



User Manual

4G/LTE Mobile Router

DWR-932C

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	June 17, 2021	• Initial release

Trademarks

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

Copyright © 2021 by D-Link Corporation, Inc.

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

Table of Contents

Product Overview	1	Wi-Fi Status	17
Package Contents.....	1	If you selected Basic Protection:.....	18
System Requirements	2	Admin Settings	19
Introduction	3	Date & Time	19
Hardware Overview	4	Admin Settings.....	19
Overview.....	4	Apply Settings.....	21
Battery Cover Removed.....	5	Internet Settings	22
LED Indicators	6	Network Status	22
Installation	7	APN Settings.....	23
Initial Setup.....	7	APN Mode.....	24
Wireless Installation Considerations.....	8	Connection Mode Settings	25
Configuration	9	Cellular Settings	25
Initial Connection to the Router	9	SIM Card PIN Lock Settings	26
Connect via USB.....	9	My Operator (PLMN).....	27
USB Tethering Driver Installation.....	9	Operator Mode (PLMN)	27
Connect via Wi-Fi	10	Available Operators	28
Web-based Configuration	12	Wi-Fi Settings	29
Configuration Utility	12	Wi-Fi Status	29
Navigation.....	13	Basic Settings/Wi-Fi Security Settings.....	30
Quick Access.....	14	Wi-Fi 2.4 GHz SSID	30
Network Setup.....	15	If you selected Advanced Protection:.....	30
Setup Wizard	15	If you selected Basic Protection:.....	31
APN For LTE/3G.....	16	Advanced Settings	32
Connection Settings	16	Wi-Fi 2.4 GHz.....	32
Wi-Fi 2.4 GHz Access Name	17	Wi-Fi WPS	33
		Wi-Fi Clients	34

Settings35

 Router LAN Settings35

 LAN Setting35

 DHCP Settings.....36

 DHCP Service.....37

 MAC Filter38

 MAC Filter Settings.....38

 Firewall Settings.....39

 Firewall Settings.....39

 IP Filter41

 Add IP Filter.....42

 Port Forwarding43

 Add Port Forwarding44

 Advanced Options.....45

 UPnP45

 Power Saving.....46

System47

 System Information47

 About DWR-932C.....47

 Admin Settings48

 Account48

 Language.....49

 Date & Time.....50

 Settings Profile.....52

 Export Profiles.....52

 Import.....53

 Reset and Reboot.....54

 Firmware Upgrade.....55

SMS56

Short Messages56

USSD.....59

Connecting to a Wireless Network 60

 Using Windows 1060

 Using Windows 862

 Using Windows 764

 Configuring Wireless Encryption66

 Using Windows Vista™69

 Configuring Wireless Encryption70

 Using Windows® XP72

Troubleshooting 73

Networking Basics 75

 Check your IP address.....75

 Statically Assign an IP address76

Technical Specifications 77

 1 Supported frequency band is dependent upon regional hardware version.....77

 2 Data rates are theoretical. Data transfer rate depends on network capacity, signal strength, and other factors.....77

 Contact information:95

 D-Link.....95

 Brett Adair.....95

 TEL: (714) 885-6000.....95

 Address: 14420 Myford Road, Suite 100, Irvine, CA 92606.....95

 E-mail: brett.adair@dlink.com95

Product Overview

Package Contents



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



USB Cable

If any of the above items are missing or damaged, please contact your reseller.

EU Battery & WEEE Directives Disposal and Recycling

This product may contain a battery. Recycle or dispose of batteries in accordance with the battery manufacturer's instructions and local/national disposal and recycling regulations. For more information, please refer to the warranty guide.

ErP Power Usage

This device is an Energy Related Product (ErP) that automatically switches to a power-saving Network Standby mode within 1 minute of no packets being transmitted. If it is not needed during certain periods of time, it can be unplugged to save energy.

Network Standby: 3.5 watts

System Requirements

Network Requirements	<ul style="list-style-type: none">• A compatible mini-SIM/UICC card with mobile data service¹
Web-based Configuration Utility Requirements	<p>Computer with the following:</p> <ul style="list-style-type: none">• Windows®, Macintosh, or Linux-based operating system <p>Browser Requirements:</p> <ul style="list-style-type: none">• Internet Explorer 9 or higher• Firefox 12 or higher• Safari 4 or higher• Chrome 20 or higher <p>Windows® Users: Make sure you have the latest version of Java installed. Visit www.java.com to download the latest version.</p>

¹ Subject to services and service terms available from your carrier.

Introduction

The D-Link DWR-932C 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-932C 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 Mbps¹. 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-932C.

Mobile Internet for All of Your Devices

With the DWR-932C, you can get online with your notebook, smartphone, tablet, or any other wireless device using a single mobile connection. The DWR-932C 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-932C is truly plug-and-play, with drivers already on the router, so you can connect without needing to install anything. Open a browser, connect to 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 without any configuration, meaning that you can share your mobile Internet connection without even needing a computer.

Designed for True Portability

The DWR-932C 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.

