



Wireless Router

User Manual

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Applicable Models

This manual is applicable to wireless router.

Symbol Conventions

The symbols that may be found in this document are defined as follows.




Symbol	Description
 Note	Provides additional information to emphasize or supplement important points of the main text.
 Caution	Indicates a potentially hazardous situation, which if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
 Danger	Indicates a hazard with a high level of risk, which if not avoided, will result in death or serious injury.

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Chapter 1 Activation and Login

Activation is required before using the router (hereafter referred to as device) for the first time. After activation, the router can be configured via Web Login.

1.1 Activate

The device can be activated via a mobile device or PC. Make sure the device is connected to network and power supply before activating.

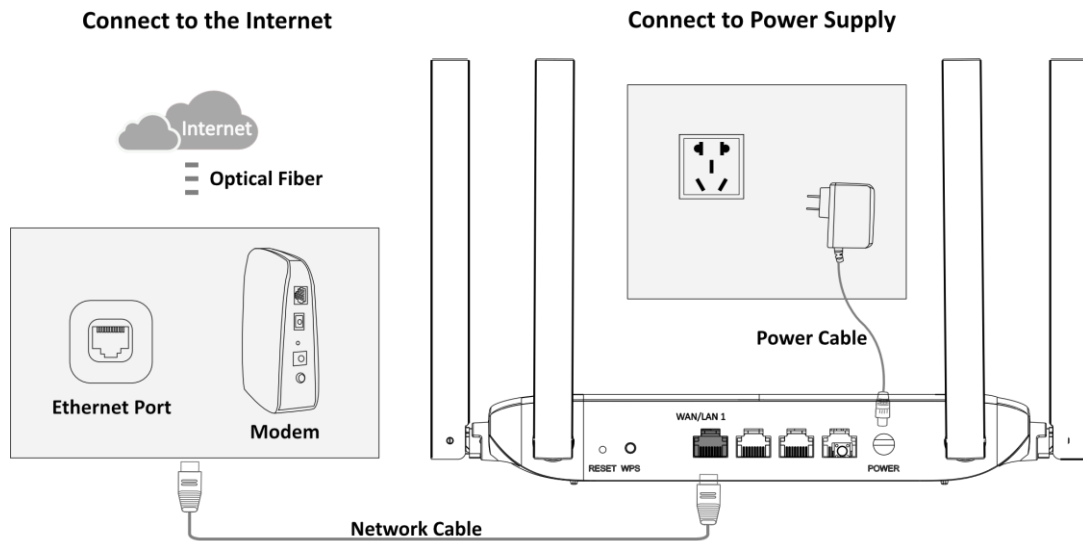


Figure 1-1 Wiring

1.1.1 Activate via Mobile Device

Please refer to the Quick Start Guide in the packing box, or click <https://enpinfodata.hikvision.com/analysisQR/showQR/15f499be> to view guidance video.

1.1.2 Activate via PC

Wired Mode

The wired mode is applicable to PC. The device can be activated through network cable connection.

Step 1 Connect any LAN port of the device to the network port of the desktop directly with a network cable.

Step 2 Enter Management IP Address (192.168.9.1) in the browser address bar to go to the activation page.



Figure 1-2 Activation Page

Step 3 Click **Start** to go to the activation page. The system will automatically detect device network connection.

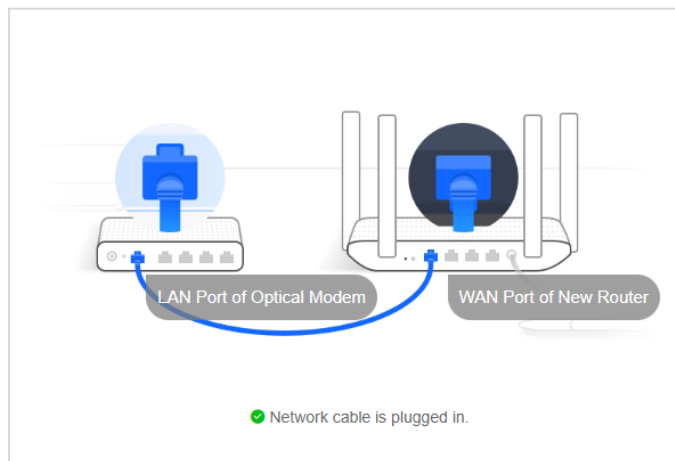


Figure 1-3 Device Connection

Step 4 The system will detect the Internet access mode automatically, or you can select it manually.

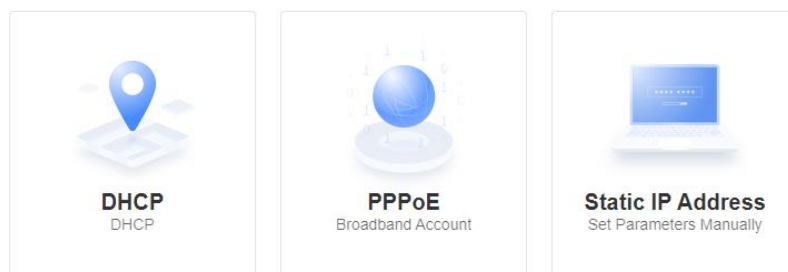


Figure 1-4 Internet Access Mode

- **DHCP:** It is recommended to select this mode. Dynamic IP address will be allocated automatically. No additional configuration is required.

- **PPPoE:** You can select this mode if your Internet Service Provider (ISP) has provided a broadband account and password, or if you are going to use a new router to replace the old one.
- **Static IP Address:** It is not recommended to select this mode, unless your ISP has provided a static IP address and other information.

Step 5 Replace the old router with a new one (optional): If you have an old router that can connect to the network normally, you can migrate data under PPPoE mode by connecting the new and old routers.

- 1) Select **PPPoE** mode.
- 2) Click **Auto-Obtain**.
- 3) Connect the new and old routers to the power cable.
- 4) Connect the WAN port of the old router to any LAN port of the new router with a network cable.
- 5) Click **Obtain** to get the broadband account and password from the old router.

Step 6 Click **Next** to configure Wi-Fi Settings.

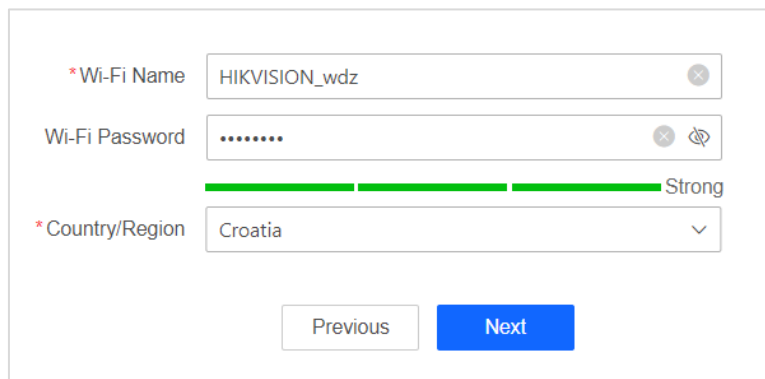


Figure 1-5 Wi-Fi Settings

- **Wi-Fi name:** The name on the label by default. Editing is supported.
- **Wi-Fi password:** The password to be entered when a terminal device connecting to router Wi-Fi. Custom 8 to 16 characters is supported.
- **Country/Region:** Select your location.

