5GMIFIAX900

5G+ AIRSPOT

MOBILE Wi-Fi 1210



Picture of the product

User Manual

English

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I. Introduction

1. General Overview

Welcome to the user manual for the STRONG 5G+ AIRSPOT MOBILE Wi-Fi 1210 (model 5GMIFIAX900). This guide takes you from unboxing the device to mastering every function available in its Web user interface.

The 5G+ AIRSPOT is a pocket-sized mobile hotspot. Insert a nano SIM card from any major operator and it instantly shares an ultra-fast 5G connection with up to 16 Wi-Fi devices — no configuration, no technician, no fixed line. Its built-in 4,800 mAh battery and integrated USB-C cable make it a self-contained travel companion for holidays, business trips, commuting or working remotely.

Key features:

- 5G sub-6 NSA & SA — up to 3.2 Gbps download and 1.25 Gbps upload; falls back automatically to 4G LTE (390 Mbps down / 210 Mbps up) and 3G
- Wi-Fi 6 (IEEE 802.11ax) dual-band, AX900: 287 Mbps @ 2.4 GHz or 601 Mbps @ 5 GHz
- Up to 16 Wi-Fi devices connected simultaneously
- 4,800 mAh removable rechargeable Lithium-Ion battery
- USB Type-C 3.0 charging port with the cable embedded in the wrist strap
- Wired tethering to a computer over the same USB-C port
- LED status panel: 5G/4G signal, battery level, Wi-Fi and SMS indicators
- Nano SIM slot (SIM card not included) — unlocked, works with all major operators
- Full PIN code management and worldwide roaming enabled by default
- WPA2, WPA3 and WPA2/WPA3 mixed-mode Wi-Fi security
- Built-in SMS inbox with drafts and sent items
- Web UI setup at http://setup.strong or 192.168.0.1 — OTA firmware updates (FOTA)
- 4-year warranty (battery: 2 years)

> ⚠ **IMPORTANT**
> A nano SIM card is required and is not supplied with the product. The 5G+ AIRSPOT does not support eSIM.

> ⚠ **IMPORTANT**
> The 5G+ AIRSPOT is charged over its USB Type-C port and is not supplied with a mains power adapter. Use only a power supply that complies with the ratings given in the general specifications section of this manual and on the product label. Using an unsuitable power supply can be dangerous for the user and, of course, prevents the product from functioning normally. Furthermore, the use of a non-compliant adapter voids the warranty. The current ratings in amperes (A) and voltage ratings in volts (V) are listed in the general specifications section of this manual and on the label located under the rear cover of the product.

2. Box Contents

Check that all of the following items are present when you unpack your 5G+ AIRSPOT:

Item	Description
5G+ AIRSPOT × 1	The mobile hotspot itself, with its battery already fitted.
USB Type-C charging cable × 1	Embedded in the device as a complementary fastener and wrist strap.
Quick Installation Guide × 1	Illustrated setup instructions.
Safety instructions and warranty card × 1	Safety notices and 4-year warranty documentation.

> **NOTE**
> No mains power adapter is supplied. Charge the device from any USB power source that delivers USB 3.0 PD 5 V / 3 A or 9 V / 2.22 A — for example a phone charger, a laptop USB port or a power bank.

3. Physical Overview

The 5G+ AIRSPOT measures 75 × 18 × 141 mm and weighs 400 g with its battery. All controls sit on a single edge, and all status information is shown on the LED panel at the top of the front face.

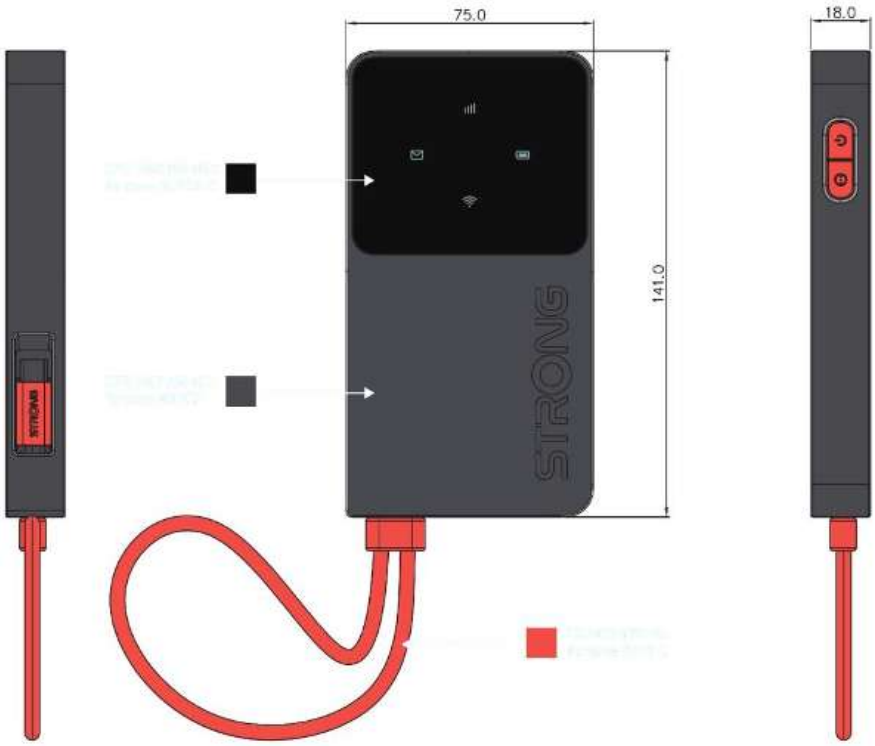


Fig. 1 — Introduction > Physical Overview

Component	Function
LED status panel (front, upper section)	Touch-sensitive black panel showing the four status indicators. It lights up briefly when the device is powered on or woken.
ON/OFF button (right edge)	Powers the device on and off, and wakes the Wi-Fi radio when power saving has switched it off.
Reset button (right edge, below ON/OFF)	Recessed button. Press and hold for 5 seconds to restore factory settings.
USB Type-C port (bottom edge)	Charges the battery and provides wired tethering to a computer. The charging cable is built into the wrist strap.
Nano SIM slot (behind the rear cover)	Holds one nano SIM card. The cover is removable; the SIM card is not included.
Product label (behind the rear cover)	Shows the default Wi-Fi network name, the default Wi-Fi password, the Web UI address and the IMEI.

3.1 LED Indicators

Four indicators are printed on the LED panel. Their meaning is as follows:

Indicator	Meaning
Signal bars (top centre)	5G / 4G mobile signal strength. The more bars are lit, the stronger the reception. Unlit means no mobile service — check that the SIM card is correctly inserted and unlocked.
Envelope (left)	SMS. Lit when at least one unread message is waiting in the inbox.
Battery (right)	Battery level. It also indicates charging when the device is connected to a USB power source.
Wi-Fi symbol (bottom centre)	Wi-Fi radio status. Lit when the Wi-Fi network is broadcasting. Unlit when Wi-Fi has been switched off by power saving — press the ON/OFF button briefly to wake it.

> **NOTE**
> During a firmware upgrade the whole panel blinks. While the device restarts, only the power indicator blinks. Do not disconnect the power or press any button until the restart is complete.

4. Web UI Overview

Every setting on the 5G+ AIRSPOT is managed from its Web user interface, which you reach from any browser on a device connected to the hotspot. There is no companion smartphone application to install.

Open a browser and go to http://setup.strong or http://192.168.0.1. The interface is available in several languages; use the language selector in the top right corner of the header.

The left-hand navigation menu is organised into eight sections:

Menu	Contents
Dashboard	Connection status at a glance: mobile network, data throughput, Wi-Fi names and passwords, memory, storage and temperature.
Network	Mobile Settings, Wi-Fi Parameter Settings, LAN Settings, PIN Management, IP & MAC Binding and MAC Filter.
Security	IP Filter, Domain Filter, Port Filter and DoS Settings.
Connected Devices	List of the clients currently connected, with their IP address, MAC address and connection time.
Device Management	Web UI login password, reboot and factory reset.
System	NTP System Time, FOTA, Local Upgrade, Backup/Restore, Battery, Ping Test and USB.
SMS	Inbox, sent items and drafts; compose and delete messages.
About	Device identity: MAC addresses, IMEI, IMSI, ICCID, serial number and firmware versions.

The header bar, visible on every page, shows the current battery percentage, the language selector and the Logout button. An envelope icon appears in the header when an unread SMS is waiting.

II. Getting Started — Initial Setup

Follow these steps in order the first time you use the device. The whole procedure takes about five minutes.

1. Opening the Device and Inserting the Nano SIM Card

The SIM slot sits behind the rear cover. The cover is a snap fit — no tool is required.

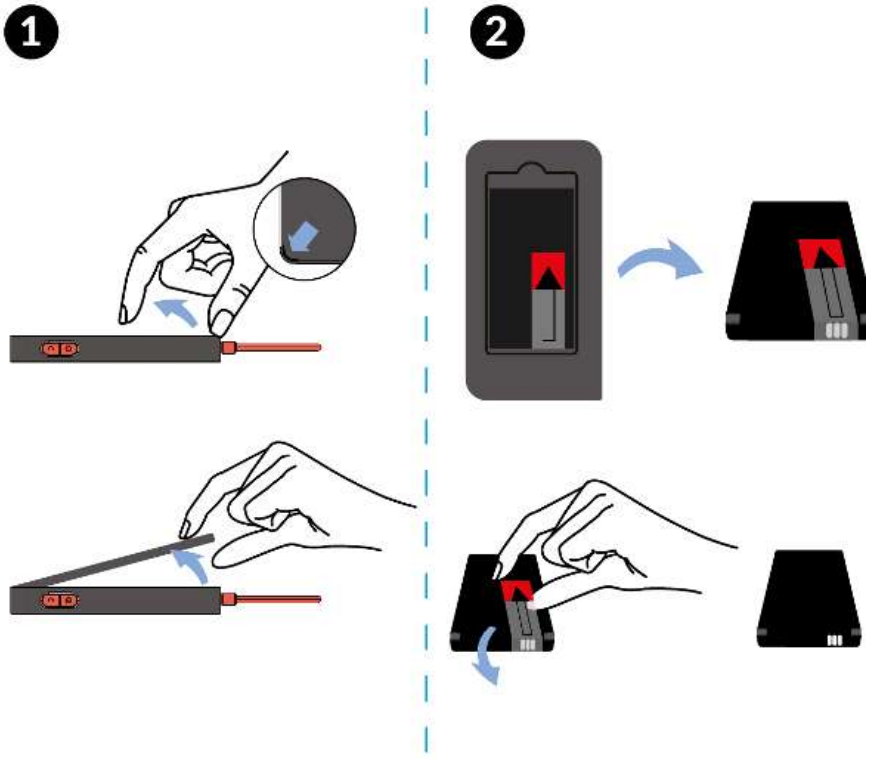


Fig. 2 — Getting Started > Opening the Device

1. Hold the device face down. Using the notch on the bottom edge, gently lift the rear cover away from the body.
2. Release the wrist strap from its anchor point so that the cover comes free.
3. Slide the metal SIM holder towards the unlock symbol, then lift it open.
4. Place a nano SIM card into the holder, gold contacts facing down and the cut corner matching the outline moulded into the housing.
5. Close the holder and slide it towards the lock symbol until it clicks.
6. Refit the rear cover, pressing around the edges until it is flush with the body.