¹ 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

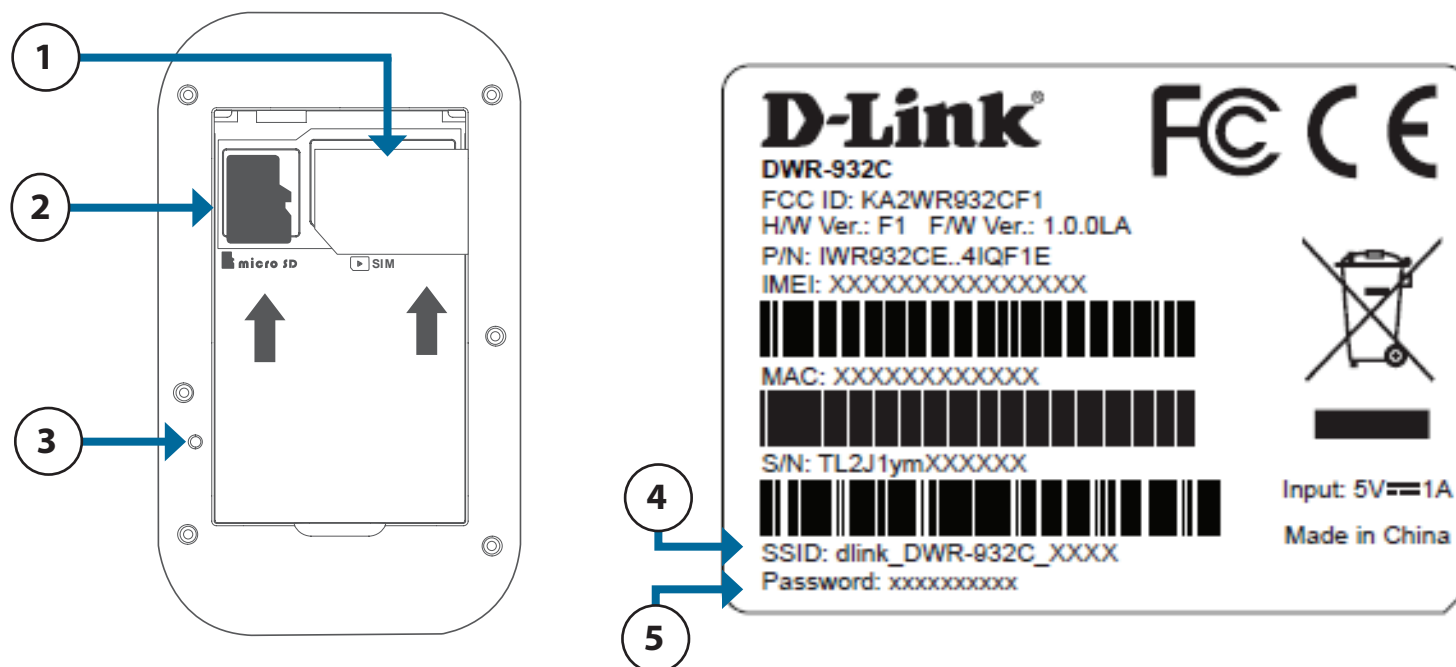
Overview



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

Hardware Overview

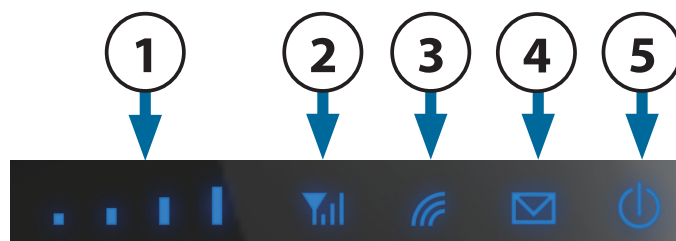
Battery Cover Removed



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

Hardware Overview

LED Indicators



Number	Name	Explanation	
1	Signal Strength	Indicates signal strength. More bars indicates a stronger signal. No bars indicates no signal.	
2	Mobile Signal Type	Solid Blue	Internet connection over LTE.
		Blinking Blue	Registered on an LTE network but not yet connected.
		Solid Green	Internet connection over 3G.
		Blinking Green	Registered on a 3G network but not yet connected.
		Solid Purple	Internet connection over 2G.
		Flashing Purple	Registered on a 2G network but not yet connected.
3	SMS Inbox	Red	No Service/Device Error.
		Blinking Blue	New SMS message.
4	Wi-Fi Indicator	Solid Blue	Wi-Fi Active.
		Blinking Blue	Active Link.
		Fast Blinking Blue	WPS pairing in progress.
5	Power Indicator	Green	Power-on in progress.
		Blue	Fully charged or normal operation with battery about 60%.
		Blinking Amber	Charging.
		Solid Amber	Battery between 60% and 15%.
		Blinking Red	Battery less than 15%.

Installation

This section will guide you through the installation process.

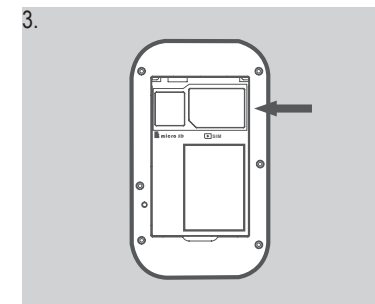
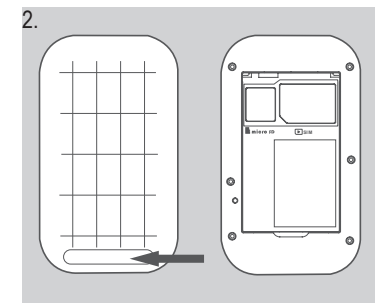
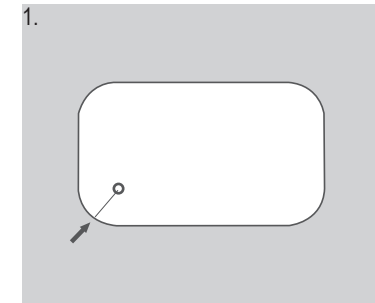
Initial Setup

1. Remove the battery cover on the back of the device by gently prying it up from the case using the corner notch, then remove the battery.
2. Note the SSID (network name) and password on the label on the battery cover. If you want to connect to the DWR-932C wirelessly, you will need to enter this SSID and password.
3. Slide the SIM card frame to the right and lift up. Insert the SIM/UICC card into the SIM/UICC card slot as shown, ensuring the gold contacts are facing down. Replace the frame and slide it left to lock it in position.

Note: *If you wish to use the onboard storage functionality, you may install a microSD at this time.*

4. Reinsert the battery and replace the battery cover.
5. Connect the Micro USB end of the USB cable to the Micro USB port on the bottom of the DWR-932C and plug the other end into the USB port of the power adapter (not included) or PC to charge the battery.
6. Press and hold the power button for three seconds to turn on the device. Once the power LED changes from green to solid blue or amber, you may proceed with configuration.

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.*



Wireless Installation Considerations

The DWR-932C 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 1 to 30 meters (3 to 90 feet).
2. Be aware of the direct line between network devices. A wall that is 0.5 meters (1.5 feet thick) appears to be almost 1 meter (3 feet) thick at a 45-degree angle. At a 2-degree angle it appears over 14 meters (42 feet) 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

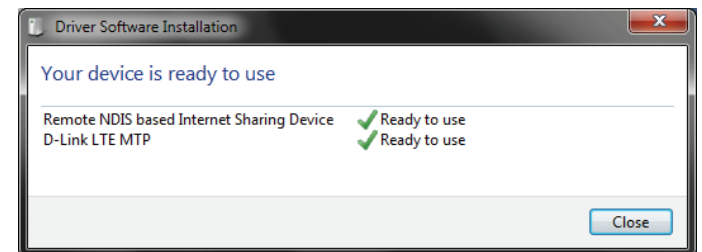
By default, the DWR-932C comes configured to work with most 4G SIM cards. Simply connect to it via Wi-Fi or use the included USB to access the SIM's Internet connection. If you wish to configure the router, you will need to establish a direct connection with the router in order to access the web-based configuration utility. For information please refer to **Connect via Wi-Fi on page 10**. 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-932C into your computer, any necessary drivers will immediately install. Your version of Windows may prompt you to confirm the driver installation.



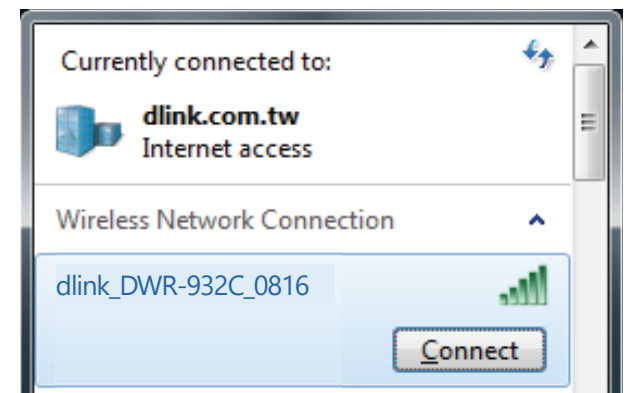
Connect via Wi-Fi

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-932C will be in the format **dlink_DWR-932C_XXXX**, where "XXXX" represents the last four characters of the DWR-932C's MAC address. The default SSID and password can also be found on the product label attached to the battery cover. For more information on where to find this label refer to **Hardware Overview** on page 4.

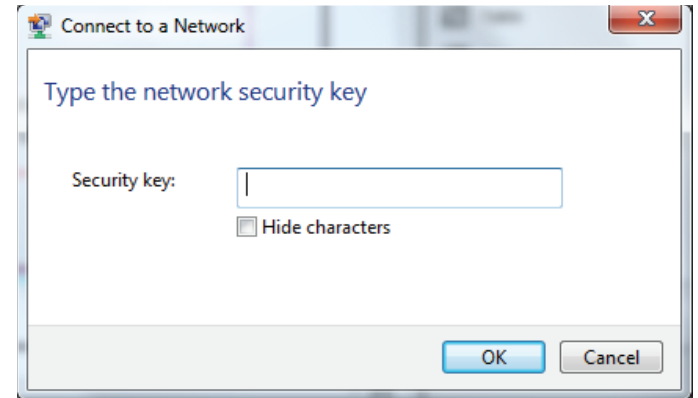


Once you have located your DWR-932C's wireless network, select it and click **Connect**.



