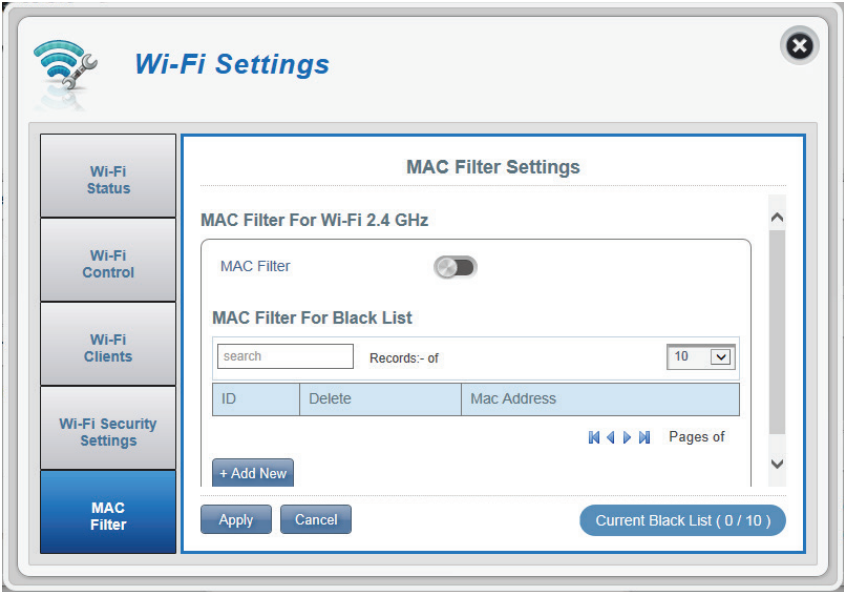
**Delete** Check this box to delete clients from the black list.

**MAC Address** Specify the MAC address of the computer to be filtered.

**Add New** Select the **Add New** button and manually enter the MAC address of the client that you wish to deny access to your network.

**Note:** You can view the current list of clients connected to your network and their MAC addresses in **Wi-Fi Clients** on page 35.

Click **Apply** to save changes.



# Application Settings

## Short Messages

On the Short Messages Settings page you can organize, send and receive Short Message Service (SMS) messages by selecting between a setup, inbox and drafts tab. These messages can either be saved to the DWR-932 4G/LTE Mobile Router directly or on the SIM card itself.

### Short Message Settings

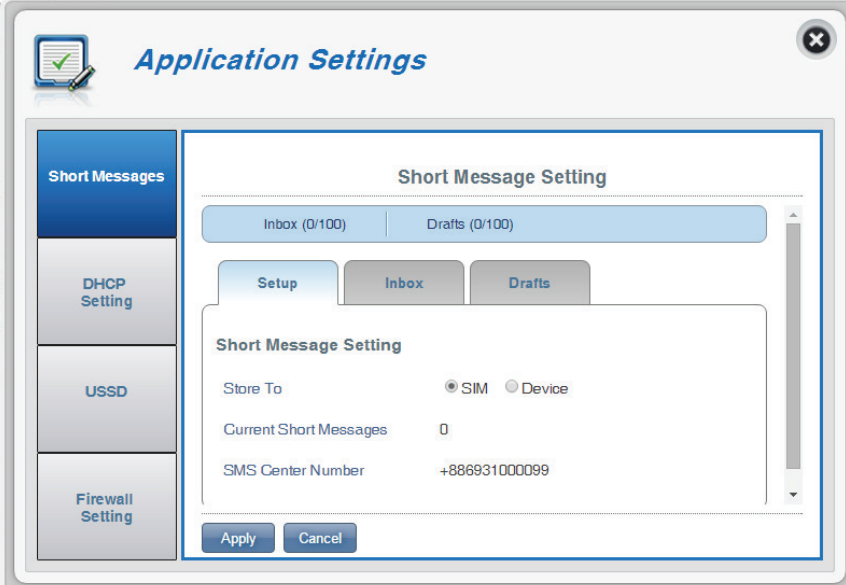
#### Setup

**Store To** Choose between storing contact numbers on your SIM card or the DWR-932 device.

**Current Short Messages** The current amount of messages received.

**SMS Center Number** Your SIM card's contact number.

Click **Apply** to save changes.



The screenshot shows the 'Application Settings' window with a sidebar on the left containing 'Short Messages', 'DHCP Setting', 'USSD', and 'Firewall Setting'. The main content area is titled 'Short Message Setting' and features tabs for 'Inbox (0/100)' and 'Drafts (0/100)'. Below these are sub-tabs for 'Setup', 'Inbox', and 'Drafts'. The 'Setup' sub-tab is active, displaying the 'Short Message Setting' form. This form includes a 'Store To' section with radio buttons for 'SIM' (selected) and 'Device'. It also shows 'Current Short Messages' as 0 and 'SMS Center Number' as +886931000099. At the bottom of the form are 'Apply' and 'Cancel' buttons.

## Inbox

**ID** A chronological number given to each message you receive.

**Delete** Check this box to select and delete a message in your inbox.

**From** The SMS sender's number.

**Time** The time the message was received.

**Content** The SMS message's content.

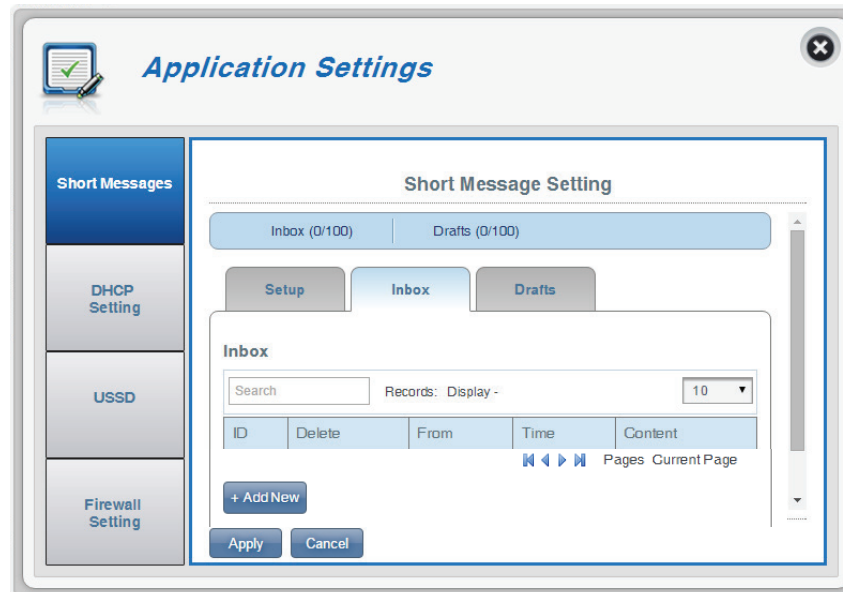
**Add New** Click **Add New** to send a new message.

Click **Apply** to save changes.

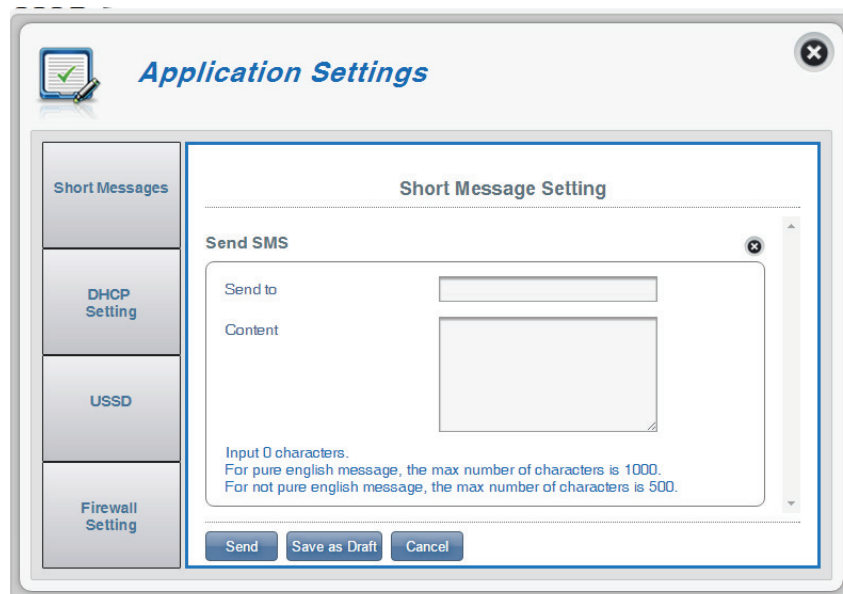
### If you clicked Add New:

**Send to** The number of the person you wish to send the message to.

**Content** Type your message content here.



The screenshot shows the 'Application Settings' window with the 'Short Message Setting' sub-window. The 'Inbox' tab is selected, showing a table of messages with columns: ID, Delete, From, Time, and Content. The table is currently empty. There are buttons for '+ Add New', 'Apply', and 'Cancel'. The left sidebar contains links for 'Short Messages', 'DHCP Setting', 'USSD', and 'Firewall Setting'.

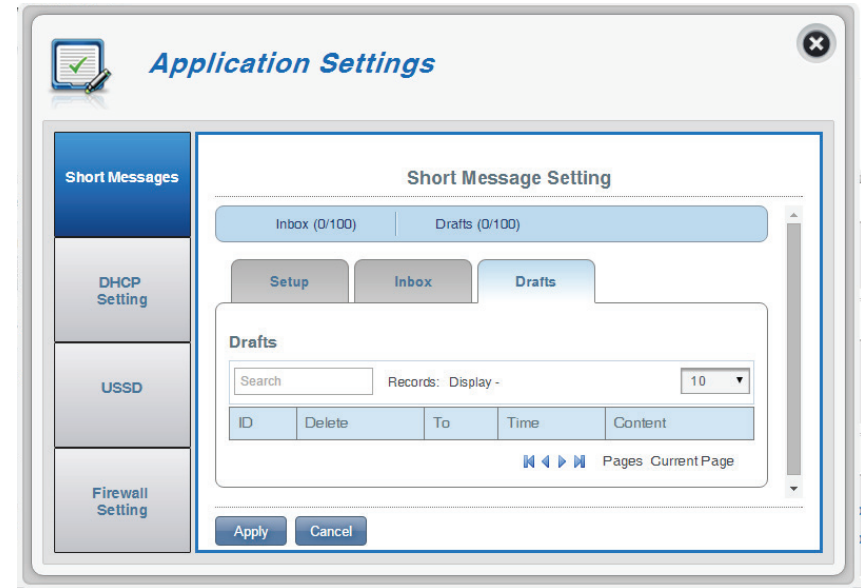


The screenshot shows the 'Application Settings' window with the 'Short Message Setting' sub-window. The 'Send SMS' form is displayed, with fields for 'Send to' and 'Content'. Below the fields, there is a note: 'Input 0 characters. For pure english message, the max number of characters is 1000. For not pure english message, the max number of characters is 500.' There are buttons for 'Send', 'Save as Draft', and 'Cancel'. The left sidebar contains links for 'Short Messages', 'DHCP Setting', 'USSD', and 'Firewall Setting'.

## Drafts

- ID** A chronological number given to each message you save to draft.
- Delete** Check this box to select and delete a message in your drafts folder.
- To** The SMS recipient's number.
- Time** The time the message was last edited.
- Content** The SMS message's content.

Click **Apply** to save changes.



# DHCP Settings

Here you can enable your router's DHCP Service, configure the IP address for the DWR-932 as well as the range of IP numbers that the DHCP will give out.

