5G+ AIRSPOT

MOBILE Wi-Fi 1221

5G+ (3.2 Gbps) | Wi-Fi 6 (0.9 Gbps) | Colour display



Picture of the product

USER MANUAL

Model: 5GMIFIAX900D

English

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1 Introduction

1.1 General overview

Welcome to the user manual of the STRONG **5G+ AIRSPOT 1221 Mobile Wi-Fi** (model **5GMIFIAX900D**). This guide takes you from unboxing the device to mastering every function of its colour display and of its Web user interface.

The 5G+ AIRSPOT 1221 is a pocket-sized mobile hotspot. Insert a nano SIM card from a major operator and it shares an ultra-fast 5G connection with your Wi-Fi devices, wherever you are. Its colour display shows the connection status, the Wi-Fi network and your messages at a glance. Its 4,800 mAh battery and its USB-C cable, built into the wrist strap, make it a self-contained travel companion that can also charge your phone.

Key features:

- **5G+**, up to **3.2 Gbps**, compatible with 5G, 4G+, 4G and 3G networks.
- Unlocked **nano SIM** slot and international roaming with major mobile operators.
- **Wi-Fi 6**, up to **0.9 Gbps**, on the 2.4 GHz or 5 GHz band.
- **Colour display 6.10 cm (2.4")** with the network status, the Wi-Fi name and password, a Wi-Fi QR code and on-screen SMS notifications.
- **4,800 mAh** battery, for about **8 hours** of use.
- **USB Type-C** port: charging, wired network sharing with a computer, and **reverse charging** to use the device as a power bank.
- Easy-to-use **Web UI** at http://setup.strong, with firmware updates over the air (FOTA).

Warning: A nano SIM card is required and is **not supplied** with the product.

Warning: The device 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 technical specifications (section 7) and on the product label. An unsuitable power supply can be dangerous, prevents the product from working normally and voids the warranty.

1.2 Box contents

Check that all the following items are in the box:

Item	Description
5G+ AIRSPOT 1221 × 1	The mobile hotspot, with its battery.
USB Type-C cable × 1	Built into the device as a fastener and wrist strap.
Quick Installation Guide × 1	Illustrated setup instructions.
Safety instructions and warranty card × 1	Safety notices and warranty documentation.

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

1.3 Physical overview



Fig. 1 — Introduction > Physical overview



Fig. 2 — Introduction > Physical overview



Fig. 3 — Introduction > Physical overview

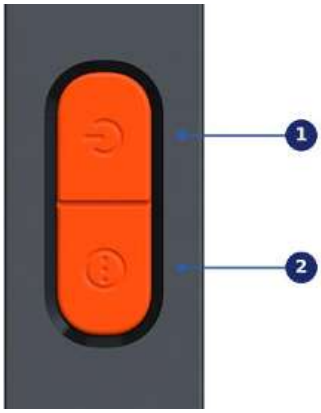


Fig. 4 — Introduction > Physical overview

No.	Element	Function
1	Power button (right edge)	Press and hold for **3 seconds** to switch the device on or off. On the main page, a short press switches the screen off. When the screen is off, a short press wakes it up. In the menus, a short press opens the selected item or confirms a setting (**OK**).
2	Select button (right edge)	On the main page, a short press opens the menu list. In the menus, a short press moves the selection down (**NEXT**).
—	Colour display (front)	Shows the status of the device and the menus (section 3).

No.	Element	Function
—	USB Type-C cable and port	Charges the battery, shares the connection with a computer over USB, and charges another device (reverse charging). The cable is built into the wrist strap.
—	Nano SIM slot (under the battery)	Holds one nano SIM card. Remove the back cover and the battery to reach it (section 2.1).
—	RESET pinhole (under the back cover)	At the bottom right, under the back cover. Press and hold for more than **5 seconds** to restore the factory settings (section 4.5).
—	Product label (under the back cover)	Shows the default Wi-Fi network name and password, the Web UI address and the IMEI.

1.4 Web UI overview

All the settings of the device are managed from its Web user interface, which you open from any browser on a device connected to the hotspot. There is no smartphone application to install.

Open a browser and go to **http://setup.strong** or **http://192.168.0.1**. The menu on the left is organised into eight sections:

Menu	Content
Dashboard	Connection status at a glance: mobile signal, 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 connected clients.
Device Management	Login password, reboot and factory reset.
System	NTP System Time, FOTA, Local Upgrade, Backup/Restore, Display Settings, Battery, Ping Test and USB.
SMS	Received, sent and draft messages.
About	Identification of the device and of the SIM card.

The header bar shows the battery level, the language selector and the **Logout** button. An envelope icon appears when an unread SMS is waiting.

2 Getting started

Follow these steps in order the first time you use the device.

2.1 Inserting the nano SIM card

The SIM slot is under the battery, behind the back cover.

1. Make sure the device is switched off.
2. Hold the device face down and remove the back cover.
3. Lift the battery out of its compartment.
4. Insert the nano SIM card into the slot, gold contacts facing down and the cut corner matching the outline in the housing.
5. Put the battery back, then refit the back cover, pressing around the edges until it is flush with the body.

Warning: Always switch the device off before inserting or removing the SIM card. Use a genuine nano SIM card: an adapter or a trimmed card can jam in the slot and damage the reader.

Tip: While the back cover is open, take a photo of the product label: it shows the default Wi-Fi name and password.

2.2 Charging the battery

Charge the battery fully before the first use.



Fig. 5 — Getting started > Charging the battery

1. Unclip the USB-C connector from its slot in the edge of the device.
2. Plug it into a USB power source rated USB PD 5 V / 3 A or 9 V / 2.22 A.
3. The battery icon on the display shows the charge level.

Note: Use and charge the battery at ambient temperatures between 0 °C and +45 °C. Store the device between −20 °C and +60 °C.

2.3 Powering on

1. Press and hold the **Power** button for **3 seconds**.
2. The display lights up and the main page appears. Wait for the signal bars to appear: the device needs a few seconds to register on the mobile network.

To switch the device off, press and hold the **Power** button for **3 seconds**.

2.4 Connecting your devices to the Wi-Fi network

The default Wi-Fi network name and password are printed on the product label under the back cover. You can also read them, or scan a QR code, on the display (section 3.3).

1. On your computer, tablet or smartphone, open the list of available Wi-Fi networks.

2. Select the network whose name matches the Wi-Fi network name of the label or of the display. By default, the device broadcasts its **5 GHz** network.
3. Enter the Wi-Fi password.
4. Once connected, open a browser and check that you have Internet access.

> **Tip:** With a smartphone, the quickest way is to scan the Wi-Fi QR code shown on the display: go to **WIFI Account** and press **OK** on the network in use (section 3.3).

2.5 First login to the Web UI

The Web UI has no default password: you create it the first time you connect. This prevents anyone else on the network from taking control of the device.