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 60.



Web-based Configuration

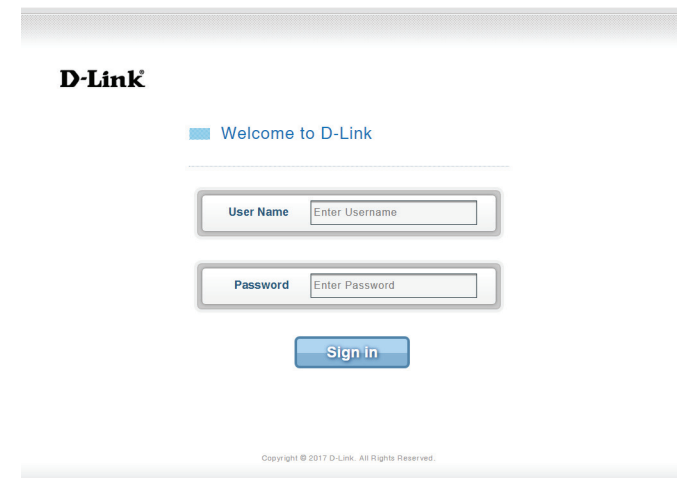
To access the configuration utility, open a web browser (such as Internet Explorer) and enter the IP address of the router, which is **192.168.0.1** by default in the address bar.



Configuration Utility

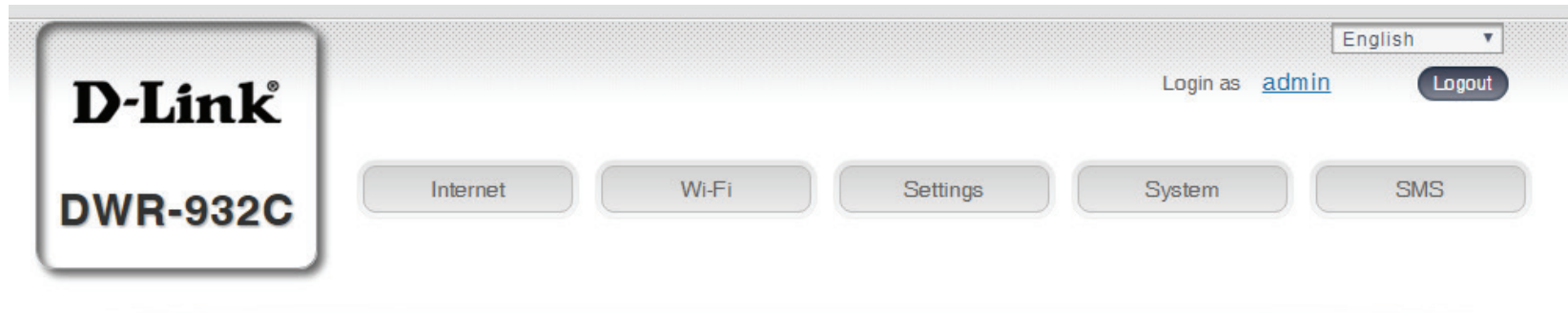
Once you have reached the configuration utility through your web browser, you will need to log in. Enter **admin** as the username, and then enter the password. By default, the password should be left blank.

Click **Sign in** to continue.



Navigation

On the home page of the interface, you will find a menu bar at the top of the page which includes tabs for easy navigation.



- Internet** The **Internet** tab allows you to configure your Internet settings, including details about your mobile operator.
- Wi-Fi** The **Wi-Fi** tab allows you to configure your Wi-Fi network, as well as add new devices using WPS.
- Settings** The **Settings** tab allows you to configure firewall and security settings.
- System** The **System** tab allows you to view system information, change your login information, and upgrade the firmware.
- SMS** From the **SMS** tab, you can sent and receive SMS text messages, as well as USSD (Unstructured Supplementary Service Data) codes, sometimes called “Quick Codes” or “Feature Codes.”

Quick Access

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

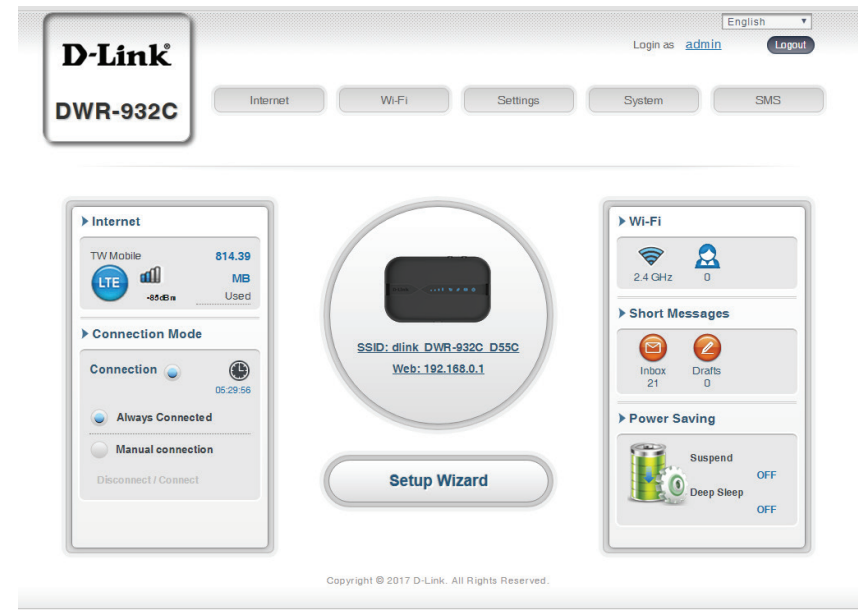
Internet This area displays your Internet provider, the type of Internet service you are using, signal strength, and your current data usage.

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 via Wi-Fi.