## DHCP Service

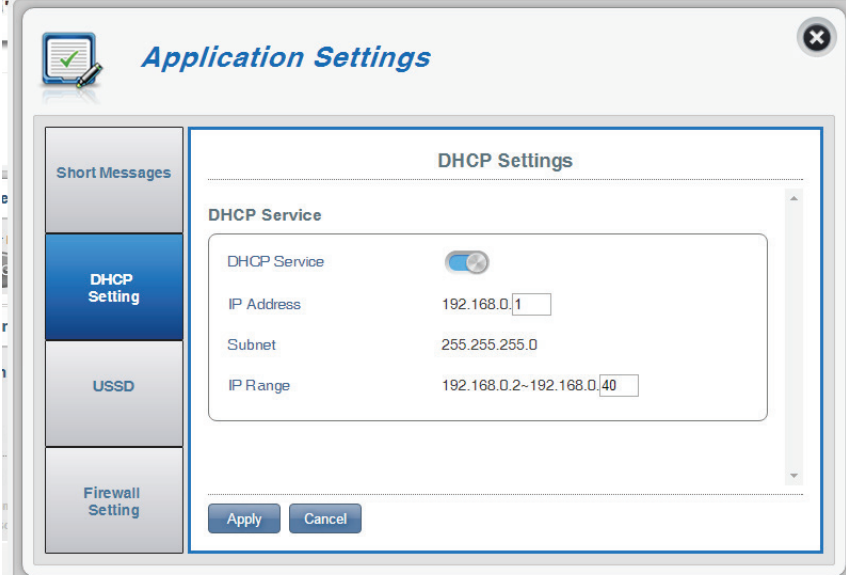
**DHCP Service** Enable/disable the DHCP Service.

**IP Address** Click on the last digit to alter your router's current IP address.

**Subnet** The subnet number that your router is using.

**IP Range** Click on the last digits to alter the range of numbers that the DHCP server will give out.

Click **Apply** to save changes.



The screenshot shows the 'Application Settings' window with a sidebar on the left containing 'Short Messages', 'DHCP Setting' (highlighted), 'USSD', and 'Firewall Setting'. The main area is titled 'DHCP Settings' and contains a 'DHCP Service' section. In this section, the 'DHCP Service' toggle is turned on. Below it, the 'IP Address' is set to 192.168.0.1, the 'Subnet' is 255.255.255.0, and the 'IP Range' is 192.168.0.2-192.168.0.40. At the bottom of the main area are 'Apply' and 'Cancel' buttons.

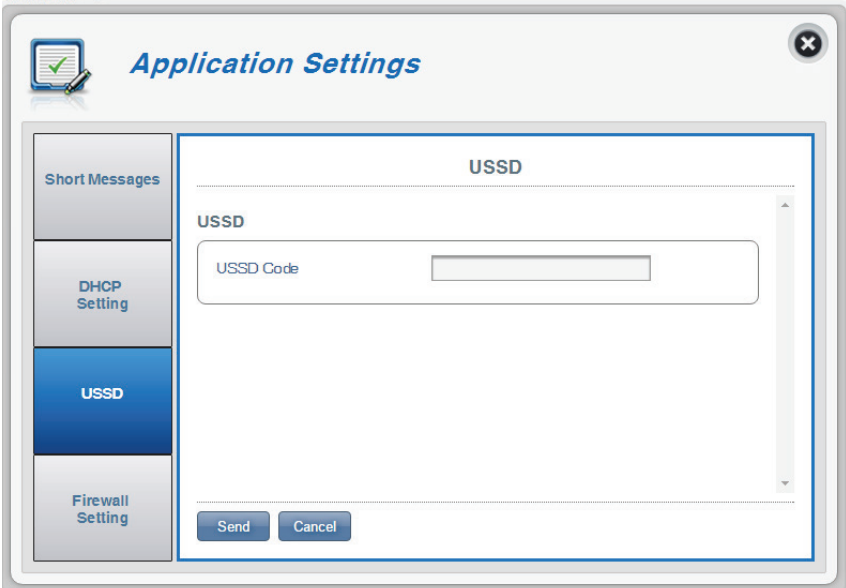
DHCP Settings	
<b>DHCP Service</b>	
DHCP Service	<input checked="" type="checkbox"/>
IP Address	192.168.0.1
Subnet	255.255.255.0
IP Range	192.168.0.2-192.168.0.40

# USSD

Unstructured Supplementary Service Data (USSD) allows ISP-specific applications to be activated with an SMS message.

## USSD

**USSD Code** Enter an application activation code and click the **Send** button. This will allow you to activate applications by sending an SMS to your ISP.



The screenshot shows a web-based configuration interface titled "Application Settings". On the left is a vertical sidebar with four menu items: "Short Messages", "DHCP Setting", "USSD" (which is highlighted in blue), and "Firewall Setting". The main content area is titled "USSD" and contains a section labeled "USSD" with a text input field labeled "USSD Code". At the bottom of the main area are two buttons: "Send" and "Cancel".



# Firewall Settings

A firewall protects your network from the outside world, helping to prevent cyber attacks. This page allows you to alter your router's firewall settings.

## Firewall Settings

**Firewall Enable** Clicking this toggle activates the IP Filter. For more information see **IP Filter** on page 46

**DMZ Settings** DMZ is short for Demilitarized Zone. Clicking this toggle will expose a chosen computer to the outside world by completely disabling all firewalls.

**Note:** *Only recommend for advanced users, enabling this option will potentially expose your computer to cyber attacks over the Internet.*

**PPTP Pass Through** Allows multiple machines on the LAN to connect to their corporate network using PPTP protocol.

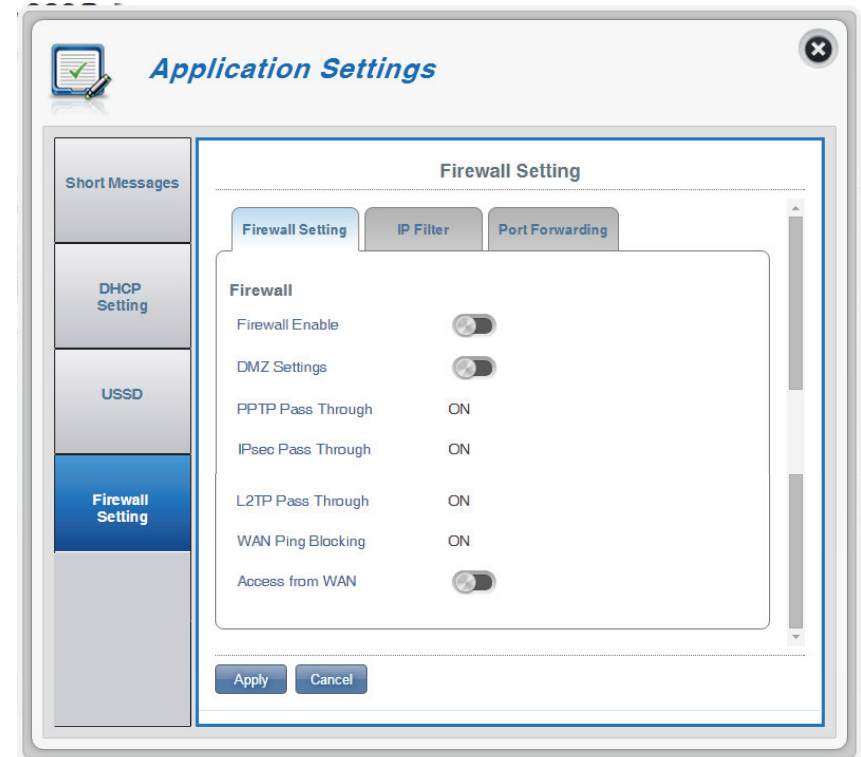
**IPsec Pass Through** Allows multiple machines on the LAN to connect to their corporate network using IPsec protocol.

**L2TP Pass Through** Allows multiple machines on the LAN to connect to their corporate network using L2TP protocol.

**WAN Ping Blocking** The DWR-932 will not respond to pings.

**Access from WAN** Clicking this toggle allows access from WAN.

Click **Apply** to save changes.



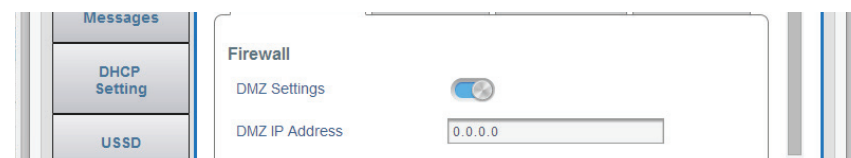
### If you selected Firewall Enable:

**IP Filter Rules** Choose **Drop** to block all IP addresses defined in the **IP Filter** section or **Allow** to only allow those addresses access to your network.



### If you selected DMZ Settings:

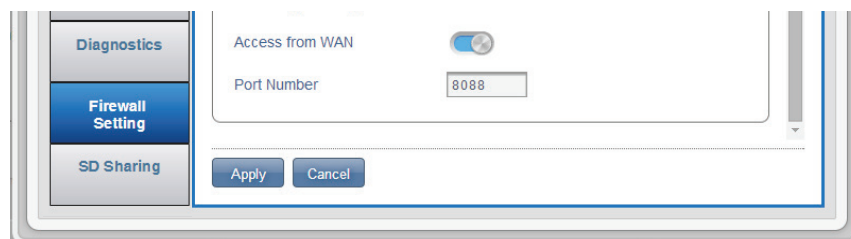
**DMZ IP Address** Type in the IP address of the computer you wish to disable firewall protection on.



### If you selected Access from WAN:

**Port Number** The port number used to access the router from the WAN.

Click **Apply** to save changes.



## IP Filter

The DWR-932 can filter certain IP addresses and ports. IP filtering will help to protect your network from outside intrusions and malicious attacks.

Click **Add New** to add a new filtering rule.

**ID** ID number given to new IP filters.

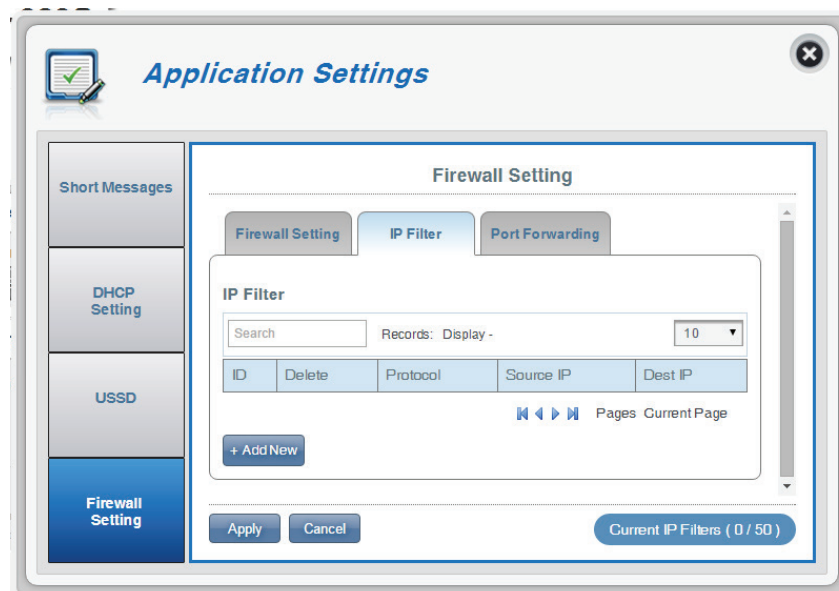
**Delete** Click here to select the filters you wish to delete.

**Protocol** The protocol for the IP filter rule.

**Source IP** The source IP address to be filtered.

**Dest IP** The destination IP address to be filtered.

Click **Apply** to save changes.