Step 7 Set router password. Router password is required to log in to web management, and you can customize 8 to 16 characters passwords.

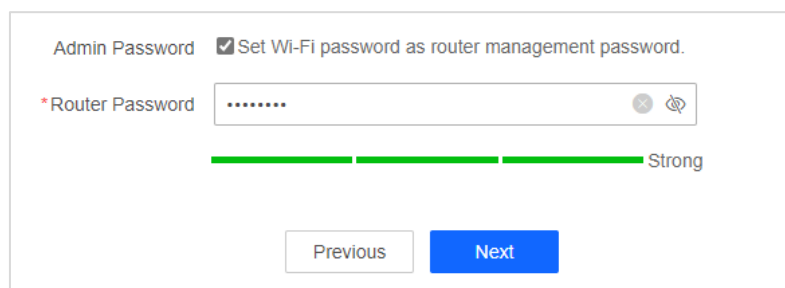


Figure 1-6 Set Router Password

By Default, Wi-Fi password will be set as router management password, or you can manually uncheck to customize your router password.

Step 8 Click **Next**. The router will reboot automatically after being activated.

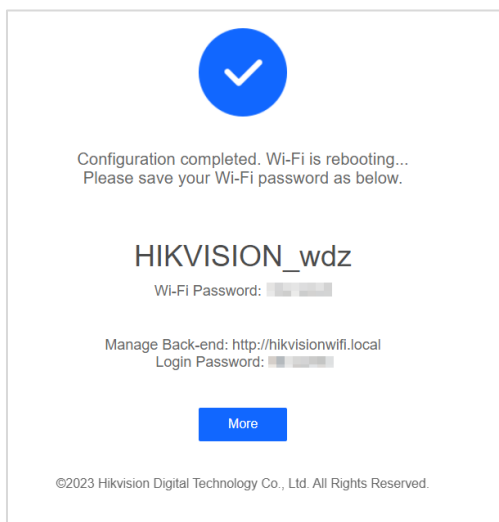


Figure 1-7 Figure 1-6 Configured

 **Note**

It is recommended to save the password page.

Wireless Mode

Wireless activation mode is applicable to mobile phone and PC with wireless NIC.

Step 1 Check the label at the bottom of the router to get **Wi-Fi Name** (HIKVISION_XXXX).

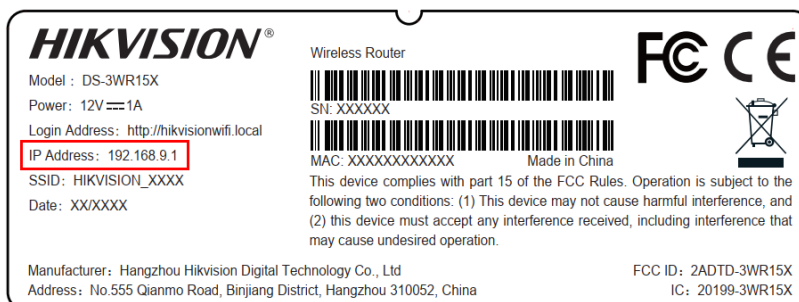


Figure 1-8 Label (Example)

Step 2 Connect your phone or PC to the Wi-Fi. After connecting, the browser will automatically go to the activation page.

 **Note**

If not, please open browser manually. Enter IP address (192.168.9.1) in the address field to go to the activation page.

Step 3 Refer *Step 3* to *Step 8* in **Wired Mode** to activate your router.

1.2 Login

After the device is activated, the Wi-Fi password is updated and you need to reconnect to log in.

Step 1 Connect to the device again using the Wi-Fi password set during activation.

Note

If Wi-Fi name is changed during activation, please select the Wi-Fi network again.

Step 2 Refresh the activation page or enter management IP address (192.168.9.1) in the address bar, and go to login page.

Step 3 Enter router management password and click **Log In**.



Figure 1-9 Login

Chapter 2 Overview

After logging in to the device, you can go to the overview page to check network connection status, number of terminals, and Wi-Fi information.

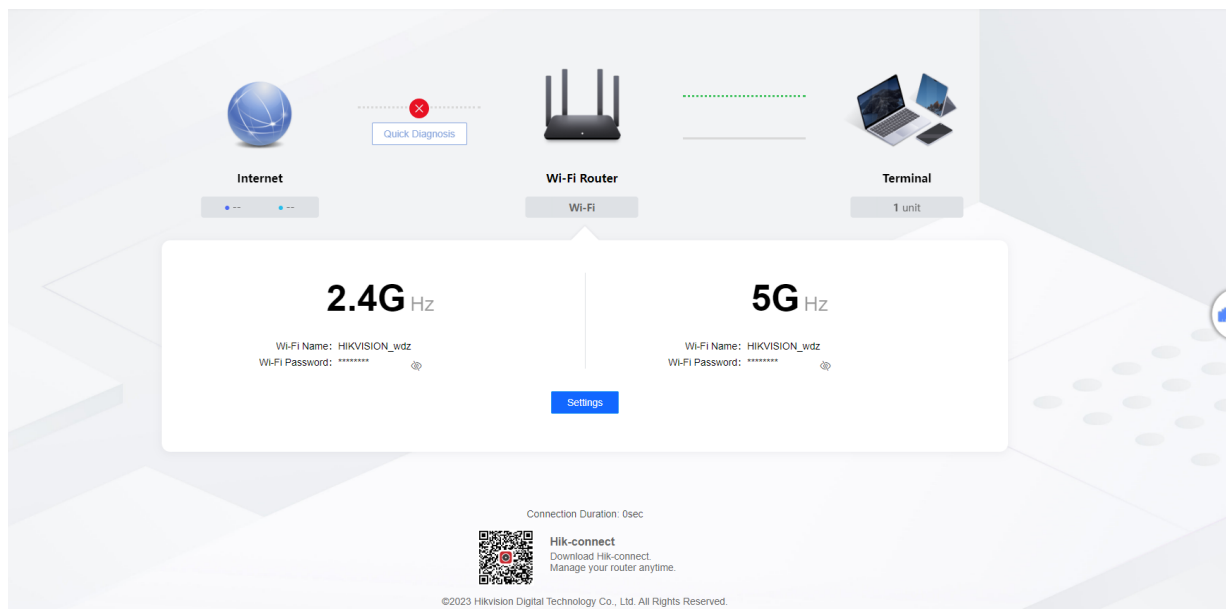


Figure 2-1 Overview

Quick Diagnosis

If the device network connection is abnormal, you can use **Quick Diagnosis** to diagnose the problem. Take corresponding measures according to the diagnosis results below.

