WAVLINK
see the world

WavRouter

App User Guide

Version V3.2.2

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Getting Started

About This Guide

This guide introduces the features and operation of the WavRouter App to help you complete the initial setup and daily management of WAVLINK routers, switches, and wireless access points (APs). The features available in the app may vary depending on the device model, firmware version, and operating mode (router / AP / repeater); please refer to the actual interface display for details.

App Overview

The WavRouter App is a unified management tool for WAVLINK network devices. It allows users to remotely manage routers, switches, and wireless access points from their smartphones and perform all routine operations, including internet configuration, Wi-Fi settings, Mesh networking, VPN, port forwarding, parental Wi-Fi controls, and firmware updates.

Users can log in to their accounts, pair Mesh routers, and configure all network settings through the WavRouter app.

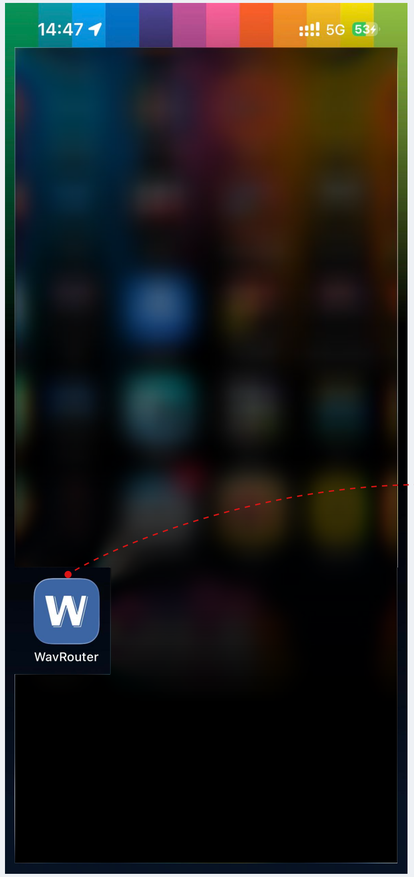
- Account Login and Third-Party Authorization Verification
- Mesh Router Discovery, Pairing, and Location Setup
- Dual-Band Wireless Integration and Parental Control Configuration
- Internet Connection Mode Switching and Static IP Assignment
- NAT Forwarding and Security Firewall Settings
- System Firmware Updates and Scheduled Restart Management

Log In / Sign Up

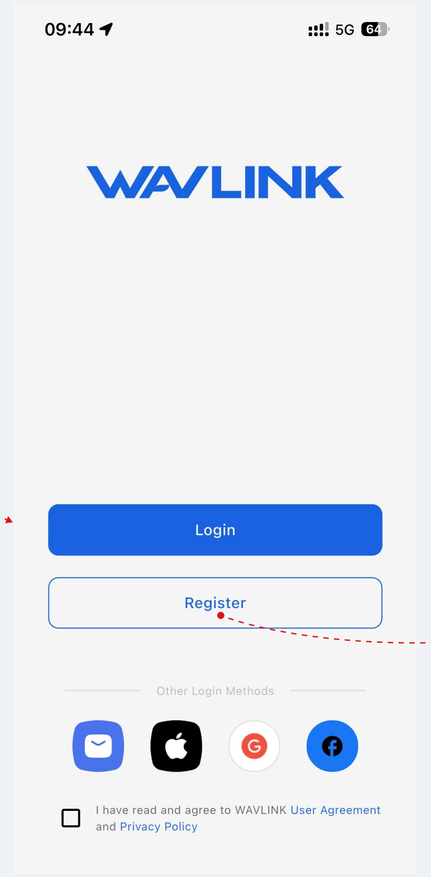
Register

Download the WavRouter app and tap to open it. The first time you open the app, check the box next to “I have read and agree to the Terms of Service and Privacy Policy,” then select “Register.” On the registration page, enter your email address to register.

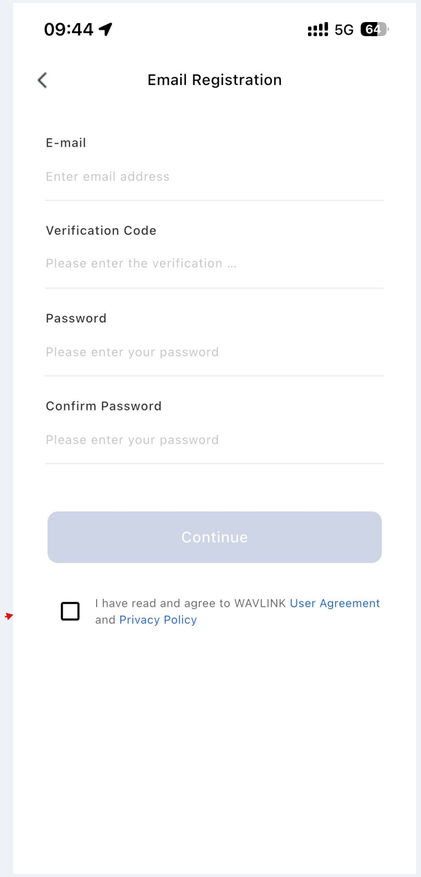
Tap the WavRouter appicon on your phone's home screen to launch the app



Click the “Register” button



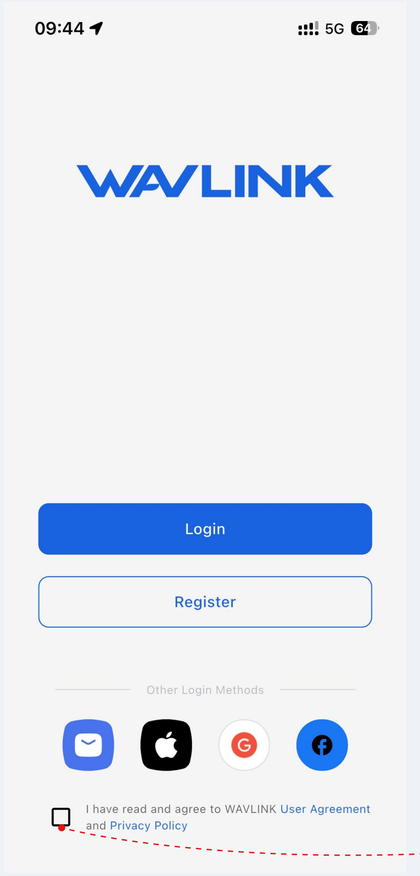
Enter your email address, verification code,password, and confirm your password to register



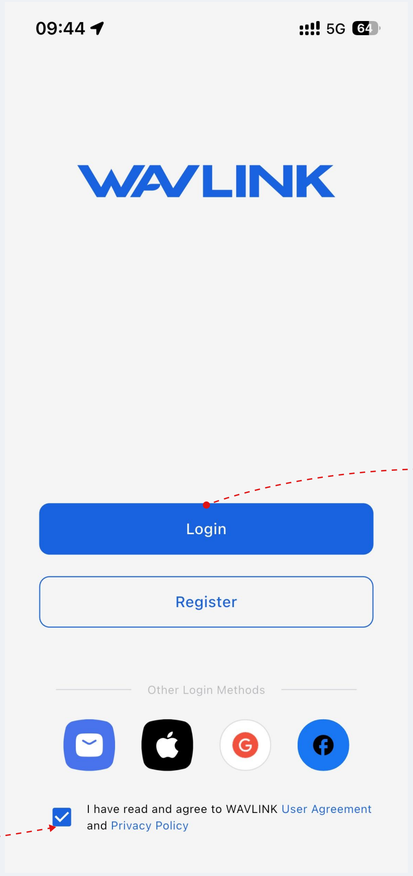
Log In

After completing registration, you can choose to log in immediately. We support various login methods, including email verification codes, Apple ID, Google Account, and Facebook.

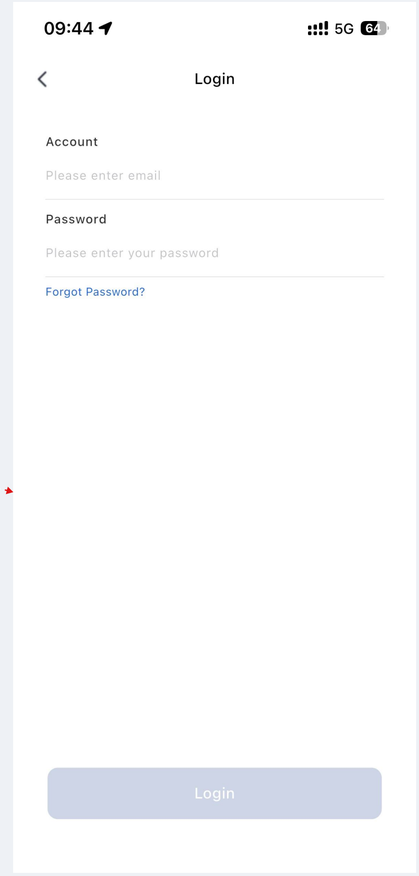
Check the box next to “I have read and agree tothe Terms of Service and Privacy Policy”



Click the “Log In” button



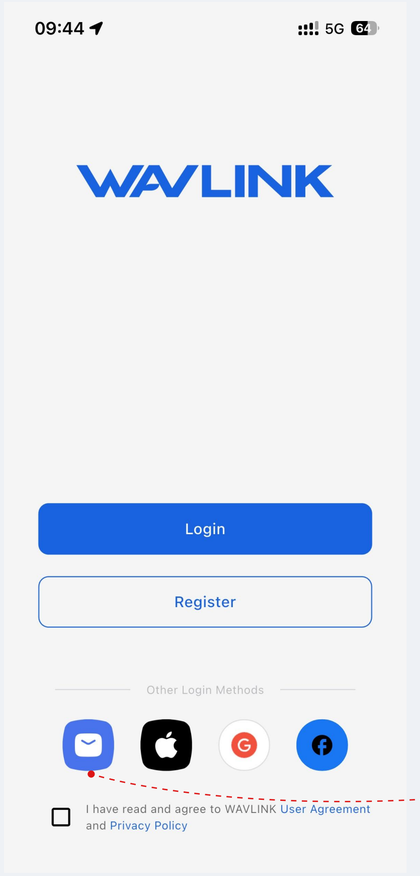
Enter your username and password to log in



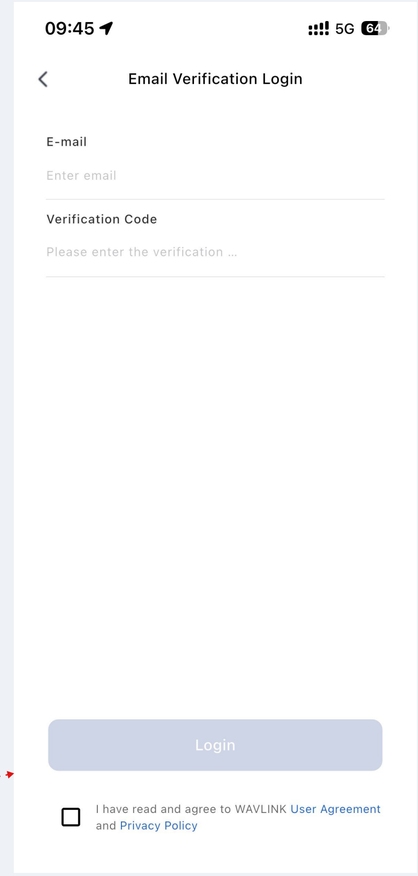
Email Verification and Login

On the login page, you can choose to verify your login using your email address.

Select and click the button



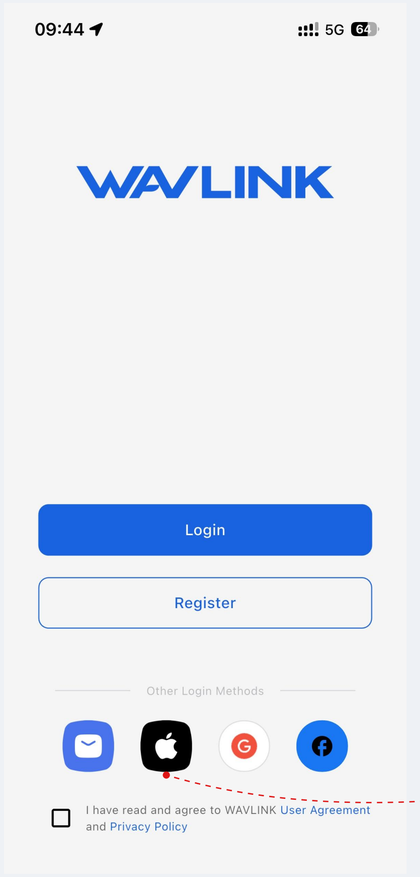
Enter your cell phone number to receive a verification code.Log in.



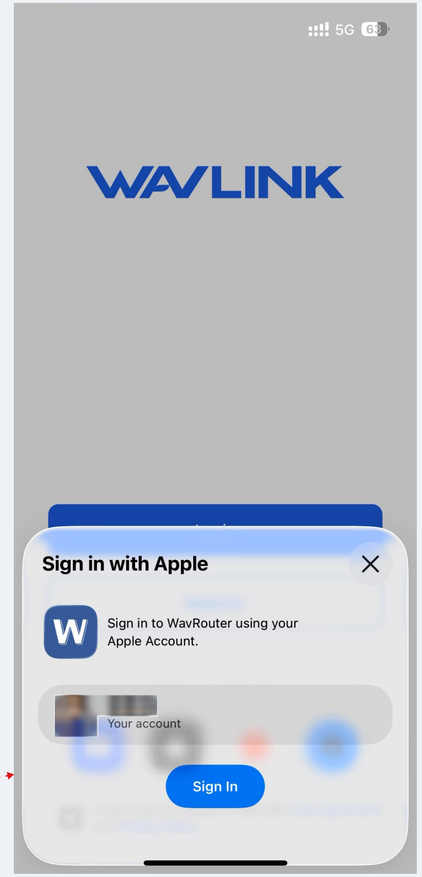
Sign In with Apple Account

On the login page, you can choose to sign in with your Apple ID.

Select and click the button



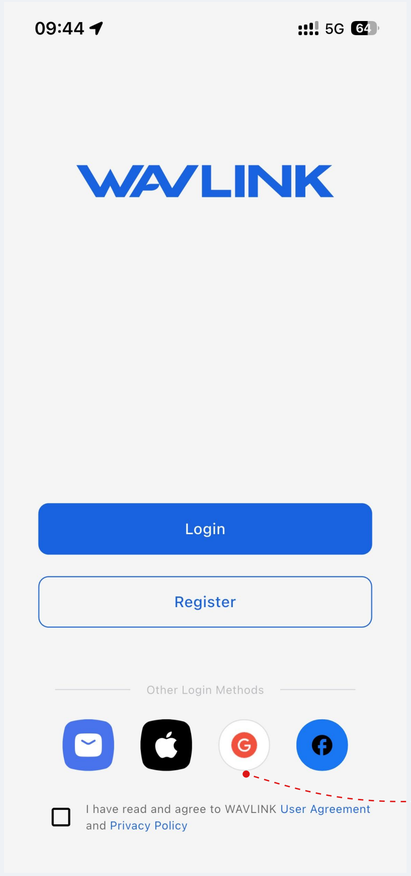
Use your Apple ID and click “Sign In”



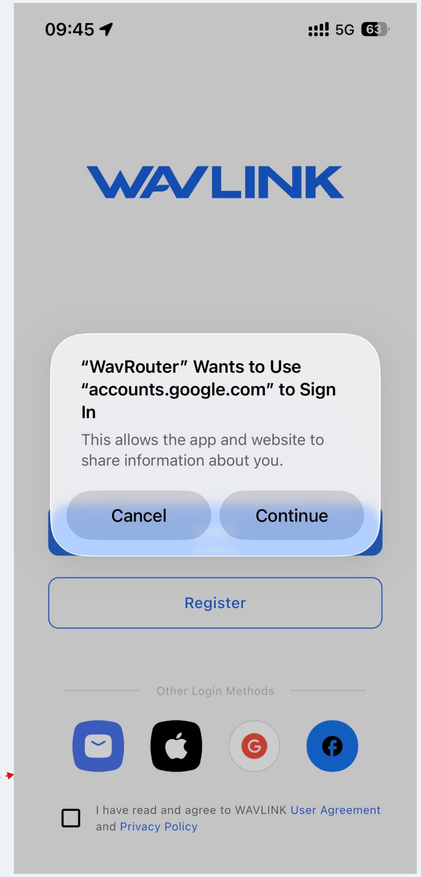
Sign in with Google Account

On the login page, you can choose to sign in with your Google account.

Select and click the button



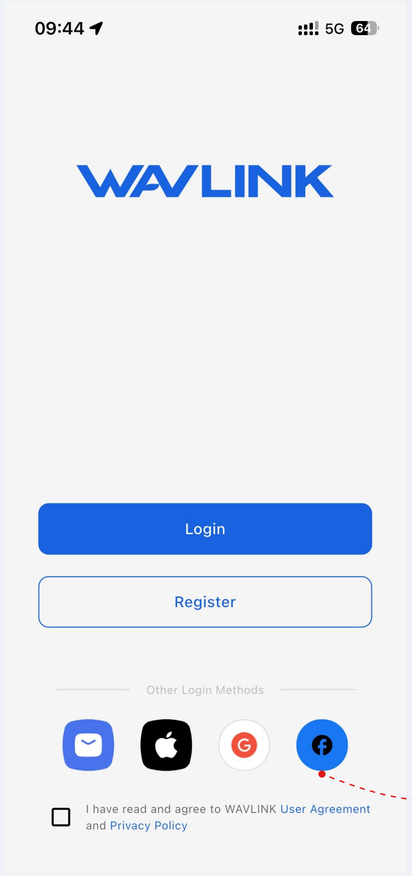
Go to “accounts.google.com” and click “Continue” to sign in.



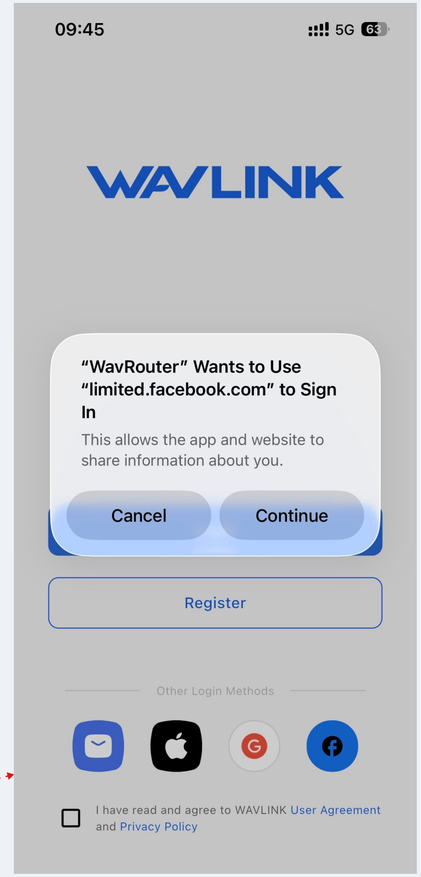
Log In with Facebook Account

On the login page, you can choose to log in with your Facebook account.

Select and click the button



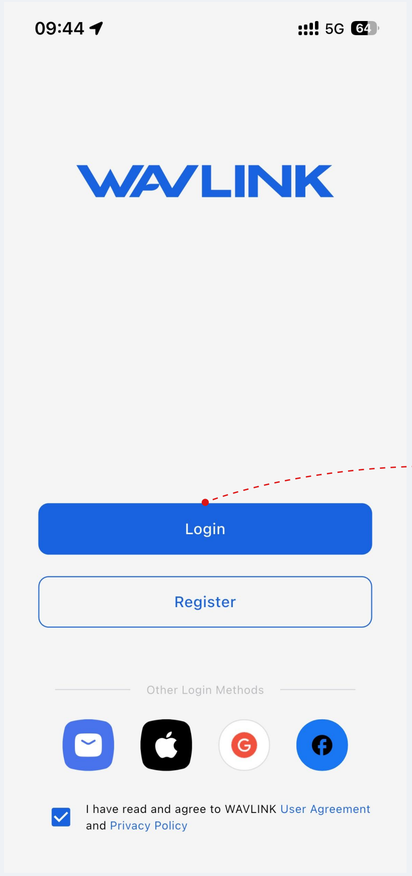
Go to “limited.facebook.com” and click “Continue” to log in.



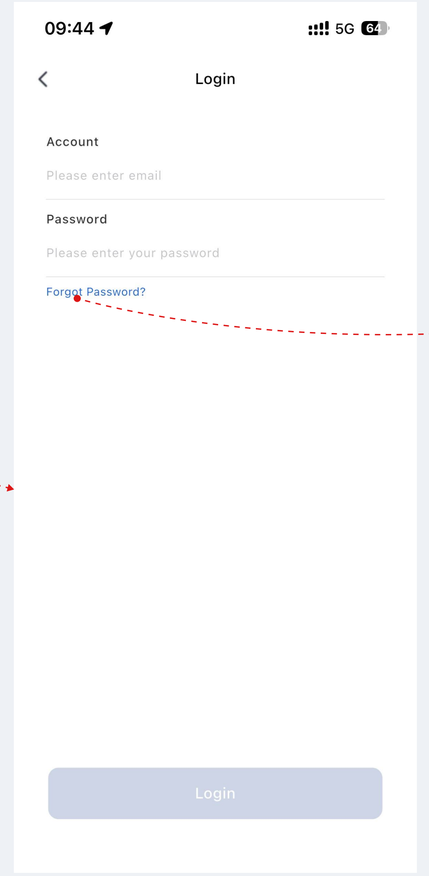
Forgot Password

On the login page, if you forget your password, you can reset it.

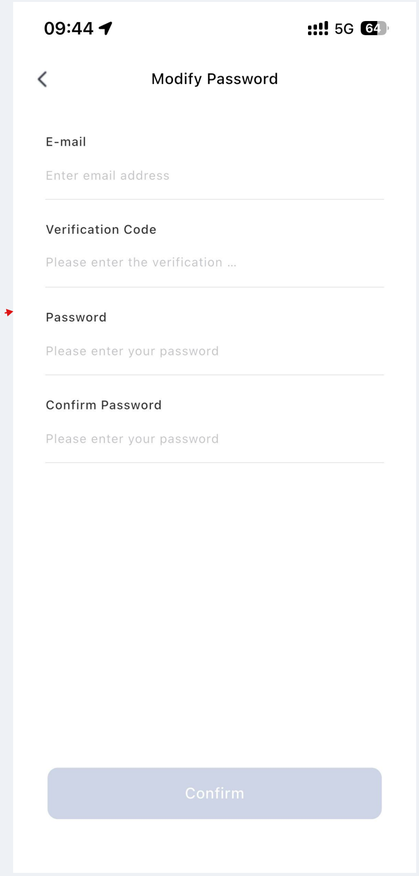
Click “Log In” on the login page



Click “Forgot Password” on the login page



Enter your email address toreset your password

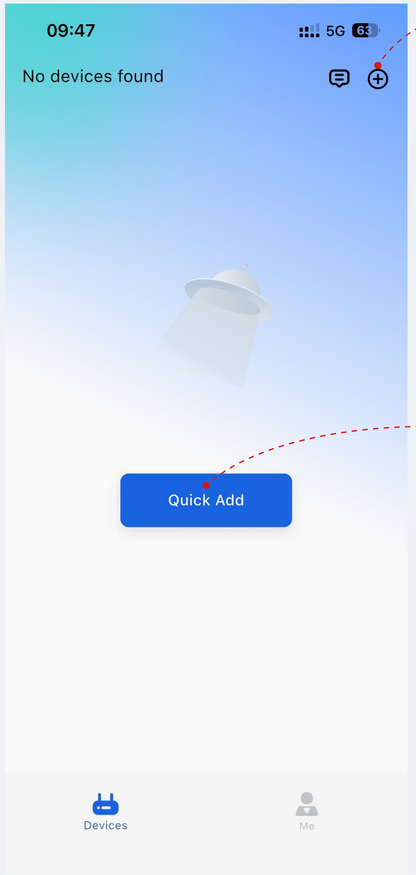


Pair Device

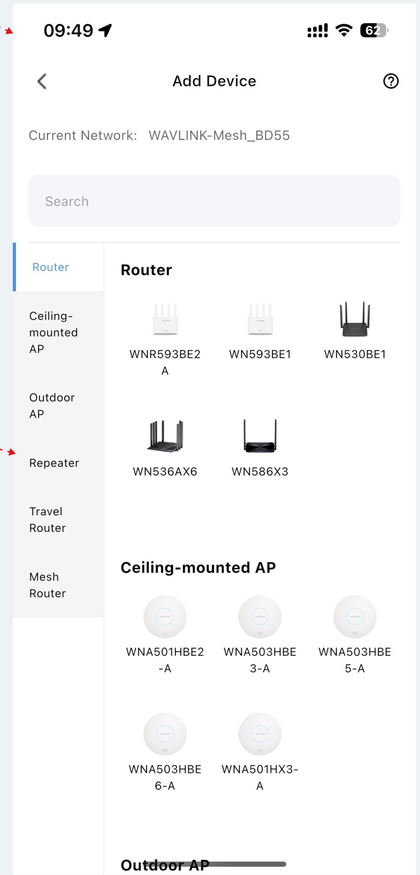
Wizard for Initializing Internet Access

Welcome to the Router Setup Wizard. The following steps will guide you through network connectivity testing, Wi-Fi name and password configuration, and administrator permission settings. You'll be able to set up your network in just a few steps. During setup, please keep your phone close to the router and connect to the router's initial Wi-Fi network to ensure a stable connection. If you encounter any issues, please refer to the troubleshooting guide or restart the device and try again.