**If you selected Add New IP Filter:**

**Add IP Filter**

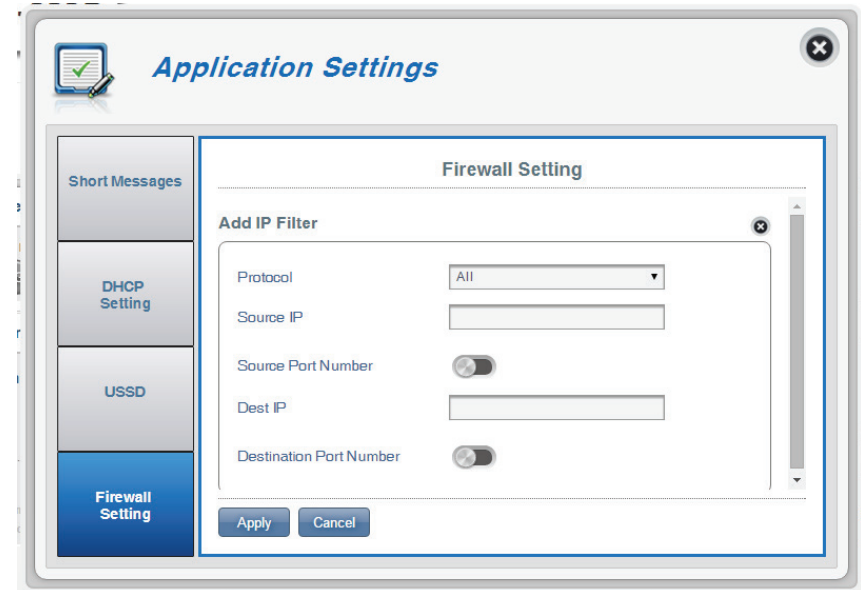
**Protocol** Select the protocol for ports that you want to allow or deny access to. Choose between **TCP**, **UDP** or **ICMP** or all of the above.

**Source IP** Enter the source IP address that you wish to filter.

**Source Port Number** Click the toggle if you wish enter a single port or a range of ports that you wish to apply the changes to. Separate port numbers with a comma.

**Dest IP** Type in the destination IP address.

**Destination Port Number** Click the toggle if you wish enter a single port or a range of ports that you wish to apply the changes to. Separate port numbers with a comma.



## Port Forwarding

This page will allow you to open a single port or a range of ports to specific IP addresses.

**ID** ID number given to the new rule.

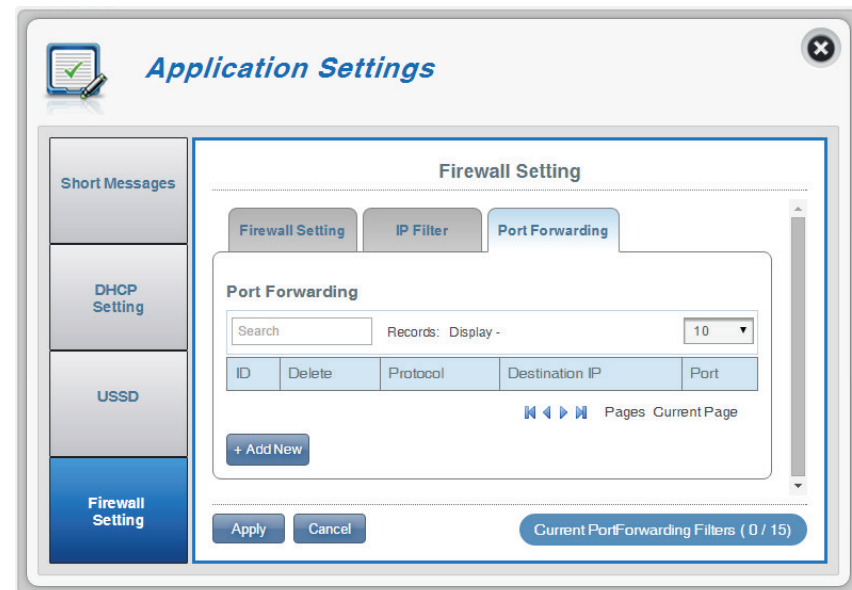
**Delete** Click here to select the rules you wish to delete.

**Protocol** The selected protocol for the IP filter rule.

**Destination IP** The IP address that will be port forwarded to.

**Port** The port number that incoming traffic will be forwarded from.

Click **Add New** to add a new port.



## If you selected Add Port Forwarding

### Add Port Forwarding

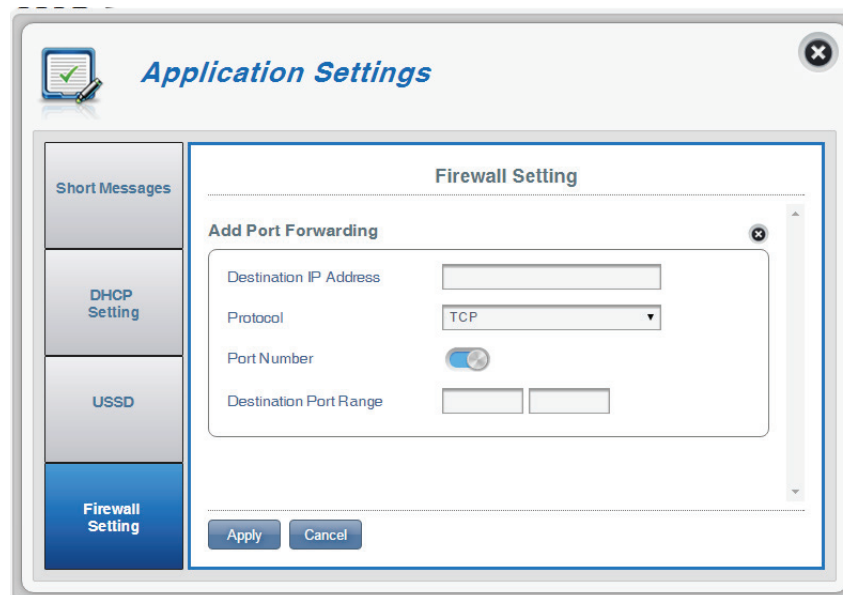
**Destination IP Address** The IP address you want to allow port forwarding on.

**Protocol** Select the protocol for ports that you want to allow or deny access to. Choose between **TCP**, **UDP** or **Other**.

**Port Number** Click the toggle to enter the ports you want port forwarding on.

**Destination Port Range** Enter a single port or a range of ports that you wish to allow port forwarding on. Separate port numbers with a comma.

Click **Apply** to proceed.



# System System Information

## About DWR-932

**FW Version** The DWR-932's current firmware version.

**Hardware Version** The DWR-932's current hardware version.

**IMEI** International Mobile Equipment Identity is a unique number assigned to every mobile device.

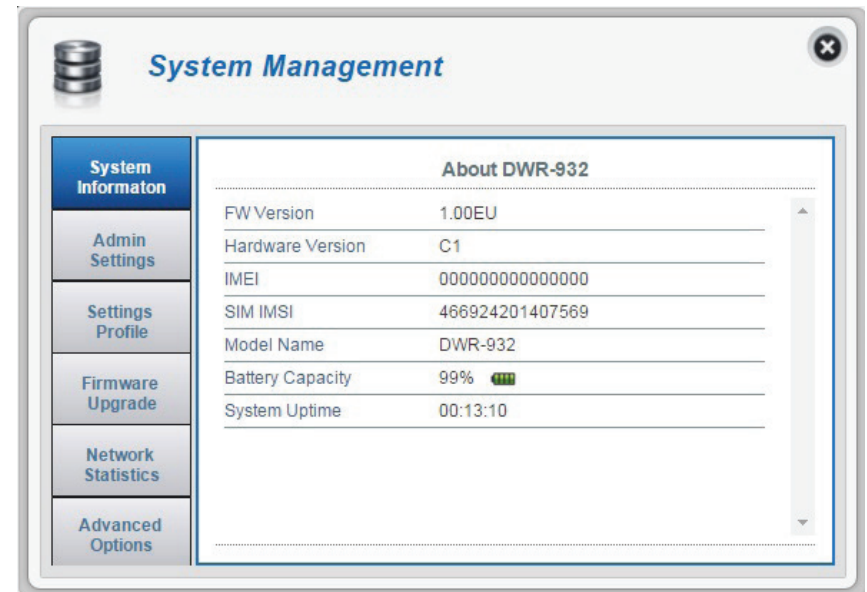
**SIM IMSI** The Subscriber Identification Module or SIM card has a unique number called International Mobile Subscriber Identity (IMSI). This is used to identify and authenticate users on cellular devices.

**Model Name** The model name of your D-Link router.

**Battery Capacity** Your router's current battery life.

**System Uptime** The length of time your system has been running for.

**Note:** The FW version number and Modem Version number displayed on the image above will not be the same as your router's.



# Admin Settings

## Account

This tab allows you to customize your own username and password as well as adjust the auto logout timer.

**Username** Adjust your login username here.

**Old Password** Enter your old password here.

**New Password** Change new password here.

**Confirm Password** Confirm new password here.

**Auto logout after** Click on the drop-down arrow to select the length of time before the DWR-932 automatically logs out. Click **Update** to save your changes.

Click **Apply** to proceed.

The screenshot displays the 'System Management' web interface. On the left is a vertical navigation menu with options: System Information, Admin Settings (highlighted), Settings Profile, Firmware Upgrade, Network Statistics, and Advanced Options. The main content area is titled 'Administration' and contains three tabs: 'Account' (selected), 'Language', and 'Date & Time'. Under the 'Account' tab, there are input fields for 'Username' (containing 'admin'), 'Old Password', 'New Password', and 'Confirm Password'. Below these is a checkbox for 'Show Characters' and a dropdown menu for 'Auto logout after' set to '5' minutes. An 'Update' button is located below the dropdown. At the bottom of the main area are 'Apply' and 'Cancel' buttons.



## Language

This tab allows you to change the default language of the router's web page interface.

**Language** Select your desired language here.

Click **Apply** to proceed.



## Date & Time

In this section, you can adjust the date and your current international time zone.

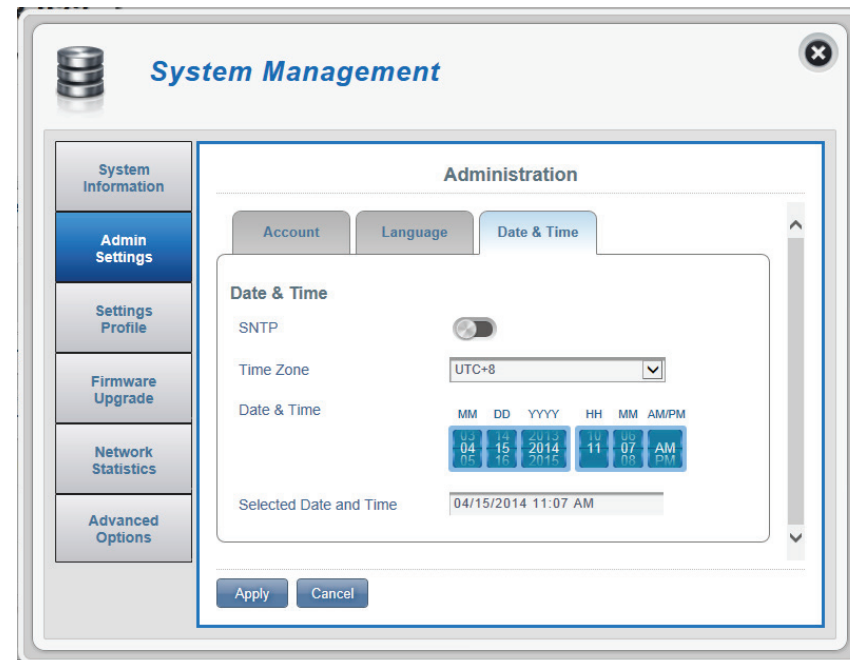
**SNTP** Click the toggle to **Enable** or **Disable** automatically synchronize the time with a Simple Network Time Protocol (SNTP) server.