- No network cable inserted: Please check if the network cable is connected to the router's WAN port.
- Network disconnected: Check if broadband configuration is correct, if upper-level Wi-Fi is connected to the network, and if upper-level route bridged is connected to the network.
- Relaying failed: Please check relay Wi-Fi password.
- Dial-up disconnected: Check if the physical link of router is normal.
- Incorrect user name or password: Check if broadband configuration or password is correct.
- Dialing timed out: Check if the broadband dial-up server is running normally.
- IP conflict: The IP address obtained by WAN port is in the same network segment as the LAN port. Please edit LAN port IP address in LAN configuration.

Check Port Status

Click  on the right side of Overview page to check port status.

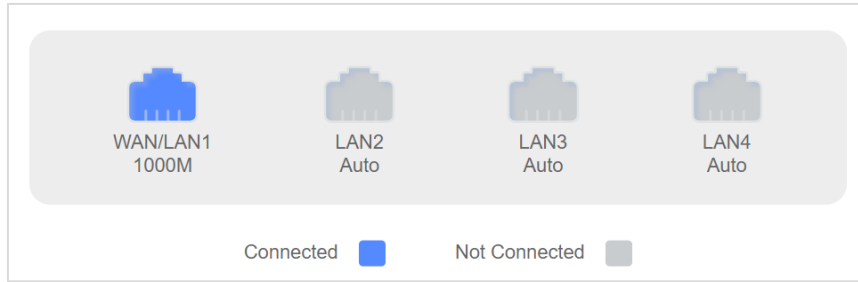


Figure 2-2 Port Status

Download Hik-connect

Scan the QR code at the bottle of the interface to download Hik-connect application to manage router devices.

Chapter 3 Internet Settings

3.1 Wi-Fi Settings

Set Wi-Fi parameters and functions, such as timed switch, quick optimization, and guest network.


3.1.1 Basic Settings

Step 1 Click **My Wi-Fi**.

Step 2 Make sure Wi-Fi is enabled.

Step 3 Configure the parameters.

Table 3-1 Basic Parameter Description

Parameter	Description
Enable Wi-Fi	After disabling, the Wi-Fi will be disconnected.
Enable Dual-Frequency in One	After enabling, 2.4 G or 5 G networks are recommended automatically according to signal strength and distance. After disabling, 2.4 G and 5 G networks can be set separately.
Enable Network	When Dual-Frequency in One is disabled, you can choose to enable 2.4 G and 5 G networks separately.
Wi-Fi Name	Set the device Wi-Fi name for other terminals to search.
Hide Wi-Fi Name	If selected, this Wi-Fi cannot be searched by terminals. You need to enter Wi-Fi name manually for connection. This feature can enhance network security.
Encryption Mode	<p>It supports Strong Hybrid Encryption (WPA3/WPA2), Hybrid Encryption (WPA/WPA2), Strong encryption (WPA2), and Not Encrypted (allowing all terminals to connect).</p> <p> Note</p> <p>Make sure the access terminal is supported when using Strong Hybrid Encryption. If the connection problem persists, please switch to Hybrid Encryption (WPA/WPA2) or other methods.</p>
Wi-Fi Password	8 to 63 characters are allowed, including digits, uppercase letters, lowercase letters, or special characters.

My Wi-Fi
Manage and configure Wi-Fi and network parameters.

Enable Wi-Fi

Enable Dual-Frequency in One

2.4G and 5G networks use the same Wi-Fi name and password, and the router can choose the best network band for the terminal.

Basic Wireless Settings

*Wi-Fi Name Hide Wi-Fi Name

Encryption Mode

*Wi-Fi Password

Figure 3-1 Enable Dual-Frequency in One

My Wi-Fi
Manage and configure Wi-Fi and network parameters.

Enable Wi-Fi

Enable Dual-Frequency in One

2.4G and 5G networks use the same Wi-Fi name and password, and the router can choose the best network band for the terminal.

2.4G Wireless Settings

Enable Network

*Wi-Fi Name Hide Wi-Fi Name

Encryption Mode

*Wi-Fi Password

5G Wireless Settings

Enable Network

*Wi-Fi Name Hide Wi-Fi Name

Encryption Mode

*Wi-Fi Password

Figure 3-2 Disable Dual-Frequency in One

Step 4 Click **Save**.

3.1.2 Advanced Settings

Step 1 Go **More** → **Wi-Fi Settings** → **Advanced Wi-Fi Settings**.

Step 2 Configure the parameters.

Table 3-2 Advanced Parameter Description

Parameter		Description
2.4/5 G Wireless Settings	Wireless Channel	Wireless signal is used as a data channel of transmission medium. If Auto is selected, the router will select an optimal channel according to the surrounding environment.
	Wireless Mode	Set the wireless working mode. It is recommended to use 802.11b/g/n mode for 2.4 GHz, and 802.11a/n/ac/ax mode for 5 GHz.
	Channel Width	Set the channel width occupied for wireless data transmission.
Wireless Advanced Settings	TWT	After enabling, resource scheduling between devices will be optimized automatically, so as to reduce random competition, increase device sleeping time, and reduce power consumption.
	MU-MIMO	After enabling, you can communicate with multiple terminals to improve the online experience.
	OFDMA	After enabling, multi-user reuse channel resources, which will improve transmission efficiency in multi-user environment and reduce network delay.
Wi-Fi Signal Strength		The enhanced wireless signal is suitable for covering large area or partitions.

2.4G Wireless Settings

2.4G Wireless Channel: Auto (1)
Select optimal channel based on the surrounding environment.

2.4G Wireless Mode: 802.11b/g/n
802.11b/g/n mode is recommended.

2.4G Channel Width: 20/40
Sets the channel width occupied for wireless data transmission.

5G Wireless Settings

5G Wireless Channel: Auto (48)
Select optimal channel based on the surrounding environment.

5G Wireless Mode: 802.11a/n/ac/ax
802.11a/n/ac/ax mode is recommended.

5G Channel Width: 20/40/80
Sets the channel width occupied for wireless data transmission.

Wireless Advanced Settings

TWT
Automatically optimize resource scheduling between devices to reduce power consumption.

MU-MIMO
Communicate with multiple terminals at the same time to improve the Internet experience.

OFDMA
Multi-user can multiplex channel resources to improve transmission efficiency and reduce network latency in a multi-user Internet environment.

Wi-Fi Signal Strength

Signal Strength Eco Regular Enhancement
Strong signal strength, suitable for use scenarios with large area or many obstructions.