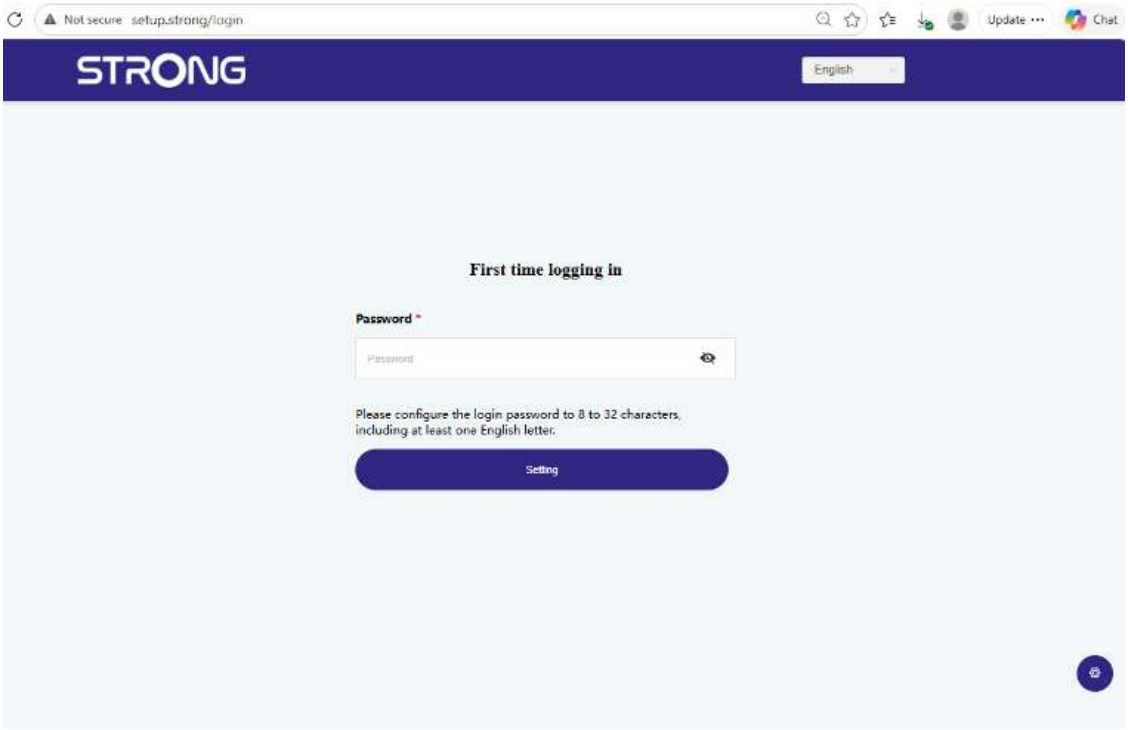


Fig. 6 — Getting started > First login to the Web UI

1. Open **http://setup.strong** or **http://192.168.0.1** in a browser.
2. Enter a password of **8 to 32 characters**, including at least one letter.
3. Click **Setting**.
4. On every following visit, enter this password and click **Login**.

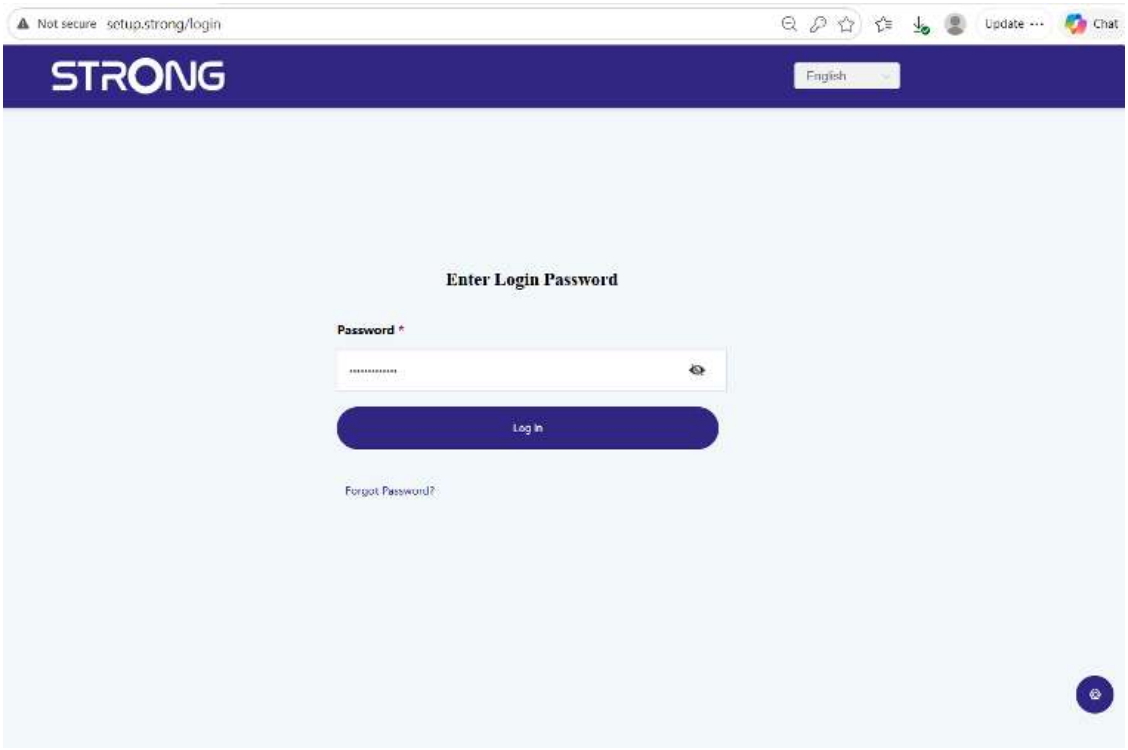


Fig. 7 — Getting started > First login to the Web UI

Language: select the language of the interface in the list at the top right of the page.

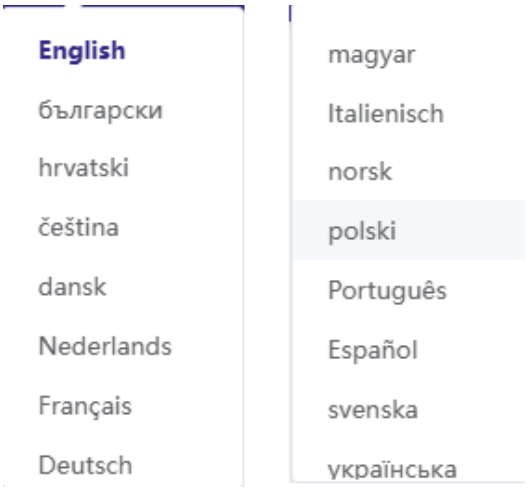


Fig. 8 — Getting started > First login to the Web UI

Accessibility Mode: click the round icon at the bottom right of the page, or press **Ctrl+Shift+E**.