**Time Zone** Select your current Coordinated Universal Time zone (UTC).

**Date & Time** Adjust the dials on the screen with your mouse pointer to set the date and time.

**Selected Date and Time** Displays your new adjusted time.

Click **Apply** to proceed.



**If you enabled automatic synchronization with an SNTP server.**

**Primary, Secondary and Tertiary SNTP Server** Enter an SNTP server address which will be used to synchronize the router's system time and date.

**Time Zone** Enter the time zone where you are currently using the DWR-932 to correctly set the time offset.

**Synchronization Cycle** You can specify in hours how frequently the DWR-932 will update the time from an SNTP server.

The screenshot shows the 'System Management' web interface. On the left is a sidebar with navigation links: 'System Information', 'Admin Settings' (highlighted), 'Settings Profile', 'Firmware Upgrade', 'Network Statistics', and 'Advanced Options'. The main content area is titled 'Administration' and contains three tabs: 'Account', 'Language', and 'Date & Time' (which is active). Under the 'Date & Time' tab, there is a 'Date & Time' section with a toggle switch for 'SNTP' that is turned on. Below the toggle are four input fields: 'Primary SNTP Server' (containing 'tock.stdtime.gov.tw'), 'Secondary SNTP Server' (containing 'tick.stdtime.gov.tw'), 'Tertiary SNTP Server' (containing 'time.windows.com'), and 'Time Zone' (a dropdown menu showing 'UTC+8'). At the bottom of this section is a 'Synchronization Cycle' field with the value '12' and a label '[ Hours ]'. At the very bottom of the 'Date & Time' section are 'Apply' and 'Cancel' buttons.

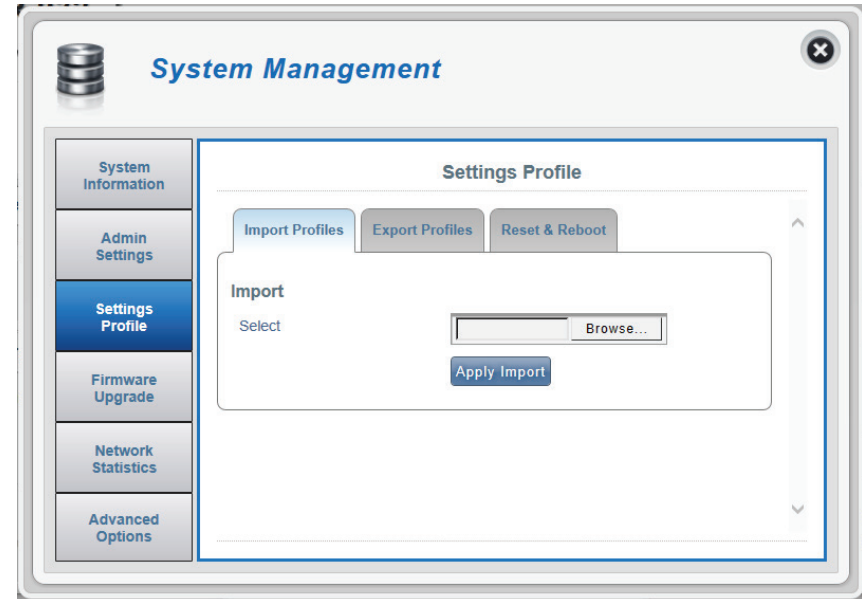
# Settings Profile

In the **Import Profiles** tab, you can import previously configured settings for the router.

## Import

**Select** Browse your computer for previously exported settings.

Click **Apply Import** to proceed.



## Export Profiles

In the **Export Profiles** tab you can export your currently configured settings to a computer.

### Export

**To Get Current Profile** Click the **Click Me** button to download the current settings of your DWR-932.



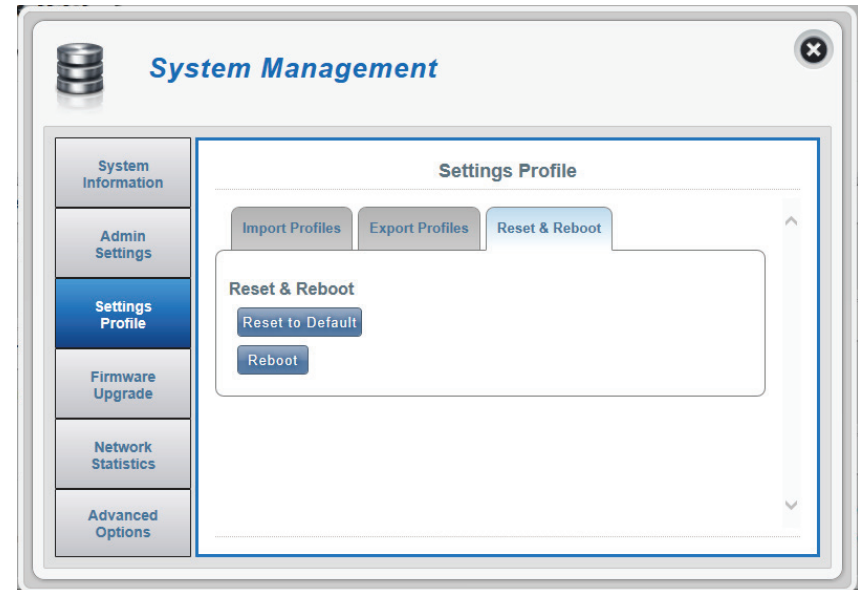
## Reset and Reboot

In the **Reset and Reboot** tab you can reboot your router or reset it to factory default. You can also manually reset your router by removing the battery cover and using an implement such as a straightened paperclip to press and hold the reset button on the router for 5 seconds.

### Reset and Reboot

**Reset to Default** Select the **Reset to Default** button to reset the DWR-932 to factory default.

**Reboot** Select the **Reboot** button to reboot the DWR-932.



# Firmware Upgrade

This page allows you to manually upgrade your router's firmware.

## Upgrade My router

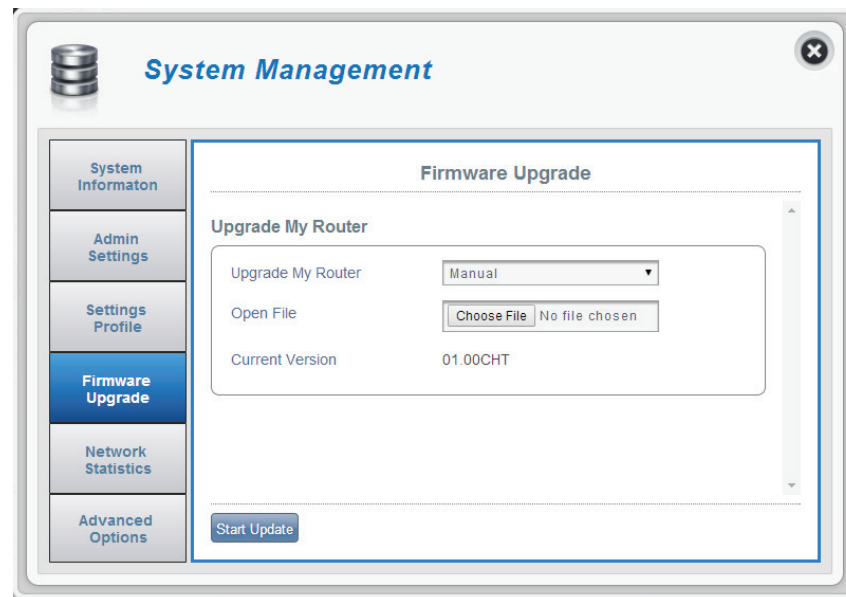
**Upgrade My Router** Manually upgrade the firmware of your router.

**Open File** Select the appropriate file for the upgrade.

**Current Version** The current version of your firmware.

**Note:** *The FW version number displayed on the image to the right will not be the same as your router's.*

Click the **Start Update** button.





# Network Statistics

## Statistics

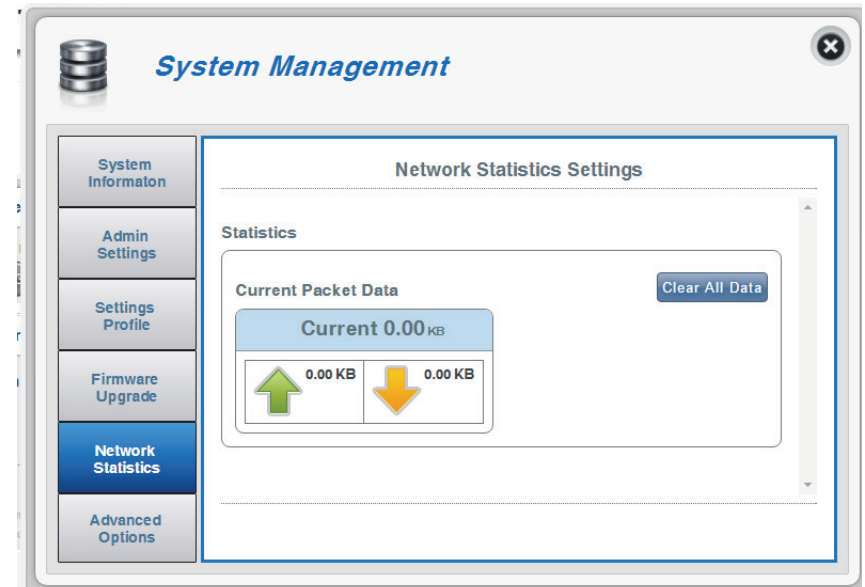
This page allows you to view your router's packet data usage.

### Total Packet Data

**Uploads**  Your total amount of uploaded data.

**Downloads**  Your total amount of downloaded data.

**Clear All Data** Click this button to clear data records.



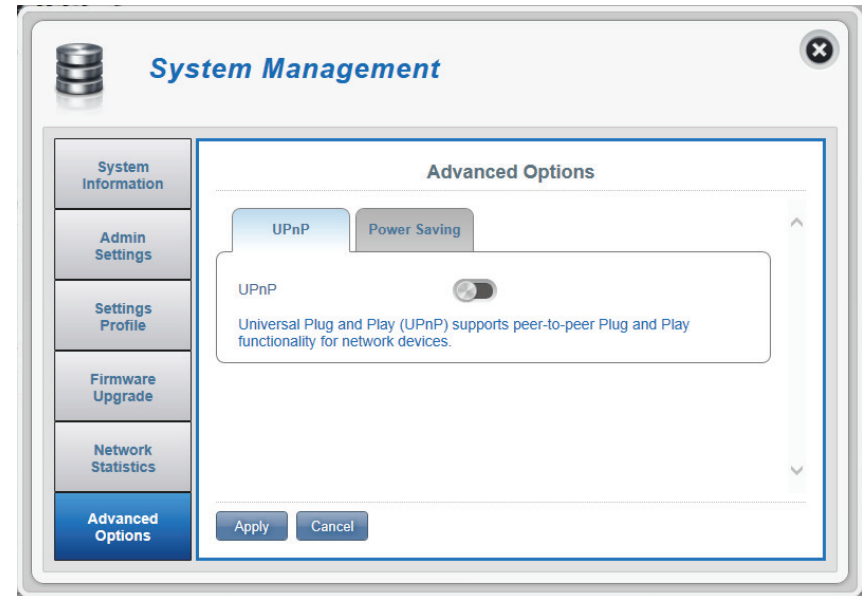


## Advanced Options

On this page you can enable and disable a Universal Plug and Play (UPnP) feature. UPnP devices can easily view and interact with other compatible networking equipment, software and peripherals.