Figure 3-3 Advanced Settings

Step 3 Click **Save**.

3.1.3 Timed Wi-Fi On/Off

Set a period during when the Wi-Fi will be disabled automatically.

Step 1 Go **More** → **Wi-Fi Settings** → **Timed Wi-Fi On/Off**.

Step 2 Select **Start Time** and **End Time**.

Step 3 Select **Repeat Time** (Monday to Sunday).

Enable

Calibrate system time before enabling the function

* Start Time: 10:00

* End Time: 20:00

When the start time is set later than the end time, the default is the multi-day period.

* Repeat Time Monday Tuesday Wednesday Thursday
 Friday Saturday Sunday

Figure 3-4 Timed Wi-Fi

Step 4 Click **Save**.

Note

Before using this function, check if the router system time is correct.

3.1.4 Quick Optimization

Go **More** → **Wi-Fi Settings** → **Quick Optimization**.

The system can analyze the external Wi-Fi interference and link congestion of the current working channel. If the health index is lower than 100, you can optimize the current network to the optimal status through **Quick Optimization**.

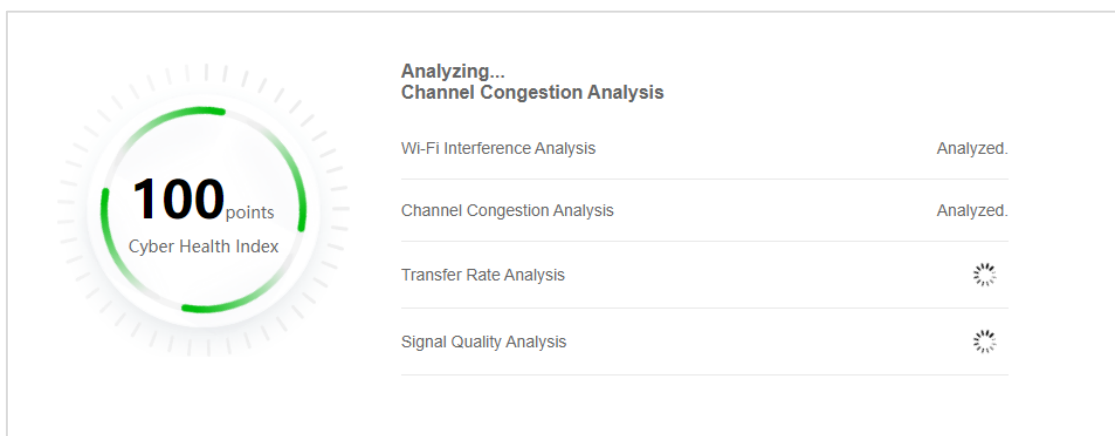


Figure 3-5 Quick Optimization

3.1.5 Guest Network

Set a Wi-Fi network for guests, which can guarantee host network data and information security, and also meet the network needs of guests.

Step 1 Go **More** → **Wi-Fi Settings** → **Guest Network**.

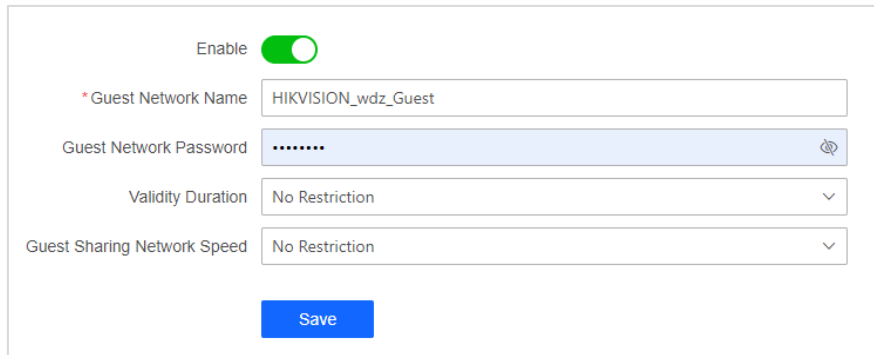
Step 2 Check **Enable**.

Step 3 Set the following parameters.

- **Guest Network Name:** Set a Wi-Fi name that is different with the host network name.
- **Validity Duration:** It supports **No Restriction**, **4h**, **8h**, or **24h**.
- **Guest Sharing Network Speed:** It supports to customize as desire.

Note

Before enabling, check if router is connected. Otherwise, the function cannot take effect.



Enable

* Guest Network Name

Guest Network Password

Validity Duration

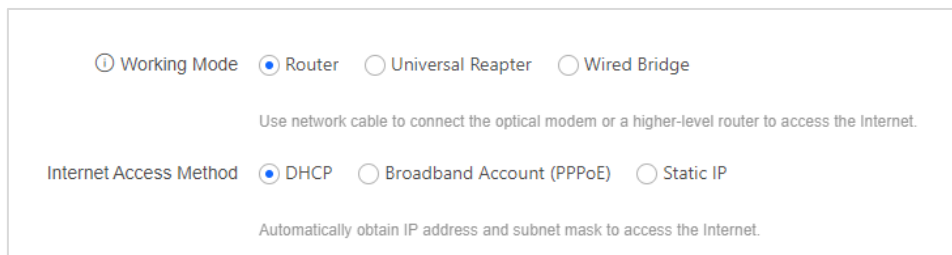
Guest Sharing Network Speed

Figure 3-6 Set Guest Network

3.2 Broadband Settings

3.2.1 Basic Settings

Go **My Broadband** → **Basic Settings** to set router working mode.



① Working Mode Router Universal Reapter Wired Bridge

Use network cable to connect the optical modem or a higher-level router to access the Internet.

Internet Access Method DHCP Broadband Account (PPPoE) Static IP

Automatically obtain IP address and subnet mask to access the Internet.

Figure 3-7 Working Mode



Router Mode

Your router will create a new Wi-Fi network or replace the old router. In this mode, the WAN port of the router can connect to a modem or an upper-level router via network cable.

Step 1 Enter **My Broadband** → **Basic Settings**, and select the working mode as **Router Mode**.

Step 2 Select **Internet Access Method**.

Table 3-3 Internet Access Method Description

Method	Description
DHCP	<p>The router will automatically get IP address, subnet mask, gateway, DNS and other information. You do not need to configure.</p> <p> Note</p> <p>If static DNS is enabled, you need to enter the preferred DNS information. Not enabled by default.</p>
Broadband Account (PPPoE)	<p>Dial up via broadband account (telecom, mobile, and network connection).</p> <p> Note</p> <ul style="list-style-type: none"> ● If you have an old router that can connect to the network normally, you can migrate data in PPPoE mode by connecting to the old router. ● If static DNS is enabled, you need to enter the preferred DNS information. Not enabled by default.
Static IP	<p>It is not recommended unless your ISP has provided an IP address and other information.</p>

Step 3 Click **Save**.