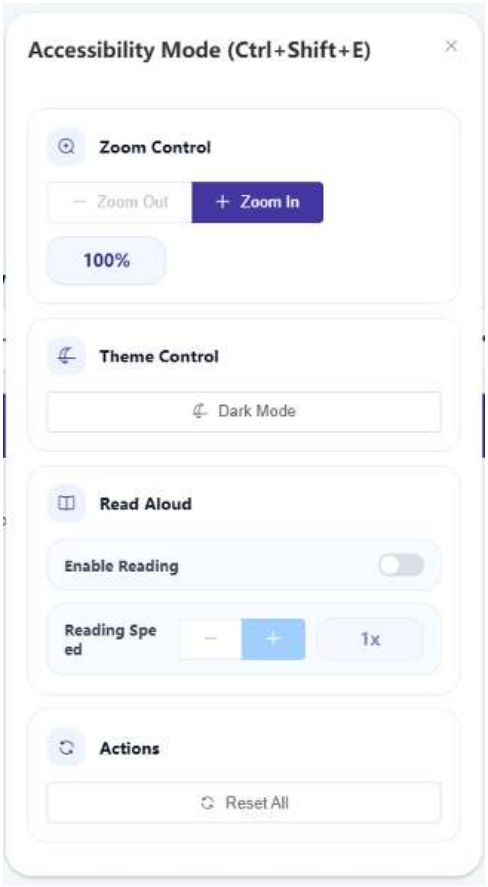


Fig. 9 — Getting started > First login to the Web UI

Option	Function
Zoom Control	Reduces or enlarges the page.
Theme Control	**Dark Mode** displays the interface with light text on a dark background.
Read Aloud	**Enable Reading** reads the page content aloud. **Reading Speed** adjusts the speed.
Actions	**Reset All** restores the default accessibility settings.

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.

2.6 Unlocking a PIN-protected SIM card

If your SIM card is protected by a PIN code, the device cannot connect to the mobile network until the code is entered. You can enter it on the display or in the Web UI.

On the display:

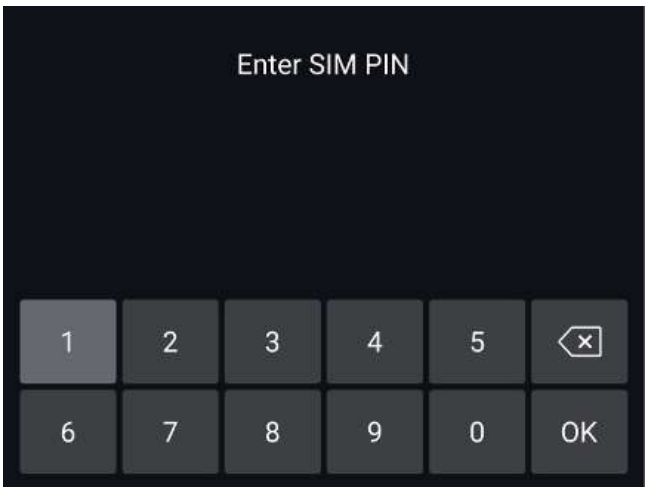


Fig. 10 — Getting started > Unlocking a PIN-protected SIM card

1. Press **Select** to move to the digit you want, then press **Power** to enter it. Repeat for each digit.
2. Move to **OK** with **Select** and press **Power** to confirm.

In the Web UI: connect to the Wi-Fi network and open the Web UI. Enter the PIN code supplied by your operator when requested and click **Unlock**.

Warning: You have three attempts. After three wrong entries, the SIM card is blocked and can only be unlocked with the PUK code supplied by your operator.

To stop the device asking for the PIN code at every start-up, disable the SIM card lock in **Network > PIN Management** (section 4.2.5).

3 Using the display

3.1 Main page

The main page shows the status of the device:

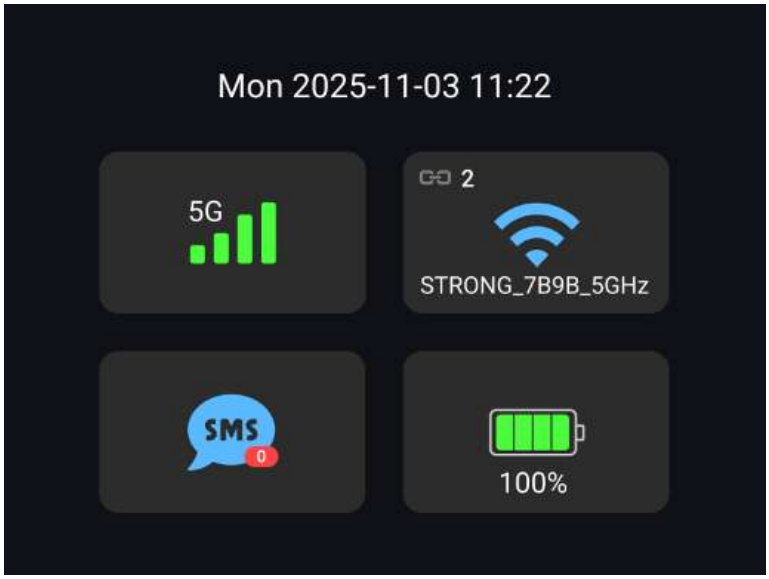


Fig. 11 — Using the display > Main page

Tile	Meaning
Date and time	Current date and time.
Mobile network (top left)	Network in use (for example **5G**) and signal strength. The more bars, the stronger the reception.
Wi-Fi (top right)	Name of the Wi-Fi network in use and number of connected devices.
SMS (bottom left)	Number of unread messages.
Battery (bottom right)	Battery level, in %. It also shows when the device is charging.

Screen saving: to save the battery, the screen switches off after a short idle time. Press **Power** briefly to wake it up. On the main page, a short press on **Power** switches the screen off. Set the idle time in the Web UI, in **System > Display Settings** (section 4.6.5).

3.2 Menu

On the main page, press **Select** to open the menu. Press **Select** to move down (**NEXT**) and **Power** to open an item (**OK**). Select **Back** to return to the previous screen.

