

# **4G Wireless Router**

## **Instructions**

DWM-222W

## **Declaration**

Thank you for purchasing our product. Reading this manual will help you to configure, manage, and maintain our product.

## **Manual**

In this manual, the terms "this device", "device", and "product" refer to the gateway device, unless otherwise specified. The IP address and other data information mentioned in the manual are for example only. The product drawings designed in this manual are for reference only, and the hardware and software of the product will be updated from time to time. For details, please refer to the actual product.

## **Intro**

This product is an unlimited communication product developed based on the 4G network. It can meet the requirements of stable, secure, and simple internet access for small networks such as offices and homes.

Main Features:

- Support 4G network
- Support wireless signal transmission function
- Network configuration and wireless configuration functions are complete, meeting the needs of most usage scenarios.

## Preparation

- Preparation before use
- Check if the USB interface is loose.
- Check if the SIM card installed in the SIM card slot of the device is correct
- If you need to replace the SIM card, turn off the device power to avoid damaging the SIM card

## Interface or button Description

| Interface or button | Description  |
|---------------------|--|
| Reset button        | Hold for more than 8 seconds to reset to factory settings. |
| SIM card slot       | Support the insertion of Nano - SIM card.                  |
| LED                 | Red: No LTE network.<br>Green: LTE network is normal.      |

## Network

- Wireless

This device supports personal wireless terminal connection and management functions. Please refer to the label on the device for the default wireless SSID and Wi-Fi password.


The default Web login address is <https://192.168.125.1>. Continue as follows:

- ① Insert this product into a USB port with power - supply function, Ensure that your device's Wi-Fi function is turned on.
- ② Search for the device's SSID and connect using the password.
- ③ Open a web browser and enter <https://192.168.125.1> in the address bar, as shown in the following picture.

[English](#) | [Spanish](#) | [French](#) | [Chinese](#)

Username

Password

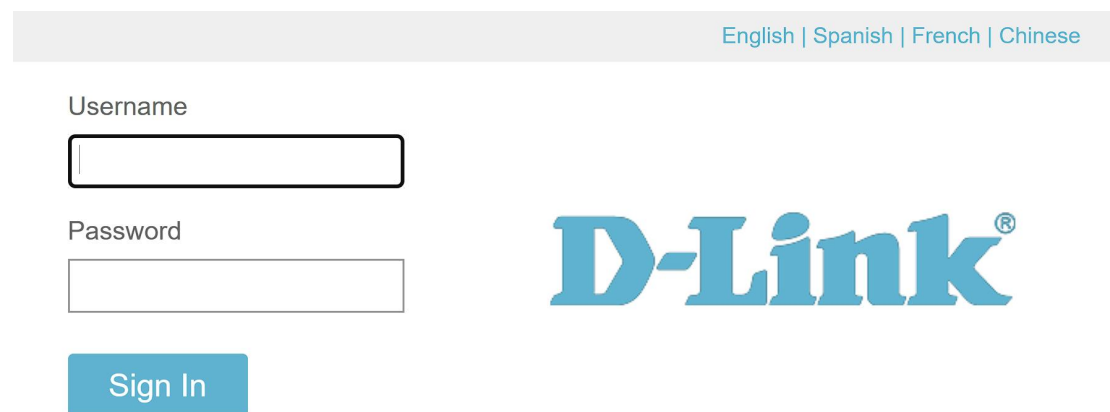


- ④ Enter the username: admin and password: admin, then click Log In to enter the management backend.

- Wired

This device supports wired login management functions. The default login address is <https://192.168.125.1>. Continue as follows:

- ① Insert this product into the USB port on your PC.
- ② The PC will automatically obtain the IP address.
- ③ Open a web browser and enter <https://192.168.125.1> in the address bar, as shown in the following picture.



English | Spanish | French | Chinese

Username

Password

**D-Link**<sup>®</sup>

Sign In

- ④ Enter the username: admin and password: admin, then click Log In to enter the management backend.

Note: For security reasons, You need to change the password when logging in for the first time to enjoy the full functionality. If you skip the password modification interface, some functions of the product will be restricted.

## Dashboard

After logging in, the user will access the device Dashboard, which includes information about the running devices: system status, device connectivity, etc.