Universal Repeater Mode

Your router will be connected to the upper-level router via Wi-Fi wirelessly to expand the Wi-Fi coverage of the upper-level router.

 **Note**

- Make sure the DHCP server is enabled for upper-level routing.
- Make sure the router WAN port is not connected to other devices using network cable.
- In this mode, functions such as terminal management and LAN settings will be hidden. Wi-Fi cannot be configured.

Step 1 Go to **My Broadband** → **Basic Settings** and select the working mode as the **Universal Repeater Mode**.

Figure 3-8 Universal Repeater Mode

Step 2 Click **Scan** to select the network to expand the signal range and enter the Wi-Fi password.

Step 3 (Optional) Click **Add Manually** to enter the network name and password to expand the signal range.

Figure 3-9 Add Manually

Step 4 Click **Save**.

Step 5 Click **Ok**.

Wired Bridge Mode

The user can connect to the upper-level router via wired connection, and expand the network interface. Terminal management, LAN settings, etc. will be hidden.

Note

- Make sure network mode of upper-level router is not DHCP mode.
- After the router is switched to bridge or all-purpose relay mode, the enabled visitor network will be disabled.
- After switching from bridge mode to route mode, the connected device needs to reconnect the router. Otherwise, the network connection may fail.

Step 1 Enter **My Broadband** → **Basic Settings** and select the working mode as **Bridge Mode**.

Step 2 Connect the WAN port of your router and the LAN port of the upper-level router.

Step 3 Click **Save**.

3.2.2 Advanced Settings

It is recommended to maintain the default configuration.

- **MAC Address Cloning:** It can solve the broadband limit and enable router to share network. You can select default MAC address, or clone the MAC address of the management PC to the WAN port, or configure the MAC address manually.
- **Data Package MTU:** Set the maximum transmission unit (MTU). The default value is 1480 in PPPoE mode, 1500 in DHCP and static IP mode.

The screenshot shows a configuration interface with three main sections:

- * Data Packet MTU:** A text input field containing the value "1500" and a dropdown menu set to "Byte".
- MAC Address Cloning:** A dropdown menu currently showing "Default".
- * MAC Address:** A field containing a blurred, greyed-out MAC address.

Figure 3-10 Advanced Settings


3.3 Network Settings

Select **More** → **Network Settings** to set router network parameters.

3.3.1 DHCP Server

DHCP server can be enabled or disabled. After enabling, the router can automatically distribute network parameters such as IP address, subnet mask, and DNS to network devices in the LAN.

Table 3-4 Parameter Description

Parameter	Description
Start/End IP of Address Pool	<p>The start/end address of the IP address automatically allocated by DHCP server.</p> <p> Note DHCP address pool IP address should be in the same network segment as LAN port IP address.</p>
Address Lease Period	The effective time of auto-distributing IP address. The device needs to get the IP address again after the time exceeded.
Gateway	The IP address of the router LAN port cannot be edited.
Preferred/Alternative DNS Server	Domain name parses server address.

DHCP Server Settings

* Start IP of Address Pool

* End IP of Address Pool

Address Lease Period min

* Gateway

* Preferred DNS Server

Alternative DNS Server

Figure 3-11 DHCP Server

3.3.2 DHCP Client List

Check the list of terminals that obtain IP addresses through a DHCP server.

No.	Name	MAC Address	IP Address	Rest Lease Period
1	NB-HZ20239891			102 min

Figure 3-12 DHCP Client List

3.3.3 LAN Settings

LAN port IP settings can be auto or manual, and both have LAN-WAN conflict detection mechanism, i.e., detect whether the IP obtained by WAN port is in the same network segment with the IP address of LAN port. It is usually in auto mode.

- Auto: After conflict is detected, the LAN port IP address will be automatically changed to other network segment.
- Manual: After conflict is detected, you can manually edit the LAN port IP address.

After the IP address of the LAN is edited, the device connected to the router will be redistributed.

MAC Address

LAN IP Settings

Auto change network segment after detecting IP conflict of LAN and WAN.


IP Address

Subnet Mask

Figure 3-13 LAN Settings

3.3.4 Bind IP to MAC

Bind IP address to terminal MAC address, and distribute fixed IP address to terminal device. It can ensure that users' valid IP address is not misappropriated or abused, and can also be protected from ARP attack.

- Click  to edit the bound terminal.




No.	Terminal Name	MAC Address	IP Address	Binding Status	Operation
1	NB-HZ20239891			Unbound	

Figure 3-14 Terminal Binding List

- Click **+ Add** to bind a new terminal.

Terminal Name *

MAC Address *

IP Address *

Figure 3-15 Add Binding

3.3.5 IPv6

You can configure WAN connection mode and LAN address distribution mode.

WAN Settings

*IPv6 Address Type

*IPv6 Address --

*Prefix Length 64

*Gateway Address --

*Preferred DNS Server --

Alternative DNS Server --

Figure 3-16 IPv6-WAN Configuration

LAN Settings

Route Broadcast

* Configuration Mode

* Prefix --

* Prefix Length 64

* Preferred Lifetime(s) 3600

* Effective Lifetime(s) 7200

DHCP Server

* Configuration Mode

* Prefix --

* Prefix Length 64

* Preferred Lifetime(s) 3600

* Effective Lifetime(s) 7200

* Preferred DNS Server --

Alternative DNS Server --

Figure 3-17 IPv6-LAN Configuration

3.3.6 UPnP

Enabling UPnP (UniversalPlugandPlay, general plug-and-play), the internal network host can request the router to map the port automatically through the UPnP protocol. When using software such as P2P that supports UPnP protocol, the download speed can be increased to improve network stability.

Enable

UPnP Port Mapping List

No.	Intranet IP Address	Protocol Type	Intranet Port	WAN Port	Application Description
No Data					

Figure 3-18 UPnP

Chapter 4 System Settings

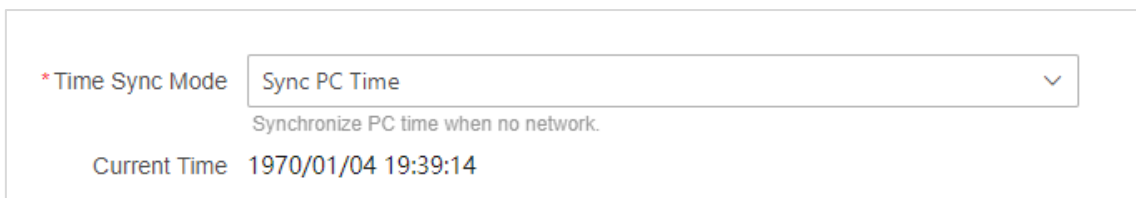
Click **More** → **System Settings** to perform time sync, indicator, etc.