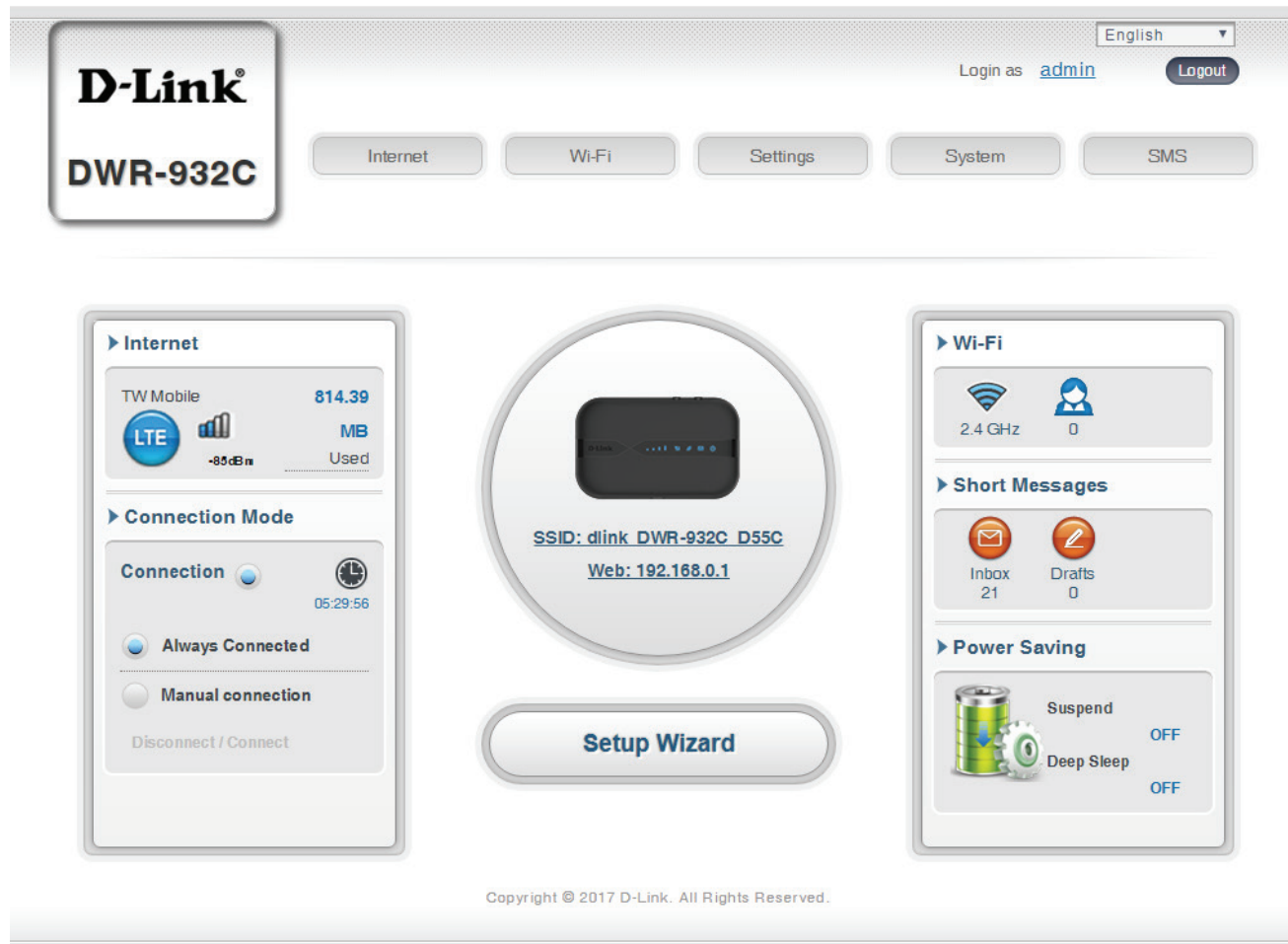
Short Messaging This area displays the number of SMS messages in your inbox and your draft messages.

Power Saving This area displays whether power saving features have been enabled, such as suspend 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 operator, you may have to input additional settings before use. If so, please contact your service provider for this information.

APN For LTE/3G

APN Selection Mode Choose to either automatically or manually select an APN (Access Point Name).

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 an APN.

Auto (PAP & CHAP) Detect the correct combination of authentication. 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, which help protect your network 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 best speeds and maximum security.

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.

The screenshot shows the 'Setup Wizard' window with four steps: 1 Connection Settings, 2 Wi-Fi Status (selected), 3 Admin Settings, and 4 Apply Settings. The 'Wi-Fi 2.4 GHz Access Name' section contains the following fields:

- Access Name Wi-Fi 2.4 GHz: TN_private_331774
- Encryption Mode: Advanced Protection
- WPA Mode: WPA2
- Cipher Type: AES
- Pre-Shared Key: [Redacted] with a 'New Key' button and a 'Show Characters' checkbox.

At the bottom right, there are 'Previous' and 'Next' buttons.

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. Once you have entered a passphrase, click **Generate** to create keys automatically, or enter them manually below.

Key 1-4: You can predetermine up to 4 WEP keys. Select the WEP key you wish to use by clicking on the radial buttons next to the keys. Select whether you wish to use **64 bit** or **128 bit** characters in your key using the slider menu. Enter the desired key in the field provided.

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

The screenshot shows the 'Setup Wizard' window with four steps: 1 Connection Settings, 2 Wi-Fi Settings (active), 3 Admin Settings, and 4 Apply Settings. The 'Wi-Fi Settings' section is expanded to show the WEP configuration options.

Encryption Mode: Basic Protection (dropdown menu)

Authentication Type: Shared

WEP Passphrase: [text input field] [Generate button]

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

[Previous button] [Next button]

Admin Settings

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

Admin Settings

Username Enter your desired username here.

Password Enter your desired password here.

Confirm Password: Re-enter your password to confirm.

Language Select your desired interface 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.

If SNTP is Disabled:

Time Zone Select your current time zone relative to UTC (Coordinated Universal Time).

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.

The image shows two screenshots of the 'Setup Wizard' interface. The top screenshot is the 'Admin Settings' screen, which includes a progress bar with four steps: 1 Connection Settings, 2 Wi-Fi Settings, 3 Admin Settings (highlighted), and 4 Apply Settings. The 'Admin Settings' section contains four input fields: 'Old Password' (masked with dots), 'New Password' (masked with dots), 'Confirm Password' (masked with dots), and 'Language' (a dropdown menu set to 'English'). There are also two 'Show Characters' checkboxes, both of which are unchecked. The bottom screenshot is the 'Date & Time' screen. It features a 'SNTP' toggle switch that is currently turned off. Below it is a 'Time Zone' dropdown menu set to 'UTC+8'. The 'Date & Time' section has a digital clock display with dials for MM (08), DD (25), YYYY (2017), HH (03), MM (16), and AM/PM (PM). Below the dials is a 'Selected Date and Time' field displaying '2017-08-25 03:16 PM'. At the bottom right of the screen are 'Previous' and 'Next' buttons.

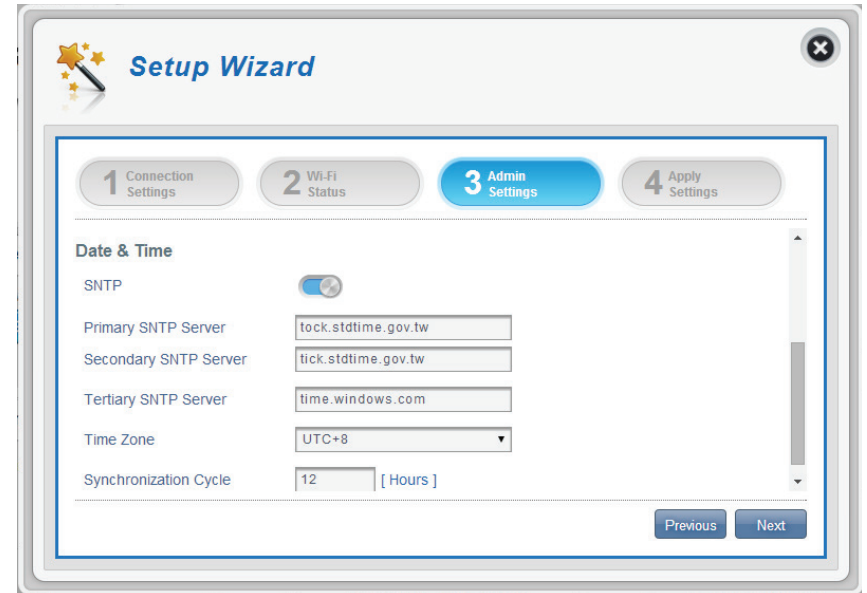
If SNTP is Enabled:

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 Select your current time zone relative to UTC (Coordinated Universal Time).

Synchronization Cycle You can specify in hours how frequently the DWR-932C will synchronize with the SNTP server.