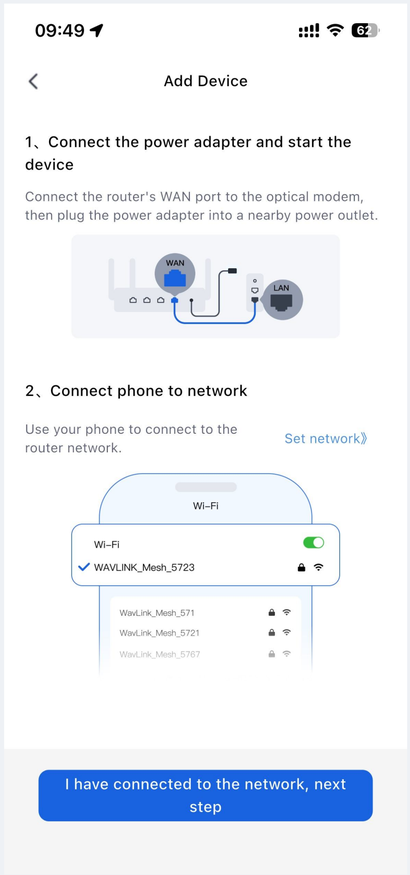
Tap the "+" in the upper-right corner or tap the "Quick Add"button



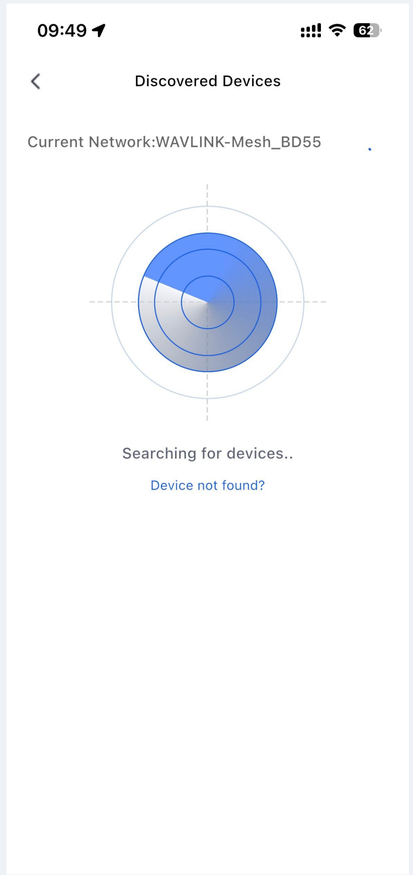
Select the corresponding device



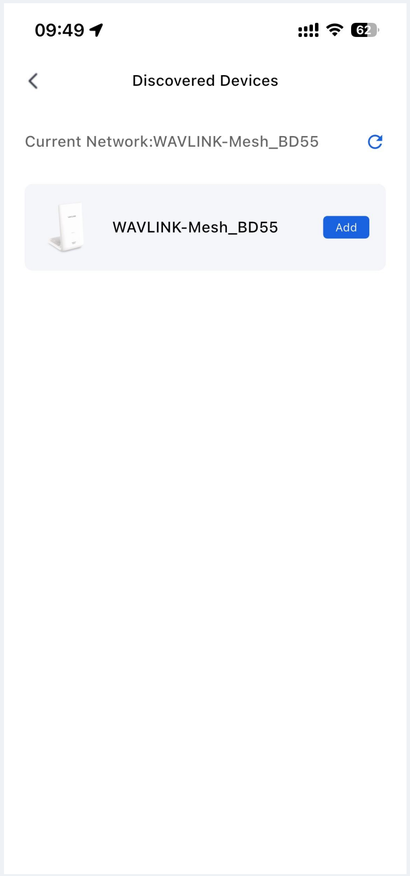
Follow the prompts to connect the device to a power source, connect your phone to the device's network, and tap "Next."



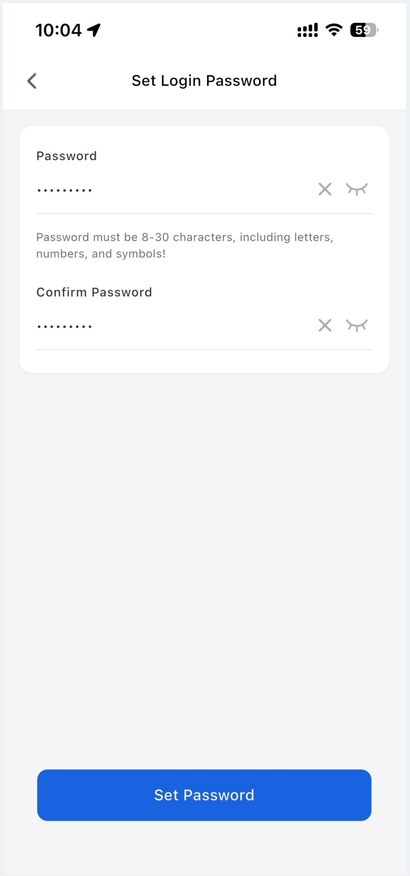
Waiting for search results



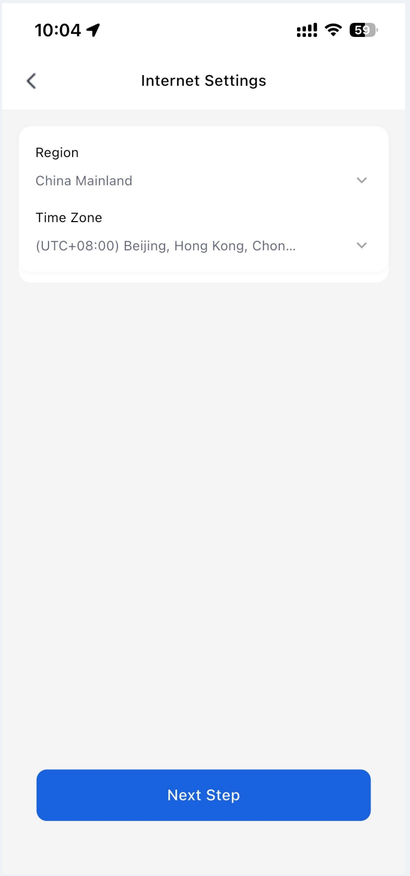
Find the device, click the “Add” button, and add the device.



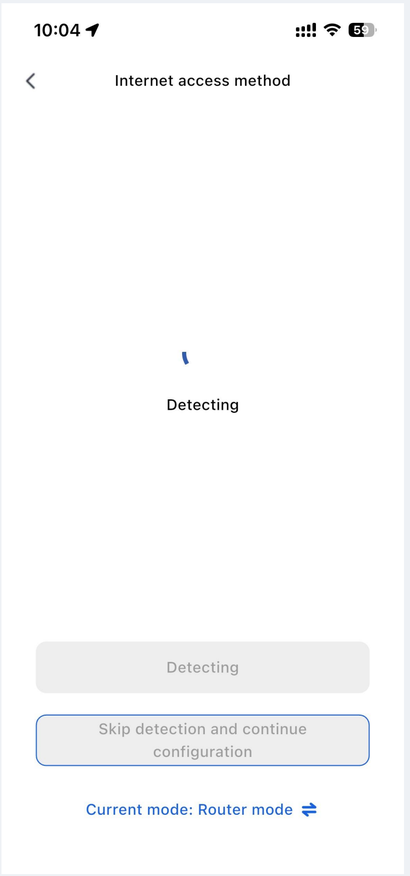
Enter the login password you have set up



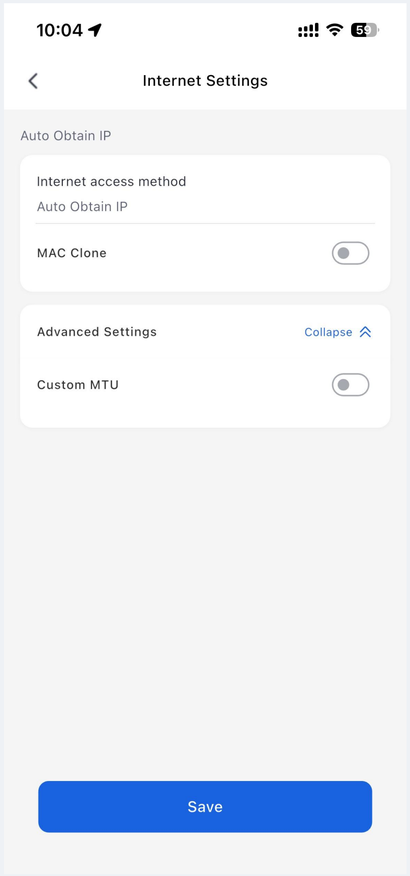
Set your region and time zone



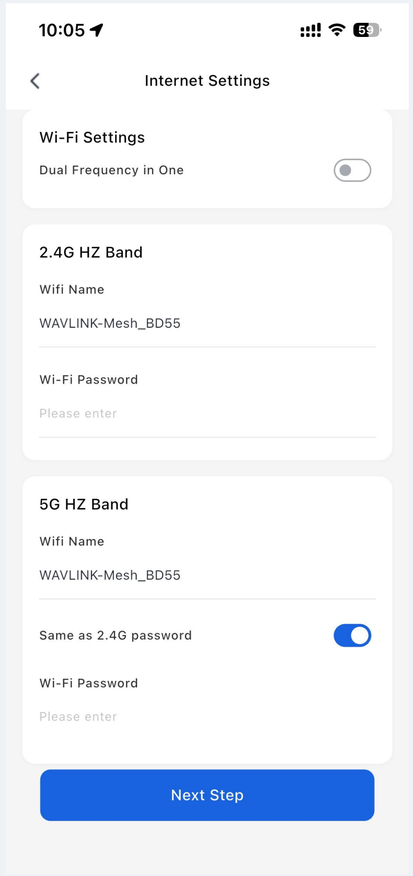
Waiting for detection; will automatically redirect



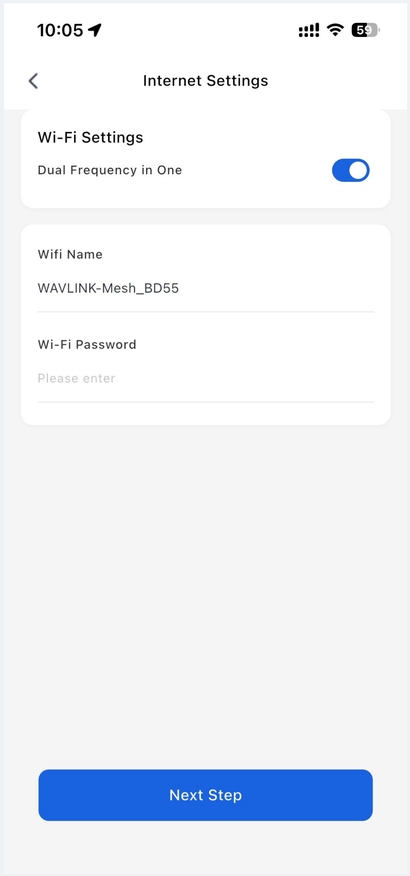
Configure the internet connection type, MAC cloning, andadvanced settings



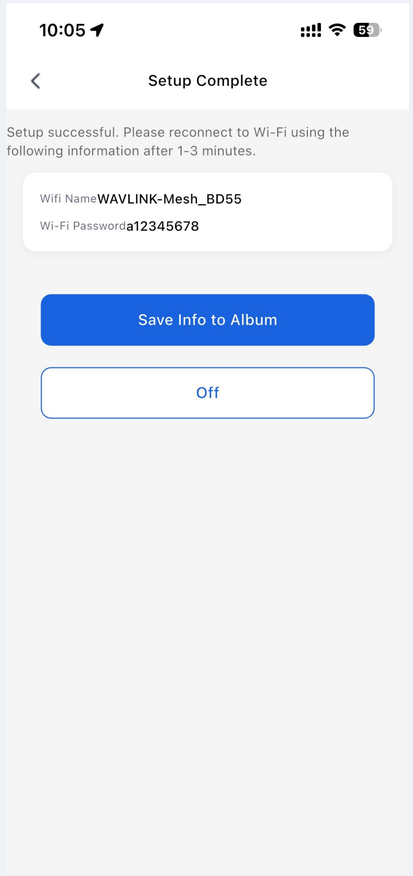
Set the network passwords for the 2.4 GHz and 5 GHz bands



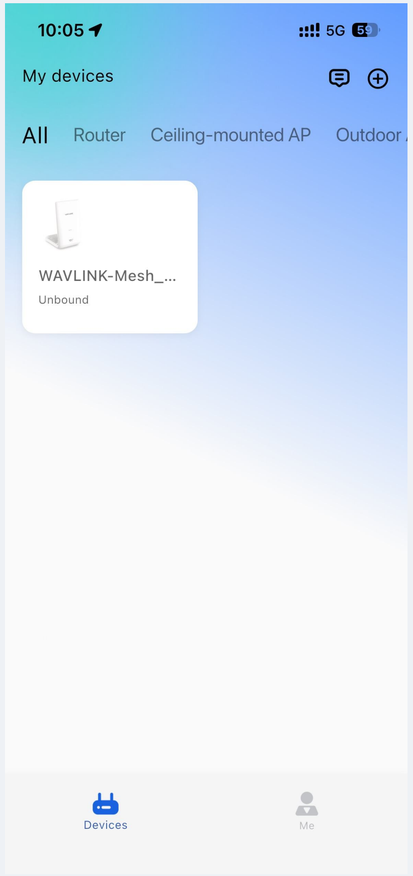
Enable dual-band mode and set the Wi-Fi to the samenetwork name and password



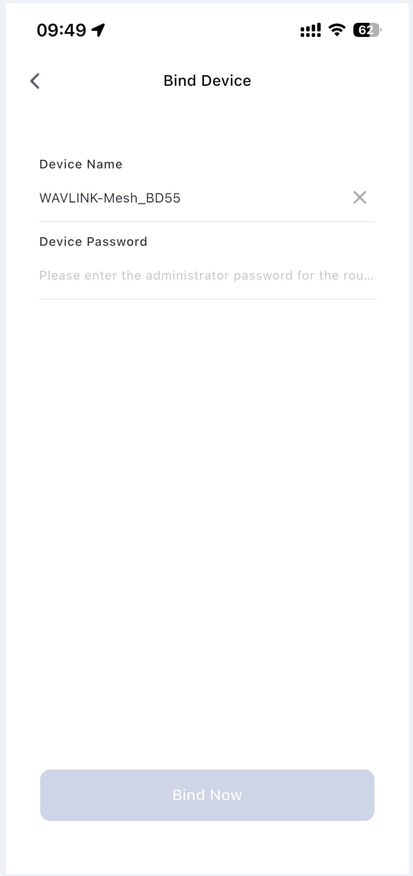
Once the setup is complete, write down the Wi-Fi name and password.We recommend saving them to your photo album.



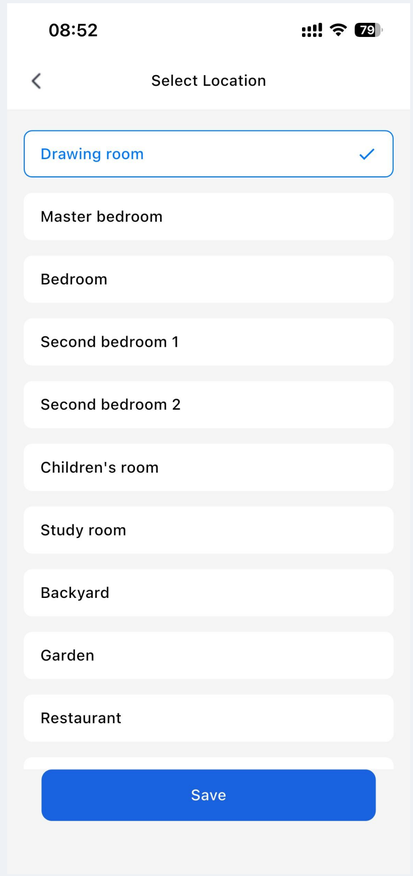
Return to the home page. The device is not bound; you need toreconnect your phone to the device's network, then tap the card.



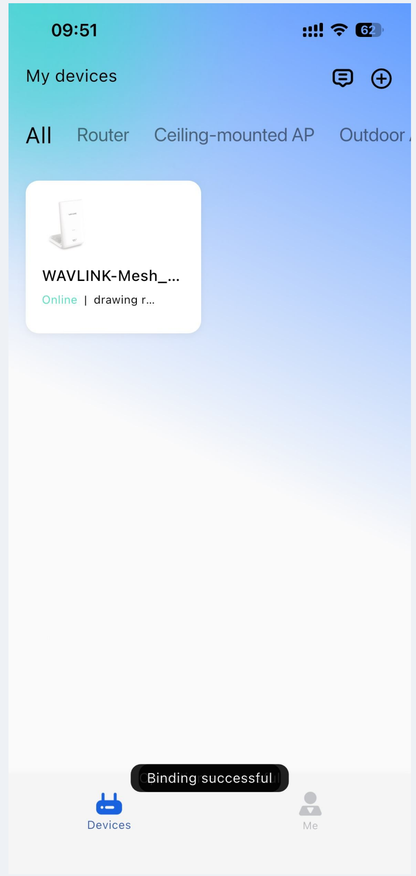
Enter the router's admin password



Select a location for the device so it's easy to find, then click“Save” to complete the pairing.



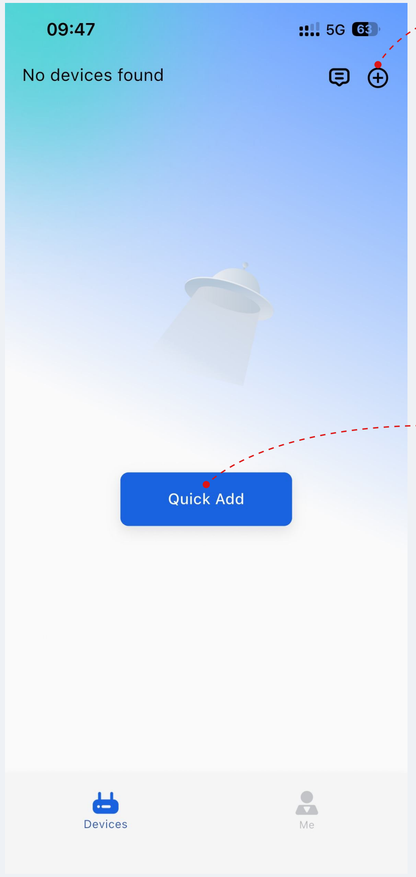
Device successfully paired; you will be automatically redirected to the home page.



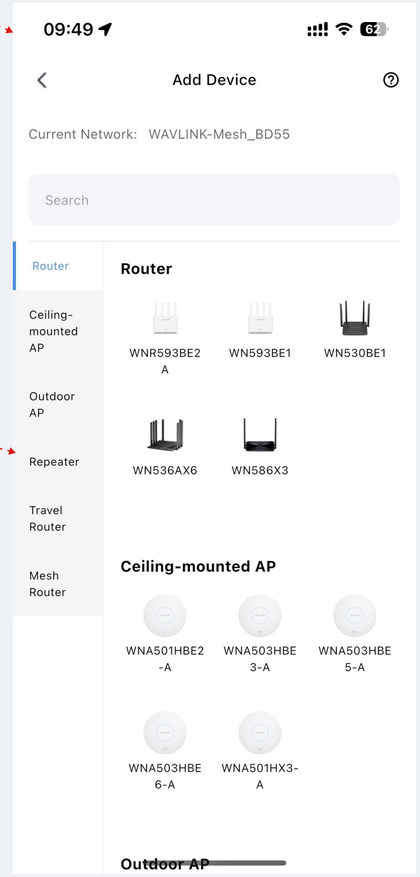
Add Device

When you first open the app and haven't paired any devices yet, you can tap the "+" icon in the upper-right corner of the home screen or tap the "Quick Add" button directly. The app will then begin searching for nearby devices ready for configuration. Follow the on-screen instructions to complete the pairing, name the device, and configure the internet connection.

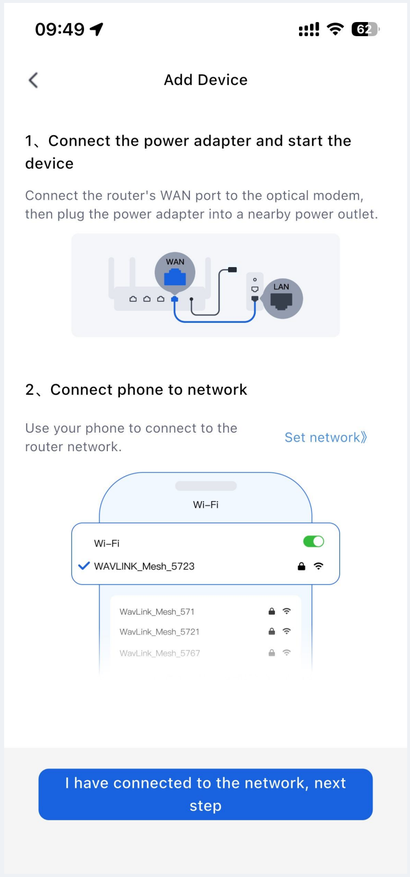
Tap the "+" in the upper-right corner or tap the "Quick Add"button



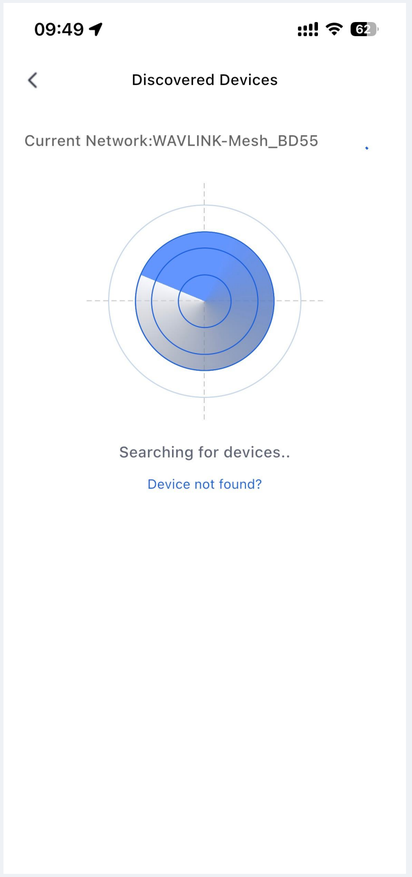
Select the corresponding device



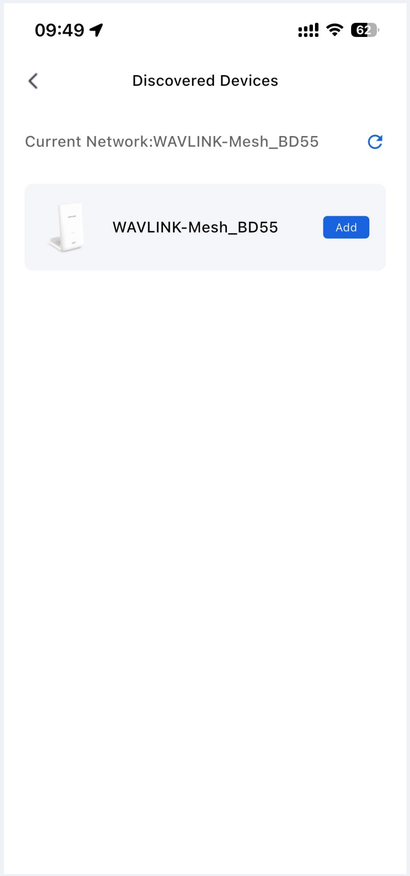
Follow the prompts to connect the device to a power source, connect your phone to the device's network, and tap "Next."