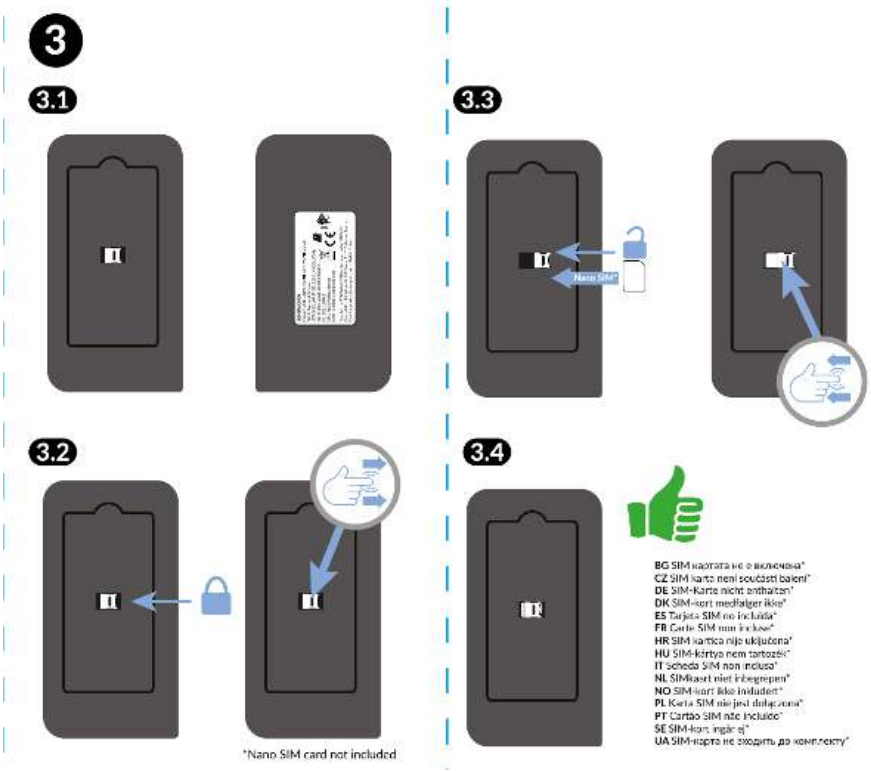


Fig. 3 — Getting Started > Inserting the Nano SIM Card

> **⚠ IMPORTANT**
> Always switch the device off before inserting or removing the SIM card. Use a genuine nano SIM card; do not use an adapter or a trimmed SIM card, as either can jam inside the slot and permanently damage the reader.

2. Charging the Battery

The 5G+ AIRSPOT ships partially charged. Charge it fully before the first use.

7. Unclip the USB-C connector from the wrist strap at the base of the device.
8. Plug it into any USB power source rated USB 3.0 PD 5 V / 3 A or 9 V / 2.22 A.
9. The battery indicator on the LED panel shows the charging progress.

> **NOTE**
> The battery can be used and charged at ambient temperatures between 0 °C and +45 °C. Store the device between −20 °C and +60 °C. The 4-year product warranty does not cover the battery, whose own warranty period is 2 years.

3. Powering On

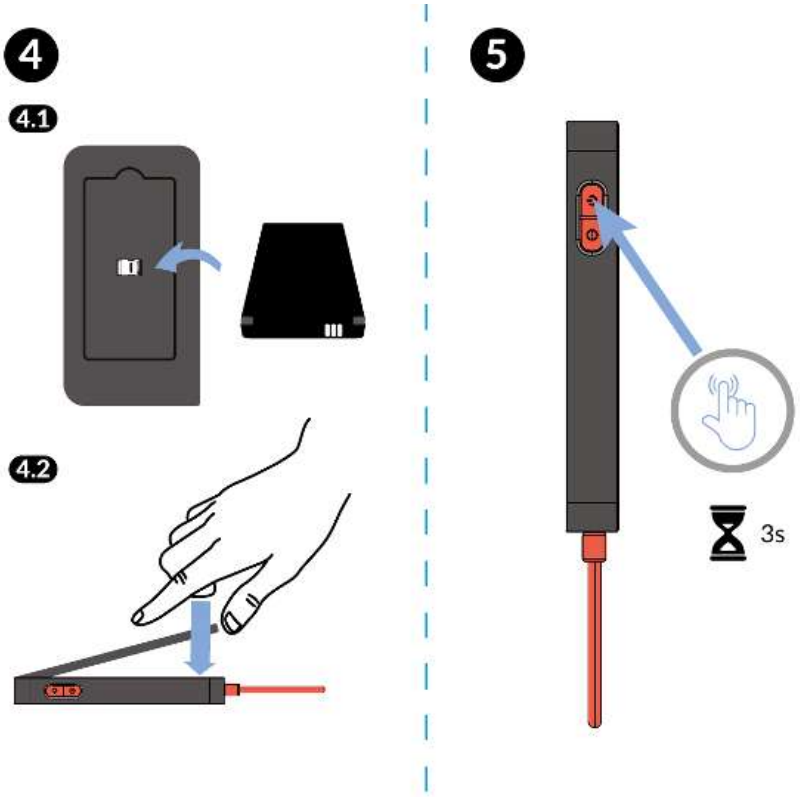


Fig. 4 — Getting Started > Powering On

10. Press and hold the ON/OFF button on the right edge for 3 seconds.
11. The LED panel lights up. Wait for the signal indicator to appear — the device needs about 30 seconds to register on the mobile network.

To switch the device off, press and hold the same button for 5 seconds.

4. Connecting Your Devices to the Wi-Fi Network

The default Wi-Fi network name and password are printed on the product label behind the rear cover.

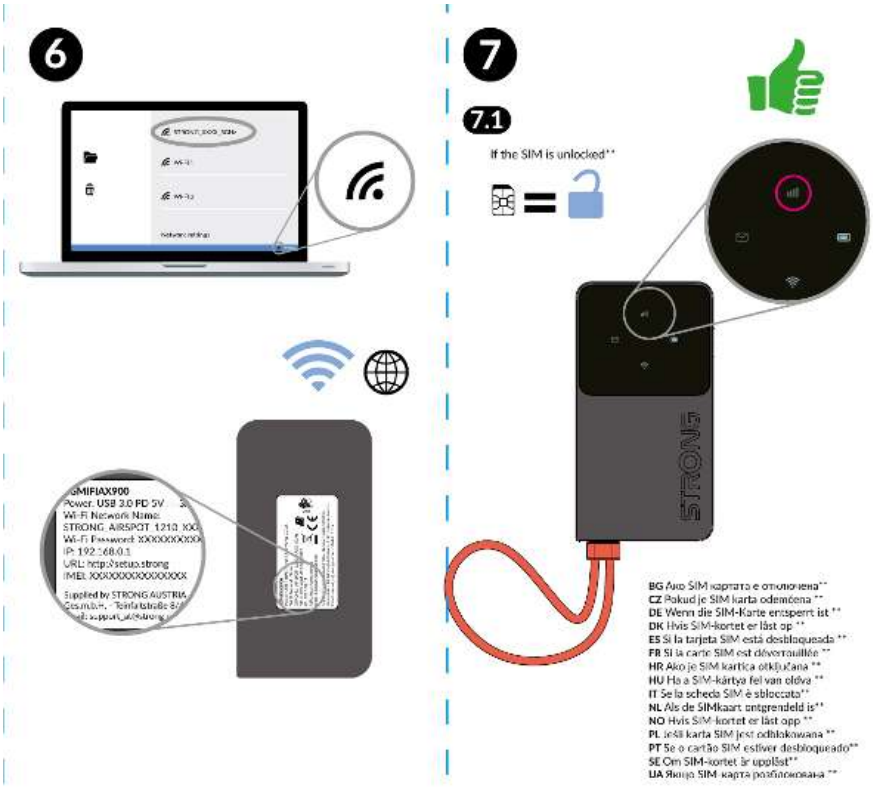


Fig. 5 — Getting Started > Connecting to Wi-Fi

12. On your computer, tablet or smartphone, open the list of available Wi-Fi networks.
13. Select the network whose name matches the Wi-Fi Network Name on the label, in the form STRONG_AIRSPOT_1210_XXXX_5GHz.
14. Enter the Wi-Fi Password printed on the same label.
15. Once connected, open a browser and check that you have Internet access.

> **TIP**
> The label is the only place where the factory Wi-Fi password appears. Photograph it before refitting the cover, or change the password from the Web UI as described in section III.2.3.

5. First Login to the Web UI

The Web UI has no default password. You are asked to create one the first time you connect, which prevents anyone else on the network from taking control of the device.

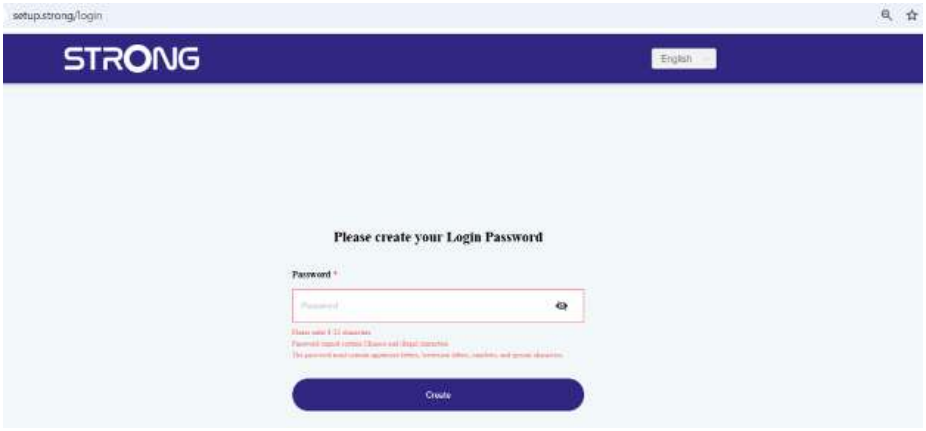


Fig. 6 — Getting Started > First Login

16. Open http://setup.strong or http://192.168.0.1 in a browser.
17. Type a password of 8 to 32 characters containing at least one uppercase letter, one lowercase letter, one number and one special character.
18. Click Create.
19. On every subsequent visit, enter that password on the Enter Login Password screen and click Log In.

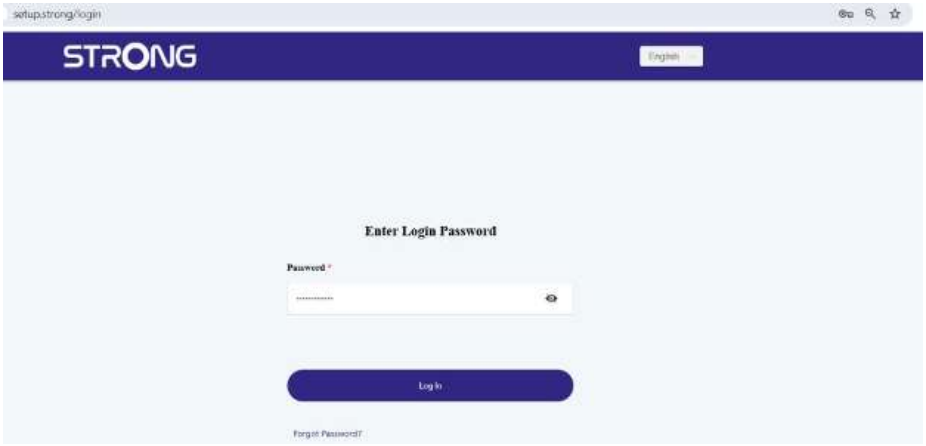


Fig. 7 — Getting Started > Web UI login screen

> **NOTE**
> The Web UI login password is separate from the Wi-Fi password and from the SIM PIN code. Changing one does not change the others.

6. Unlocking a PIN-Protected SIM Card

If your SIM card is protected by a PIN code, the device cannot register on the mobile network until the code has been entered. This is requested after every power-on, reboot and factory reset.



Fig. 8 — Getting Started > SIM PIN

20. Connect to the hotspot Wi-Fi network and open the Web UI.
21. The Need pin code unLock dialog appears automatically over the Dashboard.
22. Enter the four-digit PIN supplied by your operator and click Unlock.

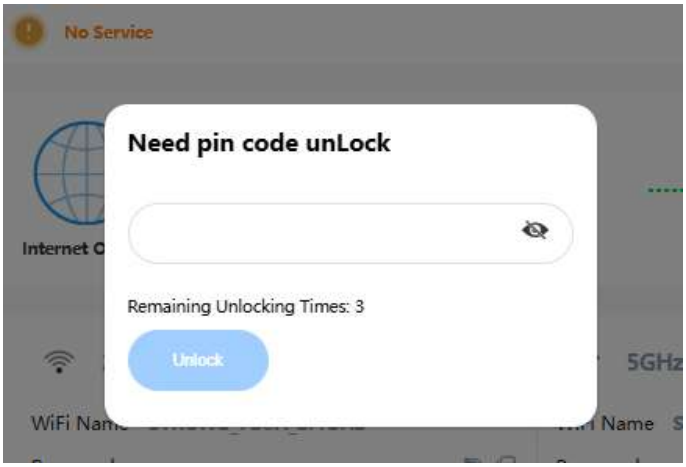


Fig. 9 — Getting Started > SIM PIN — unlock dialog

> ⚠ **IMPORTANT**
> You have three attempts. After three incorrect entries the SIM card is blocked and can only be unlocked with the PUK code supplied by your operator. Ten incorrect PUK entries destroy the card permanently.