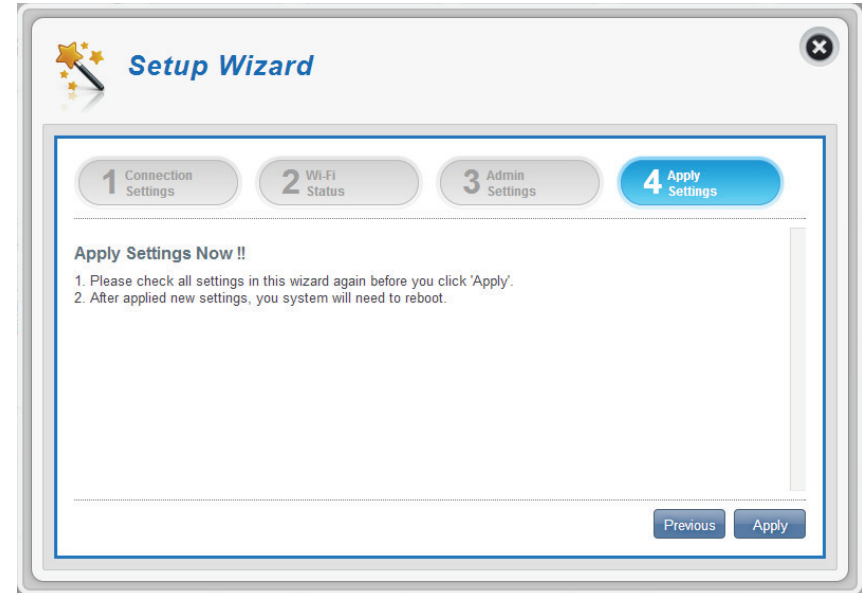
Click **Next** to move to the next section.



Apply Settings

Check all settings in the wizard and click **Apply**. After applying your settings, your router will need to reboot.

Click **Apply** to save changes.



Internet Settings

Network Status

In this section you can check your current network status as well as your network 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 LTE.

Connection Time The length of time you have been connected to the network.

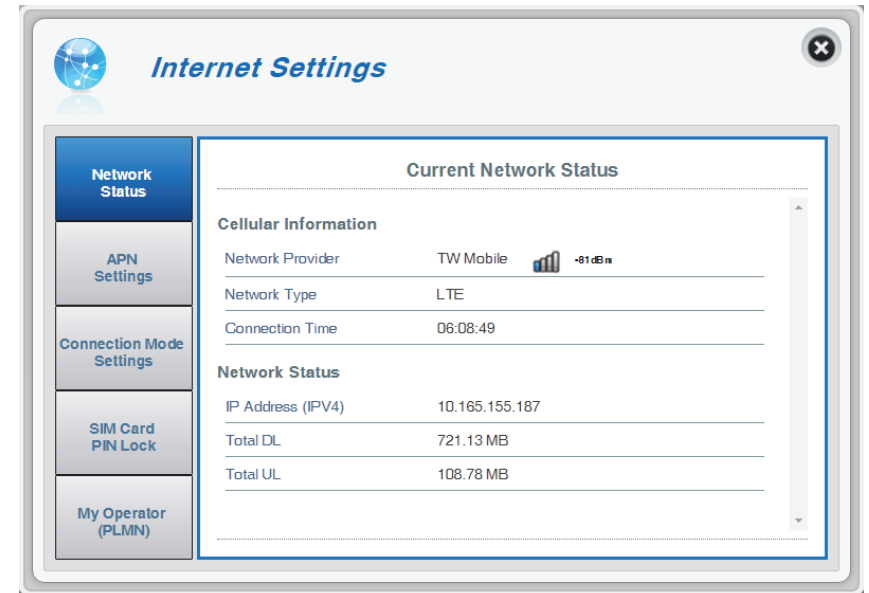
Network Status

IP Address (IPv4) Displays your current IP address.

Total DL Displays the total amount of downloaded data.

Total UL Displays the total amount of uploaded data.

Note: These counters may be reset when the battery or SIM card is removed.



APN Settings

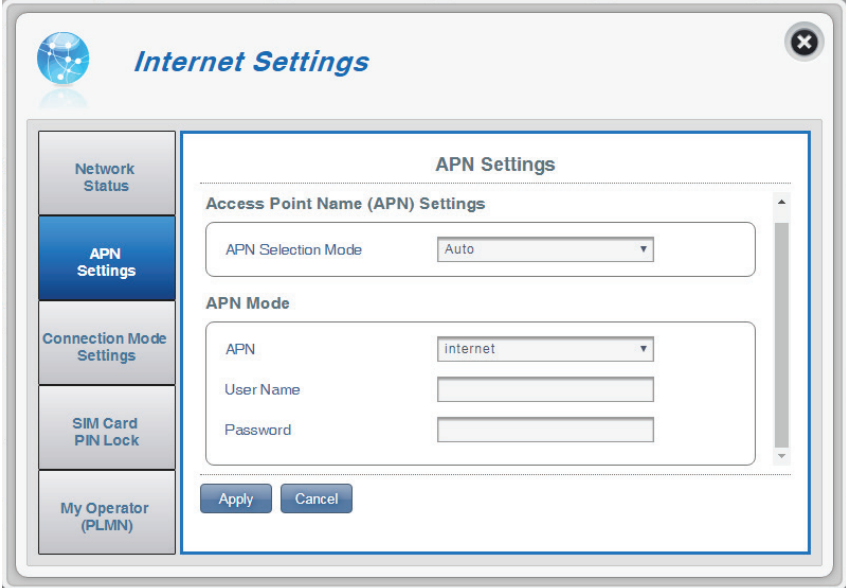
In this section you can configure your Access Point Name (APN) settings. Depending on your mobile service provider, you may have to input optional settings before use. If so, you may need to contact your service provider regarding these details.

Access Point Name (APN) Settings

APN Selection Mode **Auto** - Select this option if you want the DWR-932C 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), 'Connection Mode Settings', 'SIM Card PIN Lock', and 'My Operator (PLMN)'. The main area is titled 'APN Settings' and contains two sections: 'Access Point Name (APN) Settings' with a dropdown for 'APN Selection Mode' set to 'Auto', and 'APN Mode' with a dropdown for 'APN' set to 'Internet', and input fields for 'User Name' and 'Password'. 'Apply' and 'Cancel' buttons are at the bottom.

If you choose to manually select your APN:

APN Mode

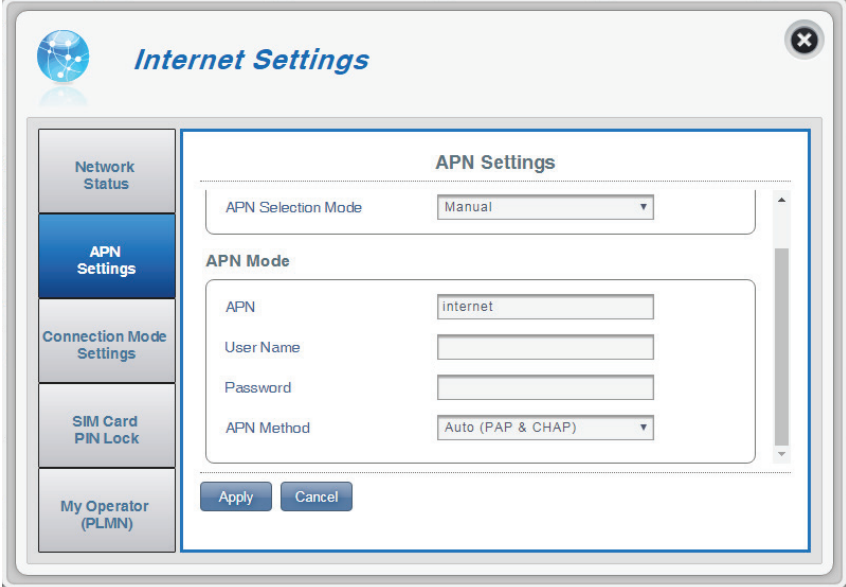
APN If you are already connected to a mobile network, your ISP will provide the necessary APN which you can select from the drop down list. If no options are available, use the manual configuration on the previous page.

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 16.

Click **Apply** to save changes.