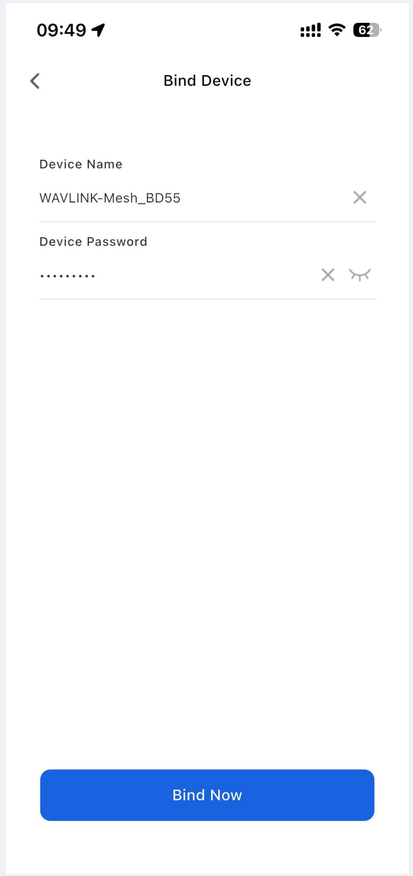
Waiting for search results



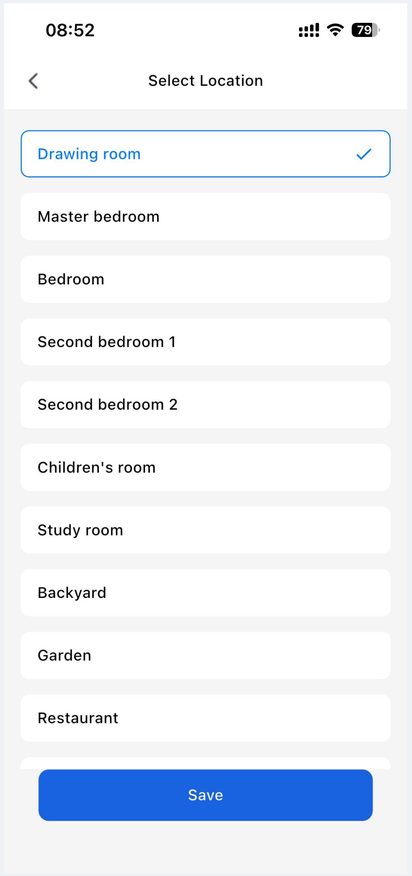
Find the device, click the “Add” button, and add the device.



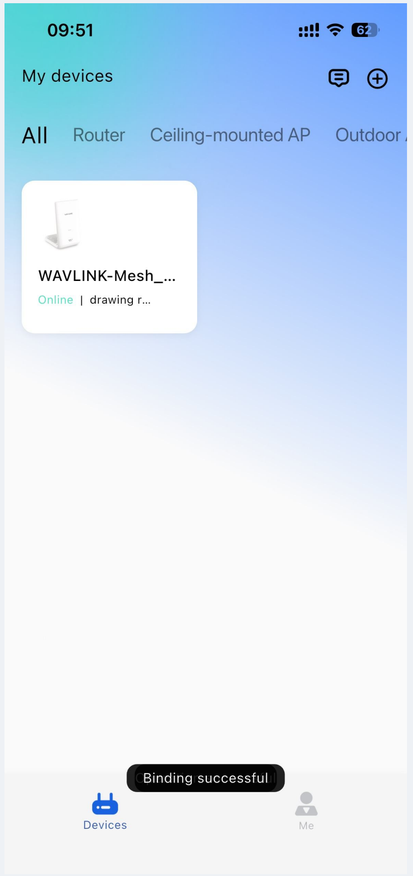
After entering the device password, click the “Bind Now”button below



Select a location for the device so it's easy to find, then click“Save” to complete the pairing.



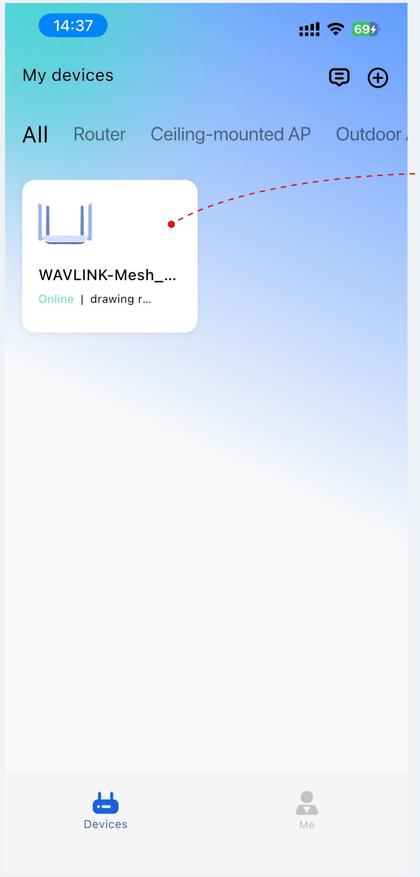
Binding successful. You will be automatically redirected to the home page.



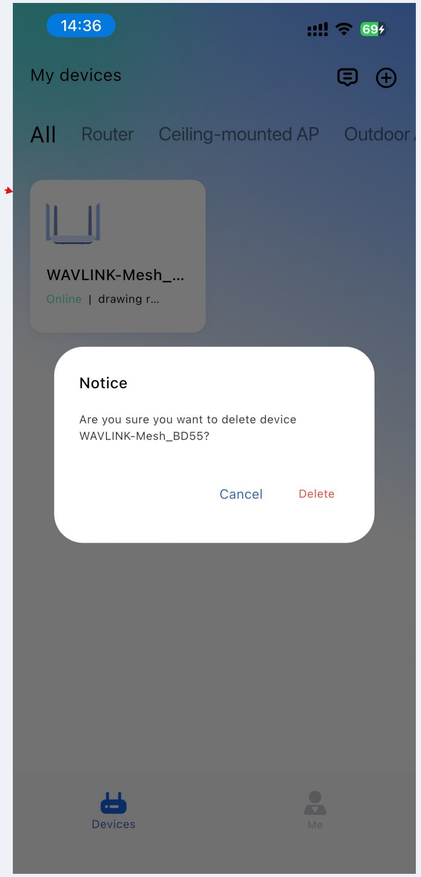
Unpair Device

There are two ways to unlink a device that has already been linked. 1. Long-press the device card on the home page to unlink it; 2. Go to the device details page and select “Device Information” to unlink it.

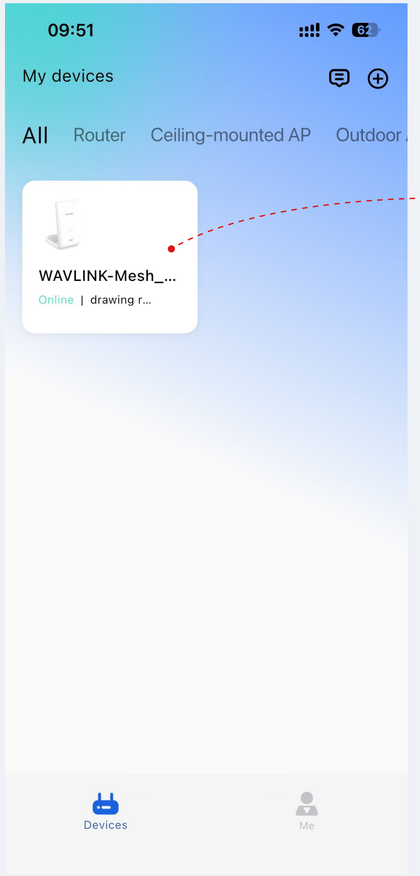
Long-press a device card on the home page



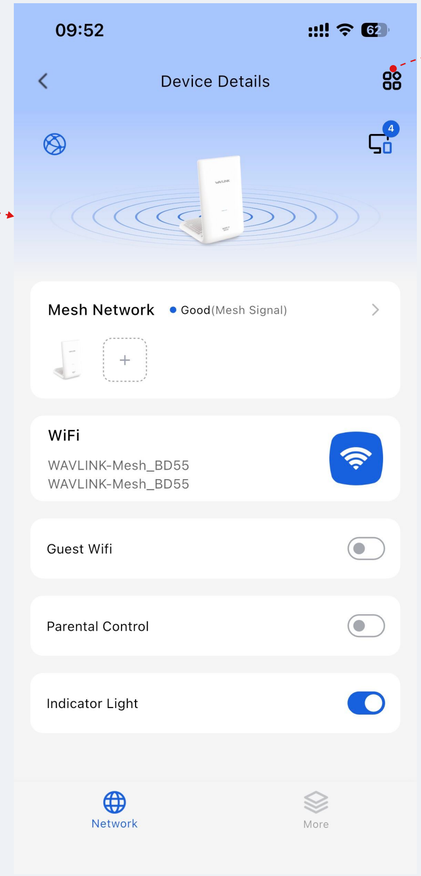
If a prompt to unpair the device appears, follow the instructions tounpair it.



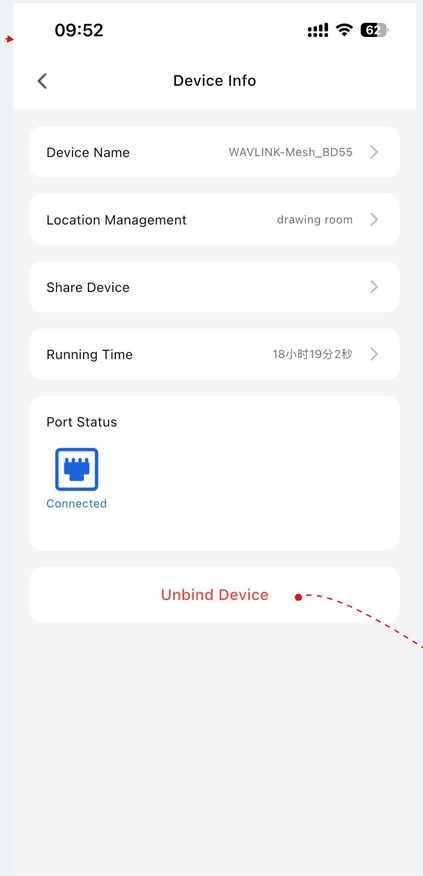
Click on the device card on the home page



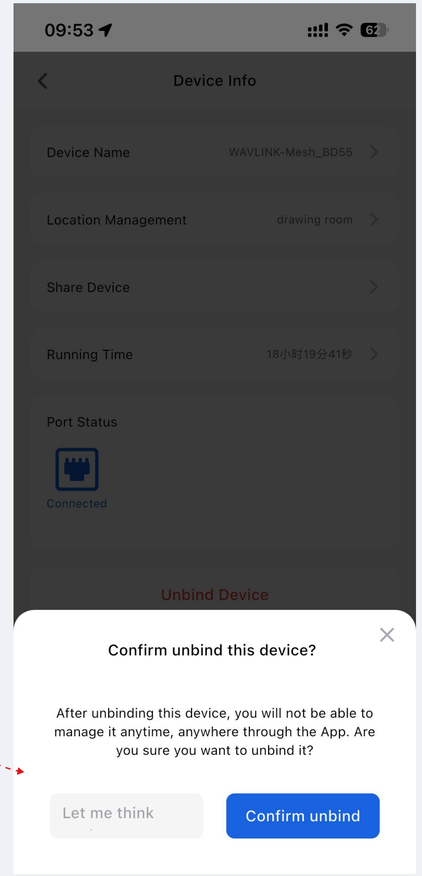
Go to the device details page, then click togo to the device information page



On the Device Information page, click “Unlink Device”



Just follow the prompts to unpair the device.



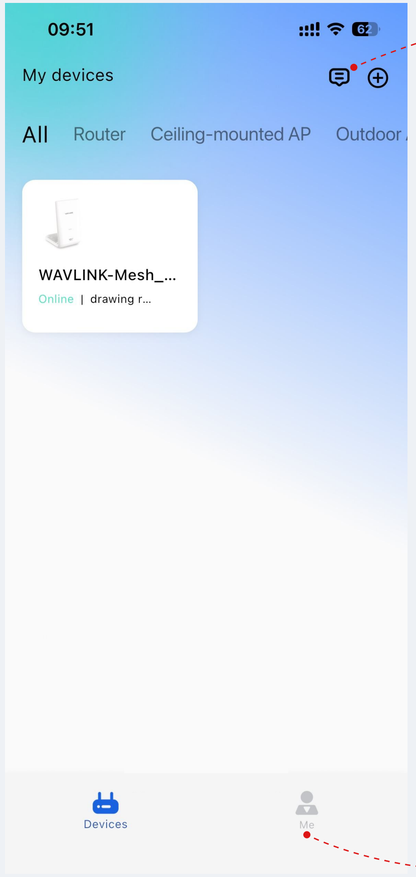
Home

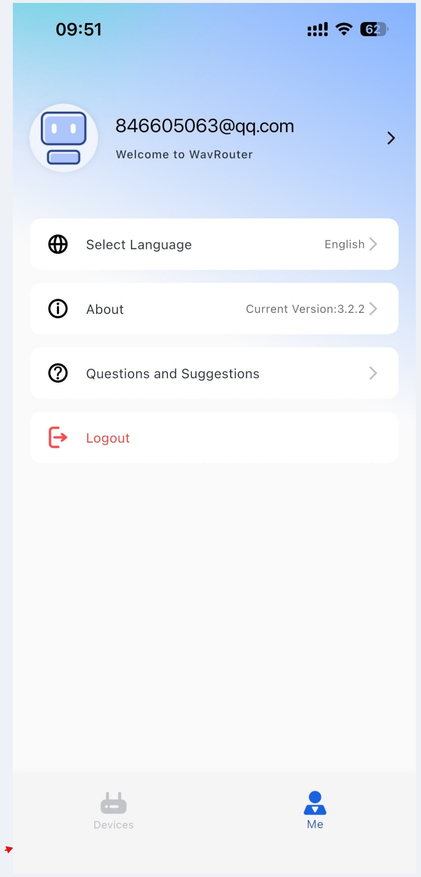
After logging in, go to the “Devices” home page. At the top of the page, click “All / Routers / Ceiling-Mounted APs / Outdoor APs / Repeaters / Travel Routers / Mesh Routers” to filter devices; each card displays the device model, online status, and location. In the upper-right corner, you’ll find message notifications and the “+” button to add devices. The bottom navigation bar includes two options: “Devices” and “My.”

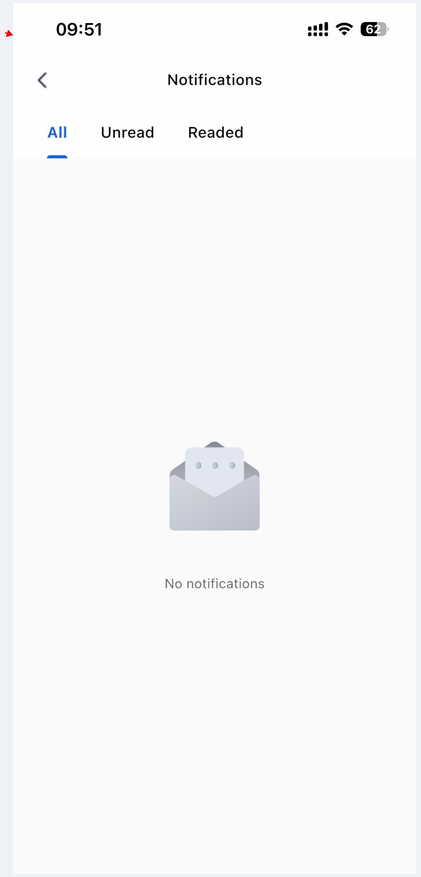
The “Devices” and “My” navigation options at the bottomSwitch between pages

Go to the “My” page

Go to the Notifications page to view device notificationsInformation





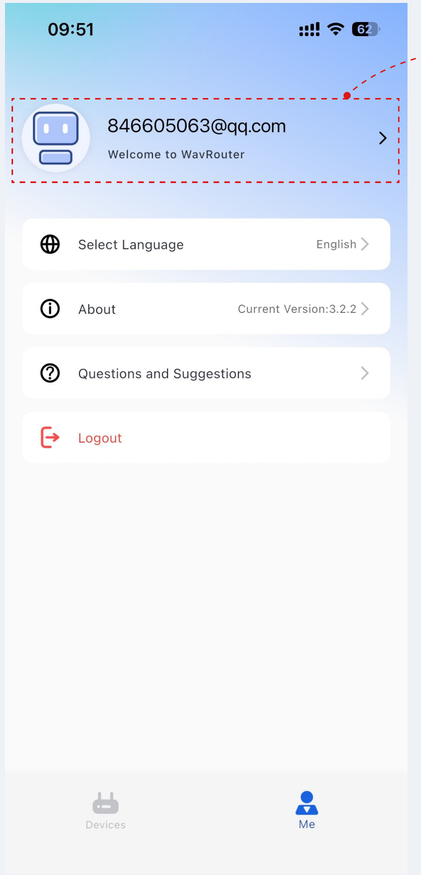


Personal Information

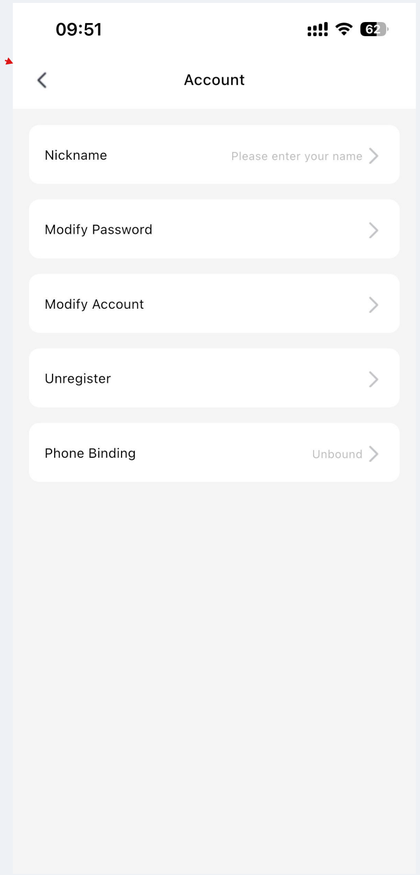
Personal Information

Tap “My” in the bottom navigation bar to access your account settings, where you can edit your nickname, password, account information, email address, and devices.

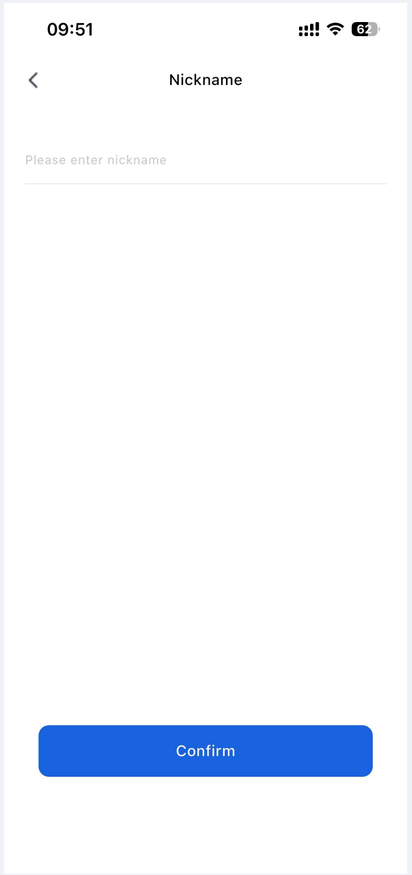
Click on the avatar or nickname area, or on the arrow



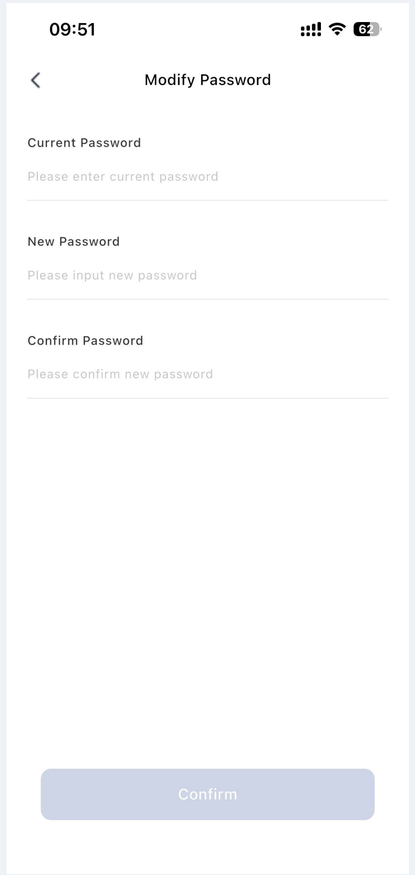
Go to “Edit Account” to edit and update your nickname, password, account,and email address.



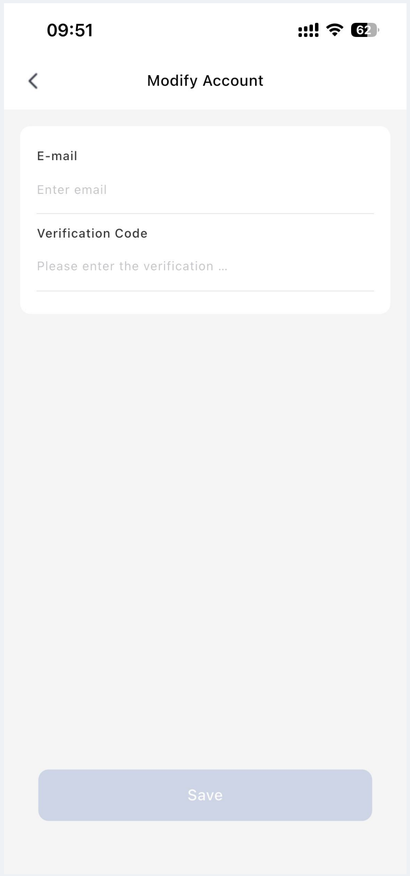
You can edit your nickname by typing in the text box.