4.1 System Time

Time Sync

Sync device system time with network time to ensure system time accuracy. The default configuration is for general user.

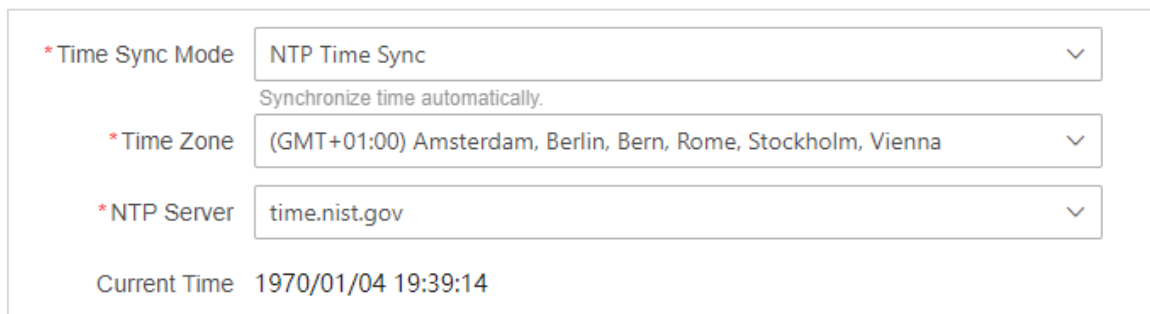
- Sync PC time: Support for use when no network.



* Time Sync Mode ▼
 Synchronize PC time when no network.
 Current Time 1970/01/04 19:39:14

Figure 4-1 Sync PC Time

- NTP Time Sync: Synchronize time automatically with network.

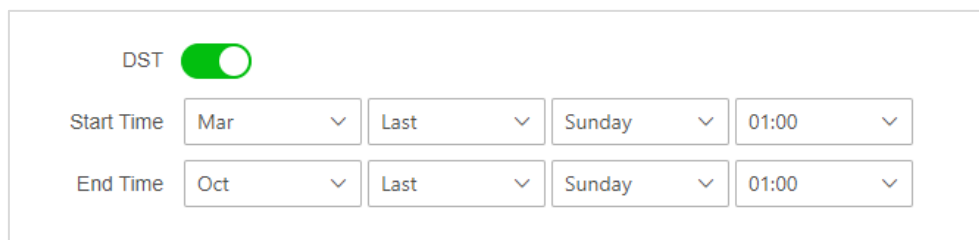


* Time Sync Mode ▼
 Synchronize time automatically.
 * Time Zone ▼
 * NTP Server ▼
 Current Time 1970/01/04 19:39:14

Figure 4-2 NTP Time Sync

DST

Support configuring the start and end times of daylight saving time (DST). After being turned on, once the system time reaches the start time of DST, it will shift back by 1 hour; once the system time reaches the end time of DST, it will offset forward by 1 hour.



DST

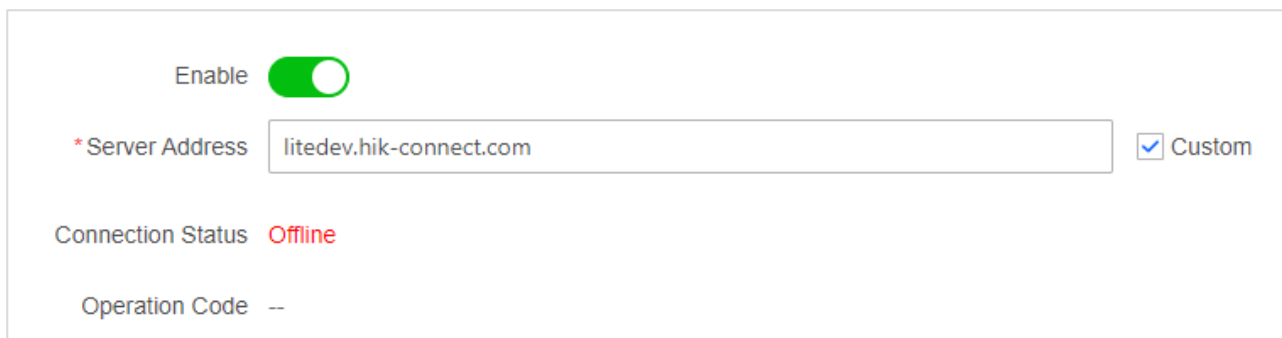
Start Time ▼ ▼ ▼ ▼

End Time ▼ ▼ ▼ ▼

Figure 4-3 DST

4.2 Cloud Management

Cloud based network management is supported.



Enable

*Server Address Custom

Connection Status **Offline**

Operation Code --

Figure 4-4 Cloud Management

4.3 Pilot Light

You can enable or disable the device indicator via Web page switch.

Chapter 5 Security Settings

Select **More** → **Security Settings** to configure router security.

5.1 Firewall

The firewall is a safety barrier between the Internet and the home LAN. After the firewall is enabled, the device will filter the data entering the LAN from the Internet to avoid network attacks from external networks, thus protecting the security of internal network users and data. It is recommended to keep it on.

5.2 DMZ

Set the local area network (LAN) host as the DMZ host, then the external network can access the host. For example, you can set the web server and FTP server as the DMZ host to access the DMZ host via the Internet. Enter the IP address of the DMZ host when enabling DMZ.



The screenshot shows a configuration panel for DMZ. At the top, there is a label 'Enable' next to a green toggle switch that is turned on. Below this is a text input field with a red asterisk and the label '*IP' to its left. The input field contains the placeholder text 'Enter IP'. At the bottom of the panel is a blue button with the text 'Save' in white.

Figure 5-1 Set DMZ

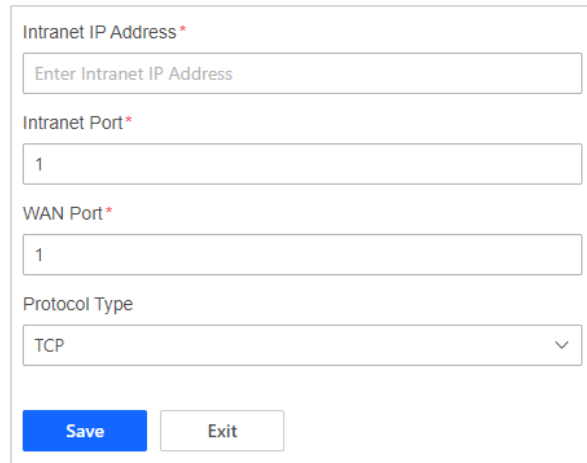
Note

Port mapping is only used to map the specified port. DMZ refers to mapping all ports, and directly exposes the host to the gateway. It is easier than port mapping, but it is less secure.

5.3 Port Mapping

Map the specific port of a LAN host to a WAN IP address and port for easy access from the public network.

The IP address, IP port, and external port information are required to add the mapping port.