The screenshot shows the 'Internet Settings' dialog box with the 'APN Settings' section selected in the left-hand menu. The 'APN Settings' section contains the following fields:

- APN Selection Mode:** A dropdown menu set to 'Manual'.
- APN Mode:** A section containing:
 - APN:** A text input field containing 'internet'.
 - User Name:** An empty text input field.
 - Password:** An empty text input field.
 - APN Method:** A dropdown menu set to 'Auto (PAP & CHAP)'.

At the bottom of the 'APN Settings' section, there are two buttons: 'Apply' and 'Cancel'.

Connection 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.

LTE mode - Only connects to a LTE mobile network.

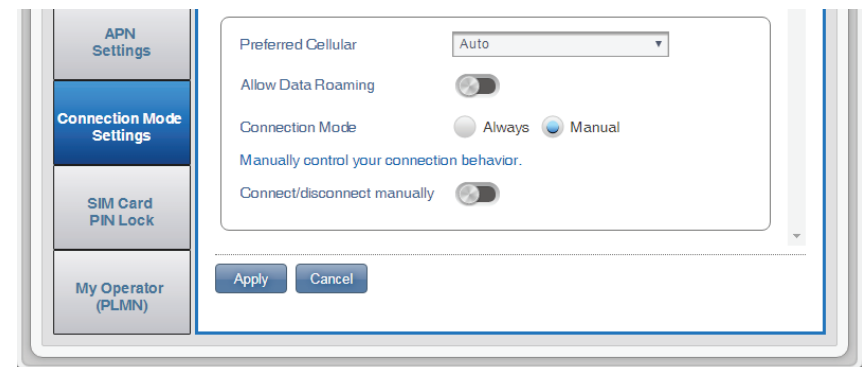
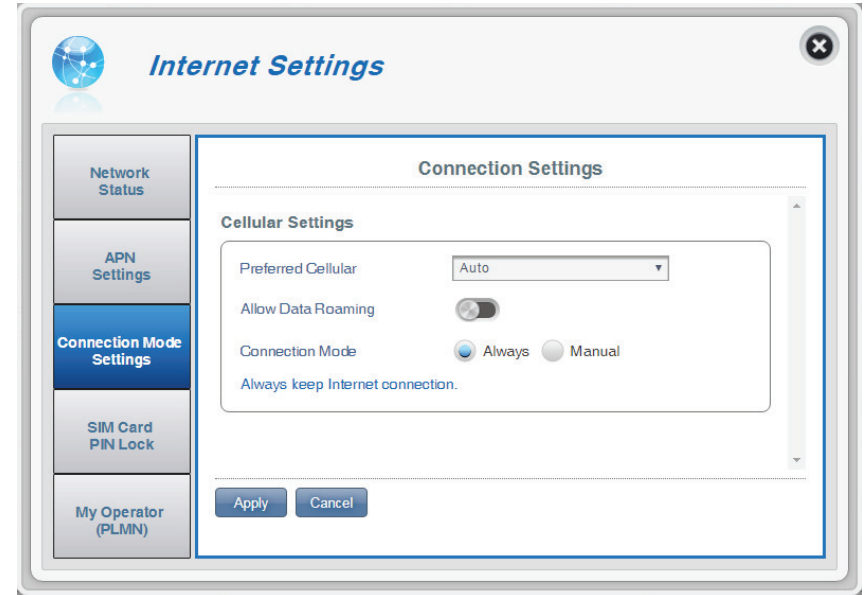
Allow Data Roaming Enabling this if you want to allow data roaming. Data roaming lets you use an Internet connection internationally or outside of you Internet provider's coverage. Enabling this feature may lead to very high data charges. Check with your provider for details.

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 connection.

Click **Apply** to save changes.



SIM Card PIN Lock Settings

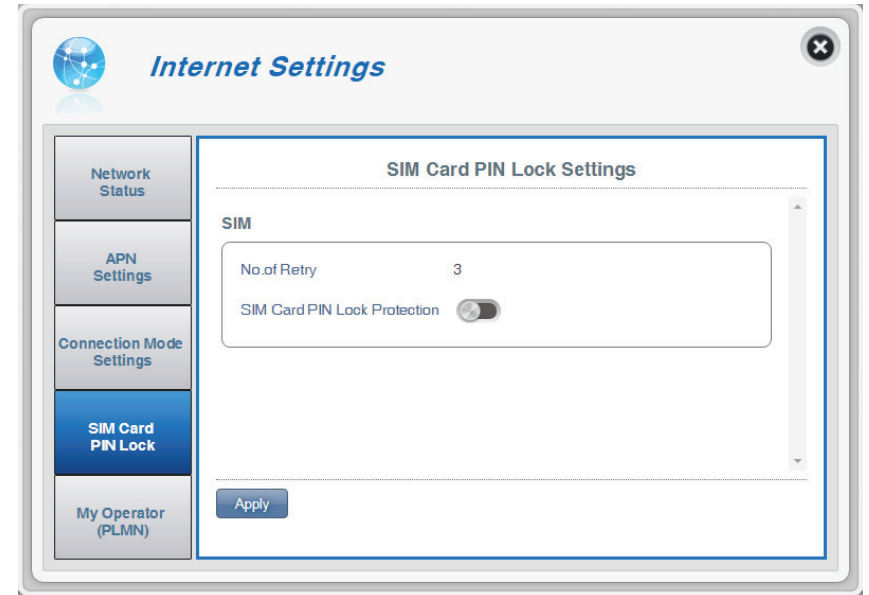
This section allows you to lock the SIM card currently inserted into the DWR-932C.

SIM

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

Note: *If you exceed the number of retries, your SIM card will be locked and can only be unlocked by your operator.*

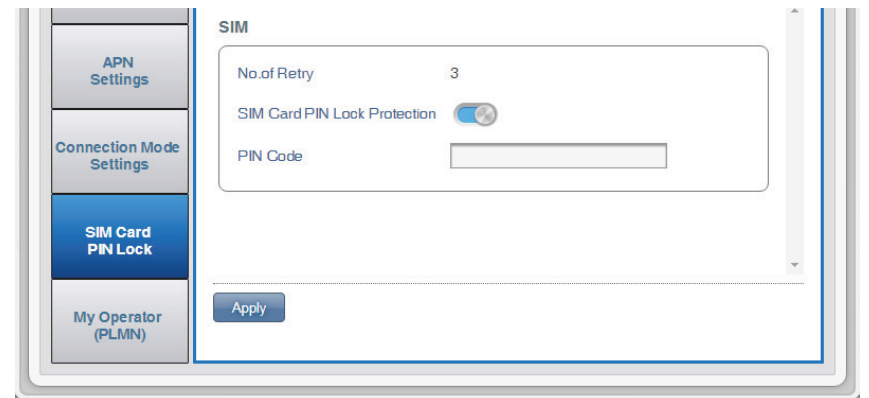
SIM Card PIN Lock Protection Move the toggle to enable **SIM card PIN Lock Protection**. In order to use this function you need to know the PIN of the SIM/UICC card.



If you enabled SIM Card PIN Lock Protection:

PIN Code Enter 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.