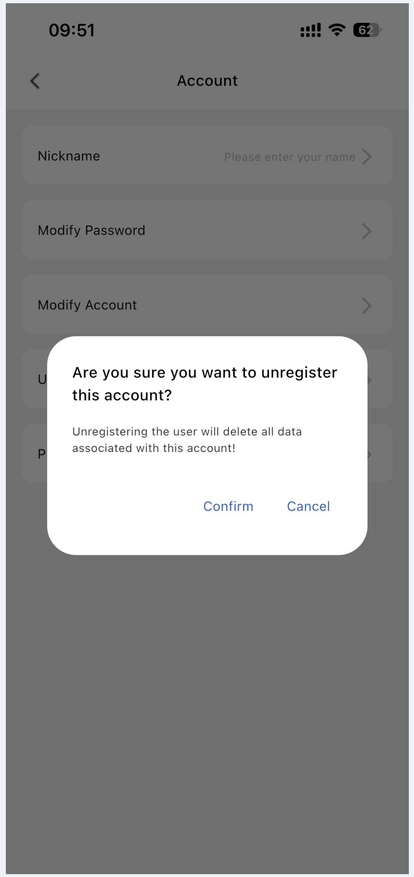
Edit the text to change your password.



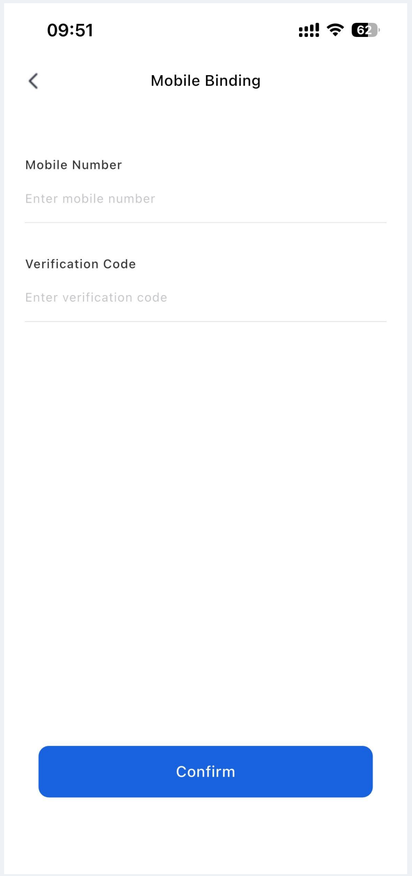
Enter your cell phone number, get the verification code, and you'llbe able to change your account information.



Delete Account: Please note that all data associated with this account will be deleted.



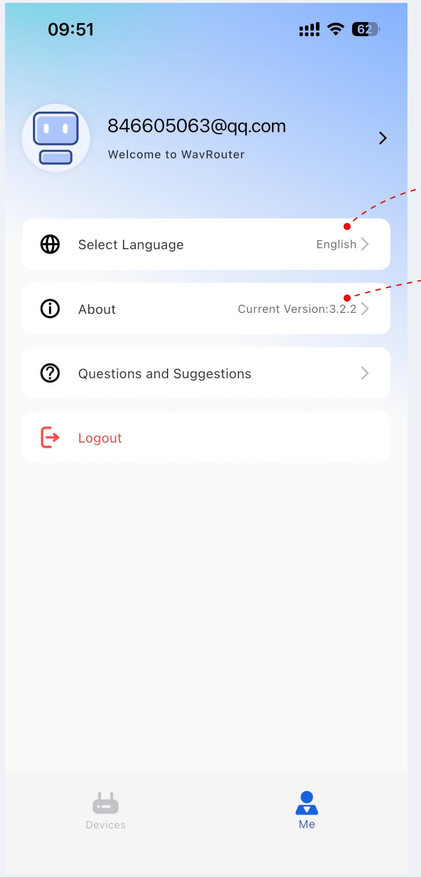
Enter your cell phone number, get the verification code, andyou're all set to link your phone number.



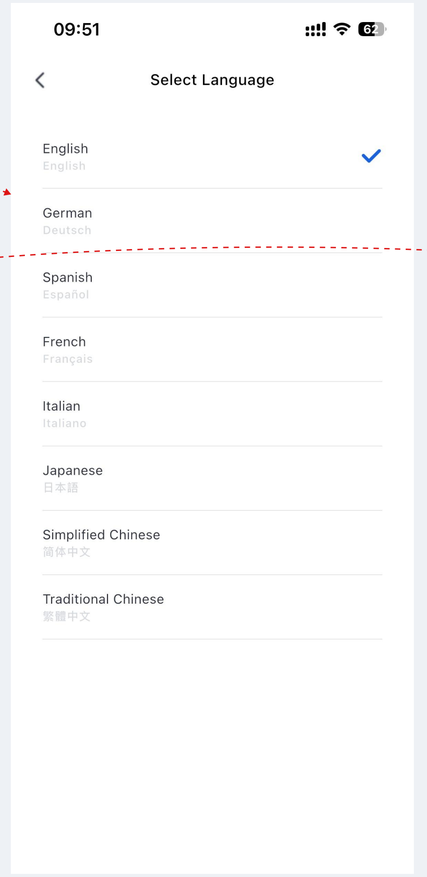
My

Tap “My Account” in the bottom navigation bar to manage your account, language settings, “About,” “Help,” and “Privacy.”

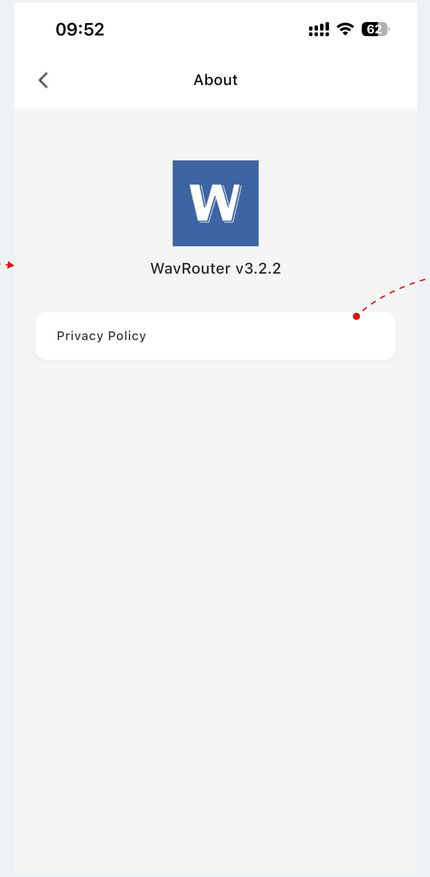
Click on the “My Page” link in the navigation bar at the bottom of the homepage.



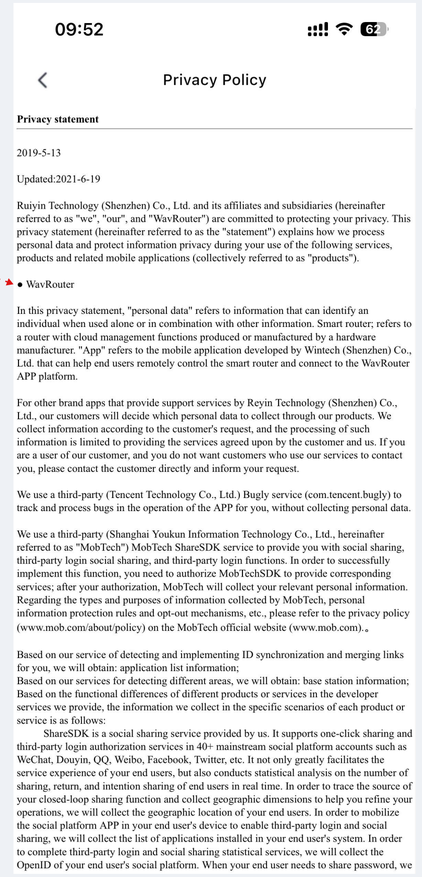
Select a language—multiple languages are available



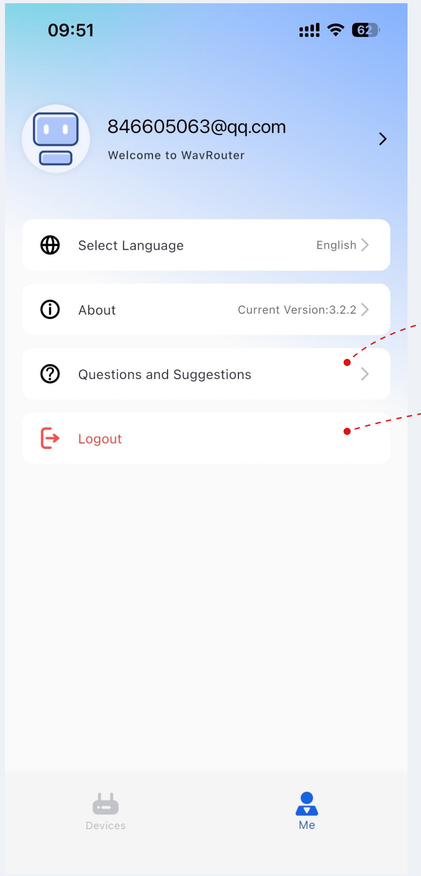
Check the app's current version



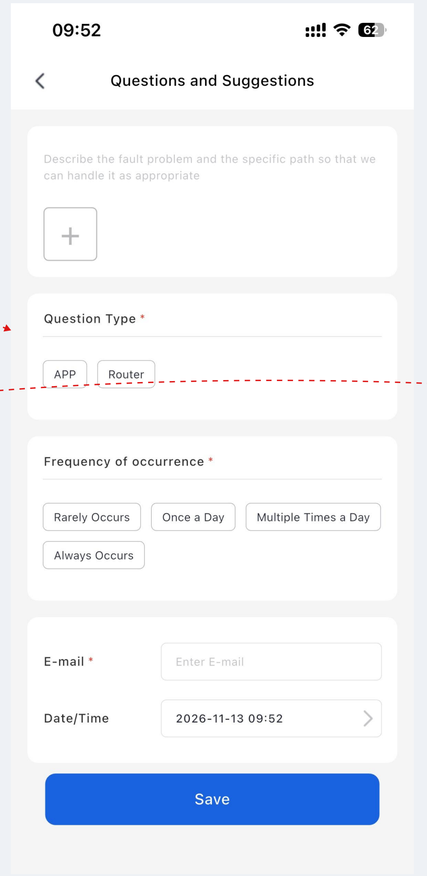
View the Privacy Policy



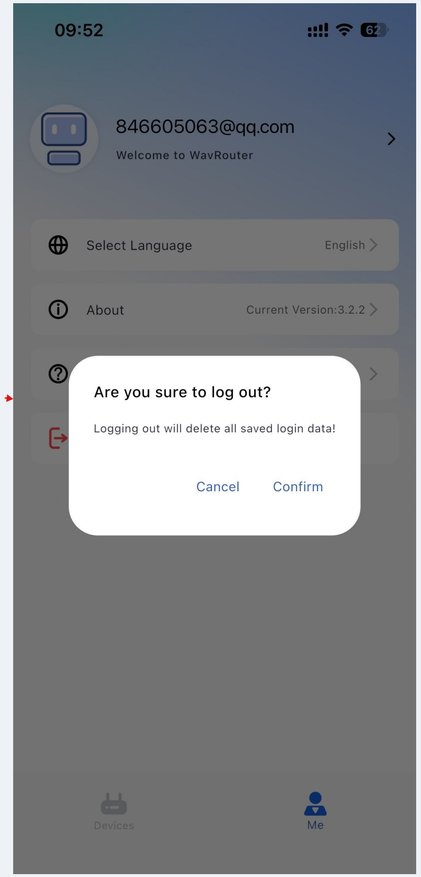
Click on the “My Page” link in the navigation bar at the bottom of the homepage.



Describe the problem and the specific path so that it can beinvestigated and resolved.



Log out of your account. Please note that logging out will delete your logindata.

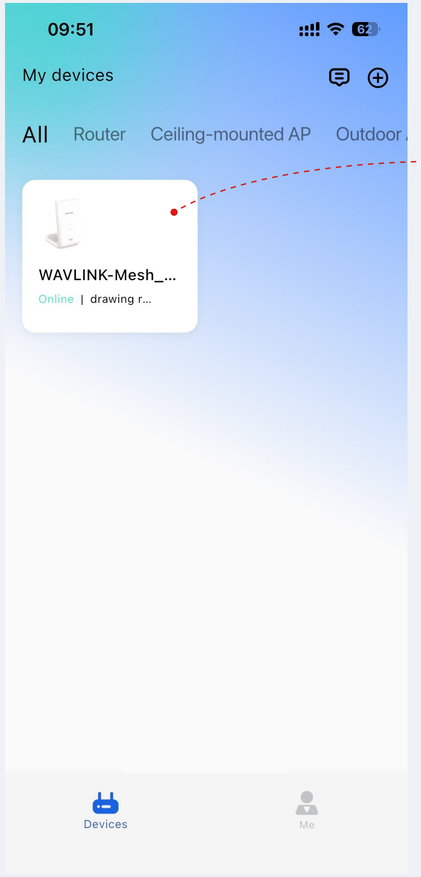


Device Information

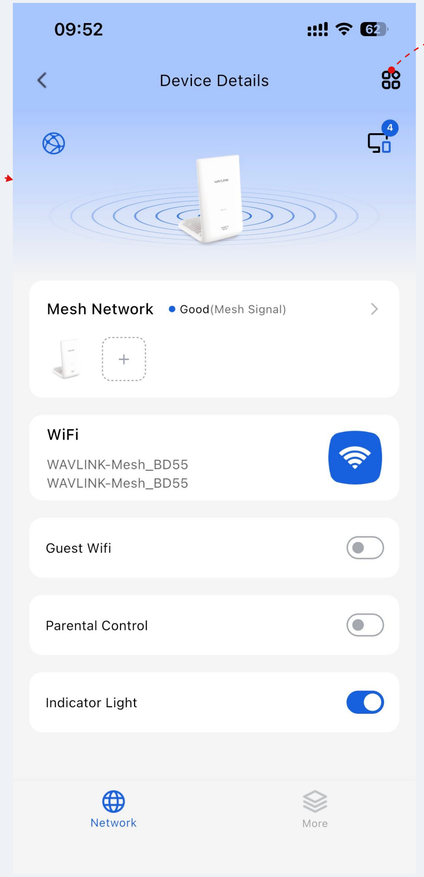
Device Details

Click on a device card on the home page to access the device details page, where you can view device information and control the device.

On the “Devices” page, tap a device card to go tothe device details page



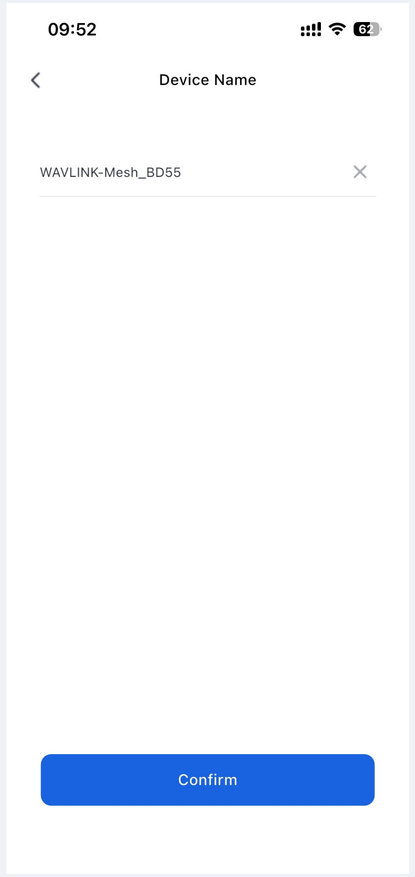
Click the icon in the upper-right corner of the device details page



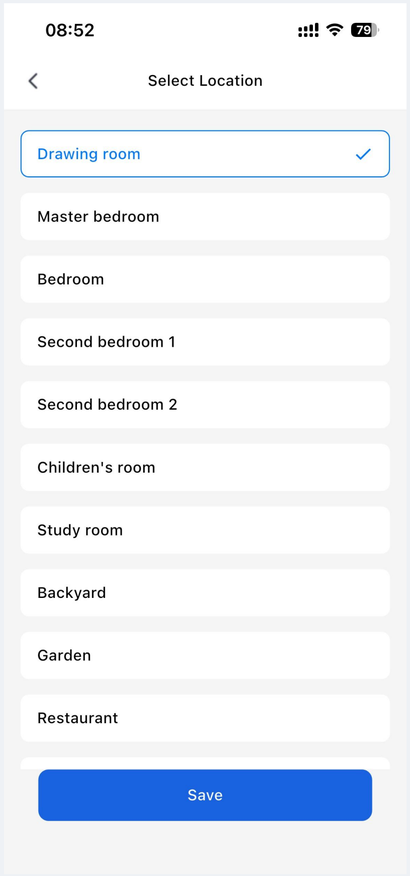
Go to the device information page



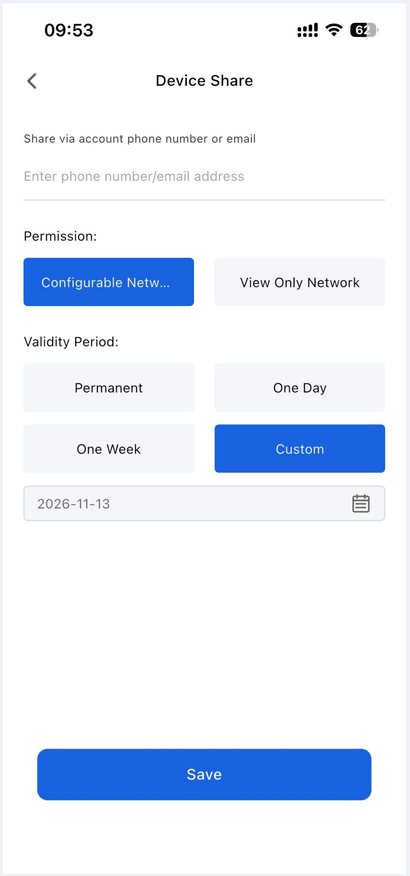
You can edit and change the device name



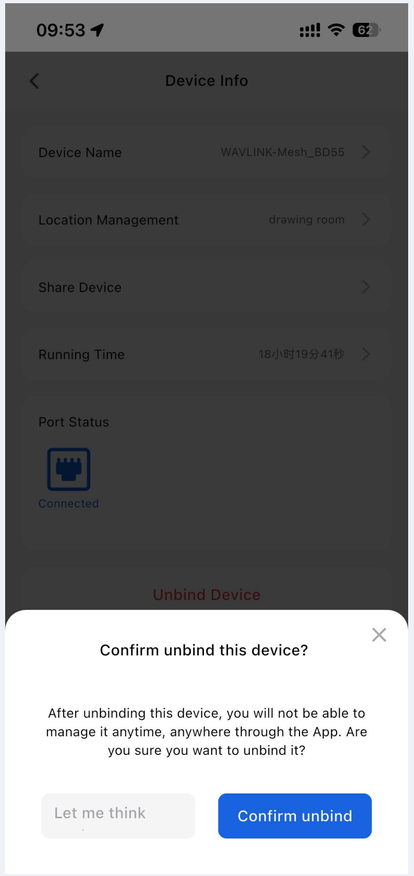
You can edit and change the device's location



Enter your phone number or email address, permissions, andvalidity period, then share the device



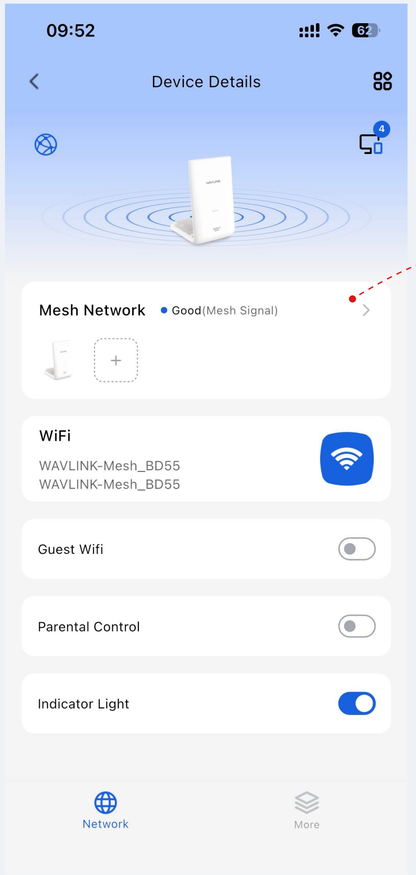
Delete the device; it will be unlinked.



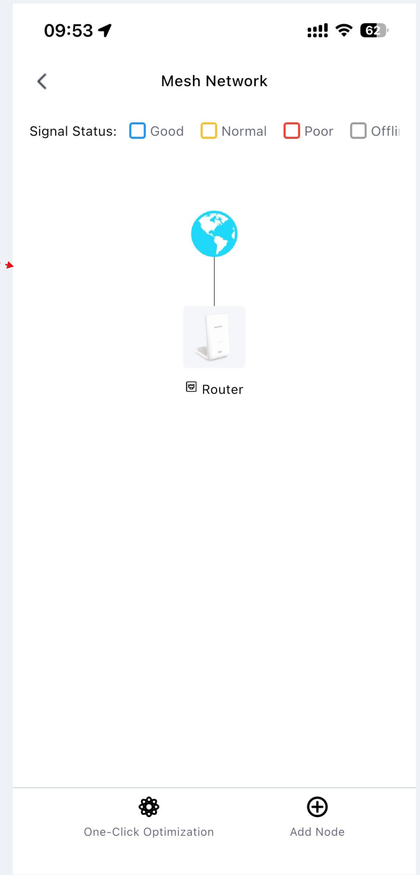
Mesh Networks

Mesh networks consist of multiple router nodes that work together to form a network, sharing a single Wi-Fi network name and password. They support both wired and wireless backhaul, automatic optimal routing, and seamless roaming. If a node fails, the system automatically bypasses it to restore connectivity. With centralized management via the app, you can easily eliminate Wi-Fi dead zones in your home, making it a hassle-free solution for large or multi-story homes.

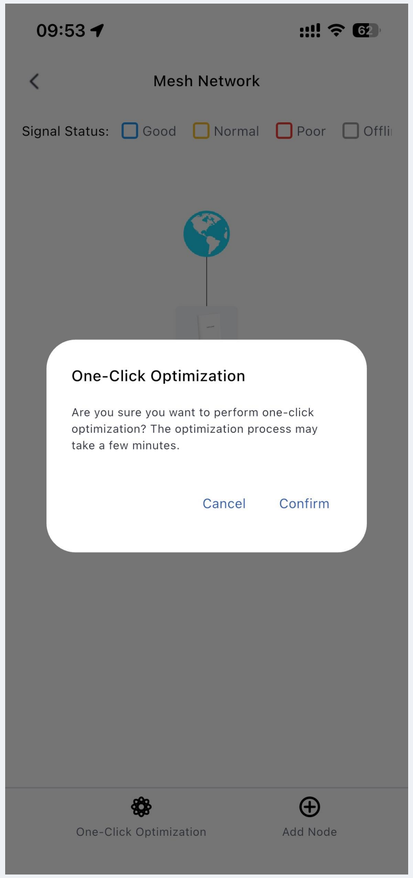
On the device details page, tap the Mesh Network card



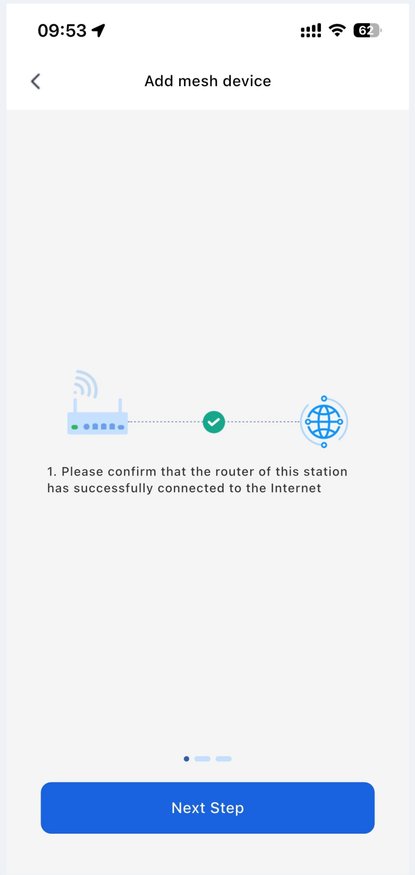
View the current Mesh network and how multiple routersand nodes are working together to form the network



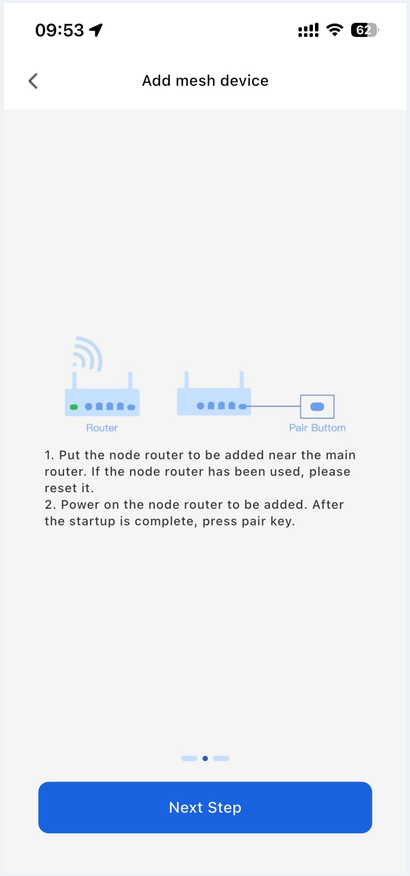
Tap the “One-Click Optimization” button in the bottom navigation bar,then confirm to proceed with the optimization.