To stop the device asking for the PIN at every start-up, disable the SIM card lock from Network > PIN Management, as described in section III.2.5.

III. Full description of the Web UI

1. Dashboard

The Dashboard is the home page of the Web UI and gives you the state of the device at a glance.

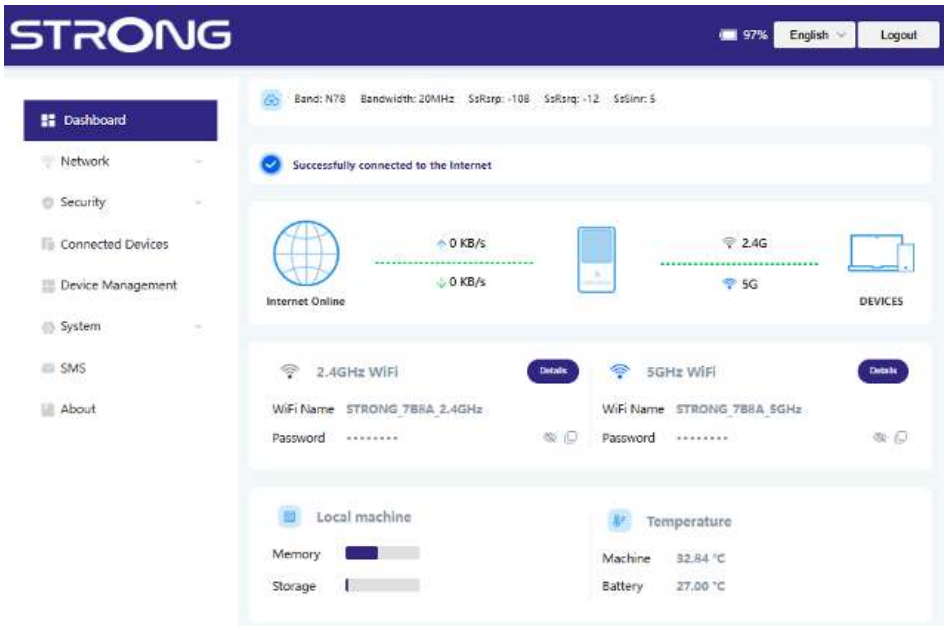


Fig. 10 — Web UI > Dashboard

The elements on this page are interactive:

- Click the mobile network banner at the top to jump straight to Network > Mobile Settings.
- Click either Details button to open Network > Wi-Fi Parameter Settings for that band.
- Click the eye icon to reveal the Wi-Fi password, and the copy icon to copy it to the clipboard.
- A band shown in blue in the connection diagram is currently in use.

The banner reports the live radio conditions: Band identifies the frequency band in use (for example N78), Bandwidth the channel width, and SsRsrp, SsRsrq and SsSinr the received power, quality and signal-to-noise ratio of the 5G cell. Higher SsRsrp and SsSinr values indicate better reception.

2. Network

2.1 Mobile Settings

This page controls the mobile data connection and reports everything the device knows about the operator network it is attached to.

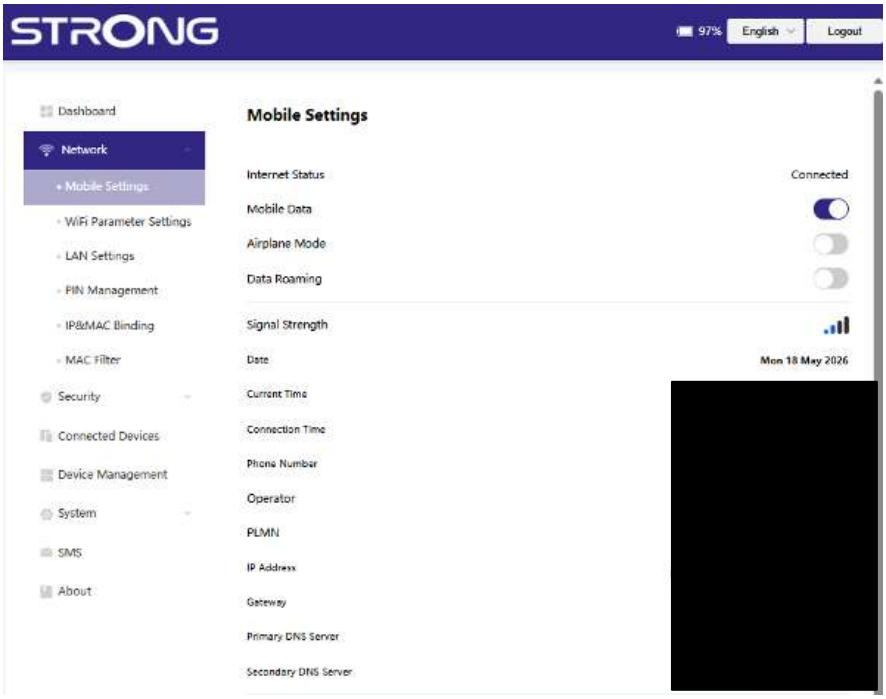


Fig. 11 — Web UI > Network > Mobile Settings

Setting	Description
Mobile Data	Enables or disables the mobile data connection. Enabled by default.
Airplane Mode	Switches off all radio transmission. Disabled by default.
Data Roaming	Allows data use on networks other than your home operator. Enabled by default.
Signal Strength	Current reception, shown as bars.
Connection Time	How long the current data session has been established.
Phone Number / Operator / PLMN	Identity of the SIM card and of the network it is attached to.
IP Address / Gateway / DNS	IPv4 and IPv6 addressing assigned by the operator.

Switching Data Roaming on opens a confirmation dialog, because roaming outside your home network may be charged separately by your operator.

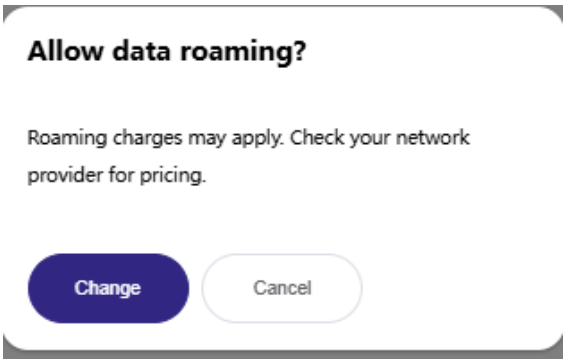


Fig. 12 — Web UI > Network > Mobile Settings — roaming confirmation

Scrolling further down the page reveals the detailed radio information and the network mode selection.

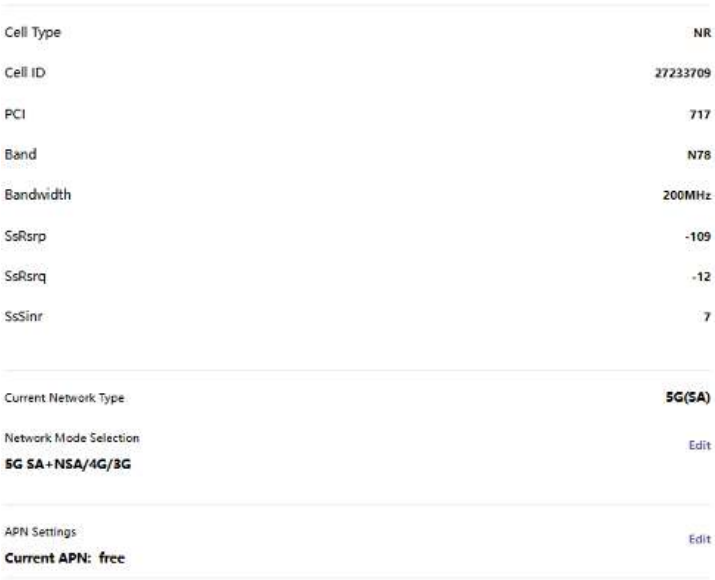


Fig. 13 — Web UI > Network > Mobile Settings — cell information

Click Edit next to Network Mode Selection to force a particular generation of mobile network. The available modes are 5G SA+NSA/4G/3G (the default, and the recommended setting), 5G SA, 5G NSA, 4G/3G and 3G.

> **TIP**
> Leave the mode on 5G SA+NSA/4G/3G unless you are troubleshooting. Forcing a single mode prevents the device from falling back to another network when coverage drops, and the connection will simply be lost instead.

2.2 APN Settings

An APN (Access Point Name) is the gateway profile your device uses to reach the operator's data network. The correct profile is normally detected automatically as soon as the SIM card is inserted, so most users never need to change anything here.

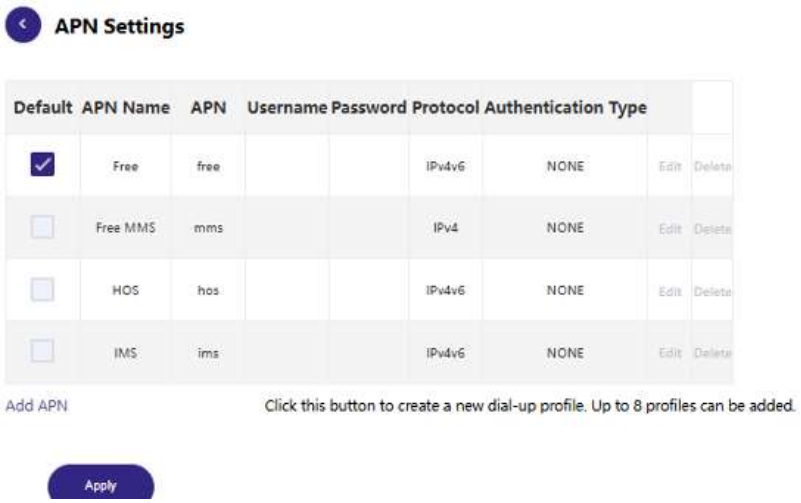


Fig. 14 — Web UI > Network > APN Settings — profile list

To create a new profile:

23. Click Add APN below the table.
24. Fill in the APN Name (a label of your choice), the APN itself, the Authentication Type and the Protocol, using the values supplied by your operator.
25. Click Confirm, then tick the Default checkbox on the new row and click Apply.

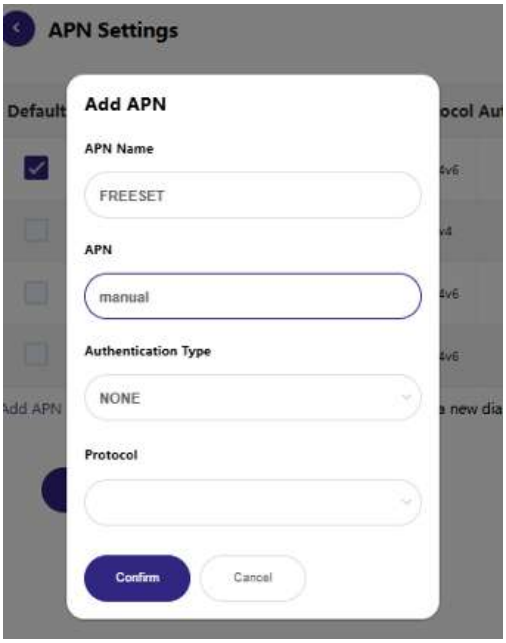


Fig. 15 — Web UI > Network > APN Settings — Add APN

To modify an existing profile, click Edit on its row; the Change APN dialog opens with the same fields pre-filled. To remove a profile, click Delete. In both cases the change takes effect only after you click Apply.

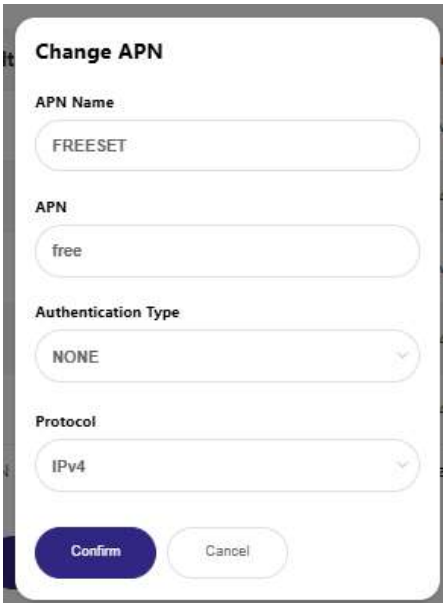


Fig. 16 — Web UI > Network > APN Settings — Change APN

> **NOTE**
> A maximum of eight APN profiles can be stored. The profile marked as Default is the one used for the data connection; the others remain available but inactive.