### UPNP

**UPnP** Click the toggle to use the Universal Plug and Play (UPnP) feature.

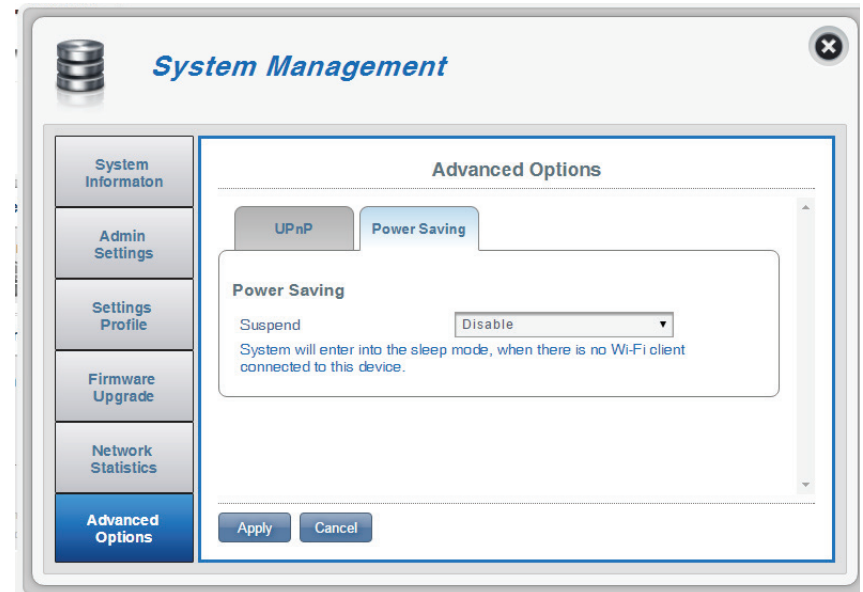


## Power Saving

On this page you can configure power saving settings, to help give your DWR-932 longer battery life when you don't have easy access to a charger.

**Suspend** Allows you to set the length of time after which the DWR-932 will go to sleep when no Wi-Fi clients are connected.

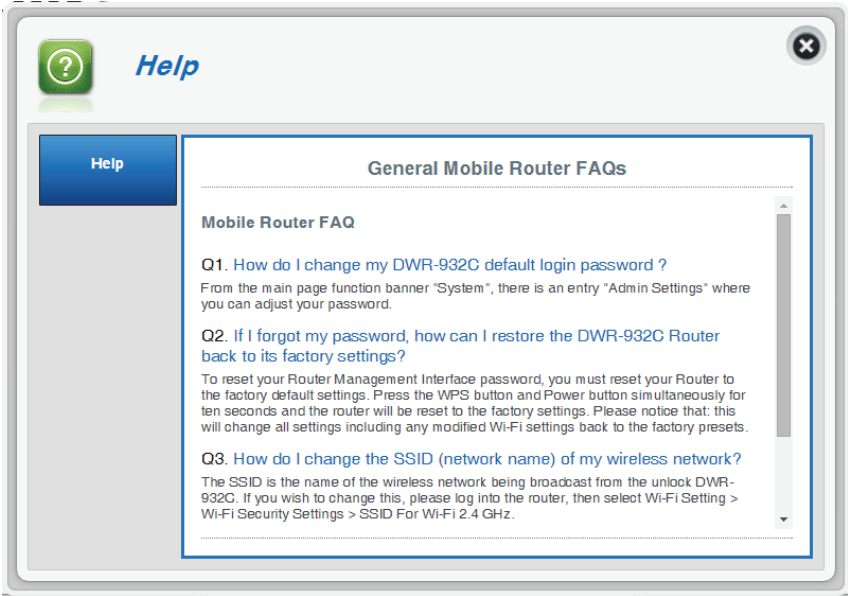
Click **Apply** to proceed.



# Help

## General Mobile Router FAQs

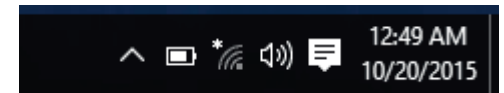
On this page you can find answers to some frequently asked questions.



# Connecting to a Wireless Network Using Windows 10

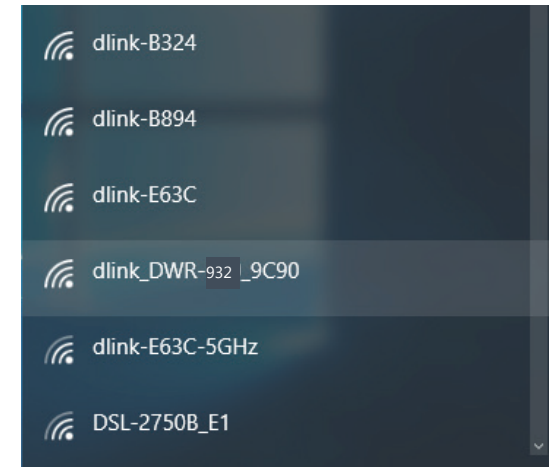
When connecting to the DWR-932 wirelessly for the first time, you will need to know the default network name (SSID) and security key (Wi-Fi password) being used. These can be found on a label on the underside of the battery cover.

To join an existing network, locate the wireless network icon in the taskbar, next to the time display and click on it.



Wireless Icon

Clicking on this icon will display a list of wireless networks which are within connecting proximity of your computer. Select the desired network by clicking on the SSID.

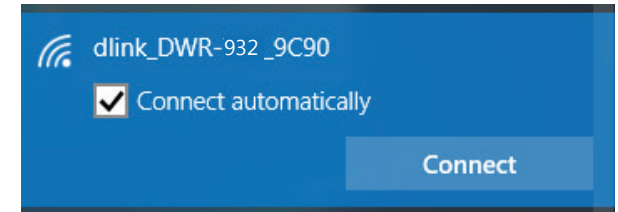


## Section 3 - Configuration

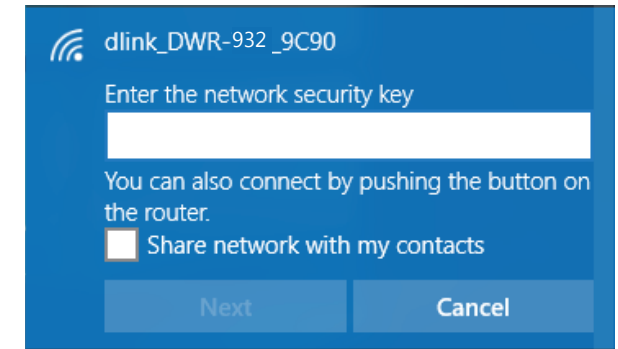
---

To connect to the SSID, click **Connect**.

To automatically connect with the router when your device next detects the SSID, click the **Connect Automatically** check box.



You will then be prompted to enter the network security key (Wi-Fi password) for the wireless network. Enter the password into the box and click **Next** to connect to the network.



# Using Windows 8

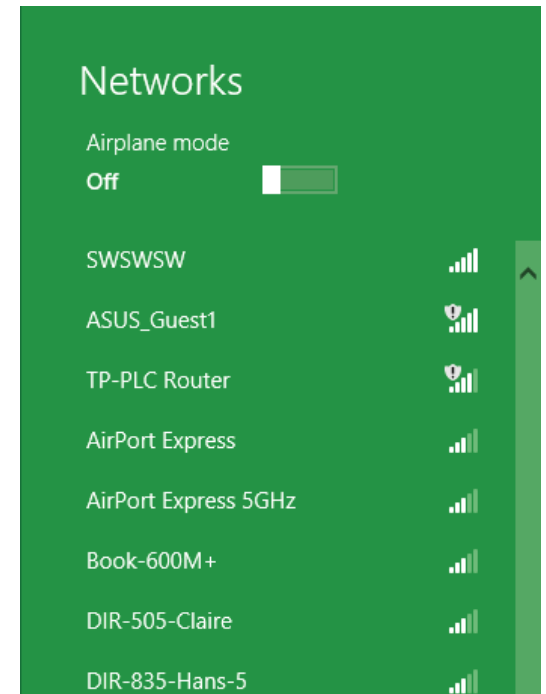
It is recommended to enable wireless security (WPA/WPA2) on your wireless router or access point before configuring your wireless adapter. If you are joining an existing network, you will need to know the security key (Wi-Fi password) being used.

To join an existing network, locate the wireless network icon in the taskbar, next to the time display.



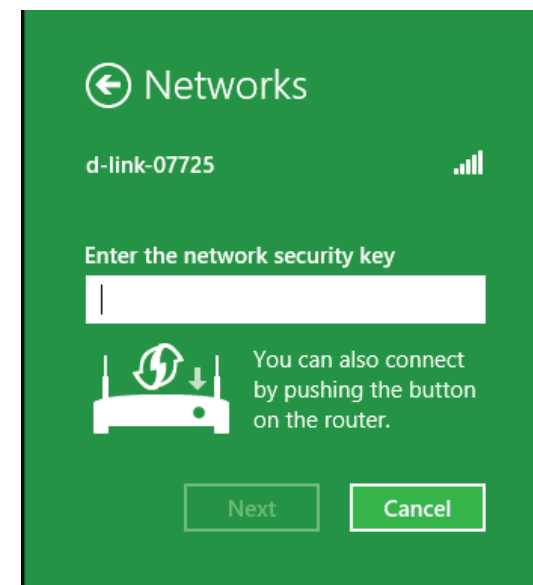
Wireless Icon

Clicking on this icon will display a list of wireless networks which are within connecting proximity of your computer. Select the desired network by clicking on the network name.

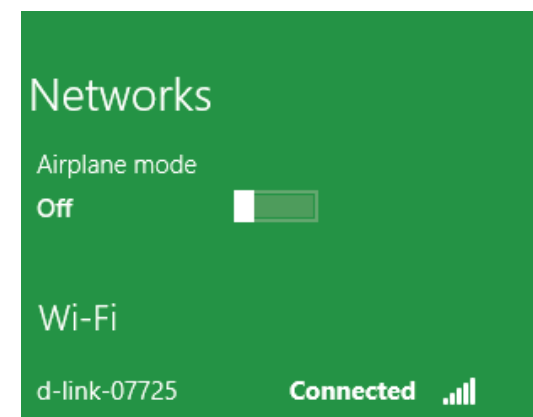


You will then be prompted to enter the network security key (Wi-Fi password) for the wireless network. If this is the first time connecting to your router, a unique security key for your router will be displayed on a sticker in the router's battery bay. Enter the password into the box and click Next.

If you wish to use Wi-Fi Protected Setup (WPS) to connect to the router, you can also press the WPS button on your router at this point to enable the WPS function.



When you have established a successful connection to a wireless network, the word **Connected** will appear next to the name of the network to which you are connected.

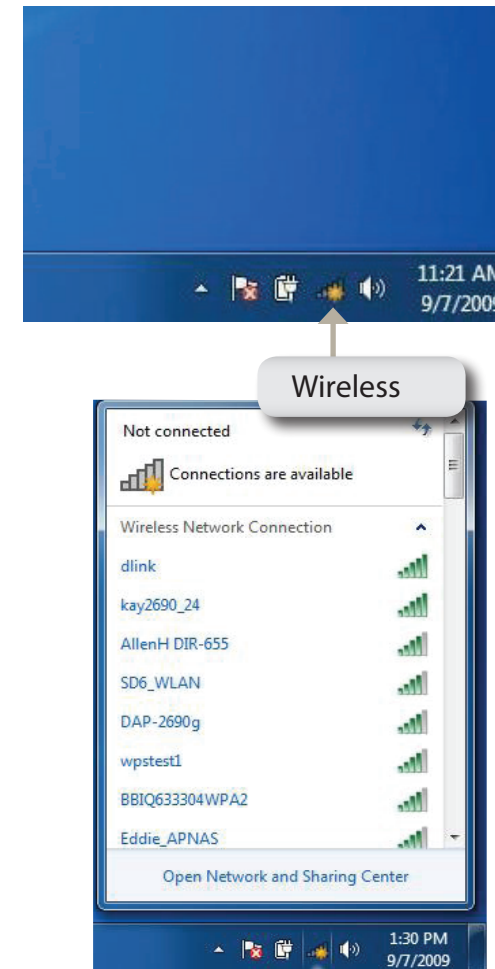


# Connecting to a Wireless Network Using Windows 7

Windows 7 users may use the built-in wireless utility to connect to a wireless network. If you are using another company's utility or Windows 2000, please refer to the user manual of your wireless adapter for help with connecting to a wireless network. Most utilities will have a "site survey" option similar to the Windows 7 utility as seen below.