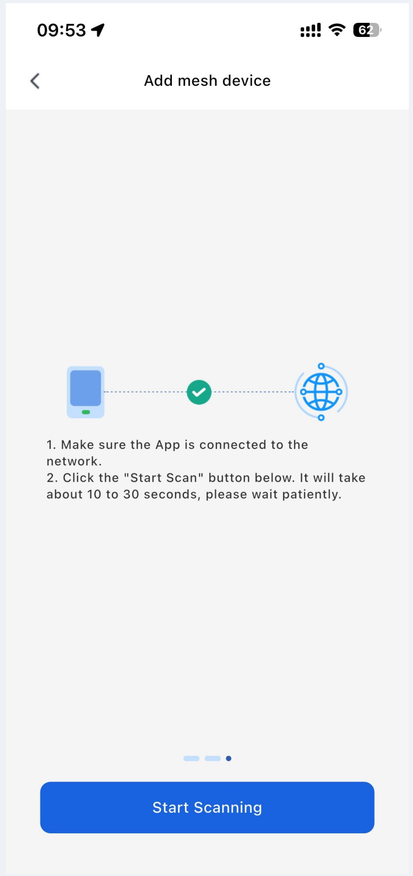
Tap the “Add Node” button in the bottom navigation bar,and make sure this device is connected to the network.



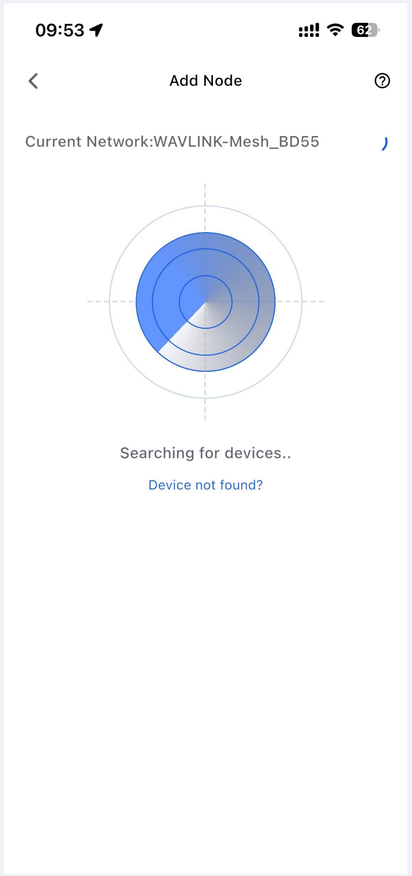
Follow the instructions to place the router with the additional nodenear the main router.



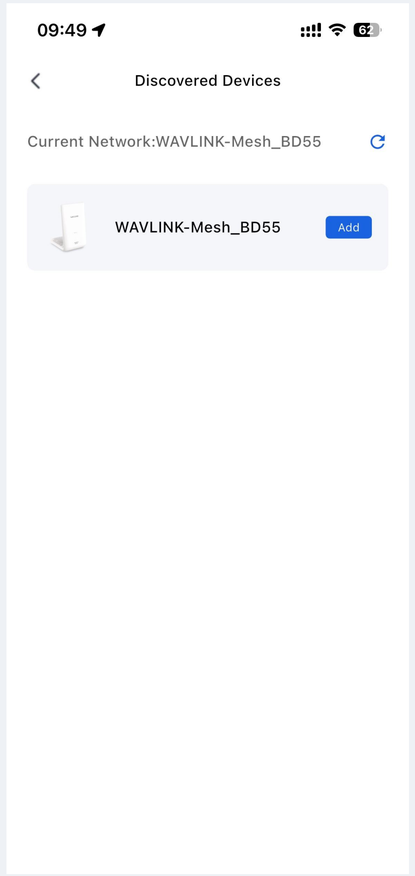
Make sure the app is connected to the internet, then tap the“Start Scan” button below



Adding a node to the device search



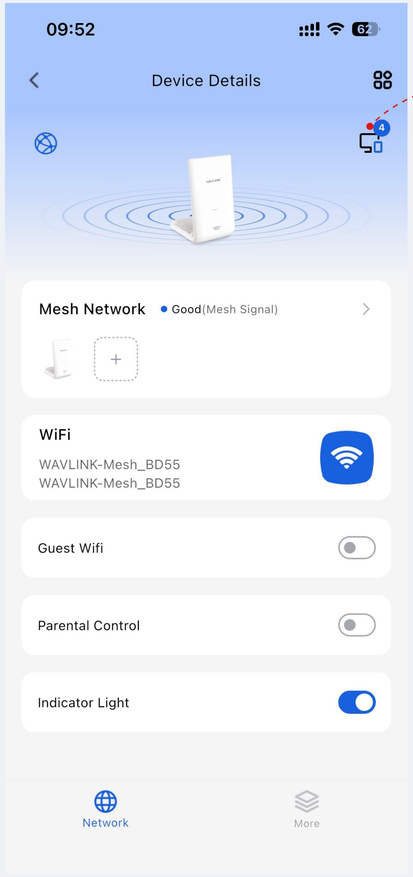
Find the device, click the “Add” button, and add the device.



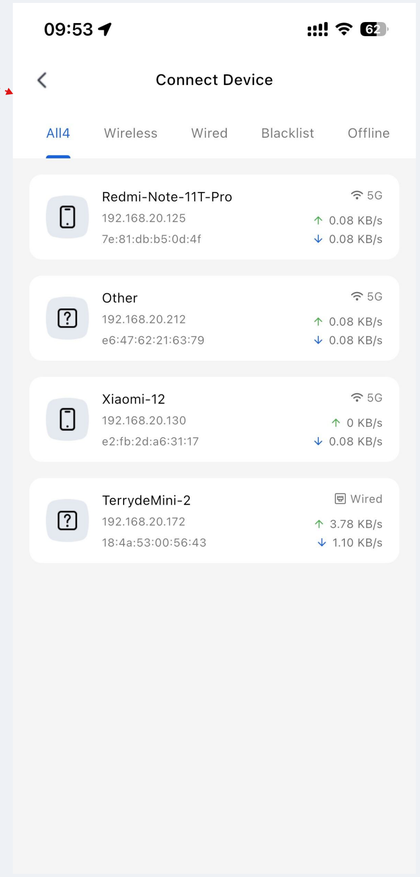
Connect Devices

On the device details page, tap the “Devices” button to view the devices currently connected to the router. Tap a device card to view its details.

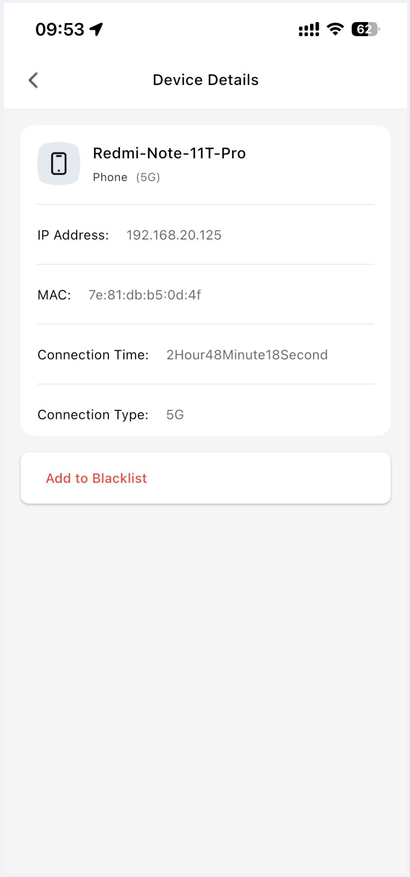
On the device details page, click the device buttonto go to the Connect Device page



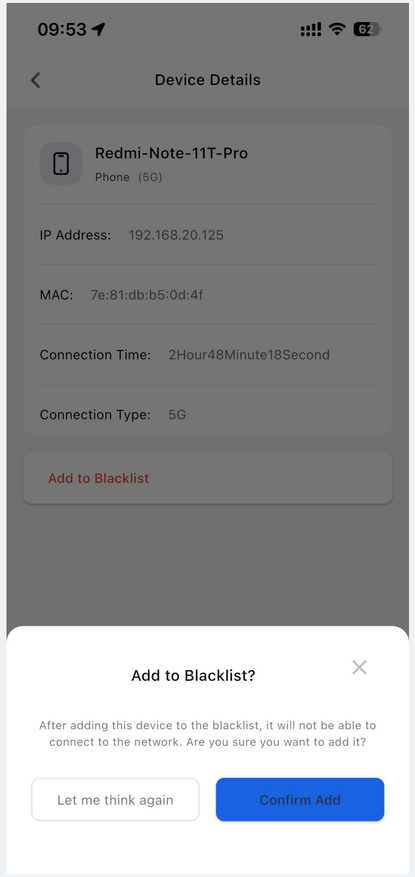
List of Connected Devices: View IP Addresses, MACAddresses, Upload and Download Speeds, and Connection Types



Tap an item in the list to view detailed deviceinformation and add it to the blacklist.



Adding a device to the blacklist will prevent it from connecting to the current network

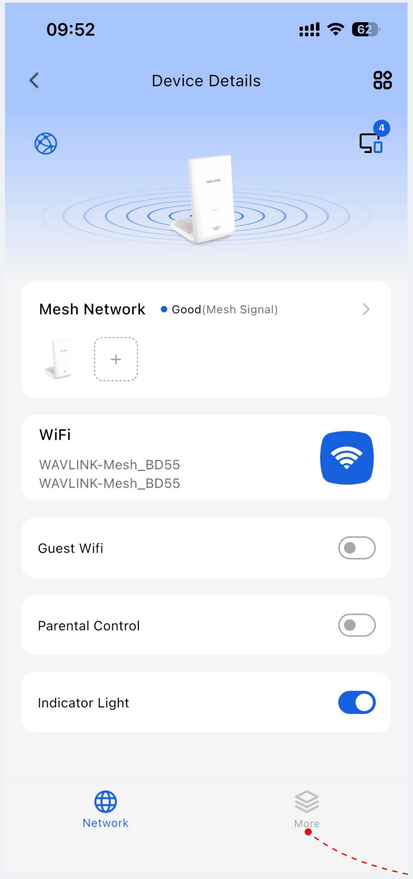


More Settings

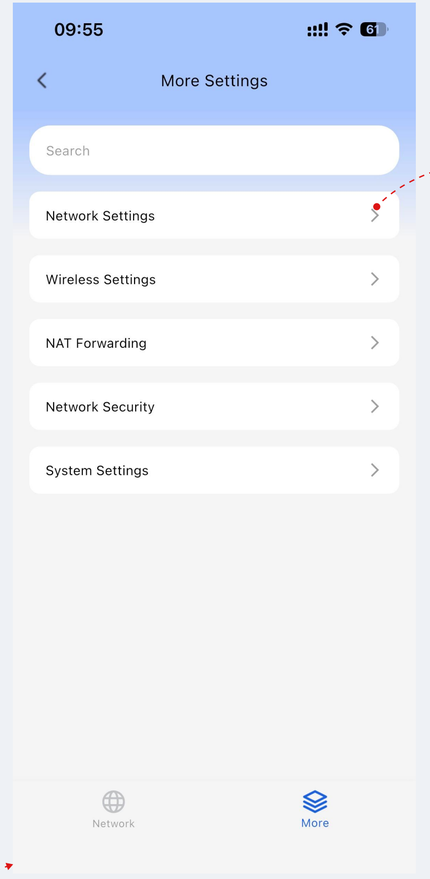
Network Settings - Internet Connection Type

At the bottom of the device details page, tap “More” to access “Advanced Settings.” A search bar at the top of the page allows you to quickly locate features. The top-level menu includes: Network Settings, Wireless Settings, NAT Forwarding, Network Security, and System Settings. In router mode, you can switch between the three internet connection methods—PPPoE, DHCP, and Static IP—at any time; after making changes, the router will redial and the settings will take effect.

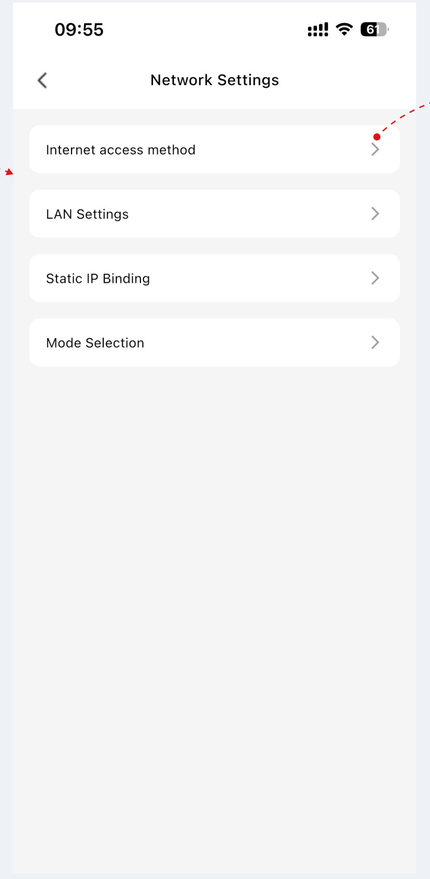
Tap “More” in the navigation bar at the bottom of the device details page
Page change



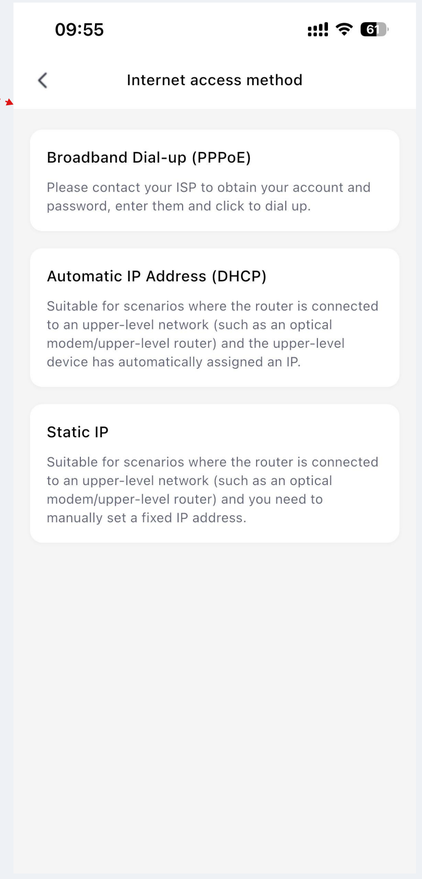
For more settings, click “Network Settings.”



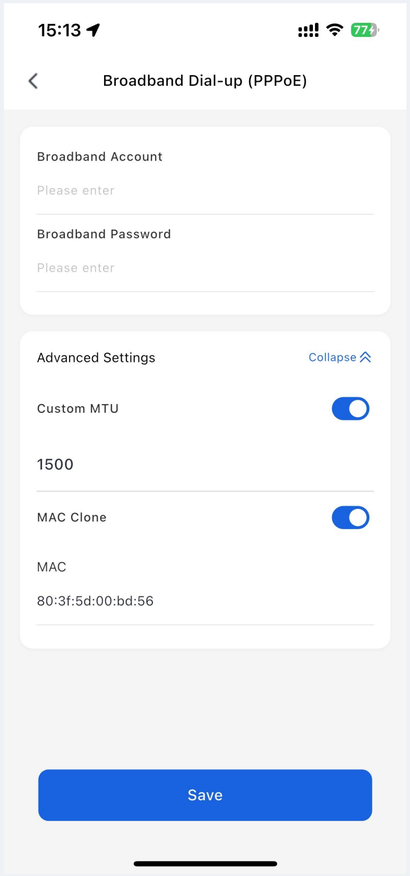
Click to Select an Internet Connection Method



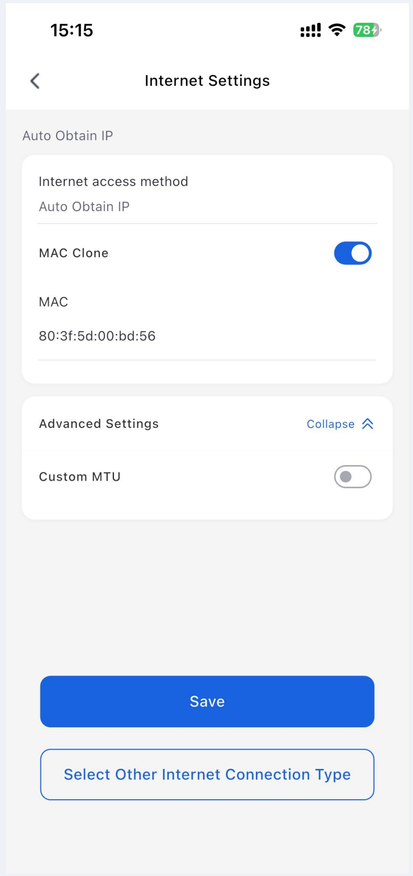
There are three ways to access the Internet



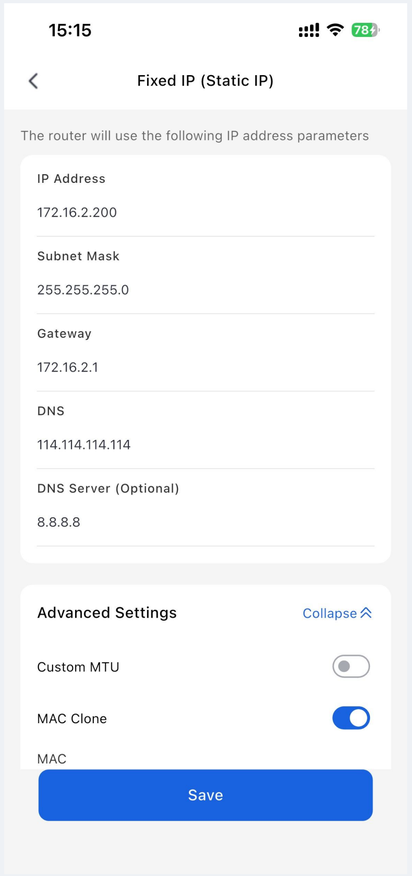
Broadband Dial-Up Internet Access



Obtain an IP address automatically



Static IP

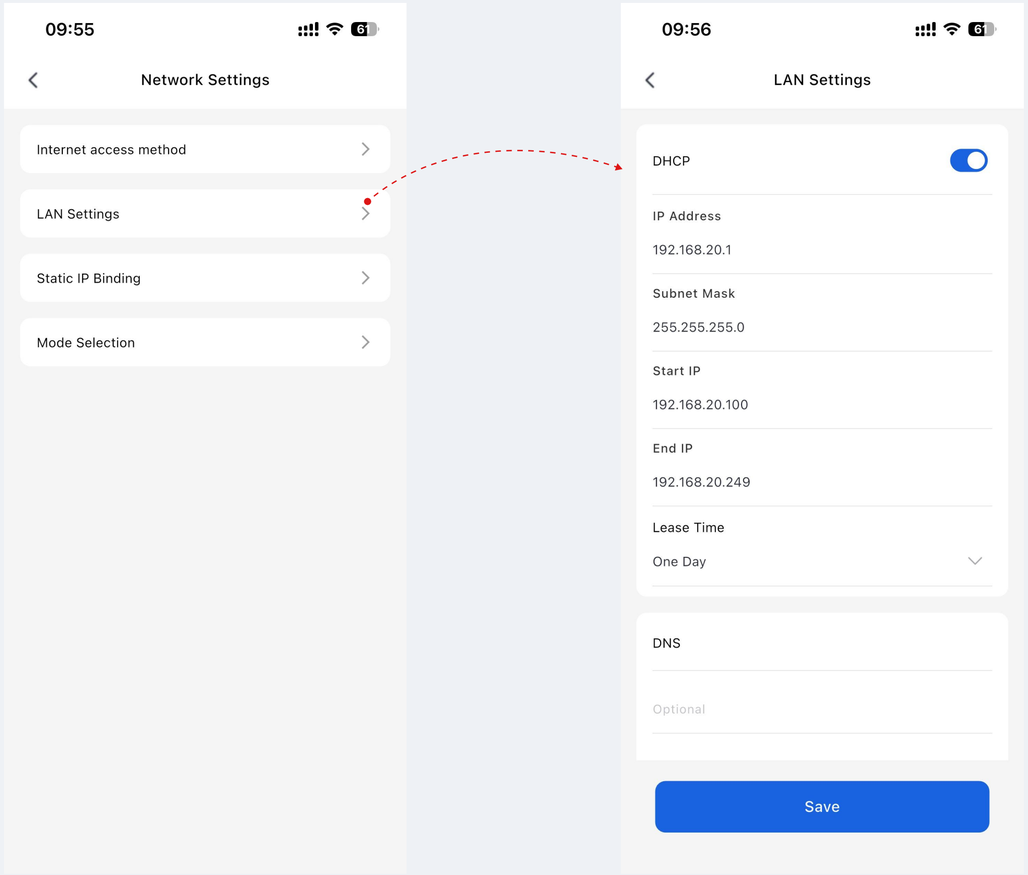


Network Settings - LAN Settings

Changing the Router's LAN Port IP Address and the DHCP Address Pool Range

To access the “More Settings” page, click “LAN Settings.”