Intranet IP Address*

Enter Intranet IP Address

Intranet Port*

1

WAN Port*

1

Protocol Type

TCP

Save Exit

Figure 5-2 Add Port Mapping

5.4 Remote Web

After enabling the remote web function, the device can be managed by inputting the WAN port IP of the router through the HTTPS protocol. Once enabled, there is a risk of being attacked by hackers, and long-term activation is not recommended.



Caution

After enabling remote web, the router is at risk of attack. Please close the remote web in a timely manner.

5.5 WPS

The WPS key of the router can be used to connect the terminal device to the network of the router with no password, or to connect your router to the upper-level devices with no password.



Note

- Make sure WPS is supported by the connected device or upper-level router.
- Make sure the route is activated.

Step 1 Put the terminal device within 1 meter of the router.

Step 2 Enable WLAN and tap the network to access.

Step 3 Press and hold the WPS button of the router frame for 1~3 seconds. The router's pilot light flashes blue, which means it is pairing.



Note

Long press for more than 5s to achieve secure relay to other routers with WPS mode enabled.

Chapter 6 System Maintenance

Select **More** → **System Maintenance** to upgrade, backup, restore the device to factory, log, etc.

6.1 Software Upgrade

Select **More** → **System Maintenance** → **Software Upgrade**.

Auto Upgrade

The function is enabled by default. After enabling automatic upgrade, every day from 2:00 to 5:30 in the morning, when the WAN port traffic is less than a certain threshold and a new version is detected, the device will automatically upgrade to the new version.

Manual Upgrade

Online upgrade and local upgrade are supported.

- Online Upgrade: Click **Check for Updates** after the new version is detected online.
- Local upgrade: Import local upgrade package file, and click **Upgrade**.

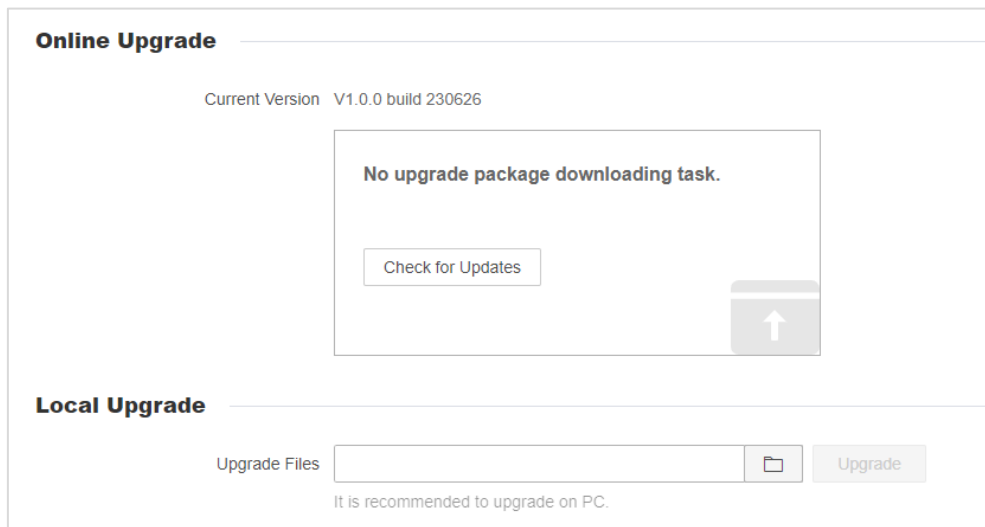


Figure 6-1 Manual Upgrade

Caution

Do not power off the device during upgrade.

6.2 Reboot Device

Select **More** → **System Maintenance** → **Reboot Device**.

Manual Reboot

Click **Reboot** to restart the device manually.

Schedule Restart

The status is disabled by default. After enabling scheduled restart, the device will automatically restart every day from 3:00 to 5:00 in the morning when the WAN port traffic is less than a certain threshold. During device restart, all connections will be disconnected.

The screenshot shows two sections: **Manual Reboot** and **Schedule Maintenance Restart**. In the **Manual Reboot** section, there is a 'Reboot Device' label and a 'Reboot' button. In the **Schedule Maintenance Restart** section, there is an 'Enable' toggle switch that is turned on (green). Below the toggle, a note states: 'Device will automatically restart at 2:00 am~5:30 am when the WAN port has low Internet traffic.' At the bottom of this section is a blue 'Save' button.

Figure 6-2 Timed Restart

6.3 Backup and Restore

Select **More** → **System Maintenance** → **Backup and Restore**.

- Backup: Click **Export** to export the router configuration file to local.
- Restore: Import the exported configuration file to the device, and restore the previous configuration.
- Restore to default: Restore all settings of the device to factory status.

The screenshot shows three sections: **Backup**, **Restore**, and **Restore to Defaults**. In the **Backup** section, there is a 'Device Parameters' label and an 'Export' button, with a note below: 'It is recommended to export on PC.' In the **Restore** section, there is a 'Device Parameters' label, a file selection input field with a folder icon, and an 'Import' button, with a note below: 'It is recommended to import on PC.' In the **Restore to Defaults** section, there is a 'Restore to Defaults' label and a 'Restore' button, with a note below: 'Click on Restore to reset all settings to defaults.'

Figure 6-3 Backup and Restore

Note

Restoring previous configuration does not include restoring device management IP address and password.

6.4 Log Management

Select **More** → **System Maintenance** → **Logs** to manage logs.

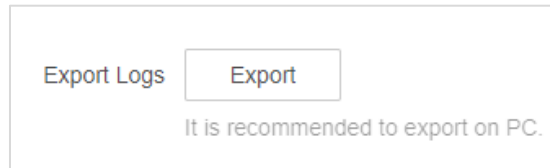


Figure 6-4 Log Management

Click **Export** to export the log information of the device to the local computer.

Note

The exported log file is only available for viewing and using by maintenance personnel.

6.5 Diagnosis

Select **More** → **System Maintenance** → **Diagnose**. Click **Diagnose** to check the router network connection status. Please check the connection status and select whether to upload the result to cloud server.