The screenshot shows the D-Link device Dashboard interface. At the top left is the D-Link logo. On the top right, there is a 'Welcome' message and links for 'Quick Setup', 'Help', and 'Log Out'. Below this is a navigation bar with tabs for 'Dashboard', 'Internet', 'Home Network', 'SMS', 'Wireless', and 'Router'. The main content area is divided into three columns: 'Internet', 'Router', and 'Home Network'. The 'Internet' column contains sections for 'Internet Connection' (Network Operator), 'Cellular Connection' (SIM Status: Absent), and 'Software Information' (Device Mode: DWM-222W, Software Version: 1.00.02, Hardware Version: B1). The 'Router' column contains 'Router Information' (IP: 192.168.125.1, IMEI: 866977075739781, ICCID, IMSI, Router Network Mask: 255.255.255.0, Router MAC: c4:a8:28:28:dc:b9, Run Time: 0 Day 0 Hour 26 Minutes 37 Seconds) and 'Auto APN List' (MCC, MNC, Operator Name, APN, LTE APN, Network Type, 4G Auth Type, 4G User Name, 4G Password, Ip Type: IPv4v6). The 'Home Network' column contains 'Connected Devices' (1), 'Wireless' (Enabled), 'Wireless Settings' (Wireless Network: DWM-222W\_DCB9, Password: 1234567890, Security Mode: WPA2-PSK, Channel Number: Automatic), and 'DHCP Server' (Enabled). At the bottom left, there is a copyright notice: 'Copyright 2024, All Rights Reserved, D-Link Ltd.' At the bottom right, there is a version number: 'UFI v2.6.1'.

## Internet

- 4G

On this interface, you can configure 4G internet-related parameters.

- Internet Connection**
- Traffic Statistics
- PIN Management
- Traffic Setting
- USSD
- APN Settings
- Band Selection

### Internet Connection

My Internet Connection is

Cellular

Network Mode

4G/3G

Preferred LTE Type

TD-LTE preferred

Connection Mode:

Auto

prohibit automatic dial-up in the roaming status.



Save

## Home Network

On this interface, we can manage the device's DHCP configuration, connection logs, device information, custom firewall rules.

- DHCP Settings**
- Connected Devices
- Device Traffic
- Network Activity
- Custom Firewall Rules
- Port Forwarding

### DHCP Settings

DHCP Range:

192.168. - 125 - 1

Router LAN IP:

192.168.125.1

DHCP Server:  
 Enabled  Disabled

DHCP Start Address:

192 - 168 - 125 - 100

DHCP End Address:

192 - 168 - 125 - 200

DHCP Lease Time:

86400 (in Seconds)

DNS Configure Switch

Disabled

DNS1 IP Address:

DNS2 IP Address:

Add Static IP

| MAC Address       | IP Address |
|-------------------|------------|
| No entries found. |            |

### DHCPV6 Settings

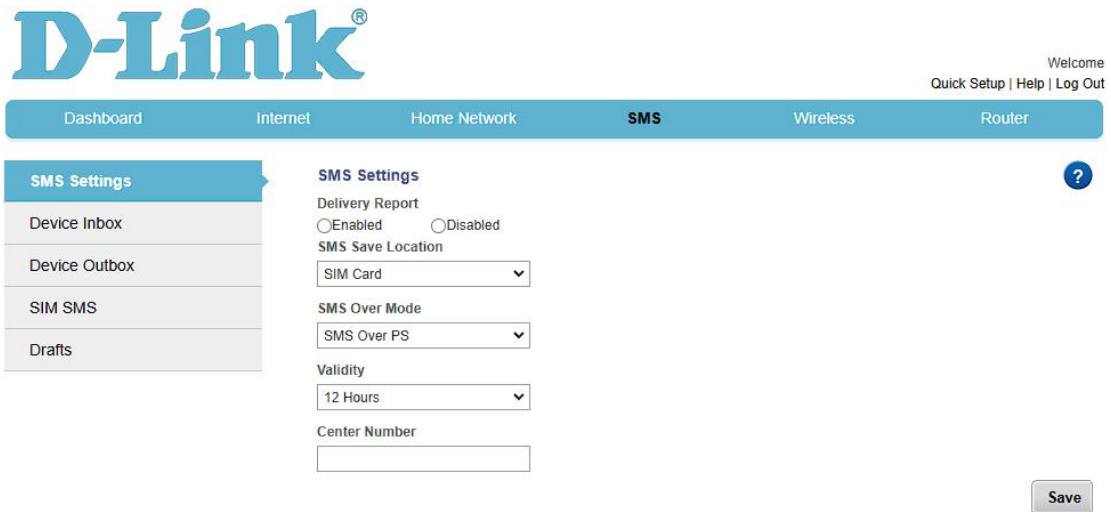
DHCPV6 Server:

Stateless Server  Stateful Server

Save

## SMS

On this interface, we can manage the SMS information received on the phone card and device.