If you receive the Wireless Networks Detected bubble, click on the center of the bubble to access the utility. You can also click on the wireless icon in your system tray (lower-right corner).

The utility will display any available wireless networks in your area.





Highlight the wireless network (SSID) you would like to connect to and click the **Connect** button.

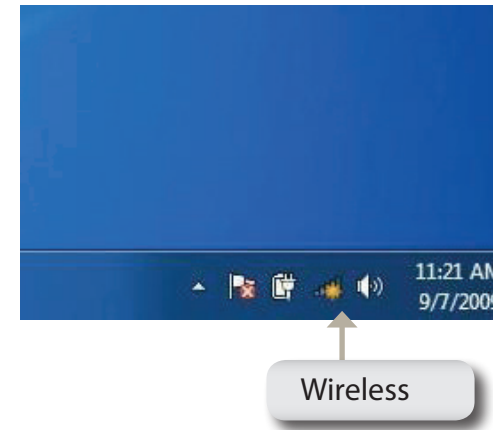
If you get a good signal but cannot access the Internet, check your TCP/IP settings for your wireless adapter. Refer to **Networking Basics** on page 74 for more information.



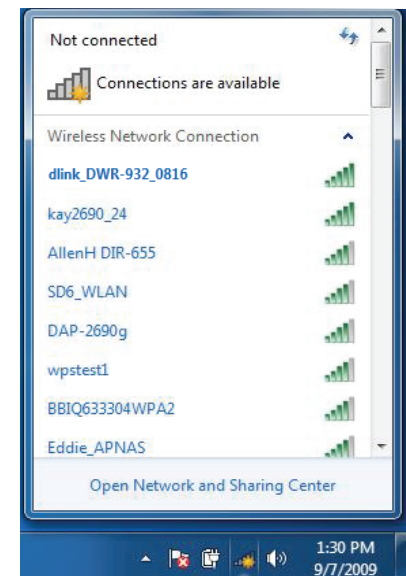
## Configuring Wireless Security

It is recommended to enable wireless security (WPA/WPA2) on your wireless router or access point before configuring your wireless adapter. If you are joining an existing network, you will need to know the security key or passphrase being used.

1. Click on the wireless icon in your system tray (lower-right corner).



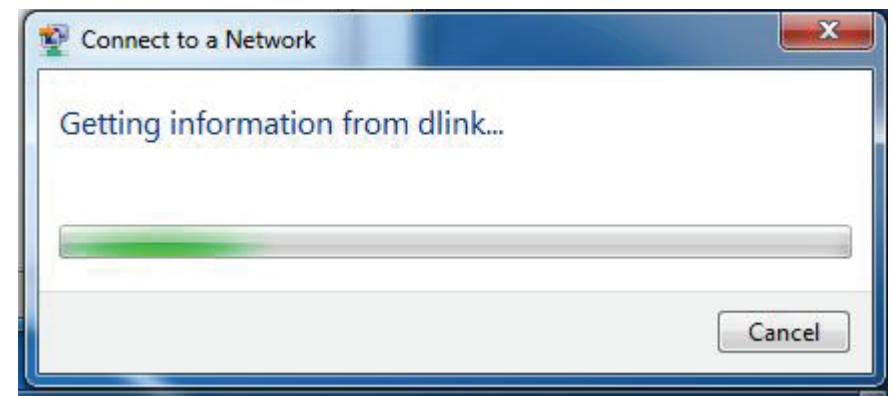
2. The utility will display any available wireless networks in your area.



3. Highlight the wireless network (SSID) you would like to connect to and click the **Connect** button.

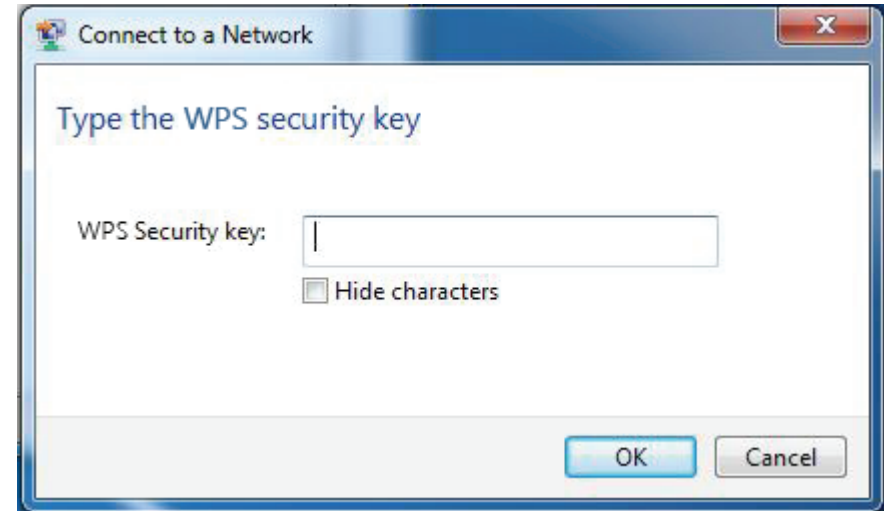


4. The following window appears while your computer tries to connect to the router.



5. Enter the same security key or passphrase that is on your router and click **Connect**.

It may take 20-30 seconds to connect to the wireless network. If the connection fails, please verify that the security settings are correct. The key or pass phrase must be exactly the same as on the wireless router.



# Troubleshooting

This chapter provides solutions to problems that can occur during the installation and operation of the DWR-932. Read the following descriptions if you are having problems.

## 1. Why can't I access the web-based configuration utility?

When entering the IP address of your router (192.168.0.1 for example), you are not connecting to a website on the Internet nor do you have to be connected to the Internet. The device has the utility built-in to a ROM chip in the device itself. Your computer must be on the same IP subnet to connect to the web-based utility.

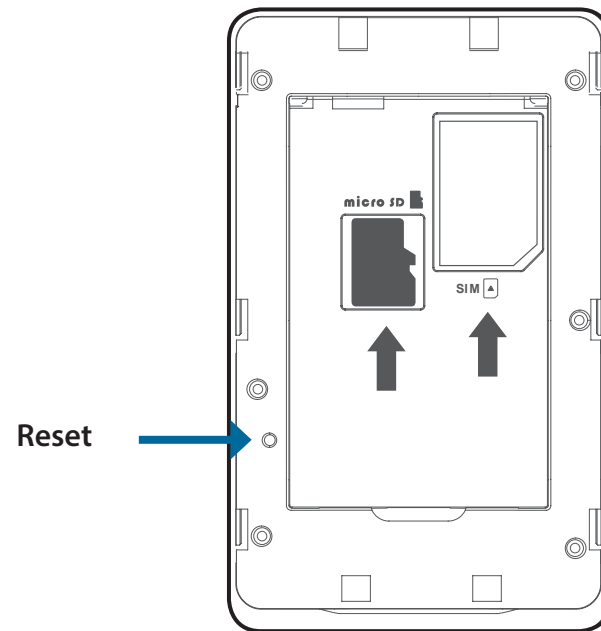
- Make sure you have an updated Java-enabled web browser. We recommend the following:
  - Internet Explorer 9 or higher, Chrome 28.0, Firefox 23.0, or Safari 6.
- If attempting to connect wirelessly, ensure that the wireless LED indicator is showing. Also, ensure that you are connected to the correct SSID for your mobile router.
- Make sure that the computer you are using is not connected to any other devices (such as routers or switches) which might have the same IP address as the DWR-932, as this may cause an IP address conflict. If you have a conflict, temporarily unplug any other devices from your computer while you configure the DWR-932. You can also change the IP address of the DWR-932 in the Network section of the configuration utility. You may also need to renew your computer's IP address configuration. To do this, start the Command utility: Click on **Start > Run**. In the run box type **cmd** and click **OK**. (Windows Vista users type **cmd** in the **Start Search** box.) This will bring up a black screen with white text. At the command prompt, type **ipconfig /release** and wait for the process to be completed. Next, type **ipconfig /renew** which will renew your computer's IP address configuration.
- Disable any Internet security software running on the computer. Software firewalls such as ZoneAlarm, BlackICE, Sygate, Norton Personal Firewall, and Windows® XP firewall may block access to the configuration pages. Check the help files included with your firewall software for more information on disabling or configuring it.
- Configure your Internet settings:
  - Go to **Start > Settings > Control Panel**. Double-click the **Internet Options** Icon. From the **Security** tab, click the **Default Level** button to restore the settings to their defaults.
  - Click the **Connection** tab and set the dial-up option to Never Dial a Connection. Click the LAN Settings button. Make sure nothing is checked. Click **OK**.
  - Go to the **Advanced** tab and click the button to restore these settings to their defaults. Click **OK** three times.

- Close your web browser (if open) and re-open it.

### 2. What can I do if I forgot my password?

If you forgot your password, you must reset your router. Please note that this process will change all your settings back to the factory defaults.

To reset the router, open the battery cover and using a paper clip, press and hold this button for 6 seconds to reboot the unit. The DWR-932 will restore the factory default settings. Replace the battery and turn the power on before you attempt to reconnect to it. The default IP address is 192.168.0.1, and the default username is **admin** and the password should be left blank.



# Networking Basics

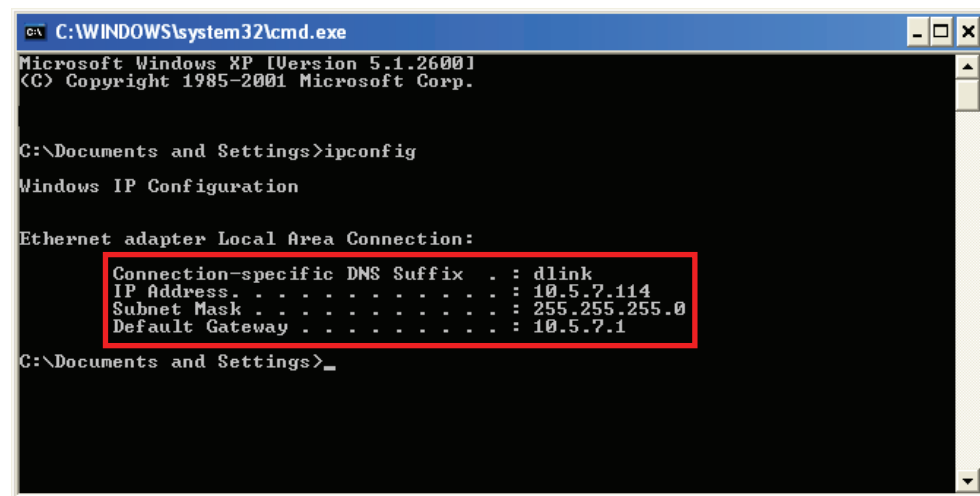
## Check your IP address

After you install your new D-Link adapter, by default, the TCP/IP settings should be set to obtain an IP address from a DHCP server (i.e. wireless router) automatically. To verify your IP address, please follow the steps below.

Click on **Start > Run**. In the run box type *cmd* and click **OK**. (Windows® Vista™ users type *cmd* in the **Start Search** box.)

At the prompt, type *ipconfig* and press **Enter**.