2.3 Wi-Fi Parameter Settings

This page controls the wireless network broadcast by the device. The 5G+ AIRSPOT broadcasts one Wi-Fi network at a time, on either the 2.4 GHz or the 5 GHz band.

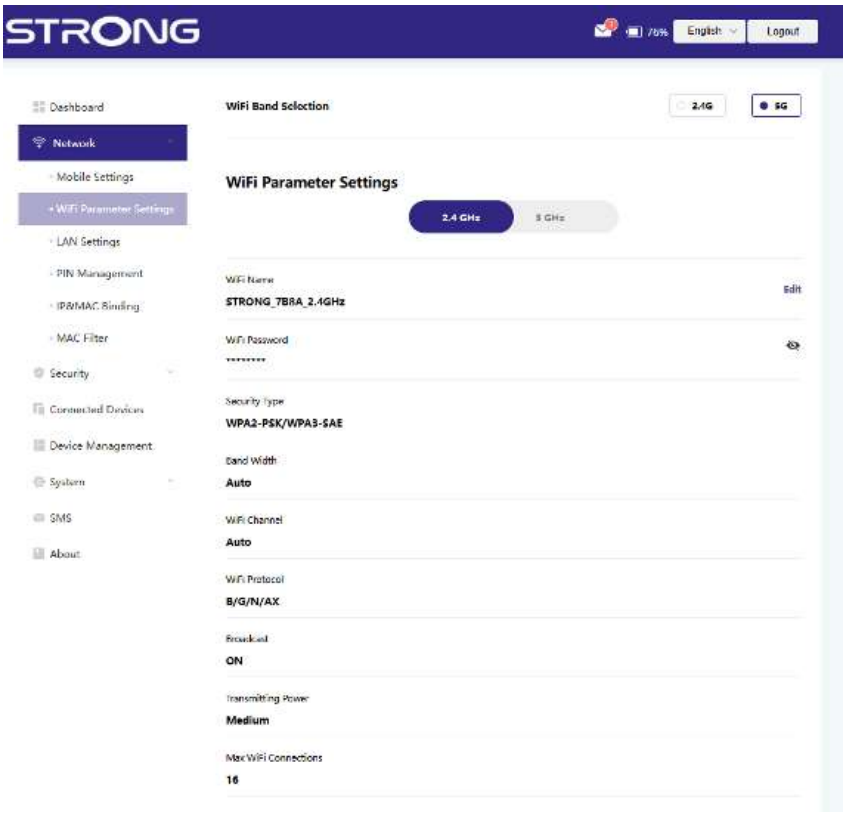


Fig. 17 — Web UI > Network > Wi-Fi Parameter Settings — band selection and current values

Wi-Fi Band Selection at the top chooses which band is broadcast. Choose 2.4 GHz for the longest range and the best wall penetration, or 5 GHz for the highest speed over shorter distances.

Click Edit to make the parameters editable, change what you need, then click Save.

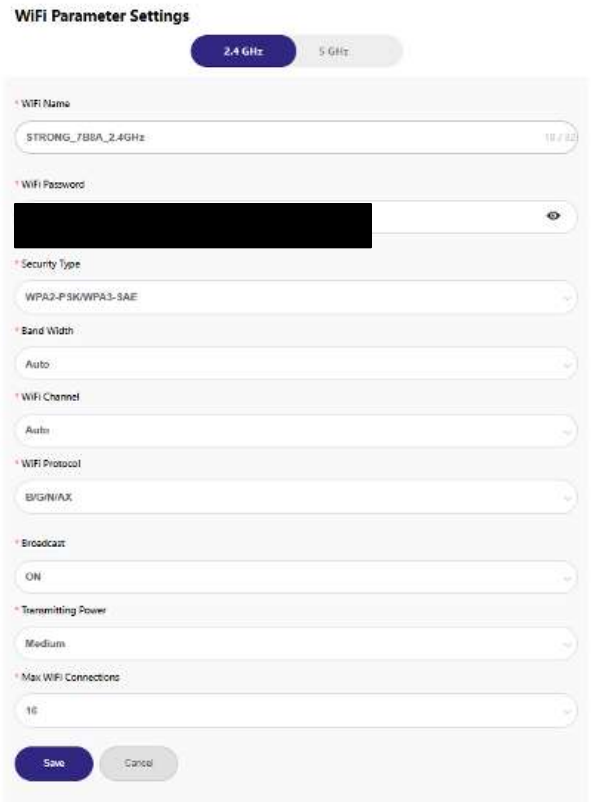


Fig. 18 — Web UI > Network > Wi-Fi Parameter Settings — 2.4 GHz edit mode

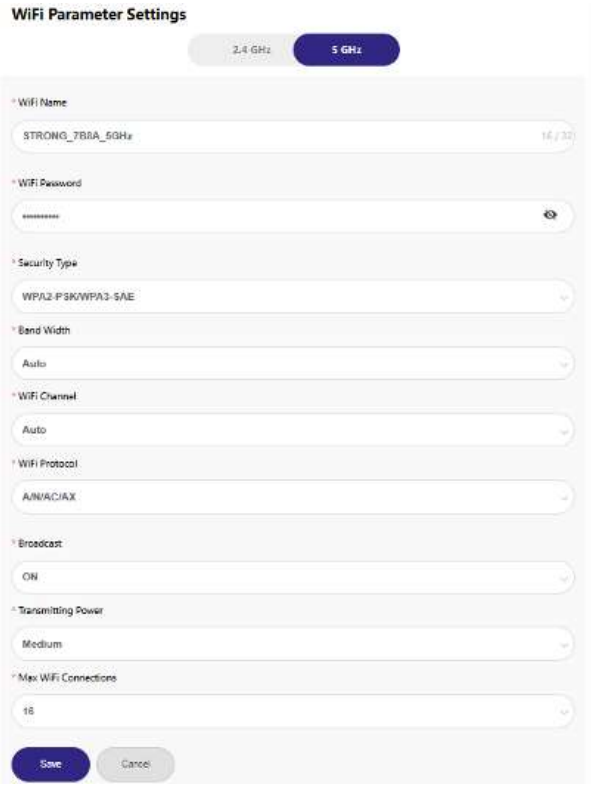


Fig. 19 — Web UI > Network > Wi-Fi Parameter Settings — 5 GHz edit mode

Parameter	Description
Wi-Fi Name (SSID)	The network name broadcast to clients. 1 to 32 characters.
Wi-Fi Password	The key clients must enter to join.
Security Type	WPA3-SAE, WPA2-PSK/WPA3-SAE (default), WPA2-PSK, or No Security.
Band Width	Auto (default), 20M or 40M on 2.4 GHz; Auto, 20M, 40M or 80M on 5 GHz.
Wi-Fi Channel	Auto (default), or channels 1 to 13 on 2.4 GHz and 36 to 161 on 5 GHz.
Wi-Fi Protocol	B/G, B/G/N or B/G/N/AX on 2.4 GHz; A/N/AC/AX on 5 GHz.
Broadcast	ON publishes the network name; OFF hides it, and clients must then enter the name manually.
Transmitting Power	High, Medium (default) or Low. Lowering the power reduces range and saves battery.
Max Wi-Fi Connections	Maximum number of simultaneous clients, up to 16.

⚠ IMPORTANT
Never select No Security. An unprotected hotspot lets anyone within range use your mobile data allowance and intercept your traffic. Keep WPA2-PSK/WPA3-SAE unless a specific older device refuses to connect.

ⓘ NOTE
Saving a change to the Wi-Fi parameters restarts the wireless radio. Connected clients are disconnected for up to 30 seconds and must reconnect — with the new name and password if you changed them.

2.4 LAN Settings

These settings define the local network handed out to connected clients. The defaults suit almost every use case and should only be changed if you have a specific addressing requirement.

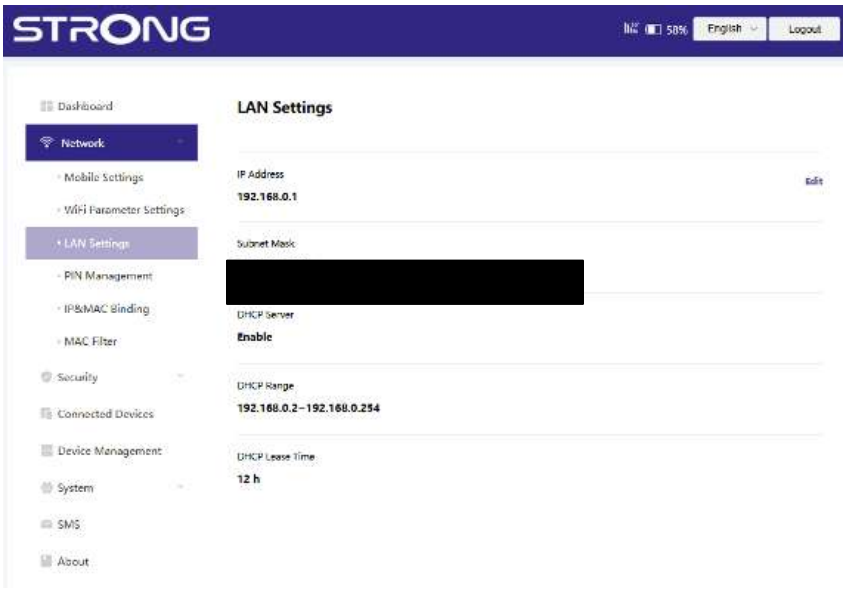


Fig. 20 — Web UI > Network > LAN Settings

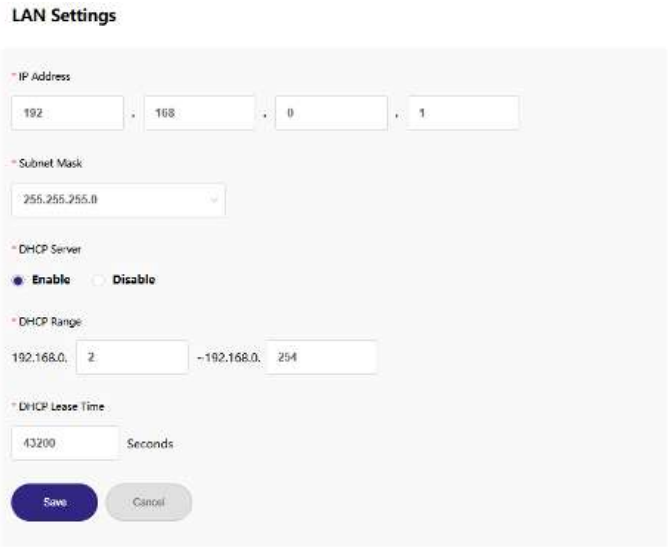


Fig. 21 — Web UI > Network > LAN Settings — edit mode

Setting	Description
IP Address	The address of the device on its own network, and the address of the Web UI. Default 192.168.0.1.
Subnet Mask	Size of the local network. Default 255.255.255.0.

Setting	Description
DHCP Server	When enabled, the device assigns IP addresses to clients automatically. Enabled by default.
DHCP Range	Pool of addresses available to clients. Default 192.168.0.2 to 192.168.0.254.
DHCP Lease Time	How long an assigned address stays valid, in seconds. Default 43,200 seconds (12 hours).

NOTE
If you change the IP address, the Web UI moves with it. After saving, reconnect to the Wi-Fi network and open the new address in your browser. The alias http://setup.strong continues to work in all cases.

2.5 PIN Management

This page controls the PIN code of the SIM card itself — not the Web UI password.

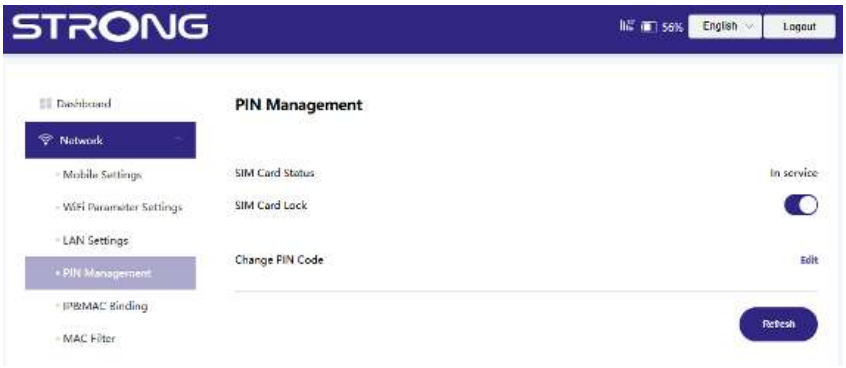


Fig. 22 — Web UI > Network > PIN Management

Switching the SIM Card Lock toggle off disables the PIN request at start-up. You must enter the current PIN to confirm.