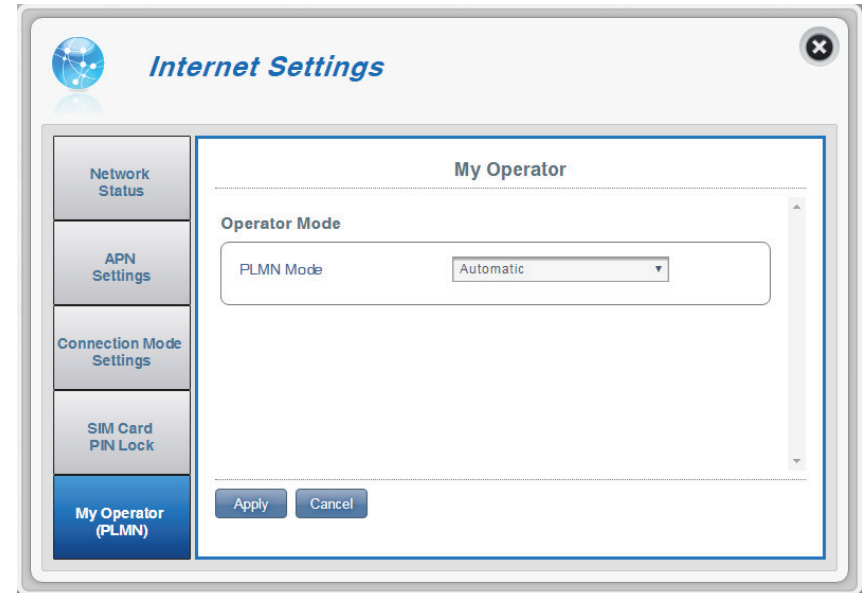
Operator Mode (PLMN)

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

Select **Automatic** to allow the DWR-932C 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.

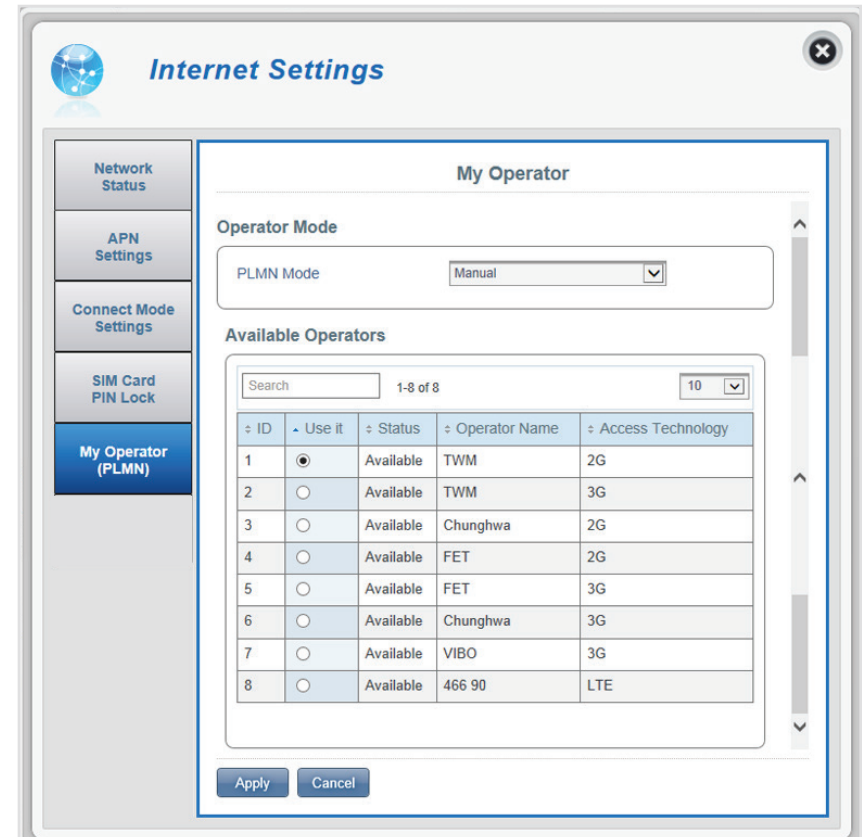
Use it Check the box to select your desired network.

Status The network's current status.

Operator Name The name of the cellular network.

Access Technology The cellular network's access technology.

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 clients 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 DHCP server is enabled.

IP Address Your router's IP address.

Subnet Your router's subnet mask.

MAC Address Your router's MAC address.

The screenshot shows the 'Wi-Fi Settings' interface. On the left is a navigation menu with 'Wi-Fi State' selected. The main content area is titled 'Wi-Fi Status' and contains the following information:

General Information

Wi-Fi WPS	ON / PBC
Wi-Fi 2.4 GHz	ON
Current Wi-Fi Clients	1

Wi-Fi Status

Wi-Fi 2.4 GHz

SSID Name	dlink_DWR-932C_xxxx
Encryption	WPA2 - AES
DHCP	ON
IP Address	192.168.0.1
Subnet	255.255.255.0
MAC Address	

Basic Settings/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 number of clients allowed on your network.

Protection By default **Advanced Protection** is selected. You may also select **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.

Note: Use of this cipher type is required in order to achieve 802.11n 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 used authenticate wireless client and encrypt data.

WEP Passphrase: Enter your passphrase to be used when connecting to the router. Once you have entered a passphrase, click **Generate** to create keys automatically, or enter them manually below.

Key 1-4: You can predetermine up to 4 WEP keys. Select the WEP key you wish to use by clicking on the radial buttons next to the keys. Select whether you wish to use **64 bit** or **128 bit** characters in your key using the slider menu. Enter the desired key in the field provided.

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

Wi-Fi Security Settings

Authentication Type: Shared

WEP Passphrase: **Generate**

Default Key	Key Type	Key No	Generated Keys
<input checked="" type="radio"/>	128	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"/>

Apply **Cancel**

Advanced Settings

Wi-Fi 2.4 GHz

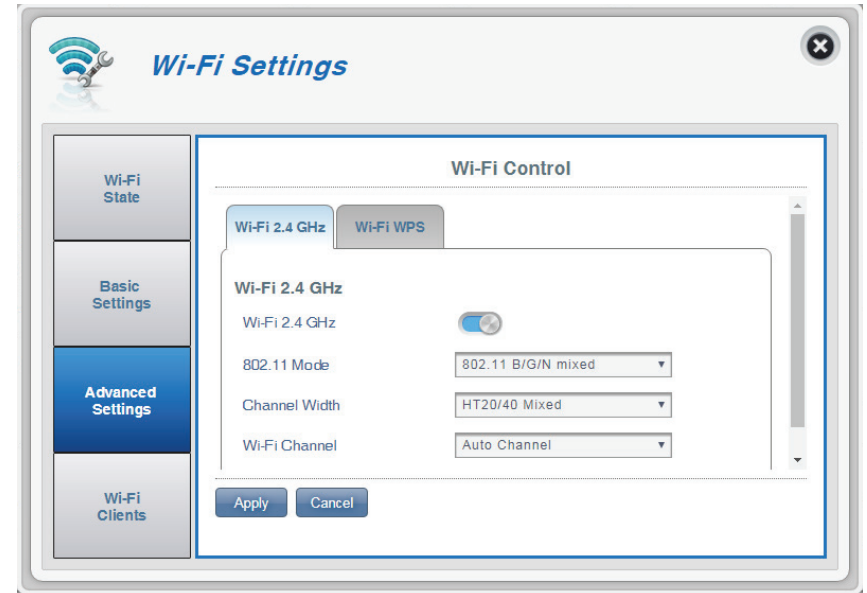
Wi-Fi 2.4 GHz Toggle the switch to enable/disable Wi-Fi functionality on your router.

802.11 Mode The type of Wi-Fi connection currently being accepted by the router. Select **802.11 N Only for best performance** or **802.11 B/G/N Mixed** for broadest compatibility. **B/G/N Mixed** is the default setting.

Channel Width The current channel width being used by your router. A wider 40 Mhz channel may increase performance but could cause interference with other Wi-Fi devices. This router will automatically reduce to 20 Mhz if interference is detected. Choose **HT20** if you have devices that do not support 40 Mhz channels.

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. Note that not all channels are available in all regions. If you cannot see your SSID from your device, try manually setting a low-numbered channel.

Click **Apply** to save changes.