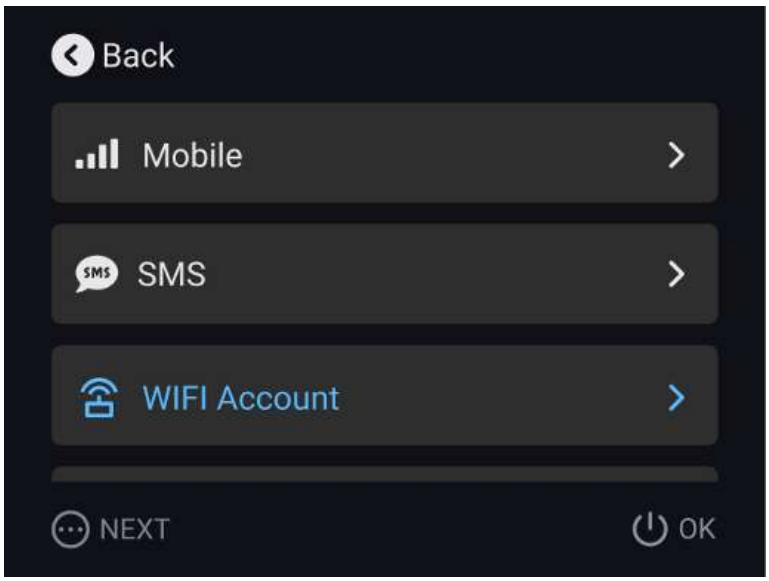


Fig. 12 — Using the display > Menu

Item	Content
Mobile	Internet status, network mode, operator, APN and traffic statistics.
SMS	All the received messages, read and unread.
WIFI Account	Names and passwords of the 2.4 GHz and 5 GHz Wi-Fi networks, selection of the network in use and Wi-Fi QR codes (section 3.3).
Reverse Charging	Enables or disables reverse charging, to charge another device from the battery (section 3.4).

3.3 Wi-Fi account and QR code

The device broadcasts one Wi-Fi network at a time, on the 2.4 GHz or the 5 GHz band (5 GHz by default). The **WIFI Account** screen shows the name and password of both networks. The network in use is marked with ✓.

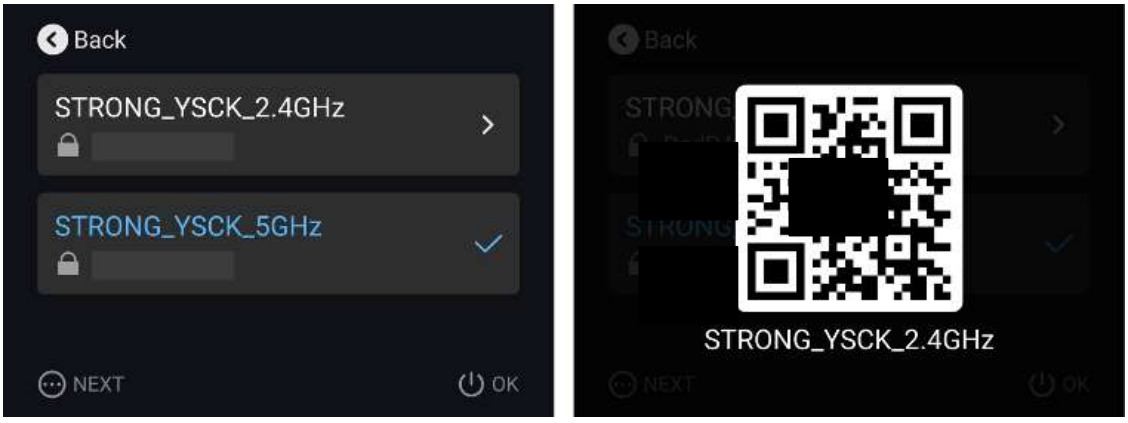


Fig. 13 — Using the display > Wi-Fi account and QR code

To display the Wi-Fi QR code:

1. On the main page, press **Select** to open the menu, move to **WIFI Account** and press **Power**.
2. The network in use is marked with ✓. Press **Power** to display its QR code.
3. Scan the QR code with the camera of your smartphone to connect to the network without entering the password.

To change the Wi-Fi band in use: in **WIFI Account**, press **Select** to move to the other network, then press **Power**. This network becomes the network in use. Connected devices must reconnect to the new network.

> **Note:** You can also change the band in the Web UI, in **Network > Wi-Fi Parameter Settings** (section 4.2.3).

3.4 Reverse charging (power bank)

The device can charge another device, such as a smartphone, from its battery over the USB-C cable.

1. Open the menu, move to **Reverse Charging** and press **Power** to enable it.
2. Connect the USB-C cable of the device to the device to charge.

You can also enable it in the Web UI, in **System > USB** (section 4.6.8).

> **Note:** Reverse charging and USB network sharing cannot work at the same time. Reverse charging reduces the operating time of the hotspot.

4 Web UI

4.1 Dashboard

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

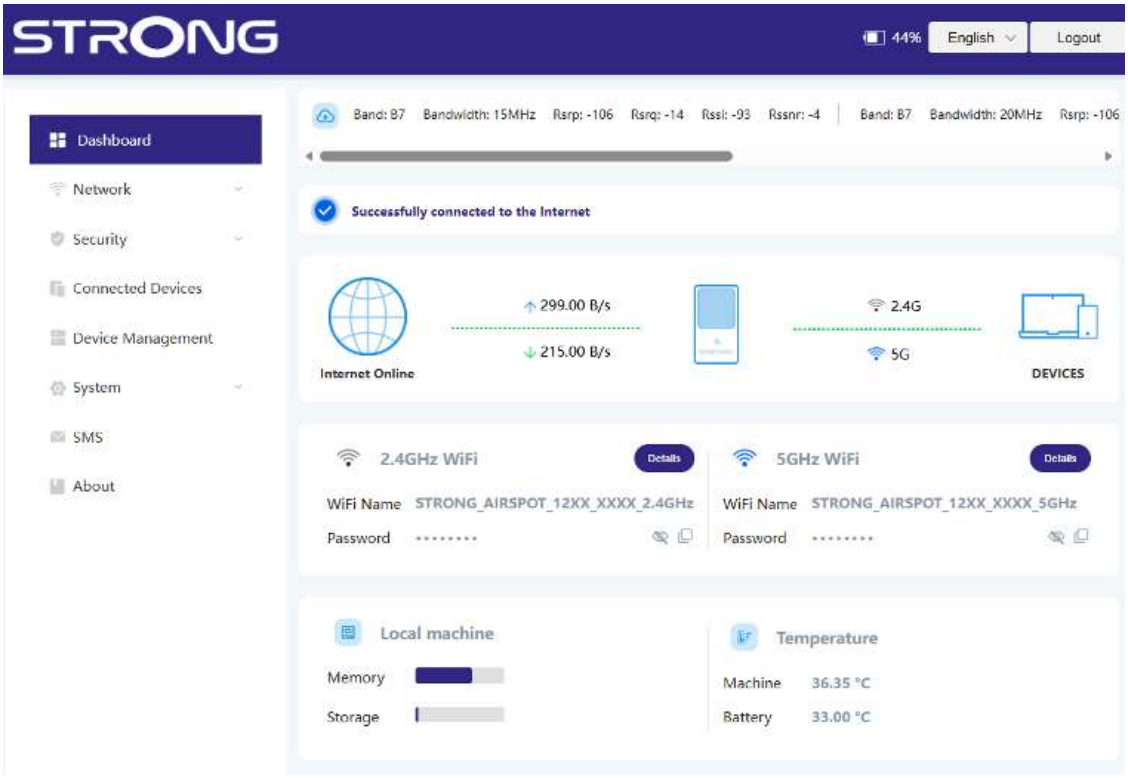


Fig. 14 — Web UI > Dashboard

- The **banner** at the top reports the radio conditions: **Band** (frequency band in use, for example B7 or N78), **Bandwidth**, and the received power, quality and signal-to-noise values (**Rsrp**, **Rsrq**, **Rssi**, **Rssnr**). The higher Rsrp and Rssnr, the better the reception. Click the banner to open **Network > Mobile Settings**.
- **Successfully connected to the Internet** confirms the connection. The diagram shows the upload and download throughput, and the Wi-Fi band in use is shown in blue.
- The **2.4GHz WiFi** and **5GHz WiFi** tiles show the name and password of each network. Click the eye icon to show the password, the copy icon to copy it, and **Details** to open **Network > Wi-Fi Parameter Settings**.
- **Local machine** shows the memory and storage use, and **Temperature** the temperature of the device and of the battery.