This will display the IP address, subnet mask, and the default gateway of your adapter.



```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings>ipconfig

Windows IP Configuration

Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix  . : dlink
    IP Address. . . . . : 10.5.7.114
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 10.5.7.1

C:\Documents and Settings>
```

If the address is 0.0.0.0, check your adapter installation, security settings, and the settings on your router. Some firewall software programs may block a DHCP request on newly installed adapters.

## Statically Assign an IP address

If you are not using a DHCP capable gateway/router, or you need to assign a static IP address, please follow the steps below:

### Step 1

- Windows® 8 Click on **Start > Control Panel > Network and Internet Connections > Network Connections > Configure your Internet Protocol (IP) settings.**
- Windows® 7 Click on **Start > Control Panel > Network and Internet > Network and Sharing Center > Manage Network Connections.**
- Windows® Vista™ Click on **Start > Control Panel > Network and Internet > Network and Sharing Center > Manage Network Connections.**
- Windows® XP Click on **Start > Control Panel > Network Connections.**

### Step 2

Right-click on the **Local Area Connection** which represents your network adapter and select **Properties.**

### Step 3

Highlight **Internet Protocol (TCP/IP)** and click **Properties.**

### Step 4

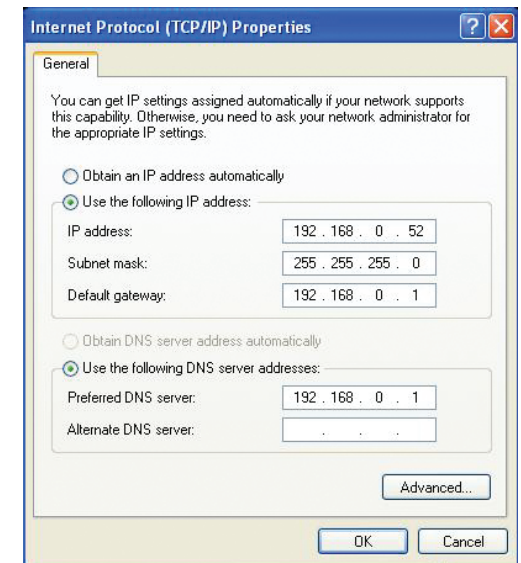
Click **Use the following IP address** and enter an IP address that is on the same subnet as your network or the LAN IP address on your router.

**Example:** If the router's LAN IP address is 192.168.0.1, make your IP address 192.168.0.X where X is a number between 2 and 99. Make sure that the number you choose is not in use on the network. Set Default Gateway the same as the LAN IP address of your router (192.168.0.1).

Set Primary DNS the same as the LAN IP address of your router (192.168.0.1). The Secondary DNS is not needed or you may enter a DNS server from your ISP.

### Step 5

Click **OK** twice to save your settings.





# Technical Specifications

## Radio Frequency Bands

- LTE: Band 3,38,40
- WCDMA B1/B8
- GSM: 850/900/1800/1900 MHz
- LTE output power class: 23 dBm (class3)

## Cellular Access

- Downlink: 150 Mbps
- Uplink: 50 Mbps

## Wi-Fi Access Point

- 802.11n
- 802.11g
- 802.11b

## Antenna

- DL MIMO (1x2)
- One internal diversity antenna

## USB Interface

- Micro-USB port

## USIM Slot

- Standard 6-pin SIM card interface

## LED Indicators

- 3 LED Indicators

## Wireless Security

- WPA & WPA2 (Wi-Fi Protected Access)

## Firewall

- Port Range Forwarding
- DMZ
- UPnP

## Dimensions (L x W x H)

- 105 x 46 x 16 mm (4.13 x 1.81 x .062 in)

## Weight

- 100.83 g

## Operating Temperature

- 0 to 40 °C (32 to 104 °F)

# Regulatory Information

## European Union:

This device complies with the essential requirements of the R&TTE Directive 1999/5/EC. For more information, please refer to the Declaration of Conformity.

## Notice of Wireless Radio LAN Usage in The European Community:

- This device is a 2.4 GHz wideband transmission system (transceiver), intended for use in all EU member states and EFTA countries, except in France where restrictive use applies. This device may not be used for setting up outdoor radio links in France and in some areas the RF output power may be limited to 10 mW EIR P in the frequency range of 2454 –2483.5 MHz. For detailed information the end-user should contact the national spectrum authority in France.

This equipment may be operated in AL, AD, BE , BG, DK, DE, FI, FR, GR, GW, IS, IT, HR, LI, LU, MT , MK, MD, MC, NL, NO, AT, OL, PT, RO, SM, SE, RS, SK, ES, CI, HU, CY

## Usage Notes:

- To remain in conformance with European National spectrum usage regulations, frequency and channel limitations will be applied on the products according to the country where the equipment will be deployed.

**2.4 GHz Wireless Frequency and Channel Operation in EEC Countries:**

Region	Frequency Band	Max output power (EIRP)
Metropolitan	2400 - 2454 MHz	100 mW
Guadeloupe, Martinique, St Pierre et Miquelon, Mayotte	2454 - 2483.5 MHz	100 mW indoor, 10 mW outdoor
Reunion et Guyane	2400 - 2483.5 MHz	100 mW
Rest of EU community	2420 - 2483.5 MHz	100 mW

R&TTE 1999/5/EC			
WLAN 2.4 - 2.4835 GHz			
IEEE 802.11b/g/n			
Spectrum Regulation	MHz, Europa (ETSI)	max. EIRP Innenbereich	max. EIRP Außenbereich
Europa	2400 - 2483.5 MHz	100 mW	100 mW
Frankreich	2400 - 2454 MHz	100 mW	100 mW
	2454 - 2483.5 MHz	100 mW	10 mW



# Disposing of and Recycling Your Product



## ENGLISH

EN



This symbol on the product or packaging means that according to local laws and regulations this product should be not be disposed of in the household waste but sent for recycling. Please take it to a collection point designated by your local authorities once it has reached the end of its life, some will accept products for free. By recycling the product and its packaging in this manner you help to conserve the environment and protect human health.

## D-Link and the Environment

At D-Link, we understand and are committed to reducing any impact our operations and products may have on the environment. To minimise this impact D-Link designs and builds its products to be as environmentally friendly as possible, by using recyclable, low toxic materials in both products and packaging.

D-Link recommends that you always switch off or unplug your D-Link products when they are not in use. By doing so you will help to save energy and reduce CO2 emissions.

To learn more about our environmentally responsible products and packaging please visit [www.dlinkgreen.com](http://www.dlinkgreen.com).

## DEUTSCH

DE



Dieses Symbol auf dem Produkt oder der Verpackung weist darauf hin, dass dieses Produkt gemäß bestehender örtlicher Gesetze und Vorschriften nicht über den normalen Hausmüll entsorgt werden sollte, sondern einer Wiederverwertung zuzuführen ist. Bringen Sie es bitte zu einer von Ihrer Kommunalbehörde entsprechend amtlich ausgewiesenen Sammelstelle, sobald das Produkt das Ende seiner Nutzungsdauer erreicht hat. Für die Annahme solcher Produkte erheben einige dieser Stellen keine Gebühren. Durch ein auf diese Weise durchgeführtes Recycling des Produkts und seiner Verpackung helfen Sie, die Umwelt zu schonen und die menschliche Gesundheit zu schützen.

## D-Link und die Umwelt

D-Link ist sich den möglichen Auswirkungen seiner Geschäftstätigkeiten und seiner Produkte auf die Umwelt bewusst und fühlt sich verpflichtet, diese entsprechend zu mindern. Zu diesem Zweck entwickelt und stellt D-Link seine Produkte mit dem Ziel größtmöglicher Umweltfreundlichkeit her und verwendet wiederverwertbare, schadstoffarme Materialien bei Produktherstellung und Verpackung.

D-Link empfiehlt, Ihre Produkte von D-Link, wenn nicht in Gebrauch, immer auszuschalten oder vom Netz zu nehmen. Auf diese Weise helfen Sie, Energie zu sparen und CO2-Emissionen zu reduzieren.

Wenn Sie mehr über unsere umweltgerechten Produkte und Verpackungen wissen möchten, finden Sie entsprechende Informationen im Internet unter **[www.dlinkgreen.com](http://www.dlinkgreen.com)**.

## FRANÇAIS

FR



Ce symbole apposé sur le produit ou son emballage signifie que, conformément aux lois et réglementations locales, ce produit ne doit pas être éliminé avec les déchets domestiques mais recyclé. Veuillez le rapporter à un point de collecte prévu à cet effet par les autorités locales; certains accepteront vos produits gratuitement. En recyclant le produit et son emballage de cette manière, vous aidez à préserver l'environnement et à protéger la santé de l'homme.

## D-Link et l'environnement

Chez D-Link, nous sommes conscients de l'impact de nos opérations et produits sur l'environnement et nous engageons à le réduire. Pour limiter cet impact, D-Link conçoit et fabrique ses produits de manière aussi écologique que possible, en utilisant des matériaux recyclables et faiblement toxiques, tant dans ses produits que ses emballages.

D-Link recommande de toujours éteindre ou débrancher vos produits D-Link lorsque vous ne les utilisez pas. Vous réaliserez ainsi des économies d'énergie et réduirez vos émissions de CO2.

Pour en savoir plus sur les produits et emballages respectueux de l'environnement, veuillez consulter le **[www.dlinkgreen.com](http://www.dlinkgreen.com)**.

**ESPAÑOL****ES**

Este símbolo en el producto o el embalaje significa que, de acuerdo con la legislación y la normativa local, este producto no se debe desechar en la basura doméstica sino que se debe reciclar. Llévelo a un punto de recogida designado por las autoridades locales una vez que ha llegado al fin de su vida útil; algunos de ellos aceptan recogerlos de forma gratuita. Al reciclar el producto y su embalaje de esta forma, contribuye a preservar el medio ambiente y a proteger la salud de los seres humanos.

**D-Link y el medio ambiente**

En D-Link, comprendemos y estamos comprometidos con la reducción del impacto que puedan tener nuestras actividades y nuestros productos en el medio ambiente. Para reducir este impacto, D-Link diseña y fabrica sus productos para que sean lo más ecológicos posible, utilizando materiales reciclables y de baja toxicidad tanto en los productos como en el embalaje.

D-Link recomienda apagar o desenchufar los productos D-Link cuando no se estén utilizando. Al hacerlo, contribuirá a ahorrar energía y a reducir las emisiones de CO2.

Para obtener más información acerca de nuestros productos y embalajes ecológicos, visite el sitio [www.dlinkgreen.com](http://www.dlinkgreen.com).

**ITALIANO****IT**

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## D-Link e l'ambiente

D-Link cerca da sempre di ridurre l'impatto ambientale dei propri stabilimenti e dei propri prodotti. Allo scopo di ridurre al minimo tale impatto, D-Link progetta e realizza i propri prodotti in modo che rispettino il più possibile l'ambiente, utilizzando materiali riciclabili a basso tasso di tossicità sia per i prodotti che per gli imballaggi.

D-Link raccomanda di spegnere sempre i prodotti D-Link o di scollegarne la spina quando non vengono utilizzati. In questo modo si contribuirà a risparmiare energia e a ridurre le emissioni di anidride carbonica.

Per ulteriori informazioni sui prodotti e sugli imballaggi D-Link a ridotto impatto ambientale, visitate il sito all'indirizzo [www.dlinkgreen.com](http://www.dlinkgreen.com).

## NEDERLANDS

NL



Dit symbool op het product of de verpakking betekent dat dit product volgens de plaatselijke wetgeving niet mag worden weggegooid met het huishoudelijk afval, maar voor recyclage moeten worden ingeleverd. Zodra het product het einde van de levensduur heeft bereikt, dient u het naar een inzamelpunt te brengen dat hiertoe werd aangeduid door uw plaatselijke autoriteiten, sommige autoriteiten accepteren producten zonder dat u hiervoor dient te betalen. Door het product en de verpakking op deze manier te recyclen helpt u het milieu en de gezondheid van de mens te beschermen.