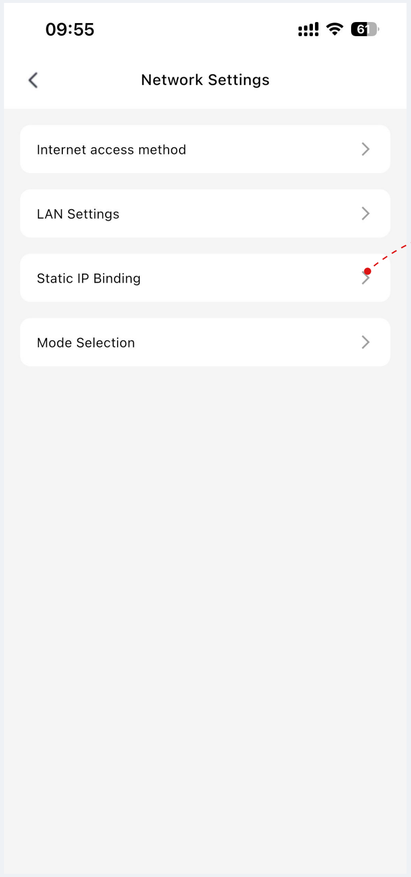
Go to the LAN settings to configure them



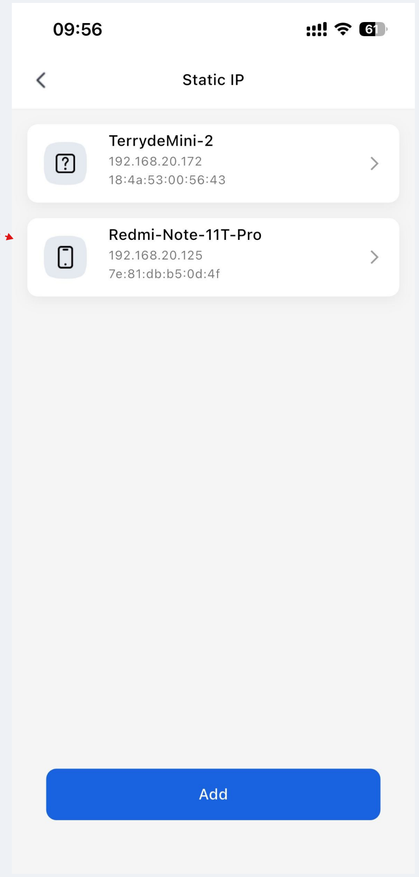
Network Settings - Static IP

Bind the MAC address of a specified terminal to a static IP address to ensure it receives the same address every time it comes online, facilitating scenarios such as port forwarding and remote wake-up.

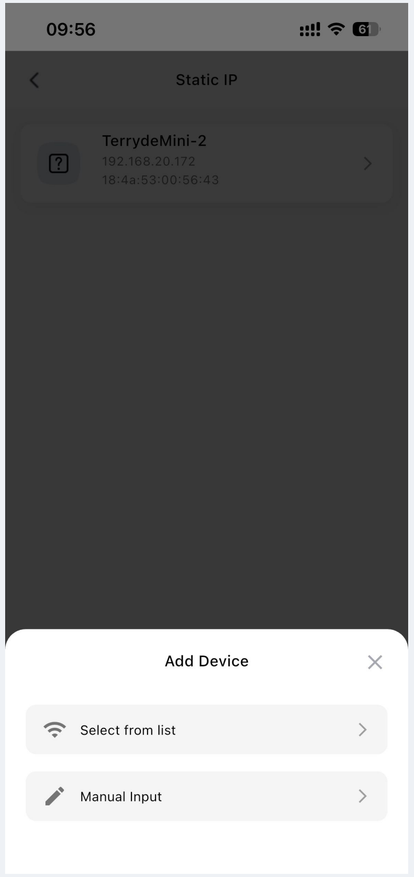
On the “More Settings” page, click “Static IP Binding.”



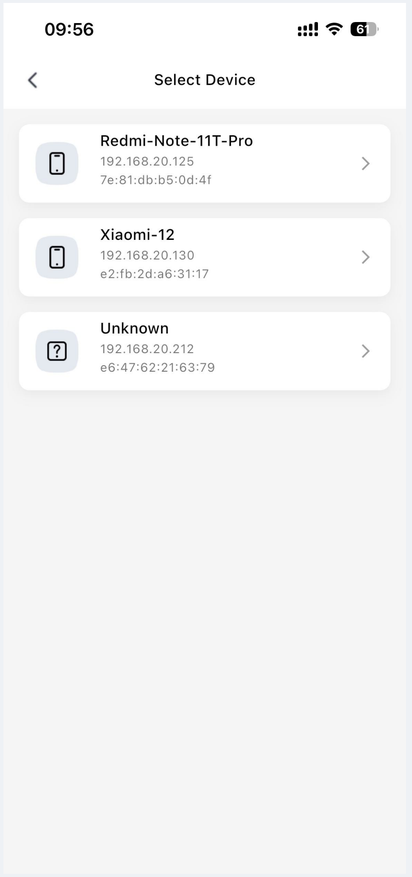
Go to “Static IP Binding” and click “Add”



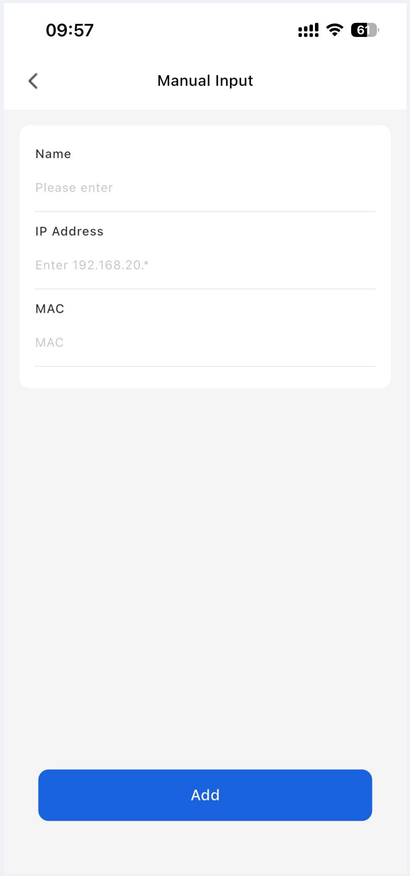
Select from connected devices, or enter manually



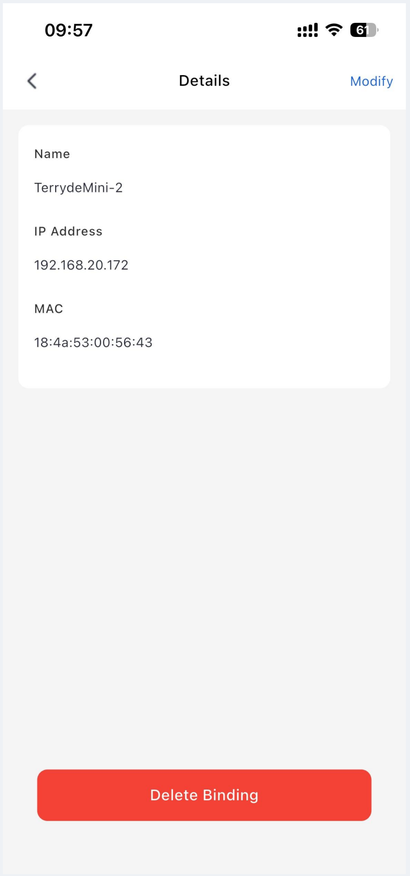
Select from the list



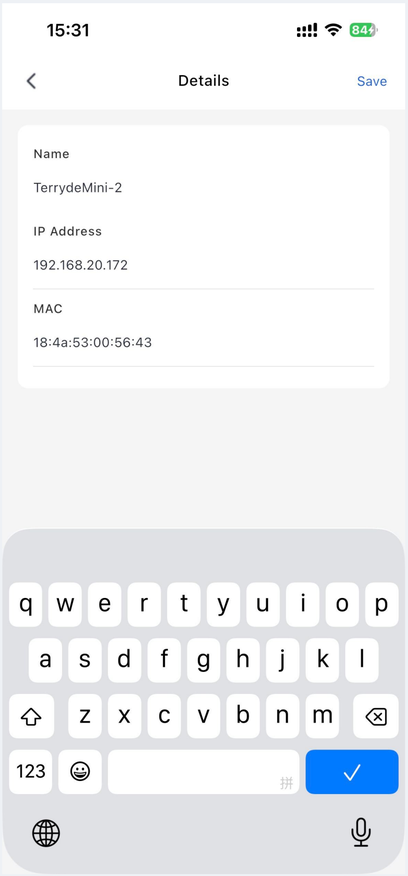
Manual Entry



On the “Static IP” page, click the device listto view details



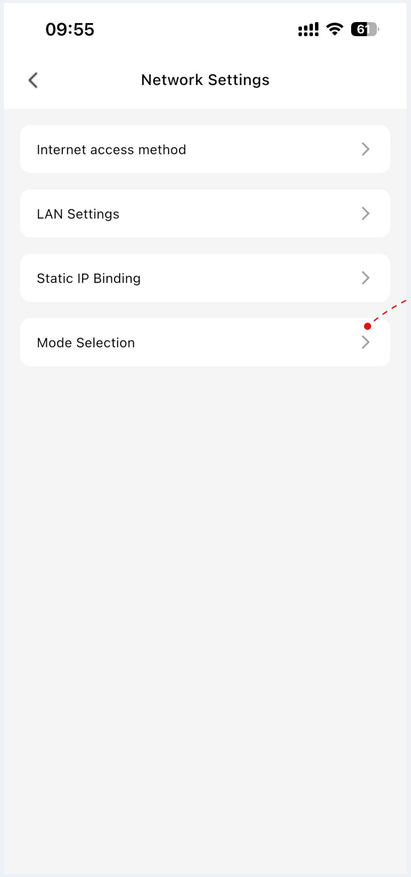
Click “Edit” to modifythe IP address and MAC address



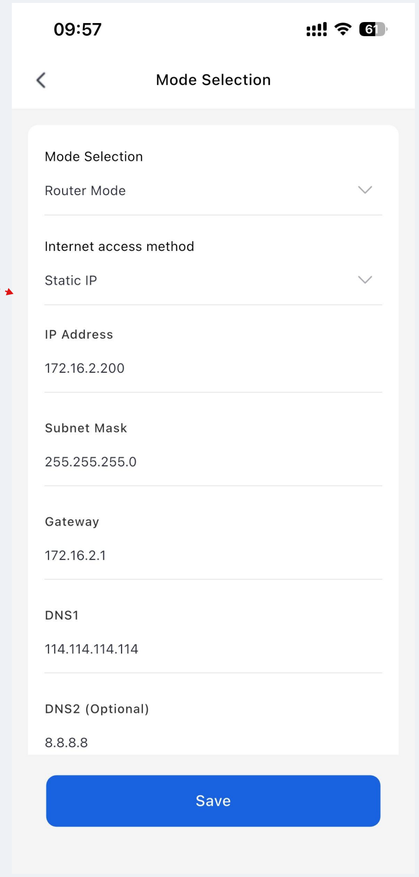
Network Settings - Mode Selection

Switch between Router Mode, AP (Wired Repeater) Mode, and Repeater (Wireless Repeater) Mode at any time. After switching, some advanced features will be automatically hidden.

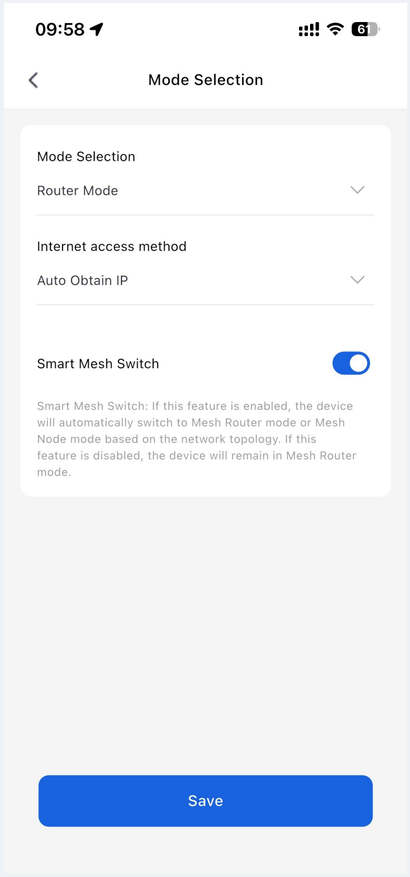
Click “Mode Selection” on the “More Settings” page



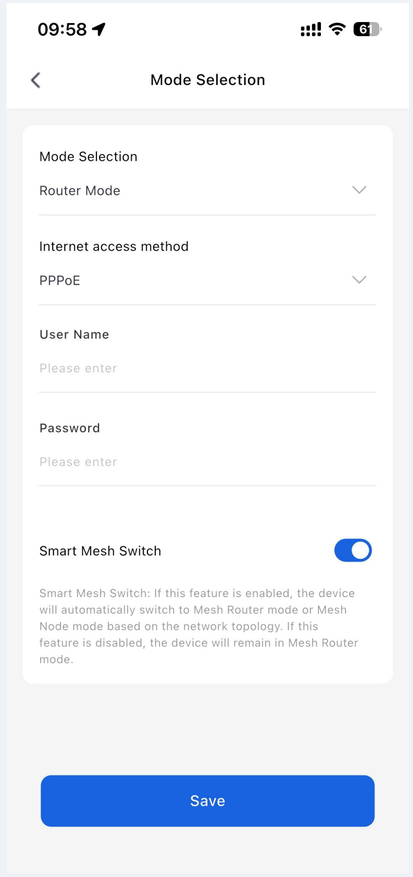
Static IP Internet Access in Router Mode



Methods for Automatically Obtaining an IP Address

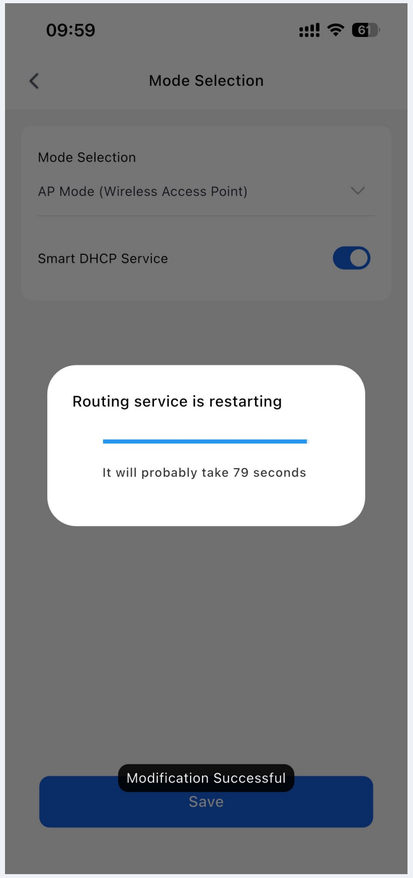


Broadband Dial-Up Methods

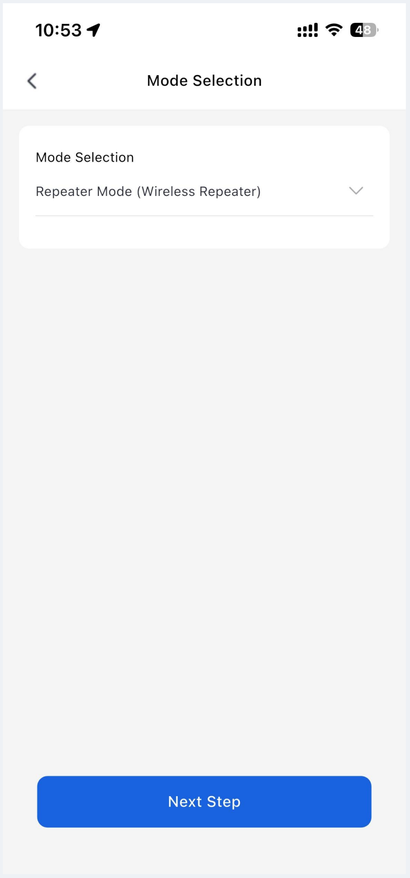


Note: When switching from router mode to AP/repeater mode, the router’s WAN and LAN roles will be swapped. Please reconnect the cables as prompted on the page.

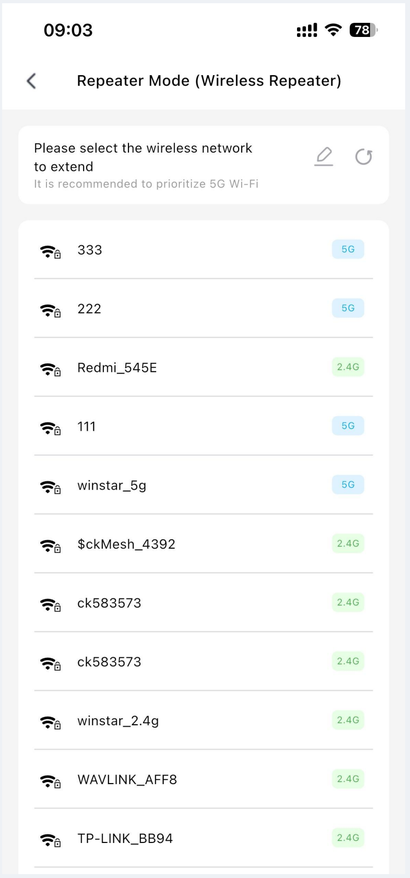
Switch from “Router Mode” to “AP Mode”



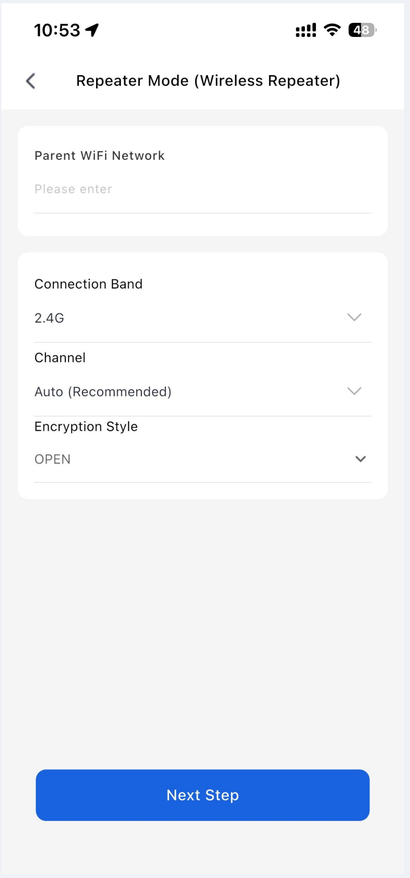
Switch from “Router Mode” to “Repeater Mode,” then clickNext



Select the wireless network you want to extend

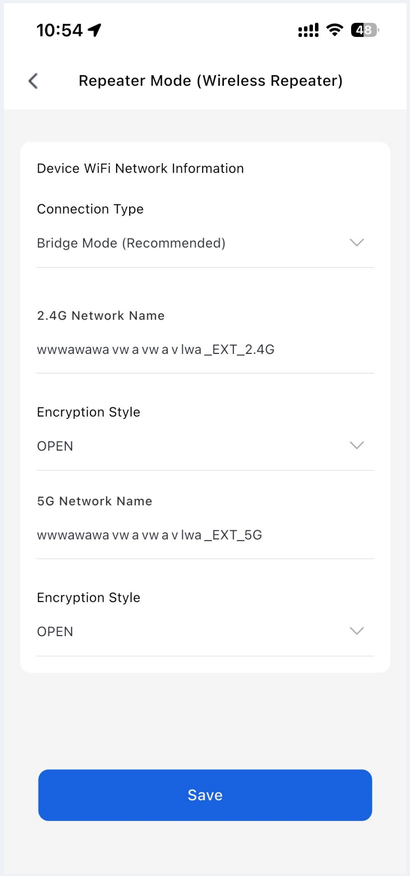


Enter the name of the parent network and configure the connectionfrequency band, channel, and encryption method

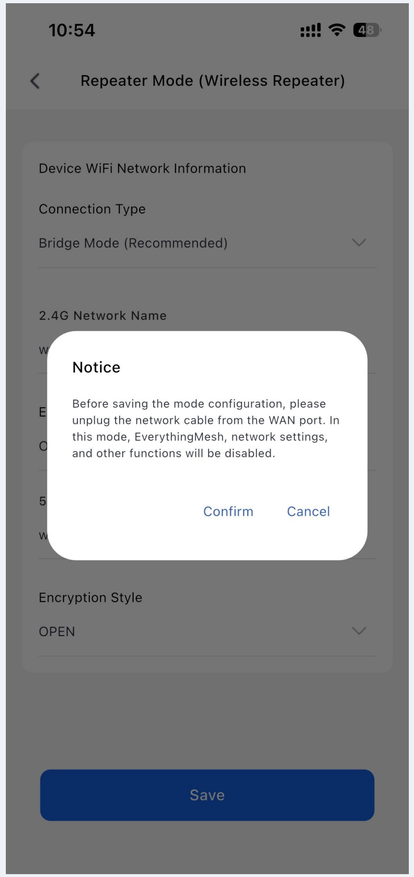


Note: When switching from router mode to AP/repeater mode, the router’s WAN and LAN roles will be swapped. Please reconnect the cables as prompted on the page.

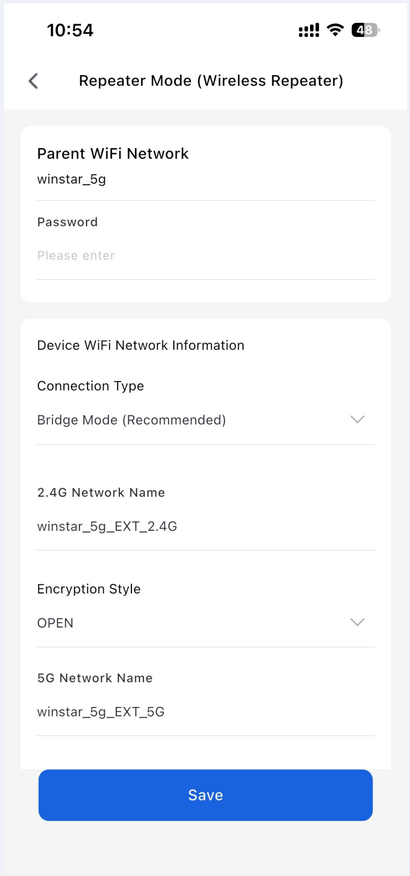
Set the connection type, 2.4 GHz network name, 5 GHznetwork name, and encryption method



Adjust the device according to the instructions.



Select the parent network from the relay mode list,enter the password, and configure the settings

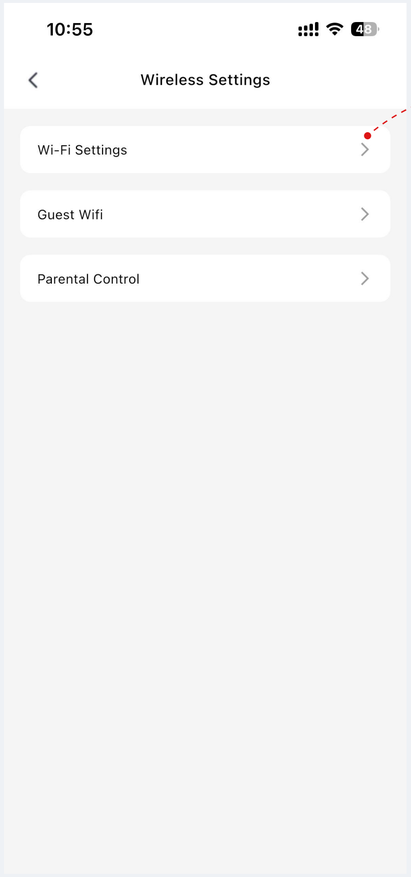


Note: When switching from router mode to AP/repeater mode, the router's WAN and LAN roles will be swapped. Please reconnect the cables as prompted on the page.

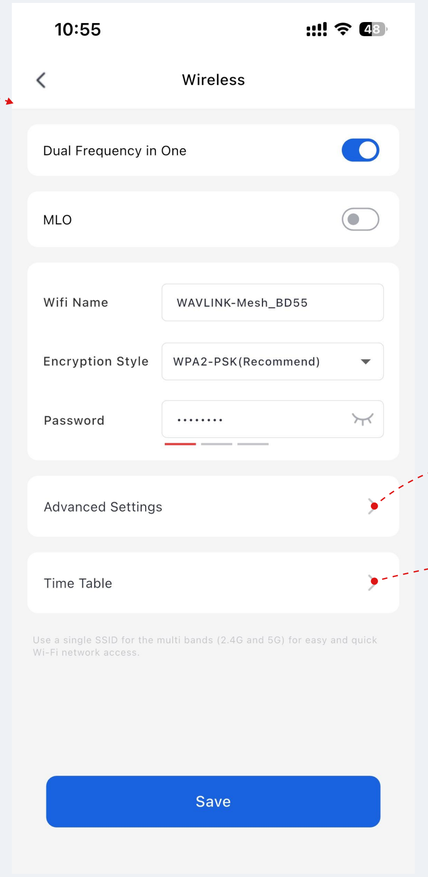
Wireless Settings - Wi-Fi Settings

Set up a Wi-Fi network, configure the network name, password, and other settings for the 2.4 GHz, 5 GHz, and 6 GHz bands, and set up rules for network access restrictions.