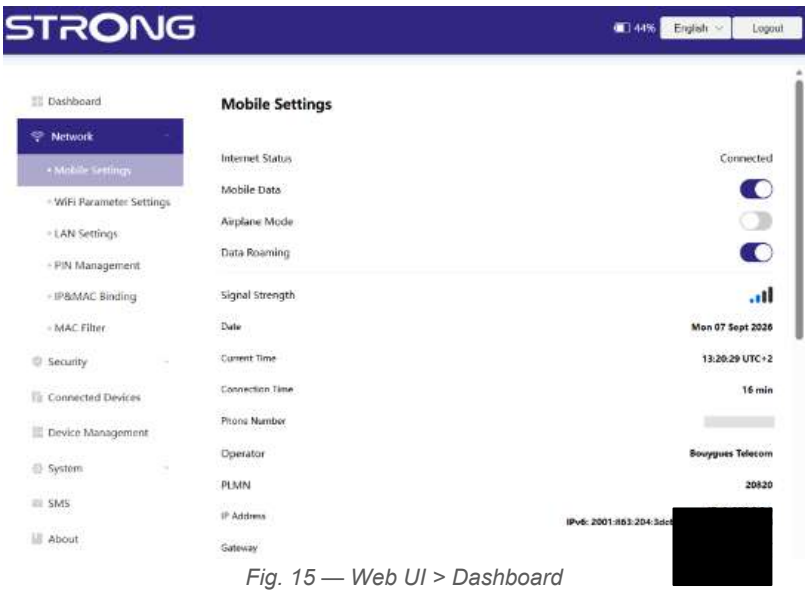


Fig. 15 — Web UI > Dashboard

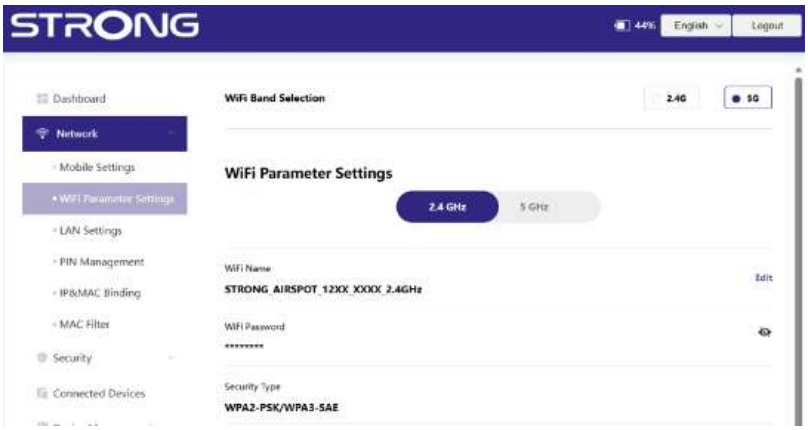


Fig. 16 — Web UI > Dashboard

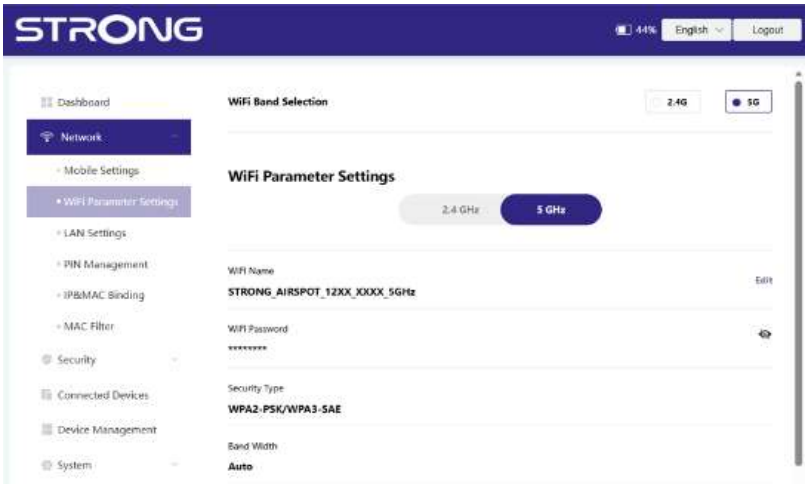


Fig. 17 — Web UI > Dashboard

4.2 Network

4.2.1 Mobile Settings

Path: Network > Mobile Settings

This page controls the mobile data connection and reports the information of the network to which the device is connected.