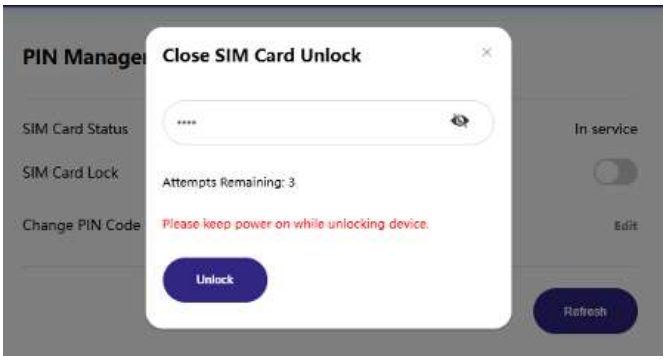


Fig. 23 — Web UI > Network > PIN Management — disable SIM lock

Switching it back on re-enables the PIN request, again after confirmation.

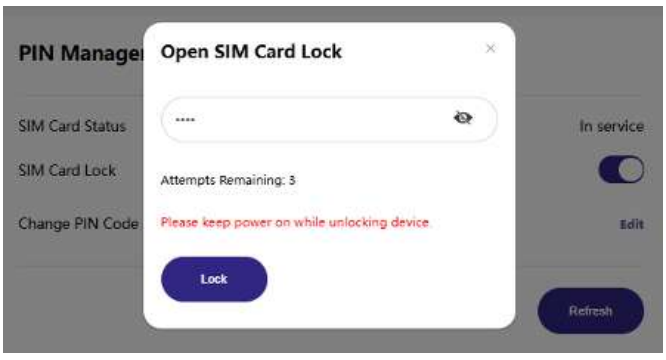


Fig. 24 — Web UI > Network > PIN Management — enable SIM lock

To change the code, click Edit on the Change PIN Code row, enter the old PIN, then the new PIN twice, and click Save. The PIN code must be 4 to 8 digits long.

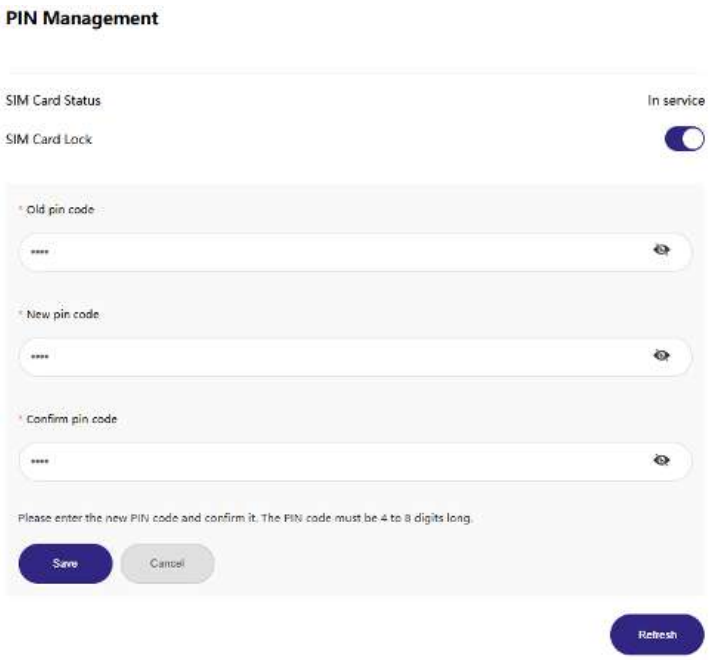


Fig. 25 — Web UI > Network > PIN Management — Change PIN Code

> ⚠ **IMPORTANT**
> Keep the device powered on for the whole operation. Only three attempts are allowed; after three failures the SIM card is blocked and requires the PUK code from your operator.

2.6 IP & MAC Binding

IP & MAC binding reserves a fixed IP address for a given client, identified by its MAC address. That client then receives the same address every time it connects, which is useful for a printer, a NAS or any device you reach by address rather than by name. The feature is disabled by default.

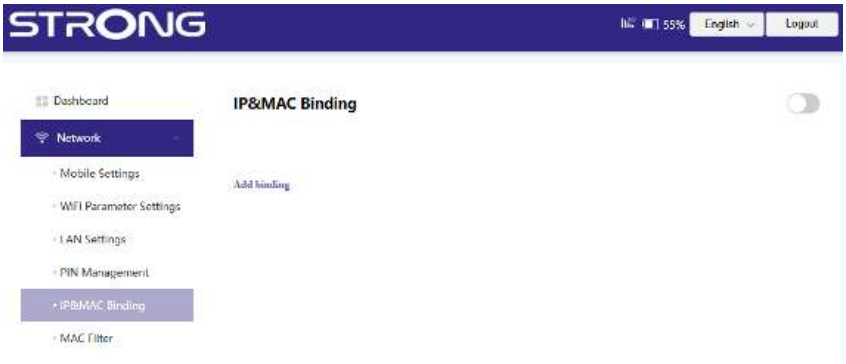


Fig. 26 — Web UI > Network > IP & MAC Binding

26. Switch the toggle at the top right to on.
27. Click Add binding.
28. Choose a client from the Select a device drop-down, which fills in the MAC address automatically, or type the MAC address manually in the AA:BB:CC:DD:EE:FF format.
29. Enter the IP address to reserve. It must fall inside the DHCP range configured in LAN Settings.
30. Click Save.

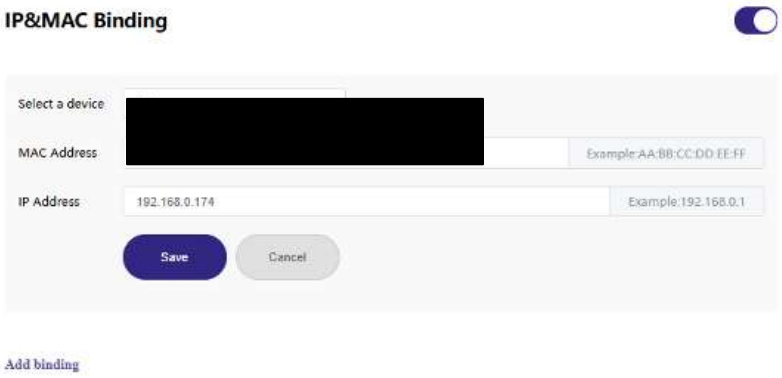


Fig. 27 — Web UI > Network > IP & MAC Binding — Add binding

> **NOTE**
> The client must reconnect, or its DHCP lease must expire, before the reserved address takes effect.

2.7 MAC Filter

The MAC filter controls which devices are allowed to join the Wi-Fi network, based on their hardware address. It is disabled by default, in which case any device with the correct Wi-Fi password can connect.

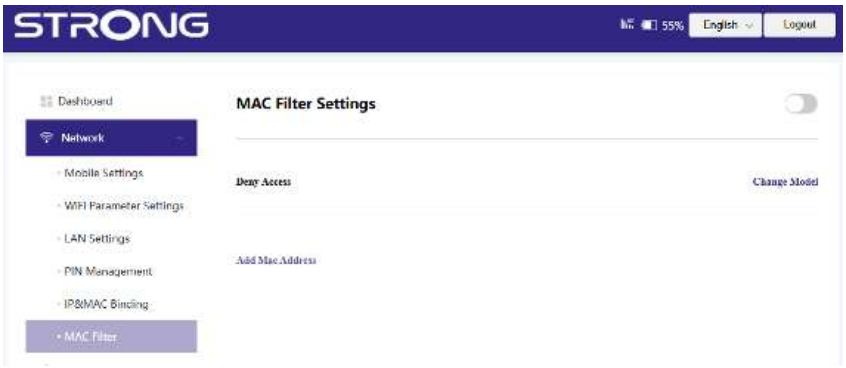


Fig. 28 — Web UI > Network > MAC Filter

Two modes are available:

- Deny Access — every device may connect except those in the list. Use this to block a specific device.
- Allow Access — only the devices in the list may connect, and every other device is refused. Use this to lock the hotspot down to your own equipment.



Fig. 29 — Web UI > Network > MAC Filter — mode selection

31. Switch the MAC Filter Settings toggle on.
32. Click Change Model and choose Deny Access or Allow Access, then click Save.
33. Click Add Mac Address, enter the MAC address in the AA:BB:CC:DD:EE:FF format and a Description that will help you recognise the entry later.
34. Leave the Active toggle on and click Save.

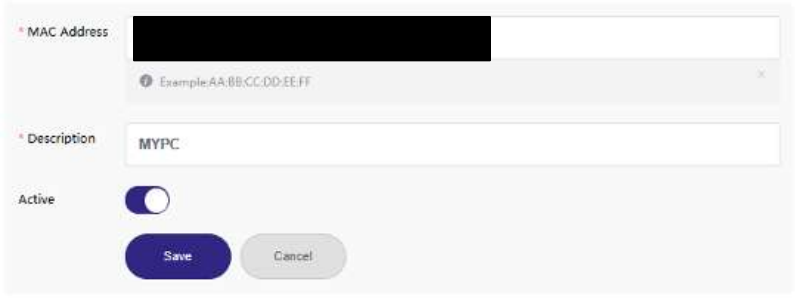


Fig. 30 — Web UI > Network > MAC Filter — Add Mac Address

> **⚠ IMPORTANT**
> Enable the MAC Filter Settings toggle before adding entries; the device refuses to save a rule while the feature is switched off. Take particular care with Allow Access — if you enable it without first listing the computer you are working from, you will lock yourself out of the Wi-Fi network and will need a factory reset to recover.

3. Security

The Security menu groups four filtering and protection features. All four are disabled by default.

3.1 IP Filter

Blocks traffic to or from specific IP addresses or address ranges. Use it to prevent connected clients from reaching a particular server.

3.2 Domain Filter

Blocks access to specific websites by domain name. Once a domain is listed and the feature is enabled, no client on the hotspot can open it.



Fig. 31 — Web UI > Security > Domain Filter

35. Open Security > Domain Filter and switch the toggle on.
36. Click Add domain and type the domain name, for example www.example.com.
37. Save the entry. Clients trying to open that address now receive a connection timeout.

> **NOTE**
> The filter matches the domain name as entered. Blocking www.example.com does not necessarily block example.com; add both if you need to cover the two forms.

3.3 Port Filter

Blocks traffic on specific TCP or UDP port numbers, which lets you prevent a whole class of service from being used over the connection.

3.4 DoS Settings

Protects the device against denial-of-service attacks by discarding abnormal floods of incoming traffic.

4. Connected Devices

This page lists every client currently attached to the hotspot.



Fig. 32 — Web UI > Connected Devices

For each client the page reports its name, IP address, MAC address and how long it has been connected. Use it to check how many of your 16 available Wi-Fi slots are in use, and to collect the MAC address of a device you want to add to the MAC filter or to an IP & MAC binding rule.

> **TIP**
> If you see a client you do not recognise, change the Wi-Fi password immediately from Network > Wi-Fi Parameter Settings.

5. Device Management

This page groups the Web UI login password and the two reset commands.

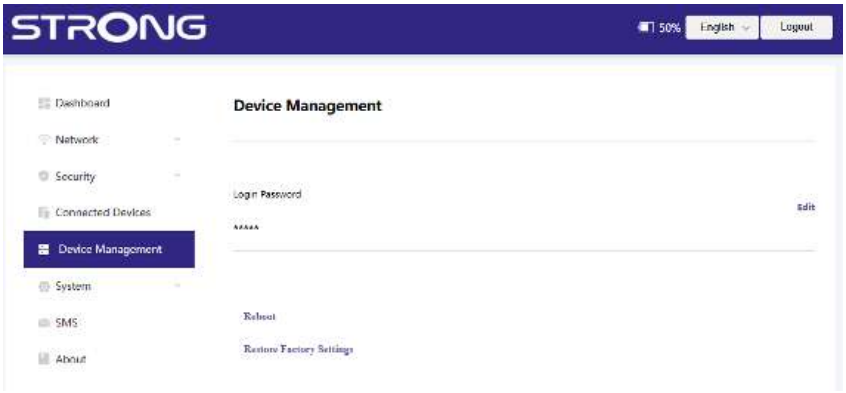


Fig. 33 — Web UI > Device Management

5.1 Changing the Web UI Password

38. Click Edit on the Login Password row.
39. Enter the old password, then the new password twice.
40. Click Save. The Web UI logs you out; log back in with the new password.