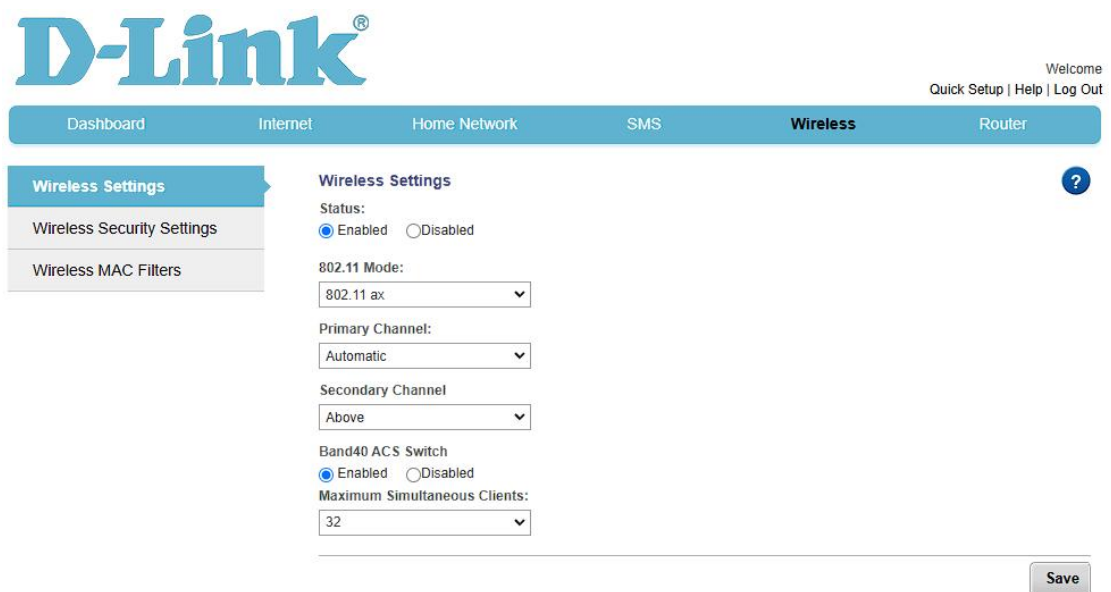
The screenshot shows the D-Link web interface with the 'SMS' tab selected in the top navigation bar. The left sidebar contains a menu with 'SMS Settings' highlighted, and sub-items: 'Device Inbox', 'Device Outbox', 'SIM SMS', and 'Drafts'. The main content area is titled 'SMS Settings' and includes the following configuration options:

- Delivery Report:** Radio buttons for 'Enabled' and 'Disabled'.
- SMS Save Location:** A dropdown menu currently set to 'SIM Card'.
- SMS Over Mode:** A dropdown menu currently set to 'SMS Over PS'.
- Validity:** A dropdown menu currently set to '12 Hours'.
- Center Number:** An empty text input field.

A 'Save' button is located at the bottom right of the settings area.

## Wireless

On this interface, we can configure Wi-Fi-related parameter information and set up filter management.



The screenshot shows the D-Link web interface with the 'Wireless' tab selected in the top navigation bar. The left sidebar contains a menu with 'Wireless Settings' highlighted, and sub-items: 'Wireless Security Settings' and 'Wireless MAC Filters'. The main content area is titled 'Wireless Settings' and includes the following configuration options:

- Status:** Radio buttons for 'Enabled' (selected) and 'Disabled'.
- 802.11 Mode:** A dropdown menu currently set to '802.11 ax'.
- Primary Channel:** A dropdown menu currently set to 'Automatic'.
- Secondary Channel:** A dropdown menu currently set to 'Above'.
- Band40 ACS Switch:** Radio buttons for 'Enabled' (selected) and 'Disabled'.
- Maximum Simultaneous Clients:** A dropdown menu currently set to '32'.