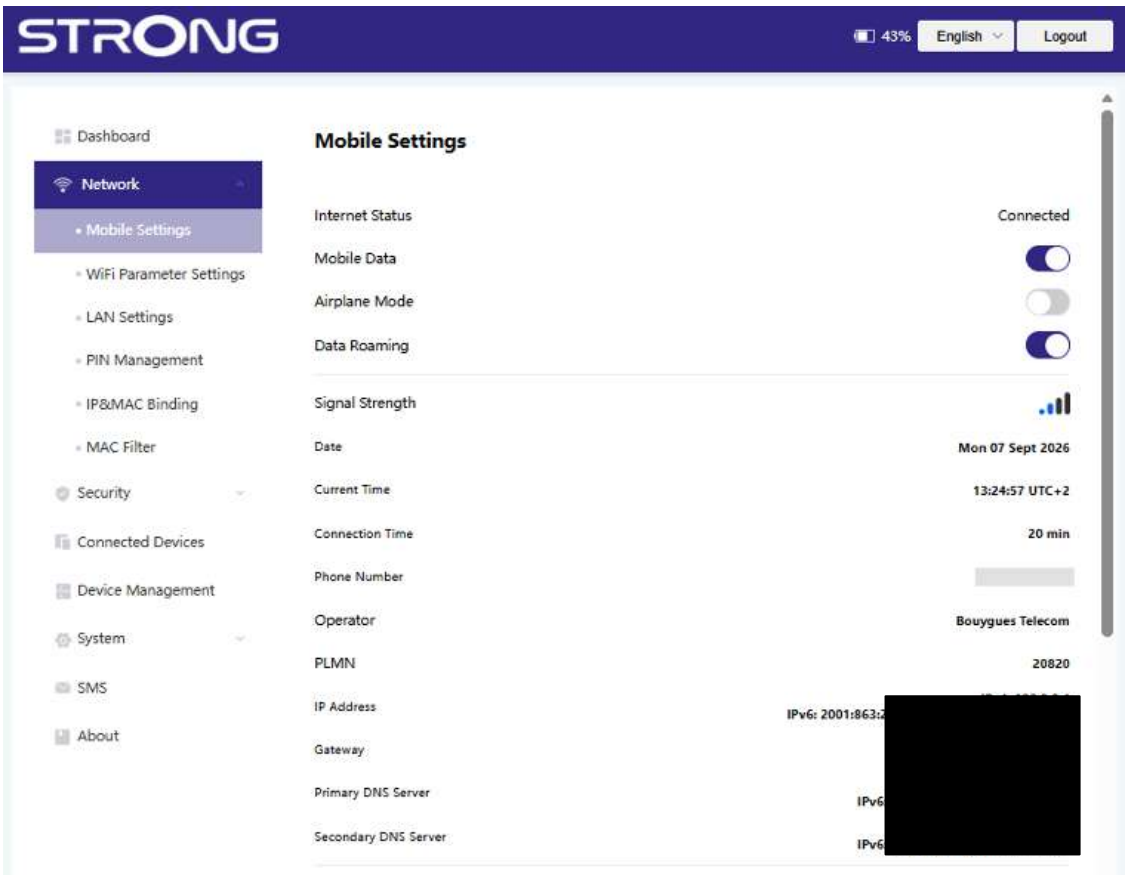


Fig. 18 — Web UI > Network

Setting	Description
Internet Status	Status of the Internet connection.
Mobile Data	Enables or disables the mobile data connection.
Airplane Mode	Switches off all mobile radio transmission.
Data Roaming	Allows the data connection on networks other than your home operator, abroad.
Signal Strength / Connection Time	Current reception, and duration of the current data session.
Phone Number / Operator / PLMN	Identity of the SIM card and of the network.
IP Address / Gateway / DNS	IPv4 and IPv6 addresses assigned by the operator.

Warning: Roaming can generate additional costs, depending on your mobile plan. Check the conditions of your plan before enabling **Data Roaming**.

Scroll down the page to see the detailed cell information, the SIM selection and the network mode.

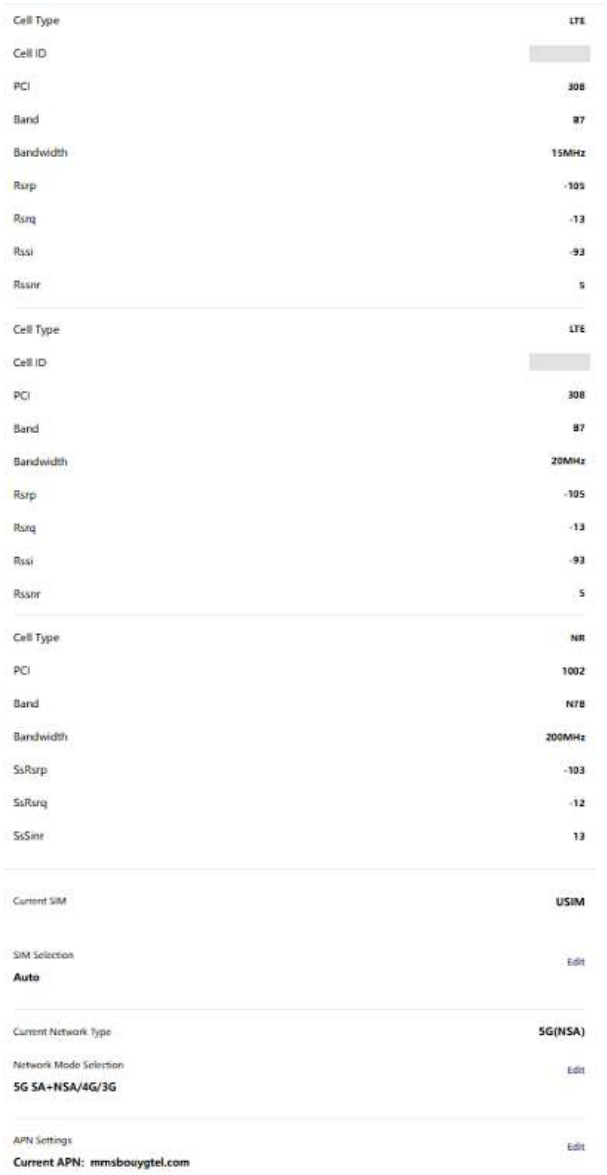


Fig. 19 — Web UI > Network

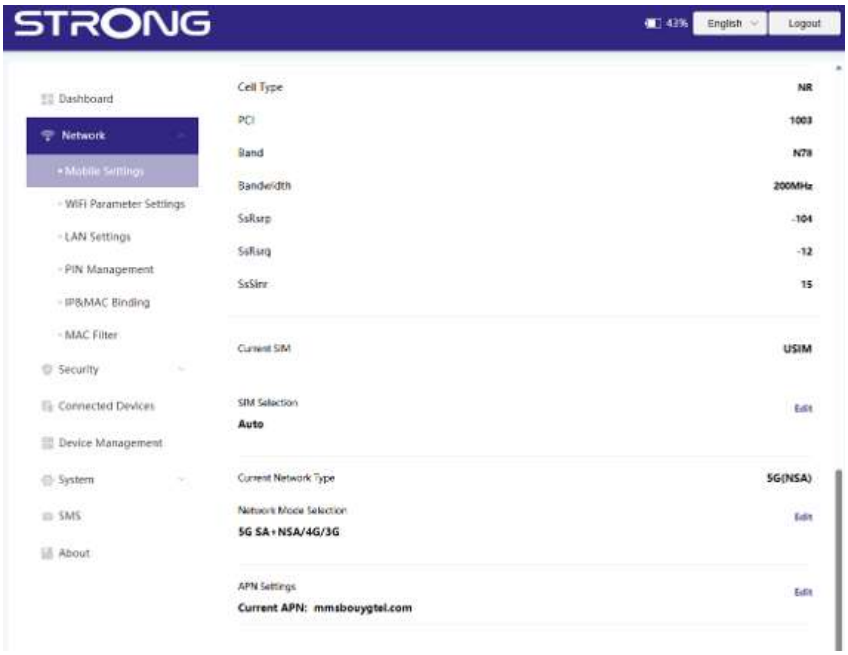


Fig. 20 — Web UI > Network



Fig. 21 — Web UI > Network

Setting	Description
Current SIM / SIM Selection	SIM in use, and SIM selection: **Auto**, **USIM** (nano SIM card) or **ESIM**. Click **Edit** to change it.
Current Network Type	Network in use, for example **5G(NSA)**.
Network Mode Selection	**5G SA+NSA/4G/3G** (default, recommended), **5G SA**, **5G NSA**, **4G/3G** or **3G**. Click **Edit** to change it.
APN Settings	Current APN. Click **Edit** to manage the APN profiles.