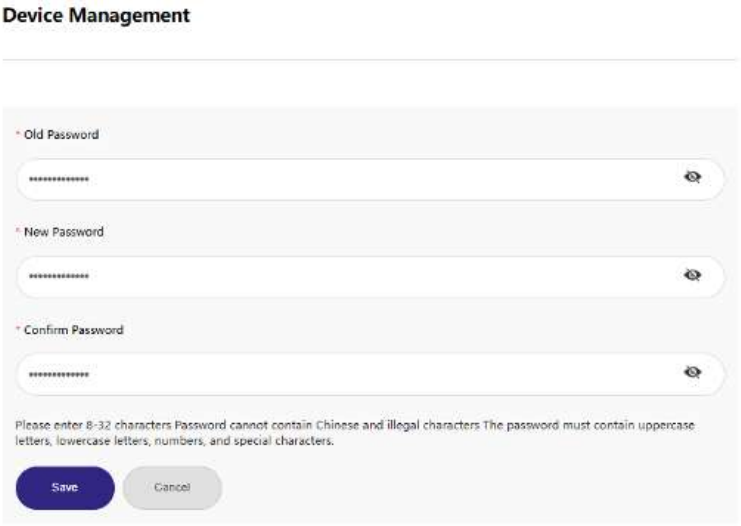


Fig. 34 — Web UI > Device Management — change login password

5.2 Rebooting the Device

Click Reboot and confirm. The restart takes about 60 seconds, during which the Wi-Fi network disappears and all clients are disconnected. No setting is lost.

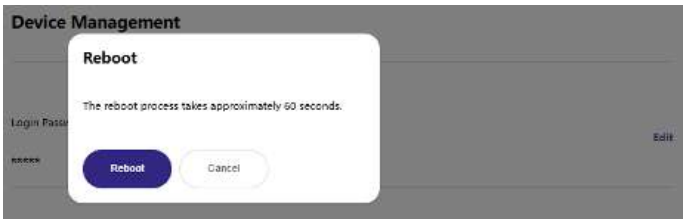


Fig. 35 — Web UI > Device Management — Reboot

5.3 Restoring Factory Settings

Click Restore Factory Settings and confirm. Every setting returns to its original value and the device restarts, which takes about 90 seconds.

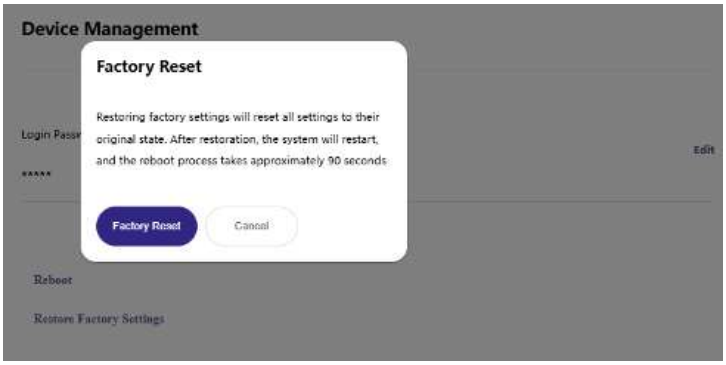


Fig. 36 — Web UI > Device Management — Factory Reset

> ⚠ **IMPORTANT**
> A factory reset erases the Web UI password, the Wi-Fi name and password, all APN profiles and every filter rule. The Wi-Fi network reverts to the name and password printed on the label under the rear cover, and you will be asked to create a new Web UI password at the next login. Download a backup first — see section III.6.4.

The same two operations can be performed on the device itself, without the Web UI:

- Reboot — press and hold the ON/OFF button for 5 seconds to power off, then press it for 3 seconds to power back on.
- Factory reset — press and hold the recessed Reset button for 5 seconds.

5.4 Recovering a Forgotten Web UI Password

There is no password recovery procedure and no master password. If you have lost the Web UI password, the only way back in is a factory reset from the Reset button on the device.

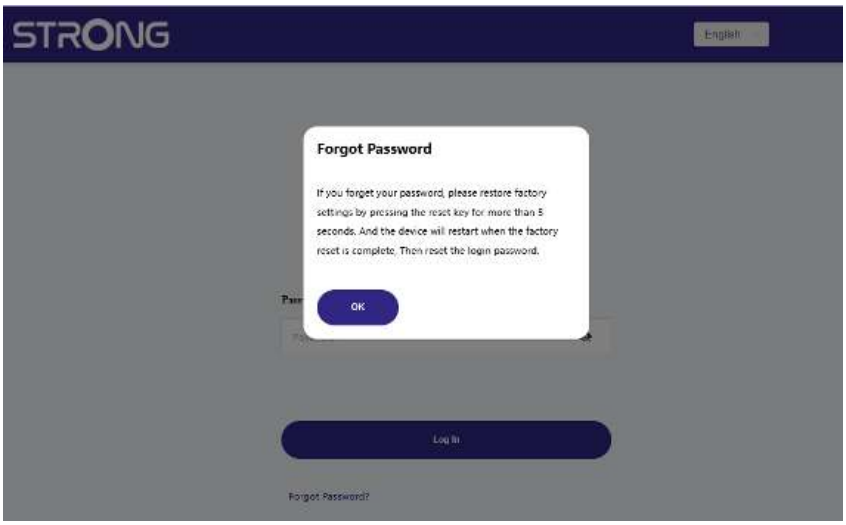


Fig. 37 — Web UI > Device Management — Forgot Password

6. System

6.1 NTP System Time

The device synchronises its clock over the Internet, which keeps timestamps on SMS messages and logs accurate.

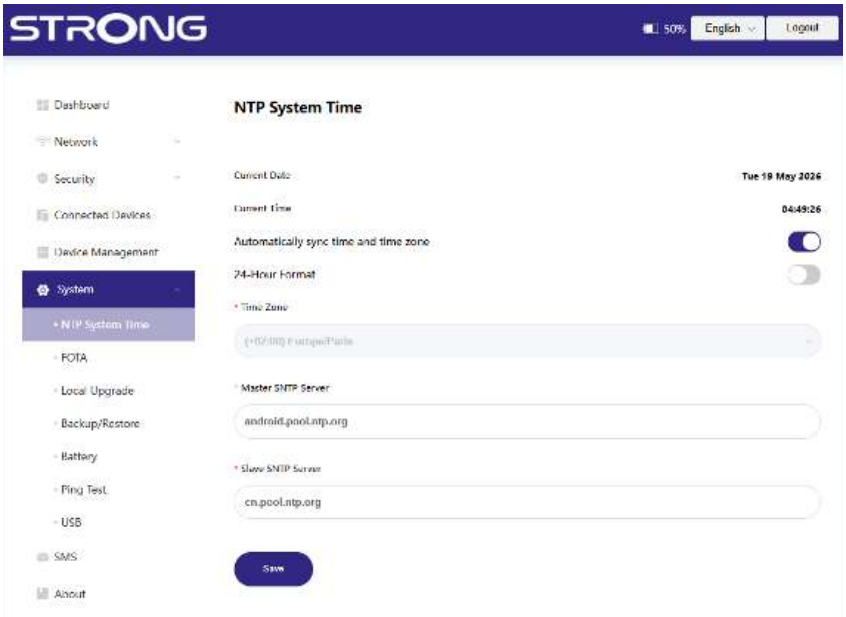


Fig. 38 — Web UI > System > NTP System Time

Setting	Description
Automatically sync time and time zone	When on, the date, time and time zone follow the mobile network. Switch it off to set the time zone by hand.
24-Hour Format	Switches the clock display between 24-hour and 12-hour format.
Time Zone	Manual time zone selection, available only when automatic synchronisation is off.
Master / Slave SNTP Server	Time servers queried by the device. Change them only if your network blocks the defaults.

6.2 FOTA — Firmware Over The Air

FOTA downloads and installs firmware updates directly over the mobile connection. Updates fix bugs and improve stability, so keeping the firmware current is worthwhile.

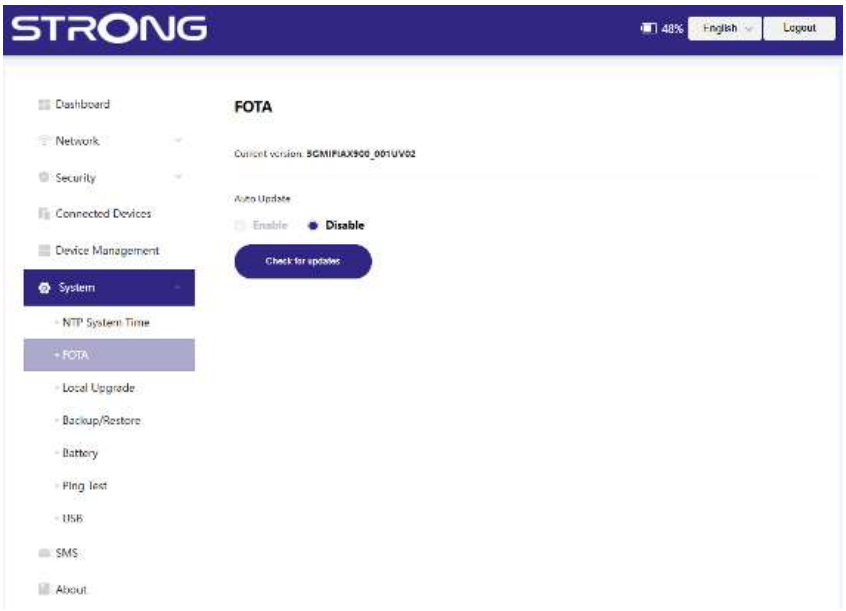


Fig. 39 — Web UI > System > FOTA

41. Open System > FOTA.
42. Click Check for updates.
43. If a newer version exists, a dialog reports the new version number, its size and its release notes. Click Update to start.

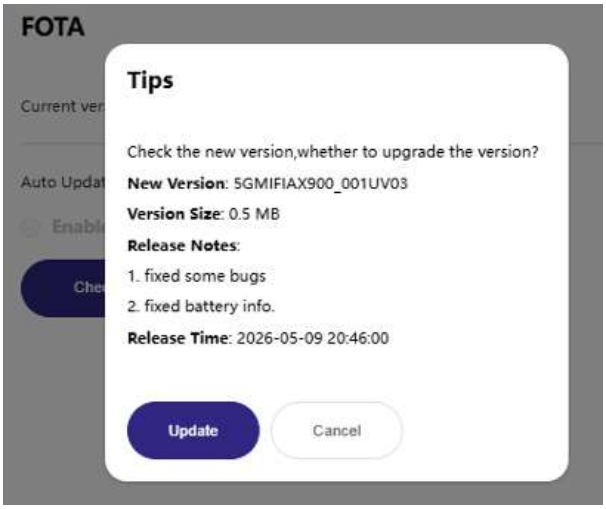


Fig. 40 — Web UI > System > FOTA — update available

The device downloads the package, verifies it, installs it and restarts. The whole sequence is shown on screen and takes several minutes.

Set Auto Update to Enable to let the device check for and install updates on its own.

> ⚠ **IMPORTANT**

Do not unplug the power or reboot the device during a firmware update. An interrupted update can leave the device unusable. The LED panel blinks throughout the upgrade and only the power indicator blinks during the restart — this is normal.

6.3 Local Upgrade

Local Upgrade installs a firmware package from a file rather than over the air. Use it when your operator or STRONG support has supplied a specific package.