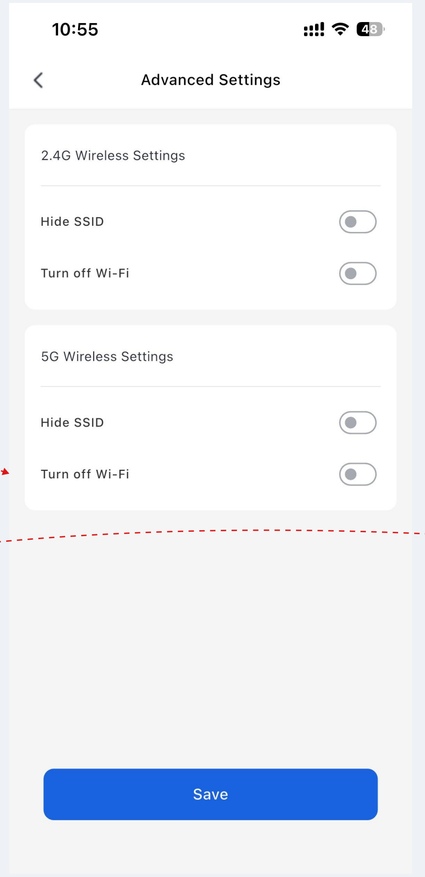
On the Wireless Settings page, tap “Wi-Fi Settings”



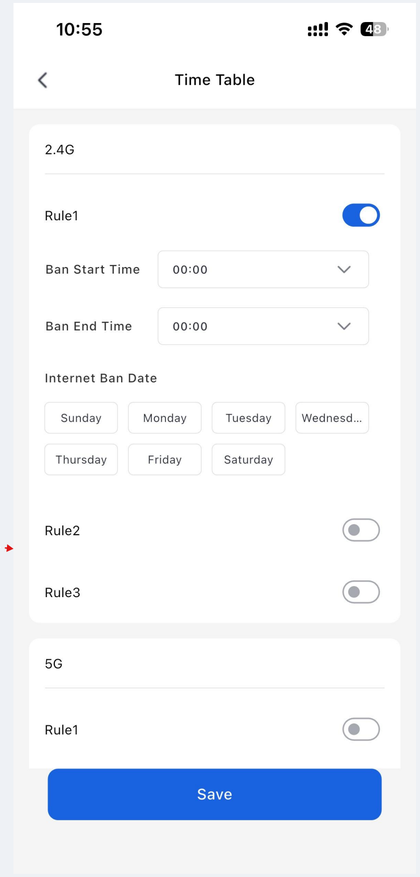
You can configure dual-band integration, MLO, Wi-Fi name,encryption method, and password



Advanced settings allow you to hide the 2.4 GHz and 5 GHz networks,configure the SSID, and toggle the Wi-Fi on/off switch.

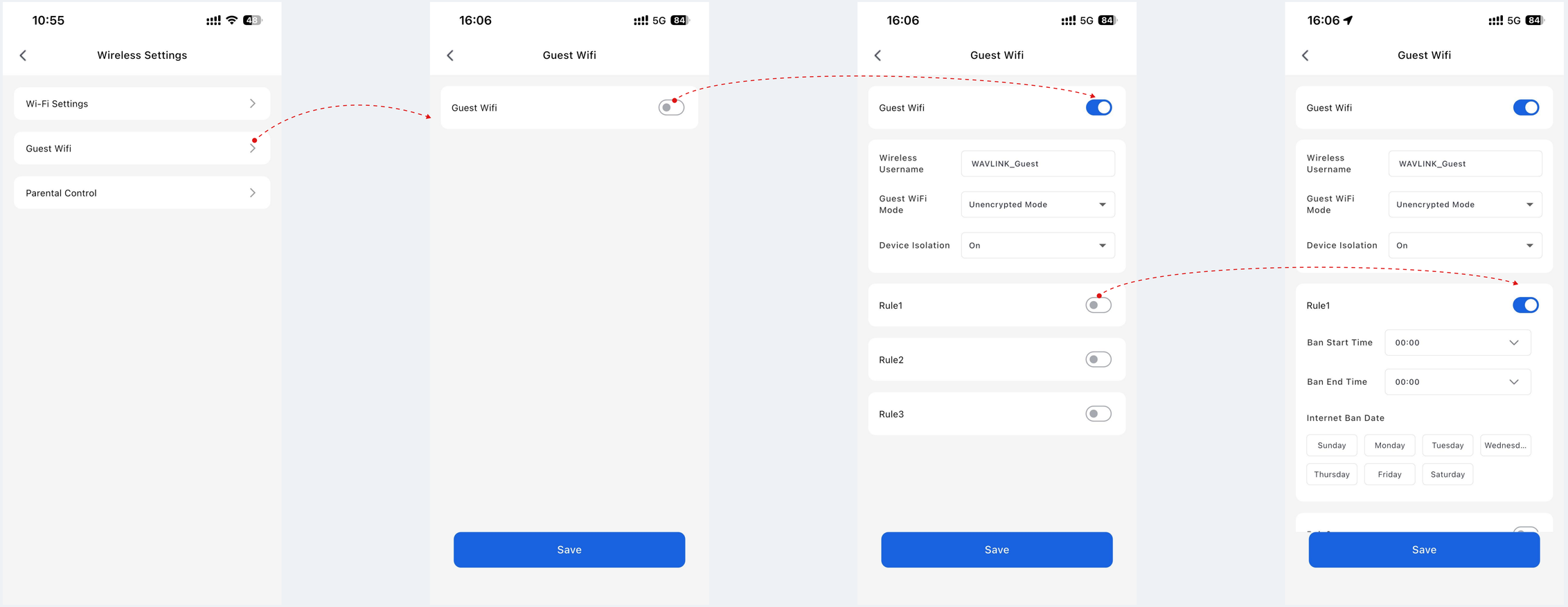


The schedule can be configured for 2.4 GHz and 5 GHzNetwork Blocking Rules



Wireless Settings - Guest Network

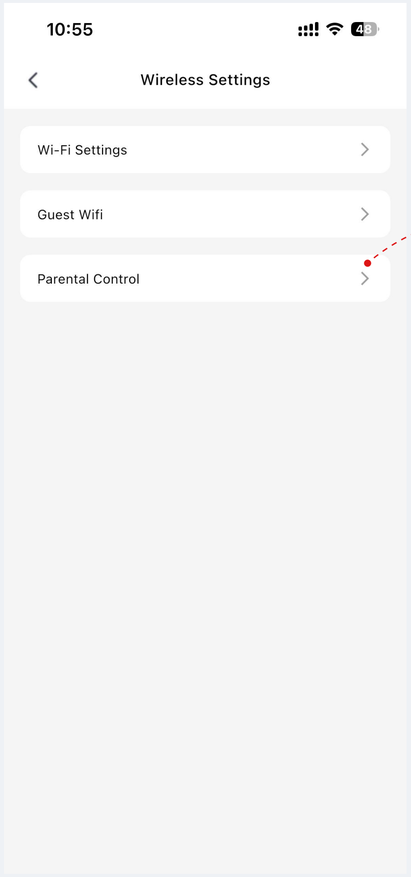
The guest network is a separate SSID isolated from the main network, with its own password, encryption method, and SSID visibility settings. When enabled, guests can access the Internet but cannot access devices on the home network.



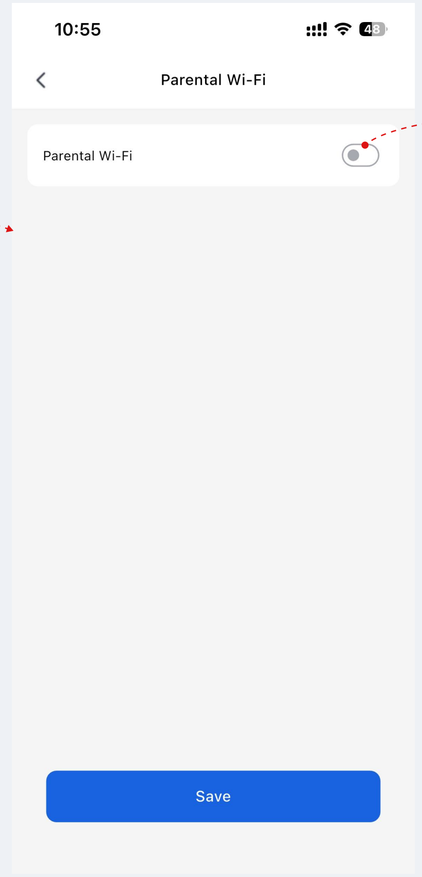
Wireless Settings - Parental Controls

“Kids' Wi-Fi” is a separate SSID specifically for children that can be configured with scheduling rules—for example, it can be set to be available only on weekends from 12:00 a.m. to 11:59 p.m., and automatically turn off at other times, disconnecting the connection at the network layer.

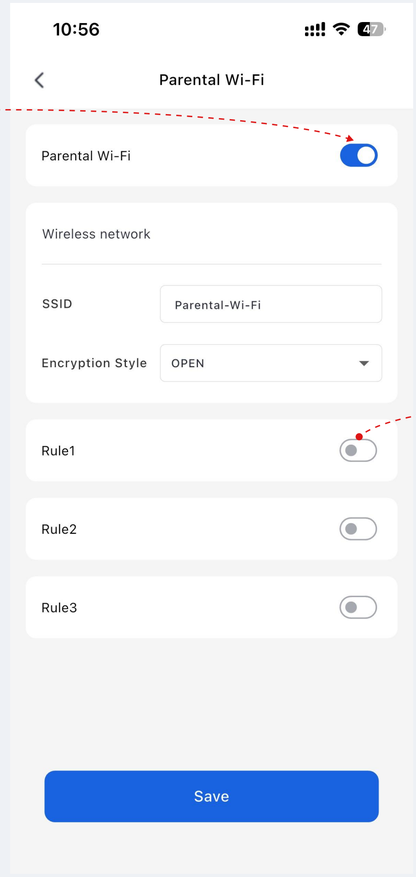
On the Wireless Settings page, click Parental Controls



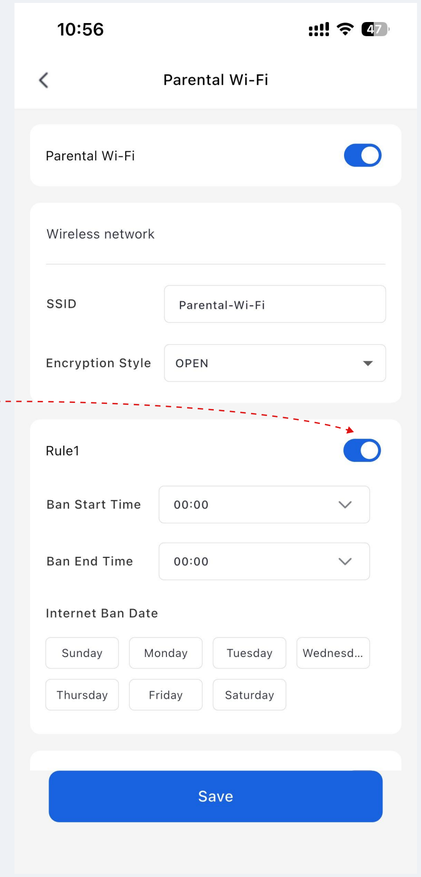
You can turn the switch on in Parental Wi-Fi.



Set the name and encryption method (WPA2-PSK recommended) for the kids' Wi-Fi network, along with the password



Parental WiFi can set internet access restrictions

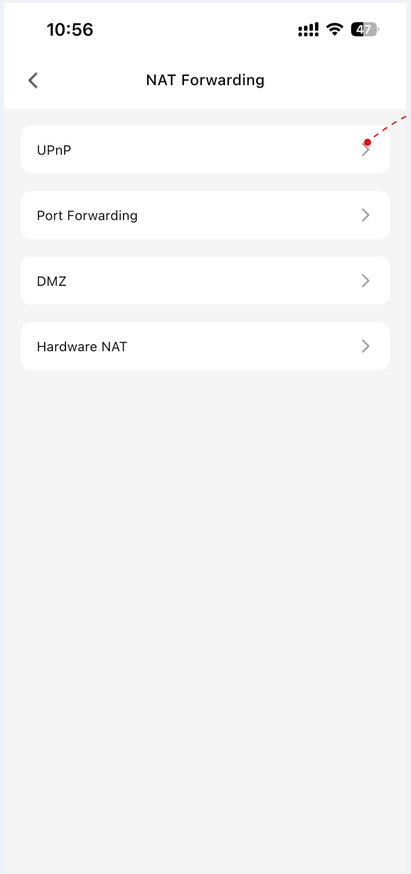


Note: When your child wants to go online, they will only be able to find this Wi-Fi network during the times allowed by the rules; at other times, they won't be able to connect even if they know the password.

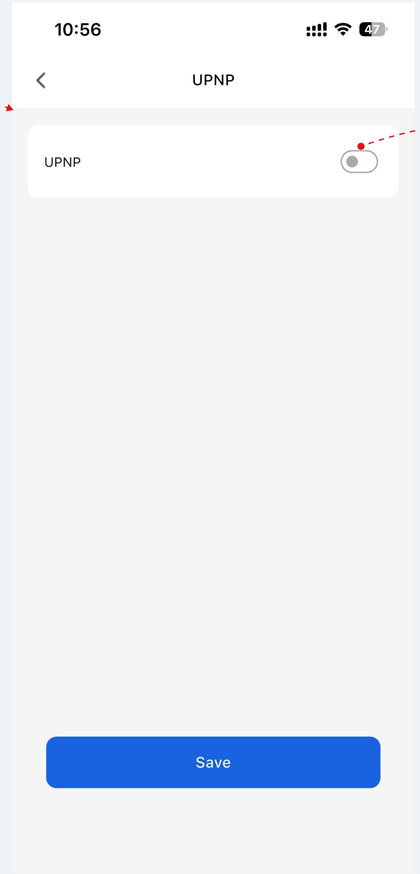
NAT Forwarding - UPnP

Set up a connection from the external network to devices on your internal network to remotely access home surveillance cameras, NAS devices, and other equipment from outside your network. Once enabled, the corresponding ports will be exposed to the public internet; please exercise caution regarding security.UPnP: When enabled, download tools and game consoles on your internal network can automatically create port mappings without the need for manual configuration.

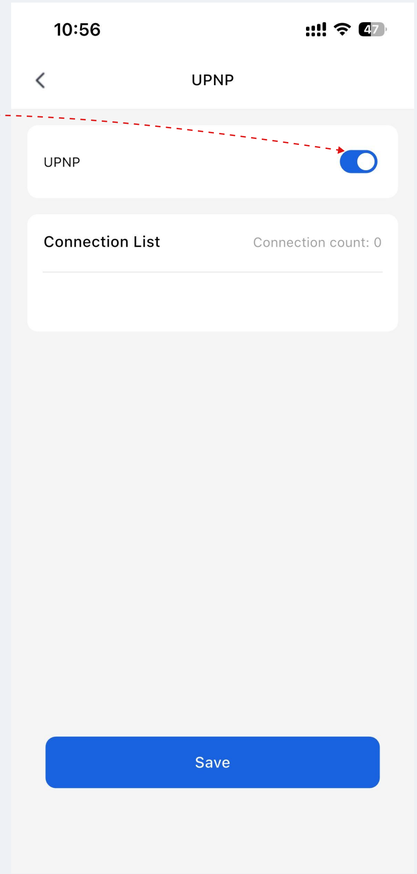
On the “NAT Forwarding” page, click “UPnP”



“UPnP” is not enabled



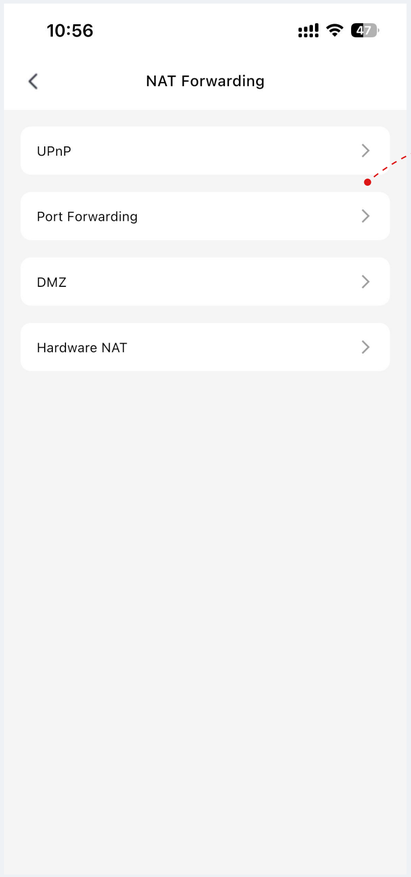
“UPnP” is enabled



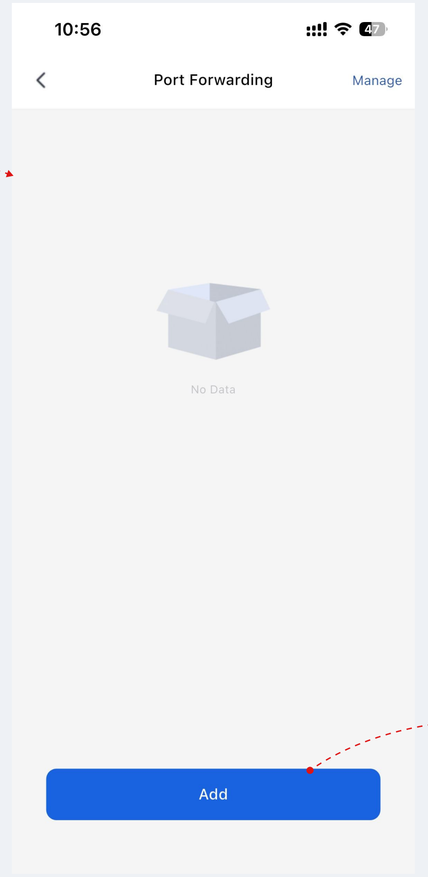
NAT Forwarding - Port Forwarding

Map a specific port on the external network to a designated port on a device on the internal network to provide services such as Web, Remote Desktop, and NAS to external users.

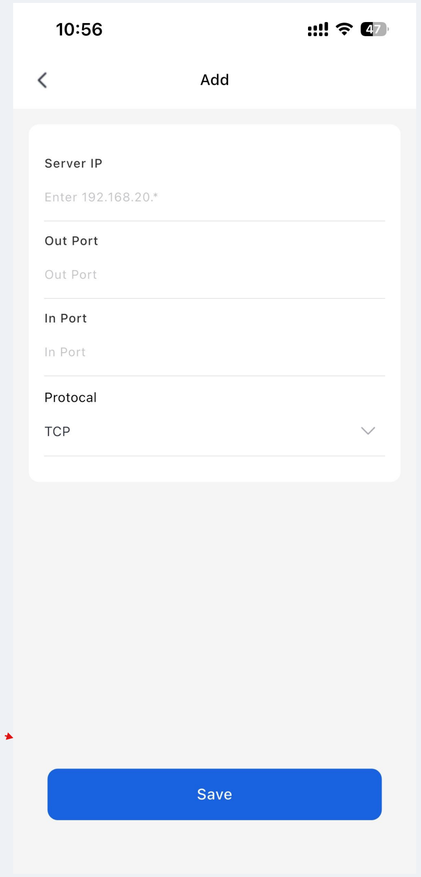
On the “NAT Forwarding” page, click “Port Forwarding”



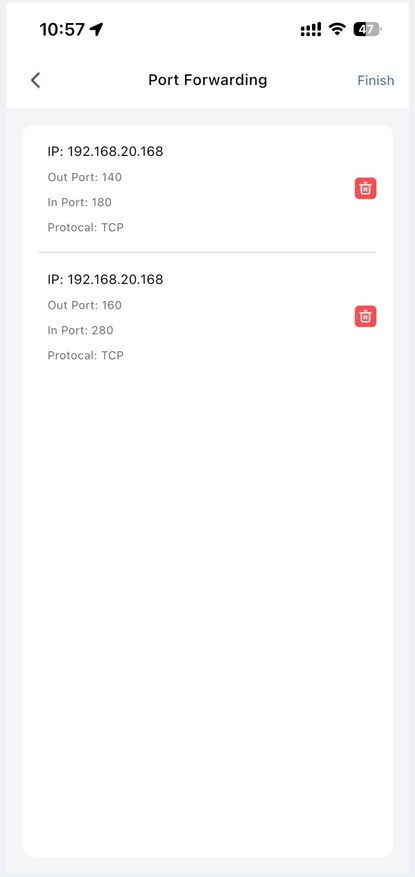
“Port Forwarding” has not been added



Enter the name, external port, internal IP, internalport, and protocol (TCP/UDP)



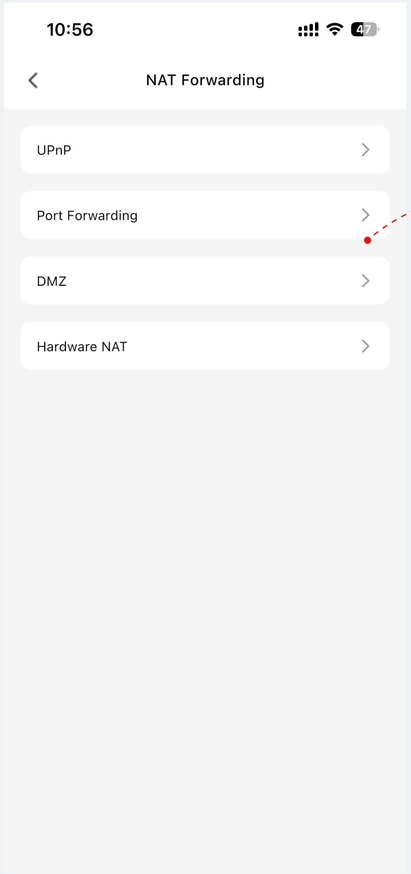
Manage list; can be deleted



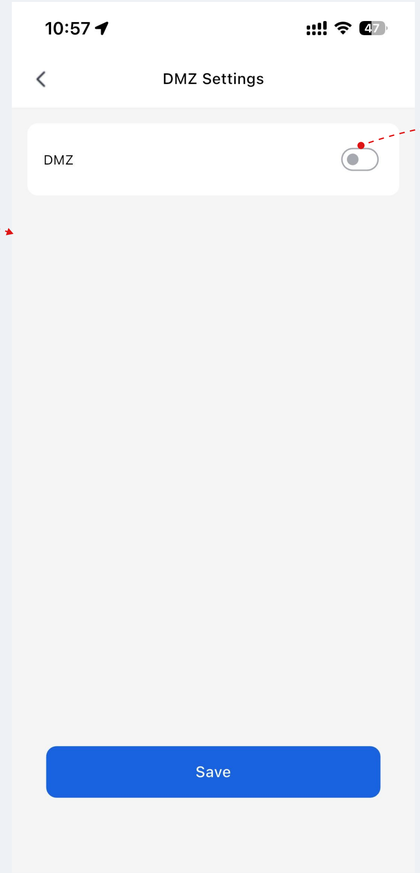
NAT Forwarding - DMZ

Fully expose a specific internal network device to the public internet (not recommended for everyday use; intended only for debugging or specific gaming scenarios).