Wi-Fi WPS

PBC Push Button Configuration (PBC) enables you to easily connect your devices to the DWR-932C by pushing a PBC button on both devices. Press your device's PBC button and then click **Start Via PBC**, to begin the WPS process.

Use PIN Mode Move the toggle to enable PIN protection for use with the WPS feature.

Note: *WPS PIN Mode is disabled by default. This mode is less secure and is not recommended. It is retained in this product for compatibility purposes only.*

PIN The PIN is a unique number that can be used to configure your router. Click **Generate New** to generate a new random PIN, or select **Use Default** to restore the factory PIN. Note that if the WPS PIN feature is enabled, using a new PIN is strongly recommended.

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 IP 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 the **MAC Filter on page 38**. If required, you can re-allow access to the client there.*

Click **Apply** to save changes.



Settings

Router LAN Settings

This section provides configuration options for local area network (LAN) settings.

LAN Setting

LAN Setting Displays your current LAN status.

To DHCP Service Setting

The DWR-932C 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-932C, as well as configure its DHCP settings.

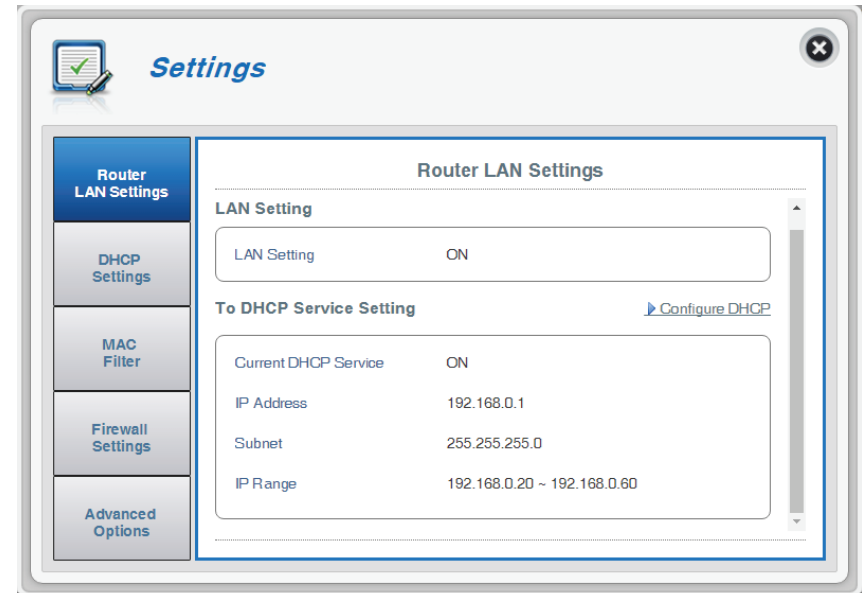
Configure DHCP This button takes you through to DHCP settings where you can configure your IP address and IP range.

Current DHCP Service Shows if the DHCP server is **ON** or **OFF**.

IP Address The router's current IP address.

Subnet The subnet number that your router is using.

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



DHCP Settings

Here you can disable or enable your router's DHCP Service, configure the IP address for the DWR-932C, and set the range of IP addresses assigned by the DHCP server.

DHCP Service

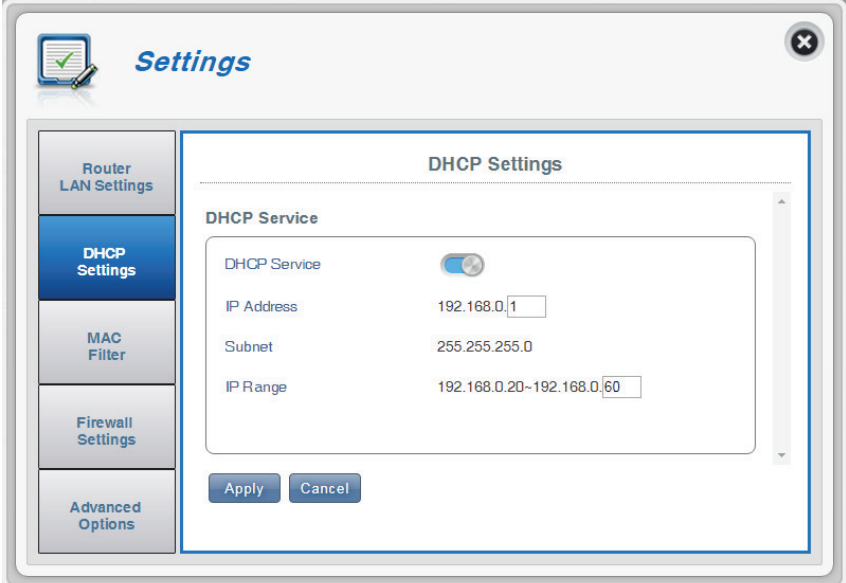
DHCP Service Enable or disable the DHCP Service.

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

Subnet The subnet mask that your router is using.

IP Range Click on the last digits to alter the range of IP addresses assigned by the DHCP server.

Click **Apply** to save changes.



The screenshot shows a web interface window titled "Settings" with a close button in the top right corner. On the left side, there is a vertical navigation menu with five items: "Router LAN Settings", "DHCP Settings" (which is highlighted in blue), "MAC Filter", "Firewall Settings", and "Advanced Options". The main content area is titled "DHCP Settings" and contains the following configuration options:

- DHCP Service:** A toggle switch that is currently turned on (blue).
- IP Address:** A text input field containing "192.168.0.1", with the last digit "1" highlighted.
- Subnet:** A text input field containing "255.255.255.0".
- IP Range:** A text input field containing "192.168.0.20-192.168.0.60", with the last digit "0" highlighted.

At the bottom of the configuration area, there are two buttons: "Apply" and "Cancel".

If you selected **Configure DHCP**:

DHCP Service

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

DHCP Service Enable/disable the DHCP server.

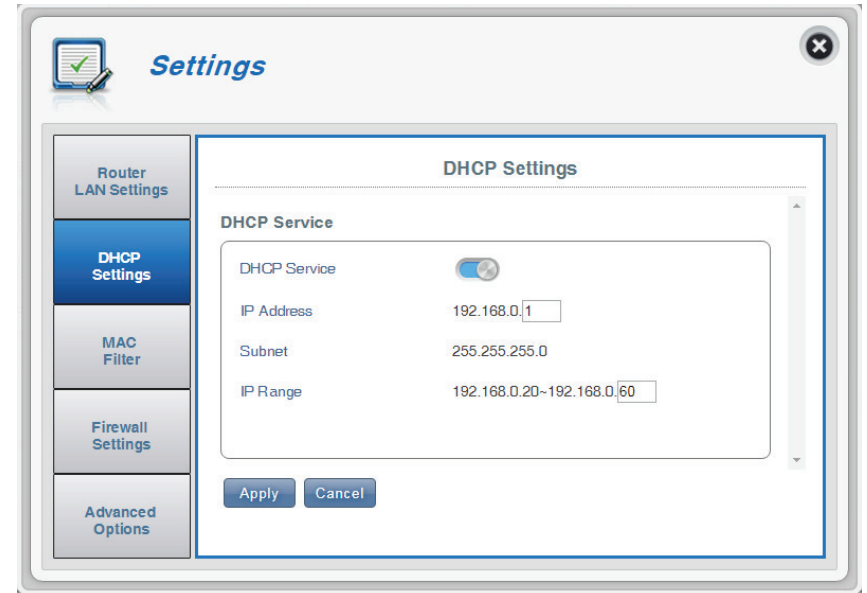
Note: *Disabling this server may make the web interface inaccessible until the router is reset.*

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

Subnet The subnet 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.



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 client blacklisted 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 34.

Click **Apply** to save changes.