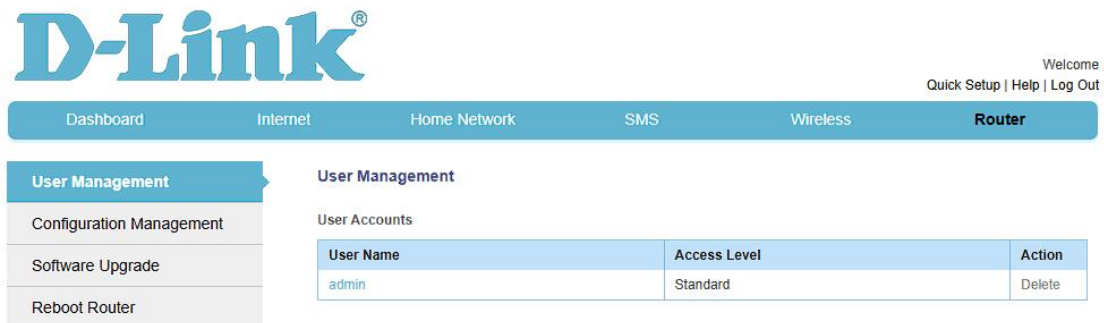
A 'Save' button is located at the bottom right of the settings area.

## Router

On this interface, we can restart and reset the device, set the management password, upgrade the system.

- User Management

This device supports modifying the router password. The password must be at least 12 characters long and must contain 3 out of 4 requirements: uppercase letters, lowercase letters, special characters, or symbols.

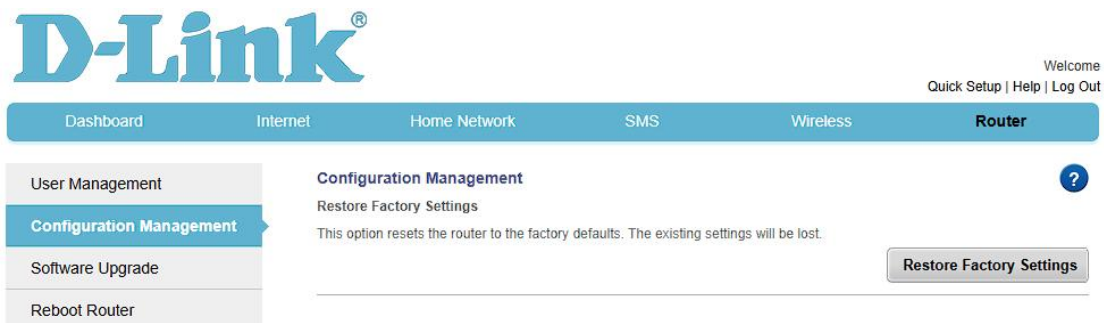


The screenshot shows the D-Link Router web interface. The top navigation bar includes 'Dashboard', 'Internet', 'Home Network', 'SMS', 'Wireless', and 'Router'. The 'Router' tab is active. On the left, a sidebar menu shows 'User Management' selected, with sub-options: 'Configuration Management', 'Software Upgrade', and 'Reboot Router'. The main content area is titled 'User Management' and contains a 'User Accounts' table with the following data:

| User Name | Access Level | Action |
|-----------|--------------|--------|
| admin     | Standard     | Delete |

- Reboot and Reset

Click the Reboot button to restart the device or click the Reset button to reset the device.



The screenshot shows the D-Link Router web interface. The top navigation bar is the same as in the previous screenshot. The left sidebar menu shows 'Configuration Management' selected, with sub-options: 'User Management', 'Software Upgrade', and 'Reboot Router'. The main content area is titled 'Configuration Management' and contains a 'Restore Factory Settings' section with the following text: 'This option resets the router to the factory defaults. The existing settings will be lost.' A 'Restore Factory Settings' button is located at the bottom right of this section.

- User Management
- Configuration Management
- Software Upgrade
- Reboot Router**

## Reboot Router

Please press the button shown below to Reboot the Router

Reboot Router

- Upgrade

The device supports manual clicking the browse button to select the upgrade file for upgrading.