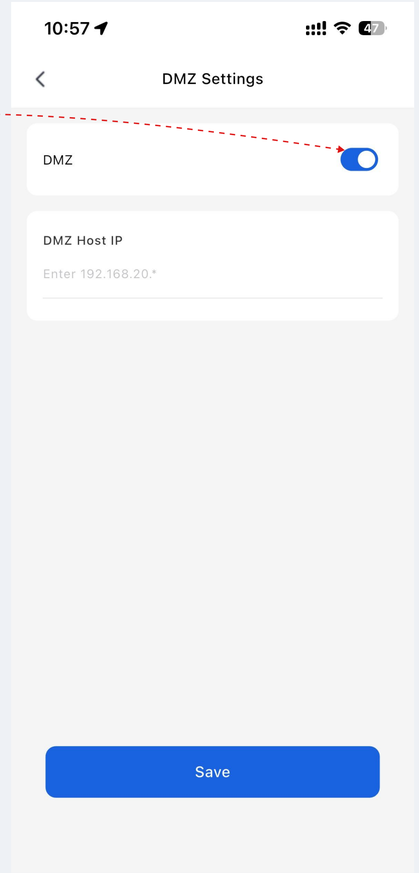
On the “NAT Forwarding” page, click “DMZ”



“DMZ” is not enabled

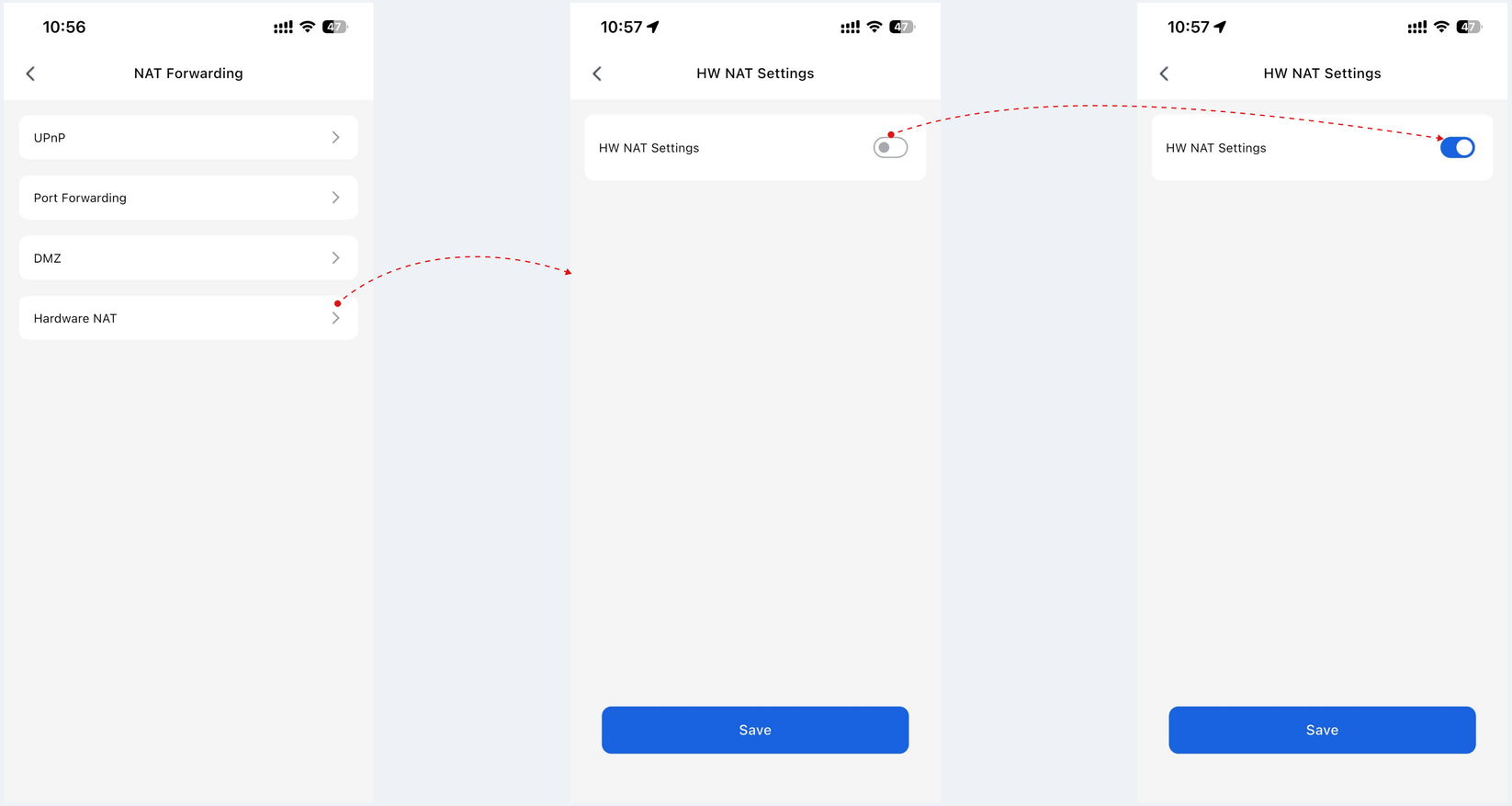


“DMZ” is now enabled. Enter the DMZ host's IP address.



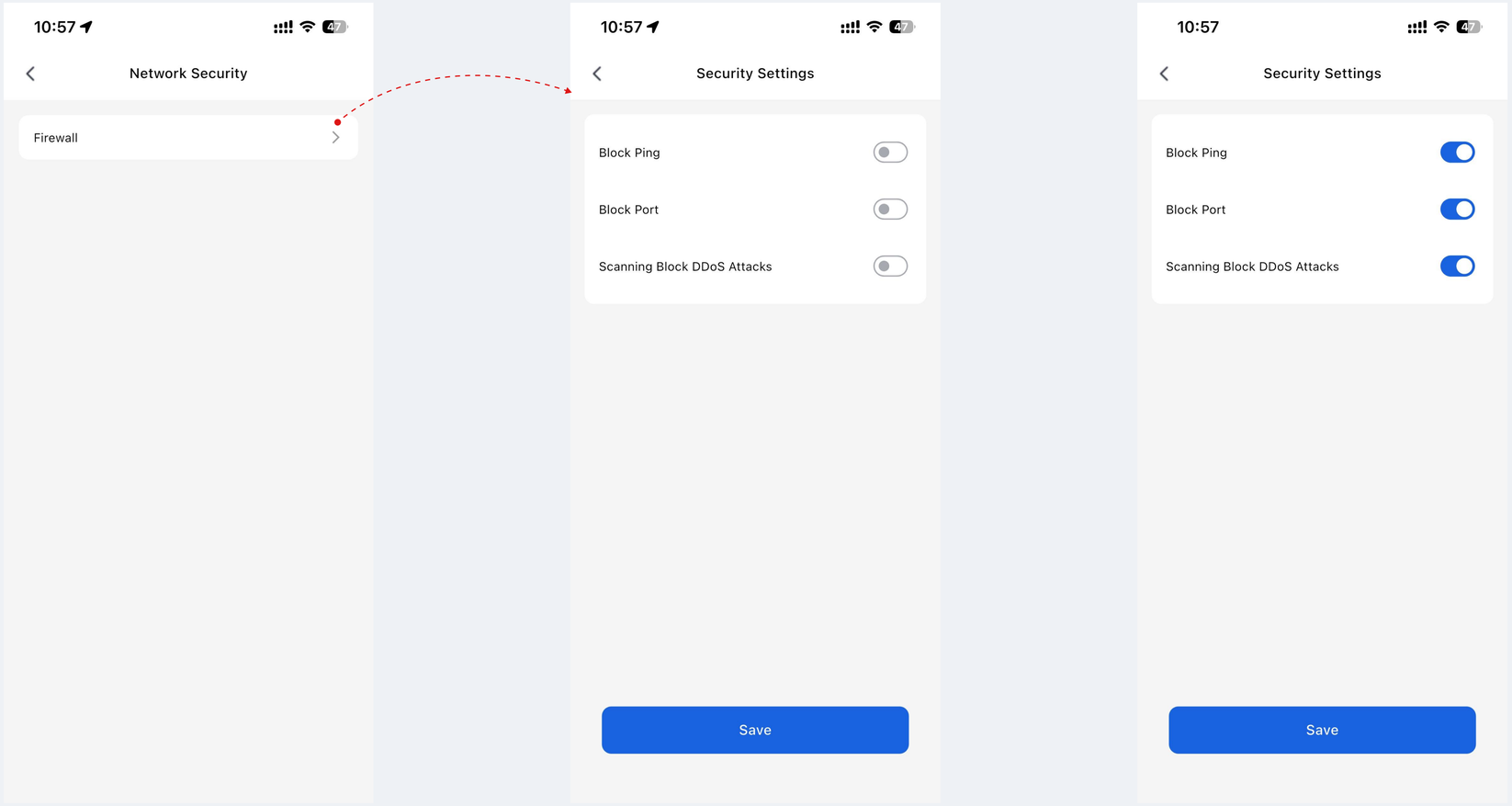
NAT Forwarding - Hardware NAT

Enabling the hardware NAT switch significantly improves forwarding performance; in certain extreme compatibility scenarios, you may try disabling it.



Cybersecurity - Firewalls

Enable or disable the SPI firewall, and configure the default policy for external network access to the internal network.

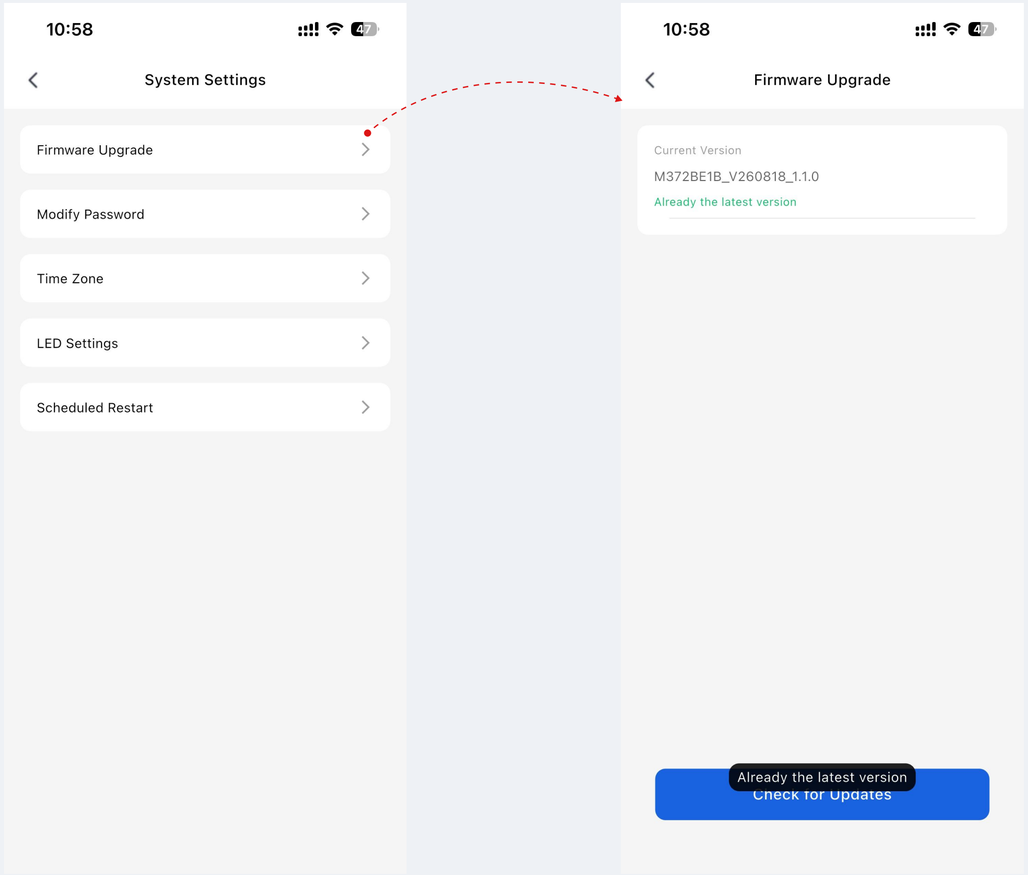


System Settings - Firmware Update

Check and update the router's firmware. Do not disconnect the power during the update.

On the “System Settings” page, tap “Firmware Update”

View the current firmware version

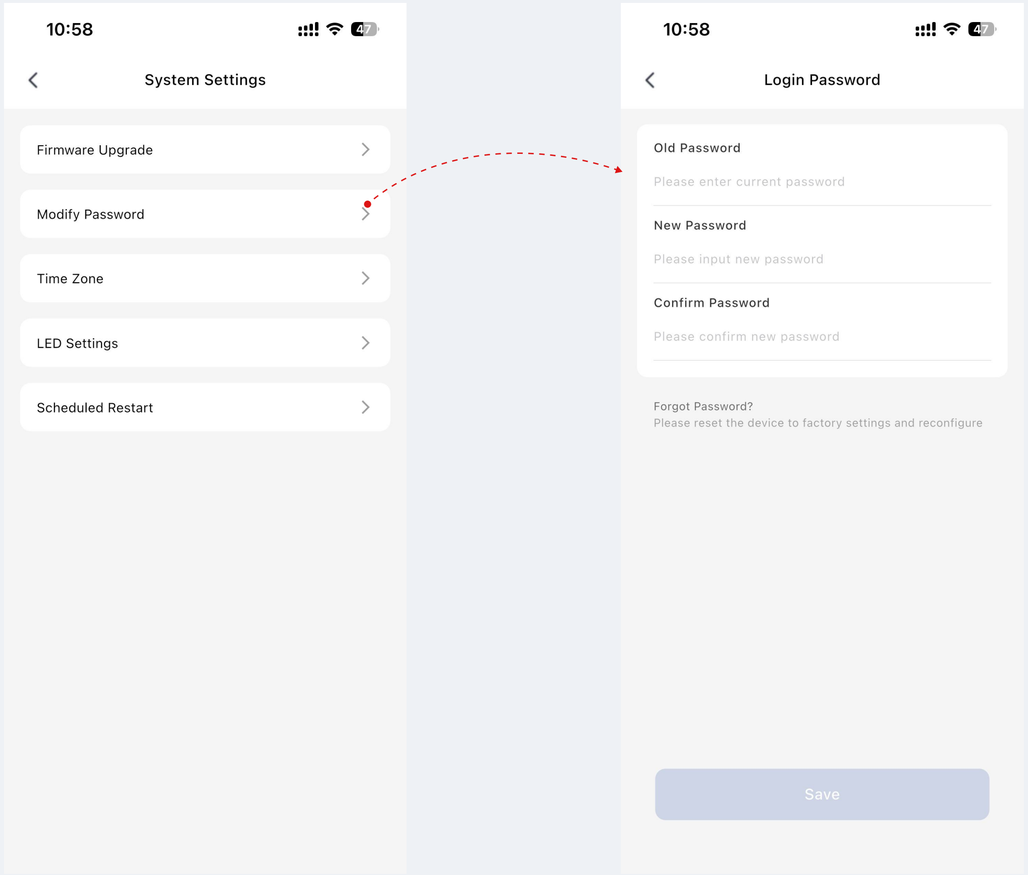


System Settings - Change Password

Change the router's admin password.

On the “System Settings” page, click “Change Password”

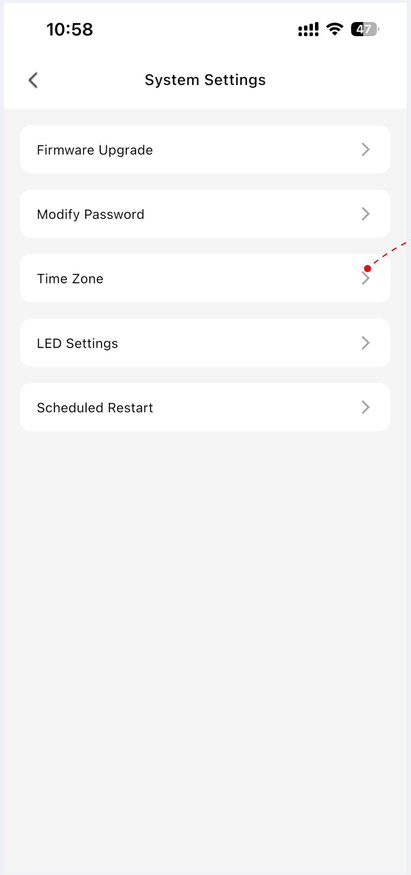
Change the administrator password



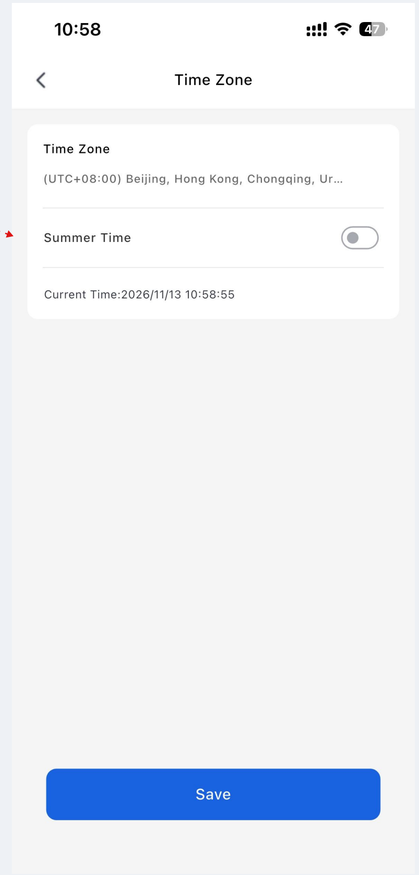
System Settings - Time Zone

Set the time zone and the daylight saving time toggle to ensure the scheduled tasks run at the correct times.

On the “System Settings” page, tap “Time Zone”



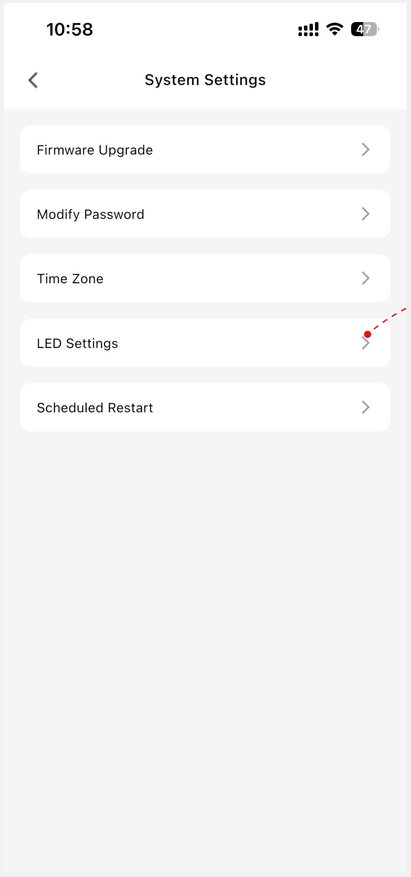
Change the time zone and daylight saving time setting



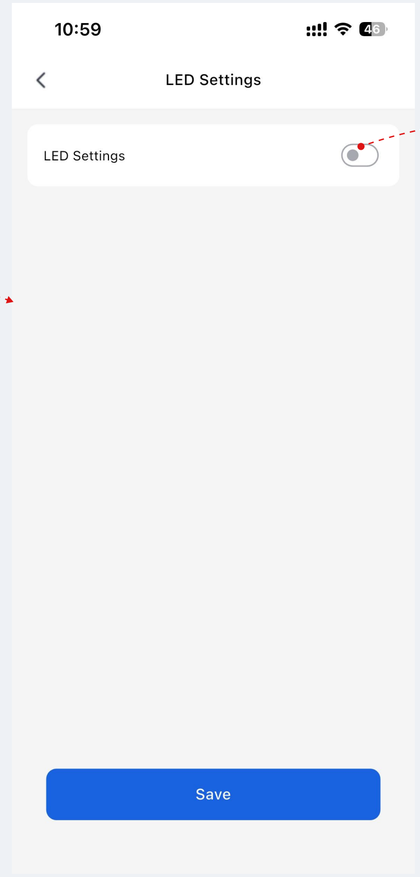
System Settings - Indicator Light Settings

Switch the router's LEDs.

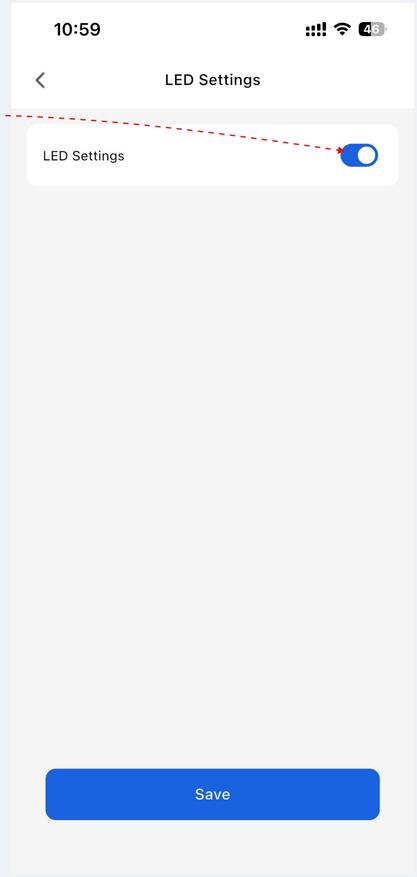
On the “System Settings” page, tap “Indicator Light Settings”



The indicator light is not turned on



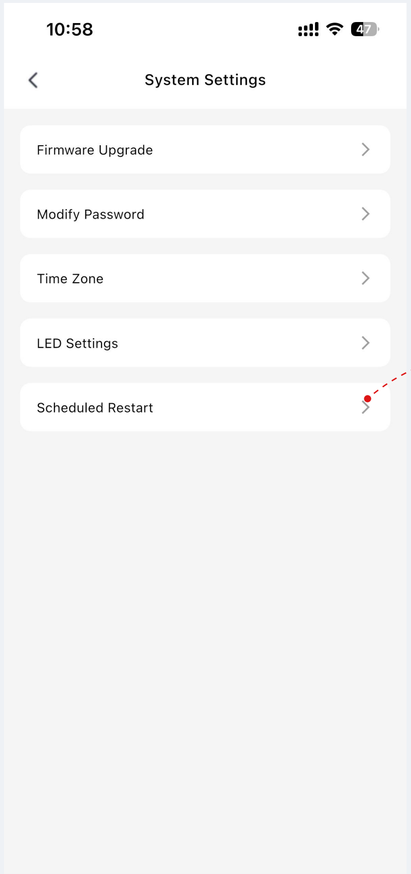
The indicator light setting is turned on



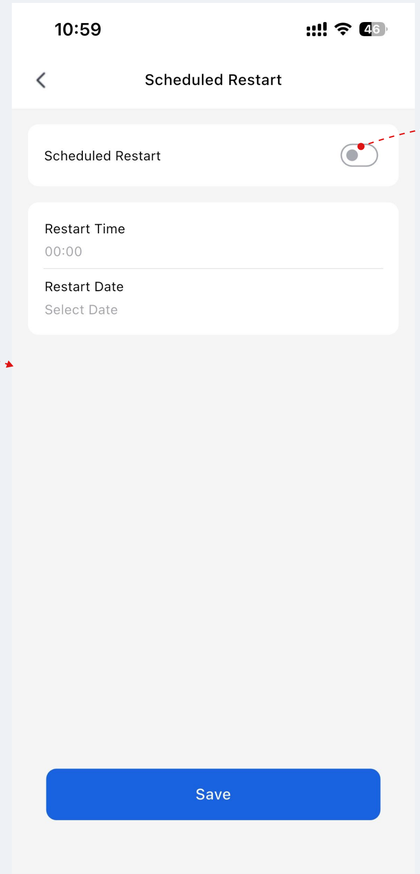
System Settings - Scheduled Restart

Set the router to automatically restart at a fixed time each day or week to ensure long-term stable operation.

On the “System Settings” page, tap “Scheduled Restart”



Scheduled restart is not enabled



Enable scheduled reboots; you can set the reboot timeand the days of the week for reboots