## D-Link en het milieu

Bij D-Link spannen we ons in om de impact van onze handelingen en producten op het milieu te beperken. Om deze impact te beperken, ontwerpt en bouwt D-Link zijn producten zo milieuvriendelijk mogelijk, door het gebruik van recycleerbare producten met lage toxiciteit in product en verpakking.

D-Link raadt aan om steeds uw D-Link producten uit te schakelen of uit de stekker te halen wanneer u ze niet gebruikt. Door dit te doen bespaart u energie en beperkt u de CO2-emissies.

Breng een bezoek aan [www.dlinkgreen.com](http://www.dlinkgreen.com) voor meer informatie over onze milieuverantwoorde producten en verpakkingen.

**POLSKI****PL**

Ten symbol umieszczony na produkcie lub opakowaniu oznacza, że zgodnie z miejscowym prawem i lokalnymi przepisami niniejszego produktu nie wolno wyrzucać jak odpady czy śmieci z gospodarstwa domowego, lecz należy go poddać procesowi recyklingu. Po zakończeniu użytkowania produktu, niektóre odpowiednie do tego celu podmioty przyjmą takie produkty nieodpłatnie, dlatego prosimy dostarczyć go do punktu zbiórki wskazanego przez lokalne władze. Poprzez proces recyklingu i dzięki takiemu postępowaniu z produktem oraz jego opakowaniem, pomogą Państwo chronić środowisko naturalne i dbać o ludzkie zdrowie.

**D-Link i środowisko**

D-Link podchodzimy w sposób świadomy do ochrony otoczenia oraz jesteśmy zaangażowani w zmniejszanie wpływu naszych działań i produktów na środowisko naturalne. W celu zminimalizowania takiego wpływu firma D-Link konstruuje i wytwarza swoje produkty w taki sposób, aby były one jak najbardziej przyjazne środowisku, stosując do tych celów materiały nadające się do powtórnego wykorzystania, charakteryzujące się małą toksycznością zarówno w przypadku samych produktów jak i opakowań.

Firma D-Link zaleca, aby Państwo zawsze prawidłowo wyłączali z użytku swoje produkty D-Link, gdy nie są one wykorzystywane. Postępując w ten sposób pozwalają Państwo oszczędzać energię i zmniejszać emisję CO<sub>2</sub>.

Aby dowiedzieć się więcej na temat produktów i opakowań mających wpływ na środowisko prosimy zapoznać się ze stroną internetową **[www.dlinkgreen.com](http://www.dlinkgreen.com)**.

**ČESKY****CZ**

Tento symbol na výrobku nebo jeho obalu znamená, že podle místně platných předpisů se výrobek nesmí vyhazovat do komunálního odpadu, ale odeslat k recyklaci. Až výrobek doslouží, odnese jej prosím na sběrné místo určené místními úřady k tomuto účelu. Některá sběrná místa přijímají výrobky zdarma. Recyklací výrobku i obalu pomáháte chránit životní prostředí i lidské zdraví.



## D-Link a životní prostředí

Ve společnosti D-Link jsme si vědomi vlivu našich provozů a výrobků na životní prostředí a snažíme se o minimalizaci těchto vlivů. Proto své výrobky navrhujeme a vyrábíme tak, aby byly co nejekologičtější, a ve výrobcích i obalech používáme recyklovatelné a nízkotoxické materiály.

Společnost D-Link doporučuje, abyste své výrobky značky D-Link vypnuli nebo vytáhli ze zásuvky vždy, když je nepoužíváte. Pomůžete tak šetřit energii a snížit emise CO<sub>2</sub>.

Více informací o našich ekologických výrobcích a obalech najdete na adrese [www.dlinkgreen.com](http://www.dlinkgreen.com).

## MAGYAR

HU



Ez a szimbólum a terméken vagy a csomagoláson azt jelenti, hogy a helyi törvényeknek és szabályoknak megfelelően ez a termék nem semmisíthető meg a háztartási hulladékkal együtt, hanem újrahasznosításra kell küldeni. Kérjük, hogy a termék élettartamának elteltét követően vigye azt a helyi hatóság által kijelölt gyűjtőhelyre. A termékek egyes helyeken ingyen elhelyezhetők. A termék és a csomagolás újrahasznosításával segíti védeni a környezetet és az emberek egészségét.

## A D-Link és a környezet

A D-Linknél megértjük és elköteleztük magunkat a műveleteink és termékeink környezetre gyakorolt hatásainak csökkentésére. Az ezen hatás csökkentése érdekében a D-Link a lehető leginkább környezetbarát termékeket tervez és gyárt azért, hogy újrahasznosítható, alacsony károsanyag-tartalmú termékeket gyárt és csomagolásokat alkalmaz.

A D-Link azt javasolja, hogy mindig kapcsolja ki vagy húzza ki a D-Link termékeket a tápforrásból, ha nem használja azokat. Ezzel segít az energia megtakarításában és a széndioxid kibocsátásának csökkentésében.

Környezetbarát termékeinkről és csomagolásainkról további információkat a [www.dlinkgreen.com](http://www.dlinkgreen.com) weboldalon tudhat meg.

**NORSK****NO**

Dette symbolet på produktet eller forpakningen betyr at dette produktet ifølge lokale lover og forskrifter ikke skal kastes sammen med husholdningsavfall, men leveres inn til gjenvinning. Vennligst ta det til et innsamlingssted anvist av lokale myndigheter når det er kommet til slutten av levetiden. Noen steder aksepteres produkter uten avgift. Ved på denne måten å gjenvinne produktet og forpakningen hjelper du å verne miljøet og beskytte folks helse.

**D-Link og miljøet**

Hos D-Link forstår vi oss på og er forpliktet til å minske innvirkningen som vår drift og våre produkter kan ha på miljøet. For å minimalisere denne innvirkningen designer og lager D-Link produkter som er så miljøvennlig som mulig, ved å bruke resirkulerbare, lav-toksiske materialer både i produktene og forpakningen.

D-Link anbefaler at du alltid slår av eller frakobler D-Link-produkter når de ikke er i bruk. Ved å gjøre dette hjelper du å spare energi og å redusere CO2-utslipp.

For mer informasjon angående våre miljøansvarlige produkter og forpakninger kan du gå til **[www.dlinkgreen.com](http://www.dlinkgreen.com)**.

**DANSK****DK**

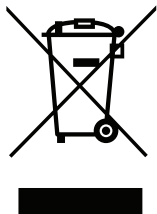
Dette symbol på produktet eller emballagen betyder, at dette produkt i henhold til lokale love og regler ikke må bortskaffes som husholdningsaffald, mens skal sendes til genbrug. Indlever produktet til et indsamlingssted som angivet af de lokale myndigheder, når det er nået til slutningen af dets levetid. I nogle tilfælde vil produktet blive modtaget gratis. Ved at indlevere produktet og dets emballage til genbrug på denne måde bidrager du til at beskytte miljøet og den menneskelige sundhed.

**D-Link og miljøet**

Hos D-Link forstår vi og bestræber os på at reducere enhver indvirkning, som vores aktiviteter og produkter kan have på miljøet. For at minimere denne indvirkning designer og producerer D-Link sine produkter, så de er så miljøvenlige som muligt, ved at bruge genanvendelige materialer med lavt giftighedsniveau i både produkter og emballage.

D-Link anbefaler, at du altid slukker eller frakobler dine D-Link-produkter, når de ikke er i brug. Ved at gøre det bidrager du til at spare energi og reducere CO2-udledningerne.

Du kan finde flere oplysninger om vores miljømæssigt ansvarlige produkter og emballage på **[www.dlinkgreen.com](http://www.dlinkgreen.com)**.

**SUOMI****FI**

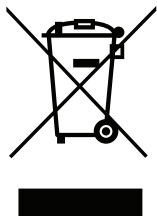
Tämä symboli tuotteen pakkauksessa tarkoittaa, että paikallisten lakien ja säännösten mukaisesti tätä tuotetta ei pidä hävittää yleisen kotitalousjätteen seassa vaan se tulee toimittaa kierrätettäväksi. Kun tuote on elinkaarensa päässä, toimita se lähimpään viranomaisten hyväksymään kierrätyspisteeseen. Kierrättämällä käytetyn tuotteen ja sen pakkauksen autat tukemaan sekä ympäristön että ihmisten terveyttä ja hyvinvointia.

**D-Link ja ympäristö**

D-Link ymmärtää ympäristönsuojelun tärkeyden ja on sitoutunut vähentämään tuotteistaan ja niiden valmistuksesta ympäristölle mahdollisesti aiheutuvia haittavaikutuksia. Nämä negatiiviset vaikutukset minimoidakseen D-Link suunnittelee ja valmistaa tuotteensa mahdollisimman ympäristöystävällisiksi käyttämällä kierrätettäviä, alhaisia pitoisuuksia haitallisia aineita sisältäviä materiaaleja sekä tuotteissaan että niiden pakkauksissa.

Suosittelimme, että irrotat D-Link-tuotteesi virtalähteestä tai sammutat ne aina, kun ne eivät ole käytössä. Toimimalla näin autat säästämään energiaa ja vähentämään hiilidioksidipäästöjä.

Lue lisää ympäristöystävällisistä D-Link-tuotteista ja pakkauksistamme osoitteesta [www.dlinkgreen.com](http://www.dlinkgreen.com).

**SVENSKA****SE**

Den här symbolen på produkten eller förpackningen betyder att produkten enligt lokala lagar och föreskrifter inte skall kastas i hushållssoporna utan i stället återvinnas. Ta den vid slutet av dess livslängd till en av din lokala myndighet utsedd uppsamlingsplats, vissa accepterar produkter utan kostnad. Genom att på detta sätt återvinna produkten och förpackningen hjälper du till att bevara miljön och skydda människors hälsa.

## D-Link och miljö

På D-Link förstår vi och är fast beslutna att minska den påverkan våra verksamheter och produkter kan ha på miljön. För att minska denna påverkan utformar och bygger D-Link sina produkter för att de ska vara så miljövänliga som möjligt, genom att använda återvinningsbara material med låg gifthalt i både produkter och förpackningar.

D-Link rekommenderar att du alltid stänger av eller kopplar ur dina D-Link produkter när du inte använder dem. Genom att göra detta hjälper du till att spara energi och minska utsläpp av koldioxid.

För mer information om våra miljöansvariga produkter och förpackningar [www.dlinkgreen.com](http://www.dlinkgreen.com).

## PORTUGUÊS

PT



Este símbolo no produto ou embalagem significa que, de acordo com as leis e regulamentações locais, este produto não deverá ser eliminado juntamente com o lixo doméstico mas enviado para a reciclagem. Transporte-o para um ponto de recolha designado pelas suas autoridades locais quando este tiver atingido o fim da sua vida útil, alguns destes pontos aceitam produtos gratuitamente. Ao reciclar o produto e respectiva embalagem desta forma, ajuda a preservar o ambiente e protege a saúde humana.

## A D-Link e o ambiente

Na D-Link compreendemos e comprometemo-nos com a redução do impacto que as nossas operações e produtos possam ter no ambiente. Para minimizar este impacto a D-Link concebe e constrói os seus produtos para que estes sejam o mais inofensivos para o ambiente possível, utilizando materiais recicláveis e não tóxicos tanto nos produtos como nas embalagens.

A D-Link recomenda que desligue os seus produtos D-Link quando estes não se encontrarem em utilização. Com esta acção ajudará a poupar energia e reduzir as emissões de CO<sub>2</sub>.

Para saber mais sobre os nossos produtos e embalagens responsáveis a nível ambiental visite [www.dlinkgreen.com](http://www.dlinkgreen.com).