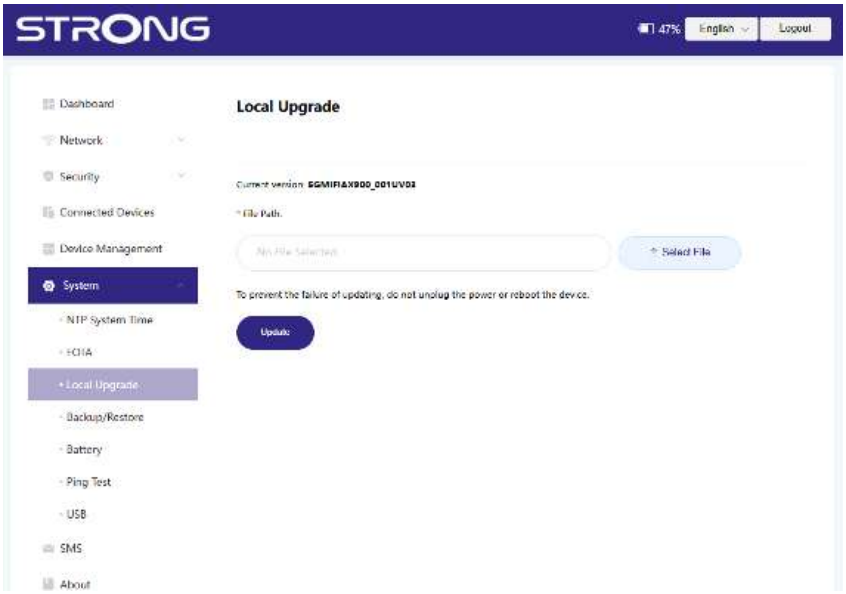


Fig. 41 — Web UI > System > Local Upgrade

44. Click Select File and choose the firmware package supplied to you.
45. Click Update and wait for the upload to finish.
46. The device installs the package and restarts.

NOTE
Downgrading to an older firmware version is refused: the update fails with a notice about a downgrade in the payload timestamp. Only use packages intended for the 5GMIFIAX900.

6.4 Backup / Restore

Backup saves the current configuration to a file on your computer, which you can reload later — for example after a factory reset.

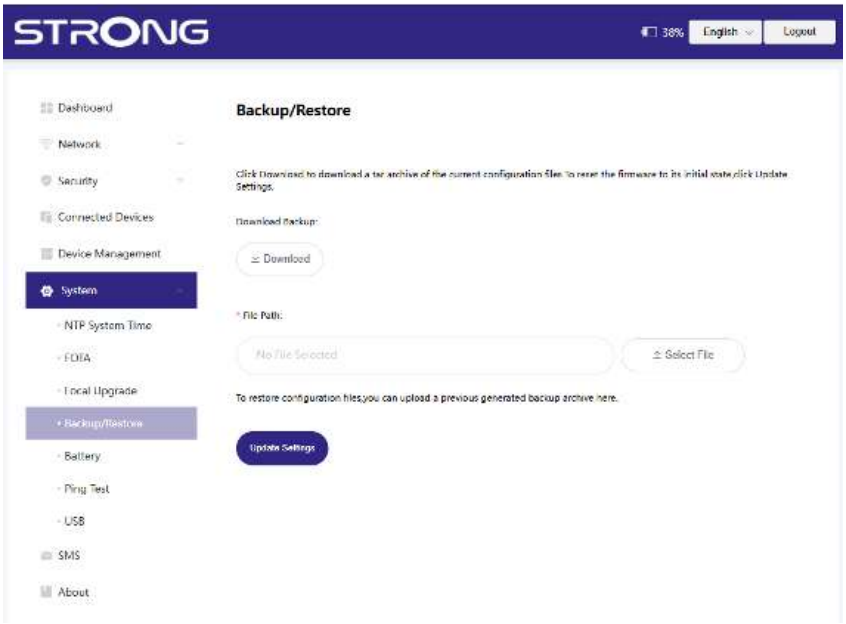


Fig. 42 — Web UI > System > Backup/Restore

To create a backup, click Download. A JSON file named backupconfig_<date>_<time>.json is saved to your computer.

To restore, click Select File, choose a backup file and click Update Settings. The device applies the configuration and restarts; the Web UI becomes unreachable for a few minutes. Reconnect to the Wi-Fi network — its name may have changed back to the one stored in the backup — and log in again.

> **TIP**
> Take a backup once your device is configured the way you want it, and take a fresh one after any significant change. It costs nothing and saves a lot of time if you ever need a factory reset.

6.5 Battery

This page reports the charge level and controls the Wi-Fi power saving behaviour.

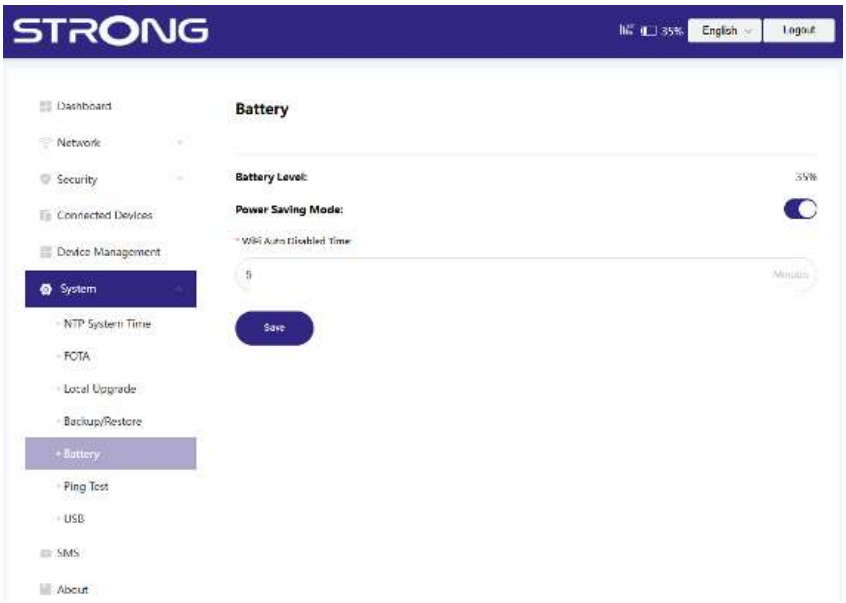


Fig. 43 — Web UI > System > Battery

When Power Saving Mode is on, the device switches its Wi-Fi radio off after the number of minutes set in Wi-Fi Auto Disabled Time, provided no client is connected. Press the ON/OFF button briefly to bring the Wi-Fi back; clients can then reconnect.

Switch Power Saving Mode off to keep the Wi-Fi network permanently available, at the cost of shorter battery life.

> **NOTE**
> Saving a change on this page restarts the Wi-Fi radio, which may take up to 30 seconds. You may lose your Wi-Fi connection briefly during the operation.

6.6 Ping Test

The ping test checks whether the device can reach a given address, which quickly distinguishes a mobile connection problem from a problem on the client side.

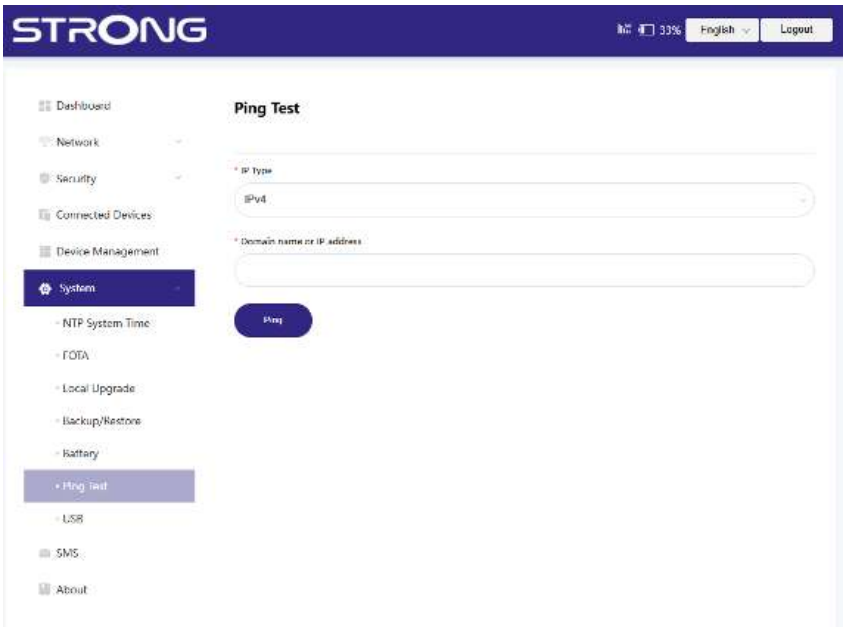


Fig. 44 — Web UI > System > Ping Test

47. Choose the IP Type: IPv4 or IPv6.
48. Enter a domain name or an IP address — 8.8.8.8 and www.google.com are convenient choices.
49. Click Ping and read the result in the panel below.

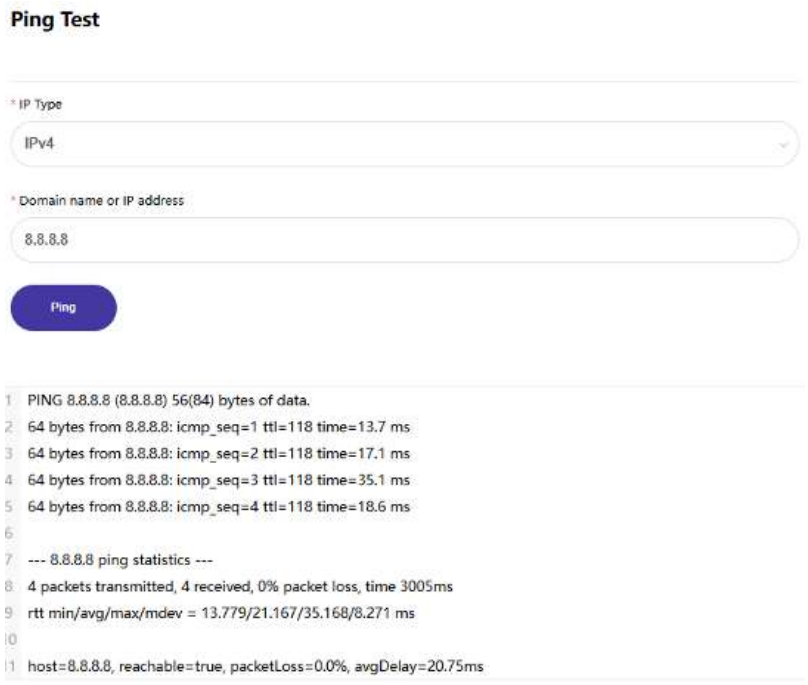


Fig. 45 — Web UI > System > Ping Test — result

Four replies with 0 % packet loss indicate a healthy connection. Complete packet loss on both an IP address and a domain name points to a mobile connection problem; loss on the domain name only points to a DNS problem.

6.7 USB

The USB page controls what happens when the device is connected to a computer by its USB-C cable.

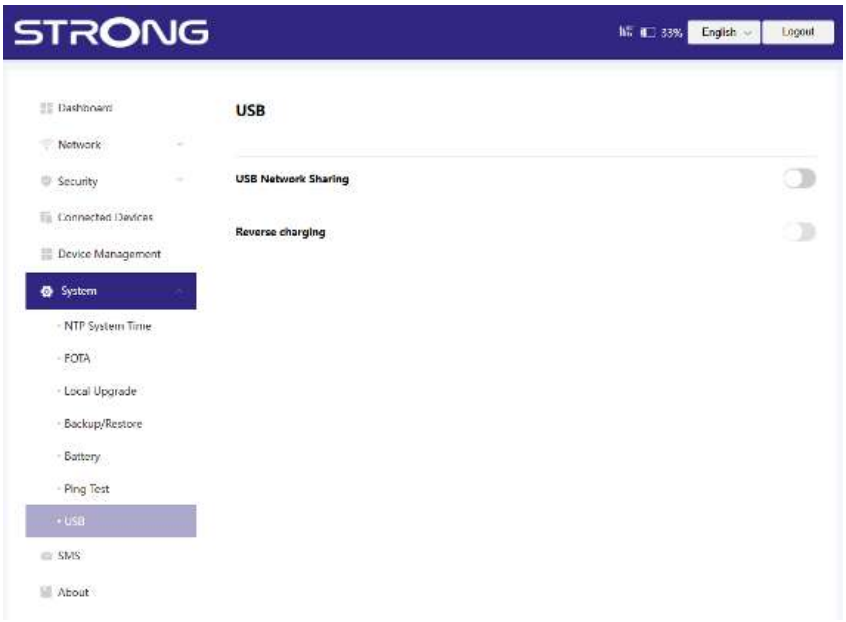


Fig. 46 — Web UI > System > USB

Setting	Description
USB Network Sharing	Shares the mobile connection with a computer over the USB-C cable, in addition to Wi-Fi. Connect the cable to the computer first; the option cannot be enabled otherwise.
Reverse charging	Uses the device battery to charge another appliance over the USB-C cable.