Tip: Keep the network mode on **5G SA+NSA/4G/3G**. Forcing one mode prevents the device from falling back to another network when the coverage drops: the connection is then lost.

4.2.2 APN Settings

Path: Network > Mobile Settings > APN Settings (Edit)

The APN (Access Point Name) is the profile the device uses to reach the data network of your operator. It is normally detected automatically when the SIM card is inserted.

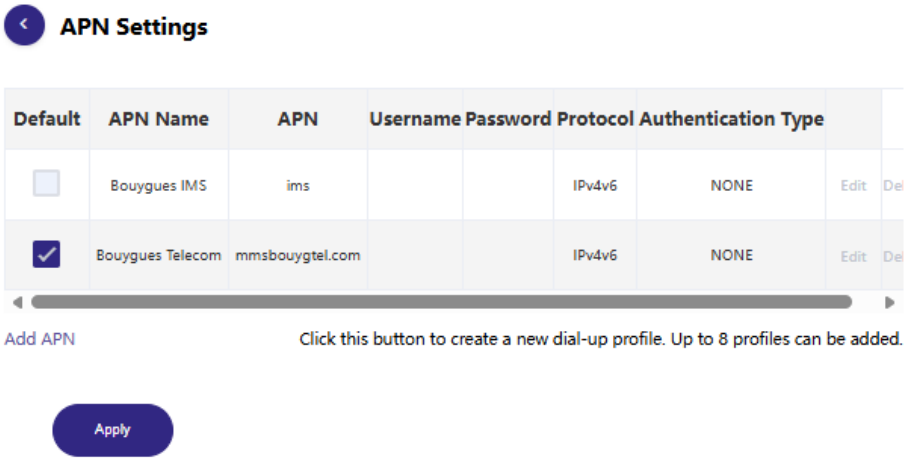


Fig. 22 — Web UI > Network

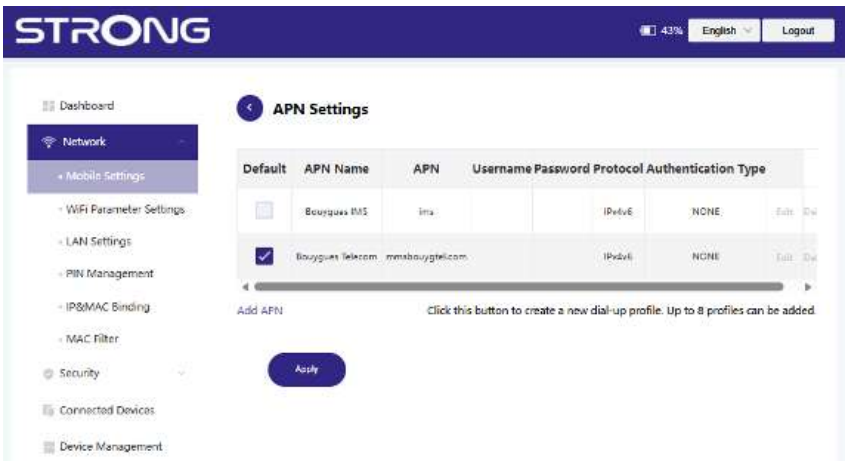


Fig. 23 — Web UI > Network

1. Click **Add APN** below the table.
2. Enter the **APN Name** (a name of your choice), the **APN**, the **Authentication Type** and the **Protocol**, with the values supplied by your operator.
3. Click **Confirm**.
4. Tick the **Default** checkbox of the new profile and click **Apply**: the new APN is used.

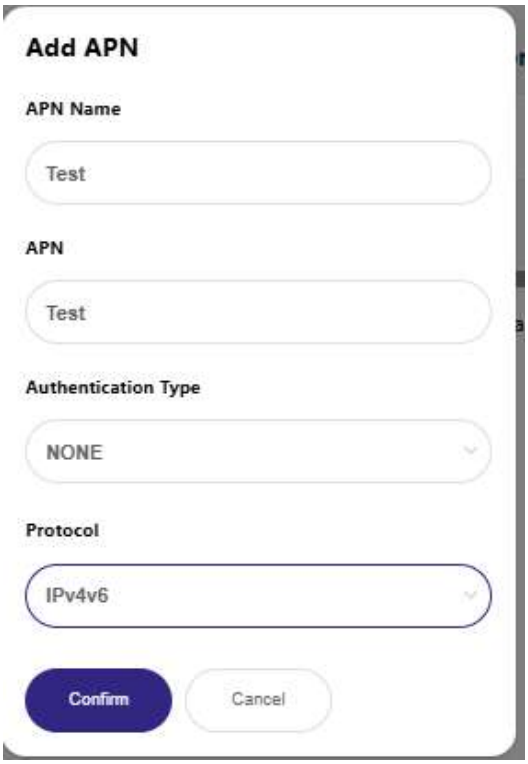


Fig. 24 — Web UI > Network

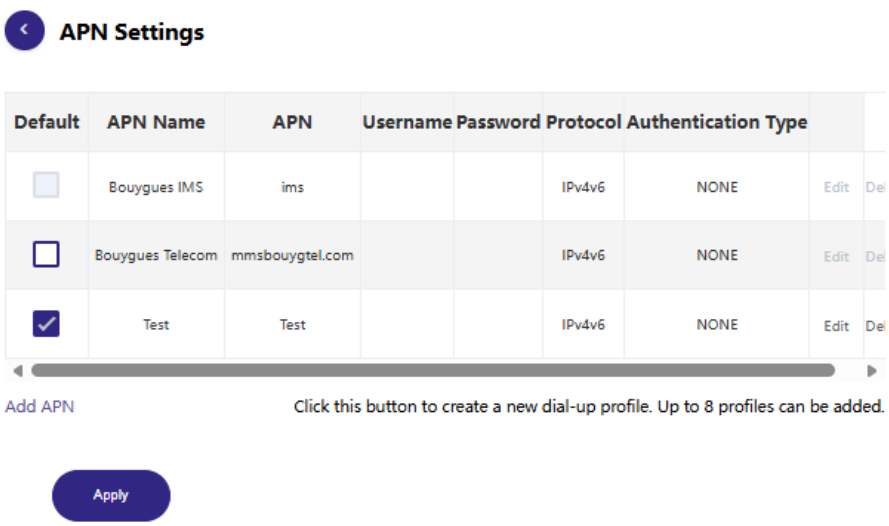


Fig. 25 — Web UI > Network

Click **Edit** on a row to change a profile, or **Delete** to delete it, then click **Apply**. Up to 8 profiles can be added.

If the mobile connection does not work, check the APN name, the username and password, the protocol (IPv4, IPv6 or IPv4v6) and whether the APN is allowed when roaming, on the website of your operator.