- User Management
- Configuration Management
- Software Upgrade**
- Reboot Router

## Software Upgrade

### Software Information

Current Software Version:  
1.00.02

Current Software Date:  
Feb 10 2025

If you have a software upgrade file on your machine, you can use this option to manually upgrade the router.

Browse

Upgrade

## Simple Troubleshooting

- Client cannot normally access the Internet Operation steps:
  - ① Ensure that the SIM card has not been suspended.
  - ② Check and ensure that the device is connected properly.
  - ③ Check the power status and ensure that the device is working normally.
  - ④ Check the signal strength and ensure that the area where the device is located is covered by the communication network.
  - ⑤ Check the network type and ensure that it complies with the requirements of the local service provider. The default network type is automatic, and there is no need to change it unless there are special requirements.
  - ⑥ When connecting to the Internet through the device, you must input the correct network configuration parameters, which are the access point name, user name, and user password provided by the network service provider.
  - ⑦ Only when the main interface indicates that the network status is connected does it mean that the network is normal, and you can access the Internet at this time.
  - ⑧ If there is still a problem, please consult your service provider.

- No Service.

Check the signal strength indicator light. If there is no network signal, you may be in a basement or network blind area in a building. Move to another area to receive the signal.

- No SIM Card

Confirm that the SIM card is installed correctly and check if the SIM card is working normally. It may be defective or experiencing a fault. If so, please hand it over to the network service provider to resolve.

- Slow Upload and Download Speeds

Upload and download speeds depend on the signal strength of the operator's network. Please place the device in a place with a strong signal. If the signal is very strong, but the network speed is still slow, you can try closing and reopening the data connection.

## **Safety Matters**

Read these precautions carefully before using the device to ensure proper use.

- General Precautions.
- When approaching storage areas, chemical items, or explosive items, please follow laws, regulations, and relevant signs.
- Please place the device where children cannot reach it, as children may consider it a toy and cause personal injury.
- To avoid damage to your device, you can only use the designated batteries, chargers, and other accessories from this company. Using other batteries or chargers may cause battery leakage, overheating, explosion, fire, and other failures.
- Please do not use the device near weak signal or high-precision electronic devices, as radio waves from the device may cause interference and other problems with these electronic devices.

Particularly near the following devices, special attention is needed: hearing aids, pacemakers, and other medical electronic devices, fire detectors, automatic doors, and other automatic control devices. For the impact of the device on these devices, please consult the device manufacturer or local dealer.

- Please do not place the device in high temperature, high humidity, or large amounts of dusty areas, as this may cause Equipment failure. While

the device is in use, please do not touch the built-in antenna area of the device, as this will affect the device's performance.

- Using the Device Precautions.
- You can only use original or manufacturer-approved accessories. If you use inappropriate or unapproved accessories, it may affect the device's performance and violate the device's warranty terms and relevant regulations on communication terminal products in your country.
- Avoid using the device near metal structures or devices that emit electromagnetic waves. Using the device in these situations may affect signal reception.
- Do not disassemble or modify the device, as this will cause damage, leakage, and circuit failures to the device.
- Avoid exposing the device to moisture, water, or other liquids, as this may cause short-circuiting.

## Product warranty card

|                  |                    |
|------------------|--------------------|
| Product Name     |                    |
| Product Code     |                    |
| Warranty Period  | MM      YY         |
| Dealer Name      |                    |
| Dealer Address   |                    |
| Customer Name    |                    |
| Purchase Time    | MM      DD      YY |
| Customer Address |                    |
| Contact Number   |                    |
|                  |                    |

## **FCC STATEMENT:**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

### **RF Exposure Information (SAR)**

This device meets the government's requirements for exposure to radio waves. This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

The exposure standard employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. Tests for SAR are conducted using standard operating positions accepted by the FCC with the EUT transmitting at the specified power level in different channels. The FCC has granted an Equipment Authorization for this device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this device is on file with the FCC and can be found under the Display Grant section of [www.fcc.gov/oet/ea/fccid](http://www.fcc.gov/oet/ea/fccid).

To ensure that RF exposure levels remain at or below the tested levels, use a beltclip, holster, or similar accessory that have no metallic component in the assembly and must maintains a minimum separation distance of 5mm between your body and the device.