7. SMS

The device receives and sends text messages on its SIM card number. Messages are managed entirely from this page.

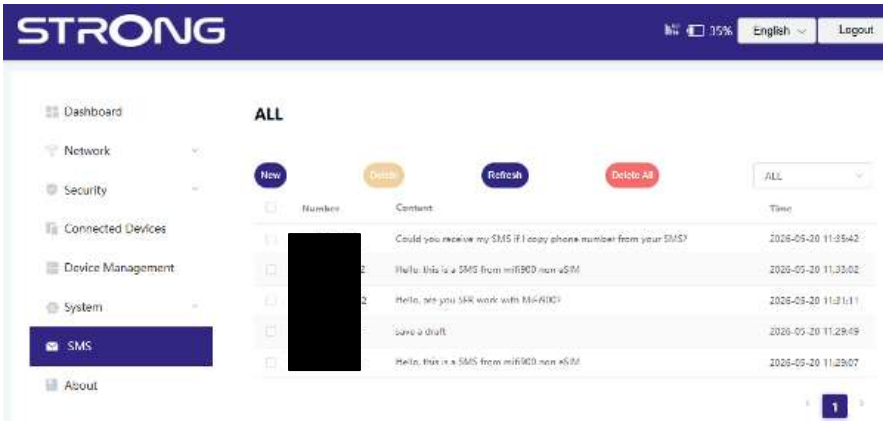


Fig. 47 — Web UI > SMS

Control	Function
New	Opens the composition window.
Delete	Deletes the messages whose checkbox is ticked.
Delete All	Deletes every message in the current view.
Refresh	Reloads the list to show messages that have arrived since the page was opened.
Filter drop-down	Restricts the list to ALL, Inbox, Sent, Draft or Unread.

To send a message, click New, enter the recipient's number in international format, type your text — up to 160 characters, counted for you — and click Send. Click Save Draft instead to keep the message for later.

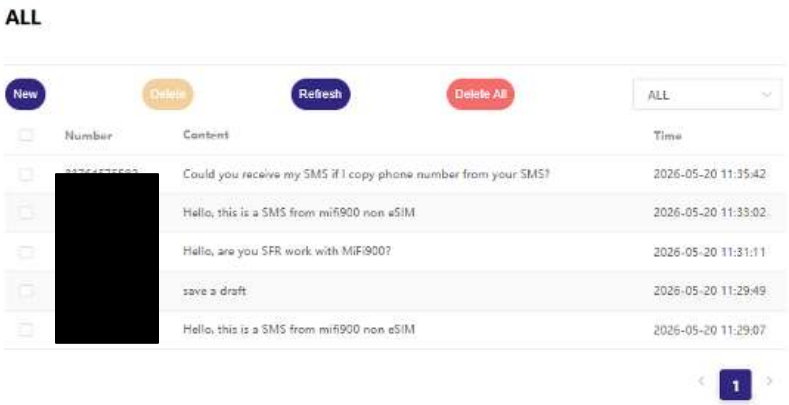


Fig. 48 — Web UI > SMS — New Message

Click any row in the list to open the message in full. An unread message also lights the envelope indicator on the LED panel and shows an envelope badge in the Web UI header.

> **NOTE**
> The device handles text messages only. Multimedia messages (MMS), including photos, are not supported.

8. About

The About page gathers the identity of the device and of the SIM card. Have this information to hand when you contact support.

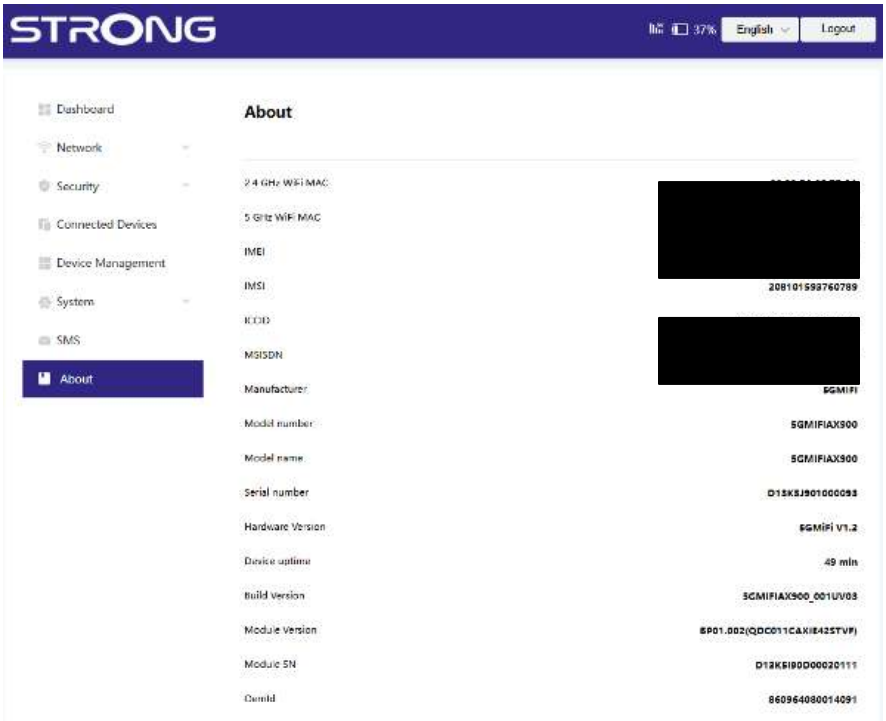


Fig. 49 — Web UI > About

Field	Meaning
2.4 GHz / 5 GHz Wi-Fi MAC	Hardware addresses of the two Wi-Fi radios.
IMEI	Unique identifier of the device on mobile networks.
IMSI / ICCID / MSISDN	Identifiers of the SIM card and its phone number.
Model number / Model name	5GMIFIAX900.
Serial number	Serial number of the unit.
Hardware Version	Revision of the hardware.
Device uptime	Time elapsed since the last start-up.
Build Version	Firmware version currently installed. Quote this when reporting a problem.
Module Version / Module SN	Version and serial number of the internal 5G modem.

IV. Common operations

This section gathers the operations you are most likely to perform once the device is up and running. Each one refers back to the full description in section III.

1. Change the Wi-Fi name and password

- Go to Network > Wi-Fi Parameter Settings.
- Click Edit.
- Change the Wi-Fi Name and the Wi-Fi Password.
- Click Save.

> **TIP**
> Do this straight away if you have refitted the rear cover without noting the factory password, since the label under the cover is the only place it appears.

2. Switch between the 2.4 GHz and 5 GHz band

- Go to Network > Wi-Fi Parameter Settings.
- In Wi-Fi Band Selection at the top of the page, click 2.4G or 5G.

> **NOTE**
> The device broadcasts one band at a time. Choose 2.4 GHz for range and wall penetration, 5 GHz for speed. Each band keeps its own name, password and settings, so clients must reconnect after a switch.

3. Stop the device asking for the SIM PIN at every start-up

- Go to Network > PIN Management.
- Switch the SIM Card Lock toggle off.
- Enter the current PIN code and click Unlock.

> **IMPORTANT**
> Only three attempts are allowed. After three failures the SIM card is blocked and requires the PUK code from your operator.

4. Add or change an APN profile

- Go to Network > Mobile Settings and click Edit next to APN Settings.
- Click Add APN, or click Edit on an existing row.
- Fill in the values supplied by your operator and click Confirm.
- Tick the Default checkbox on the profile you want to use, then click Apply.

5. Restrict the hotspot to your own devices

- Go to Connected Devices and note the MAC address of every device you want to keep.
- Go to Network > MAC Filter and switch the feature toggle on.
- Click Change Model, select Allow Access and click Save.
- Click Add Mac Address and add each device in turn, with a description.

> **⚠ IMPORTANT**
> Add the computer you are working from before you finish, otherwise you will lock yourself out of the Wi-Fi network and will need a factory reset to recover.

6. Get more runtime out of the battery

- Go to System > Battery and switch Power Saving Mode on.
- Set Wi-Fi Auto Disabled Time to the number of idle minutes after which the Wi-Fi radio should switch off.
- Go to Network > Wi-Fi Parameter Settings, click Edit and set Transmitting Power to Medium or Low.

> **TIP**
> Press the ON/OFF button briefly to wake the Wi-Fi radio once power saving has switched it off.

7. Back up and restore the configuration

- To save: go to System > Backup/Restore and click Download. A JSON file is saved to your computer.
- To restore: on the same page, click Select File, choose the backup file and click Update Settings.

> **TIP**
> Take a backup once the device is configured the way you want it. It costs nothing and saves a full reconfiguration if you ever need a factory reset.

8. Update the firmware

- Go to System > FOTA and click Check for updates.
- If a newer version is offered, read the release notes and click Update.
- Set Auto Update to Enable to let the device handle updates on its own.

> **⚠ IMPORTANT**
> Do not unplug the power or reboot the device during an update. The LED panel blinks throughout the upgrade and only the power indicator blinks during the restart — this is normal.

V. Technical Specifications

Mobile Network

Specification	Value
Mobile technology	5G sub-6 NSA & SA / 4G / 3G
5G SA bands	n1 / 3 / 5 / 7 / 8 / 20 / 28 / 38 / 40 / 41 / 77 / 78
5G NSA bands	n1 / 3 / 5 / 7 / 8 / 20 / 28 / 38 / 40 / 41 / 77 / 78
FDD-LTE bands	B1 / 3 / 5 / 7 / 8 / 20 / 28
TDD-LTE bands	B38 / 40 / 41 / 42 / 43
WCDMA bands	B1 / 5 / 8
5G maximum download speed	3.2 Gbps
5G maximum upload speed	1.25 Gbps
LTE maximum download speed	390 Mbps
LTE maximum upload speed	210 Mbps

SIM Card

Specification	Value
SIM card format	Nano SIM (SIM card not included)
Operator compatibility	Compatible with all major operators
Worldwide roaming	Activated by default
PIN code management	Yes
APN profile update	Via the product Web UI

Screen

Specification	Value
Type	LED
Indicators	5G/4G signal, battery, Wi-Fi, SMS

Wi-Fi Connectivity

Specification	Value
Wi-Fi standard	Wi-Fi 6 (IEEE 802.11ax)
Wi-Fi speed	0.9 Gbps — AX900 (900 Mbps)

Specification	Value
Wi-Fi technology	Dual-band, 2.4 GHz or 5 GHz
Speed per band	287 Mbps (2.4 GHz) or 601 Mbps (5 GHz)
Wi-Fi coverage	Regular
Wi-Fi security	WPA2, WPA3, WPA2/WPA3
Wi-Fi network name	1 main Wi-Fi name (selectable band)
Maximum connected users	16

Wired Connectivity

Specification	Value
Connection to wired devices	Via USB-C

Battery and Charging

Specification	Value
Battery capacity	4,800 mAh rechargeable
Battery type	Lithium-Ion
Removable battery	Yes
USB charging port	Type-C 3.0
USB cable included	Embedded (complementary fastener)

Convenience

Specification	Value
Installation with product UI	Yes
Automatic firmware update (OTA)	Yes
Power ON/OFF button	Yes
Warranty	4 years (battery: 2 years)
Package content	1× 5G AIRSPOT, 1× USB Type-C charging cable (embedded), 1× Quick Installation Guide, 1× safety instructions and warranty card

General Data

Specification	Value
Power voltage	USB 3.0 PD 5 V / 3 A or 9 V / 2.22 A

Specification	Value
Operating temperature	0 °C to +45 °C
Storage temperature	−20 °C to +60 °C
Operating humidity	5 % to 95 %, non-condensing
Dimensions (W × D × H)	75 × 18 × 141 mm
Weight (with battery)	400 g
Product reference	5GMIFIAX900
EAN	9120137873382
Certifications	CE, RoHS
Available languages	BG, CZ, DE, DK, EN, ES, FR, HR, HU, IT, NO, PL, PT, SE, UA

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