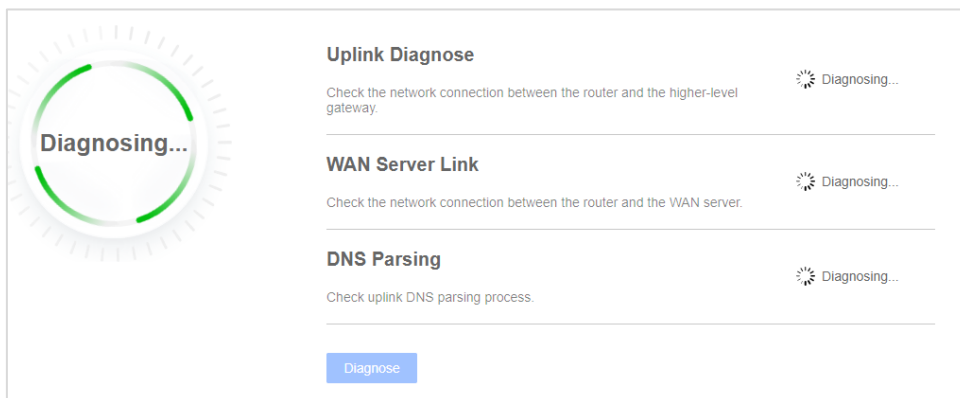


Figure 6-5 Diagnosis Network

Chapter 7 Terminal and User Management

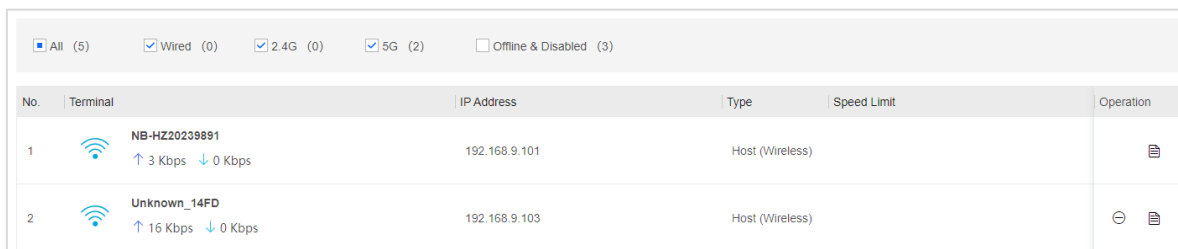
View related information of terminals connected to the router's Wi-Fi, and change user password and log out.

7.1 Terminal Management

Parents can add terminals connected to router's Wi-Fi to the list, so that family members (especially minors) can develop correct online habits.

Check List

Click **Terminal** on the home page to view and manage online, offline, and disabled terminals.










No.	Terminal	IP Address	Type	Speed Limit	Operation
1	 NB-HZ20239891 ↑ 3 Kbps ↓ 0 Kbps	192.168.9.101	Host (Wireless)		
2	 Unknown_14FD ↑ 16 Kbps ↓ 0 Kbps	192.168.9.103	Host (Wireless)		 


Figure 7-1 Terminal List

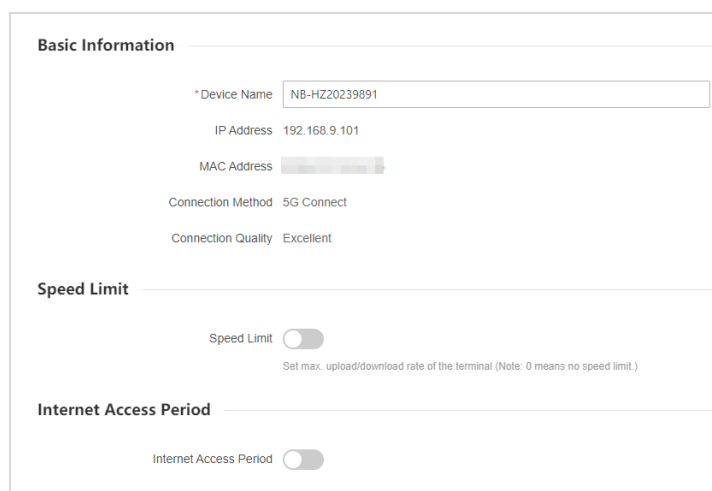
Restrict Internet Access

Click  to restrict the current terminal.

Optional: To remove the network connection limit of the terminal, check **Offline & Disabled** and click .

Configure Terminal Network

Click to  view current terminal details and configure terminal connection status.



Basic Information

Device Name:

IP Address: 192.168.9.101

MAC Address:

Connection Method: 5G Connect

Connection Quality: Excellent

Speed Limit

Speed Limit:

Set max. upload/download rate of the terminal (Note: 0 means no speed limit.)

Internet Access Period

Internet Access Period:

Figure 7-2 Terminal Details

- **Speed Limit:** The network speed of the current terminal can be limited.

Figure 7-3 Limit Speed

- **Internet Access Period:** The time period during which the current terminal can connect to the network. Out of the set time period, the terminal can connect to Wi-Fi, but the network cannot be connected. Up to 3 items can be set.

Figure 7-4 Set Internet Time Period

- **Filter URL:** Set a domain name that is prohibited from accessing the current terminal. Up to 16 items can be set.

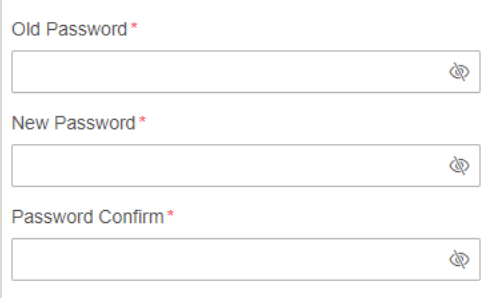
Figure 7-5 Add URL

7.2 User Management

Modify Password

Step 1 Click **Modify Password** in the upper-right corner of the page.

Step 2 Enter old password and new password.



The image shows a web form for modifying a password. It consists of three vertically stacked input fields, each with a label and a red asterisk indicating it is required. The labels are 'Old Password *', 'New Password *', and 'Password Confirm *'. Each input field has a small eye icon on the right side, which typically allows the user to toggle between showing and hiding the password characters.

Figure 7-6 Modify Password

Step 3 Click **OK**.

Log Out

Step 1 Click **Log Out** in the upper-right corner of the page.

Step 2 Click **OK**

Chapter 8 Device Information

Click **More** → **Basic Information** to view basic device information and network information.

8.1 Basic Information

View device model, serial No., system version, and customize device name.

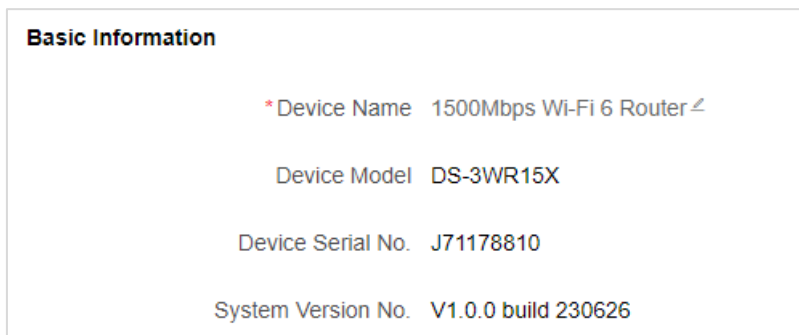


Figure 8-1 Basic Information

8.2 Internet Access Information

Check device network IP address, subnet mask, gateway, and DNS server information.



See Far, Go Further