4.2.3 Wi-Fi Parameter Settings

Path: Network > Wi-Fi Parameter Settings

This page controls the Wi-Fi network of the device. The device broadcasts **one Wi-Fi network at a time**, on the 2.4 GHz or the 5 GHz band (5 GHz by default). Select the band in use with **Wi-Fi Band Selection** at the top of the page.

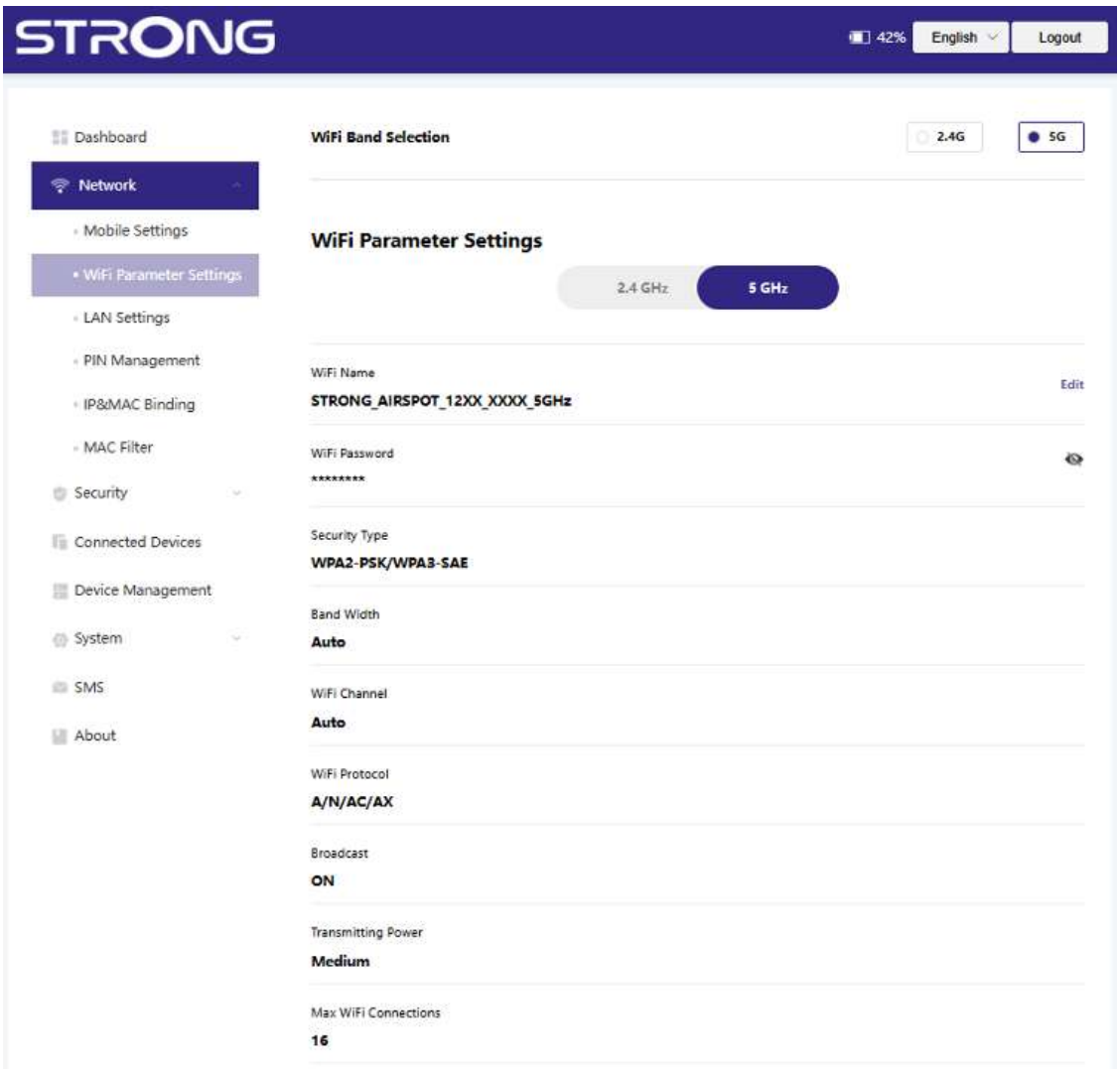


Fig. 26 — Web UI > Network

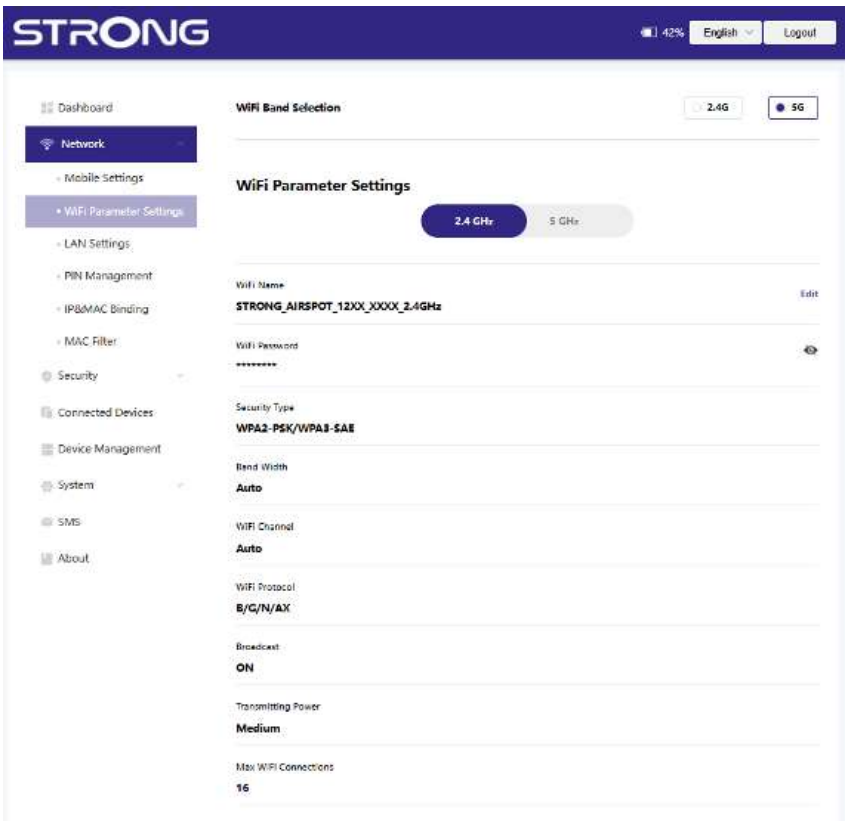


Fig. 27 — Web UI > Network

Tip: Choose **2.4 GHz** for the longest range and the best penetration through walls, or **5 GHz** for the highest speed at a shorter distance. Connected devices must reconnect after a band change.

Click **Edit** to change the settings of a band, then click **Save**.

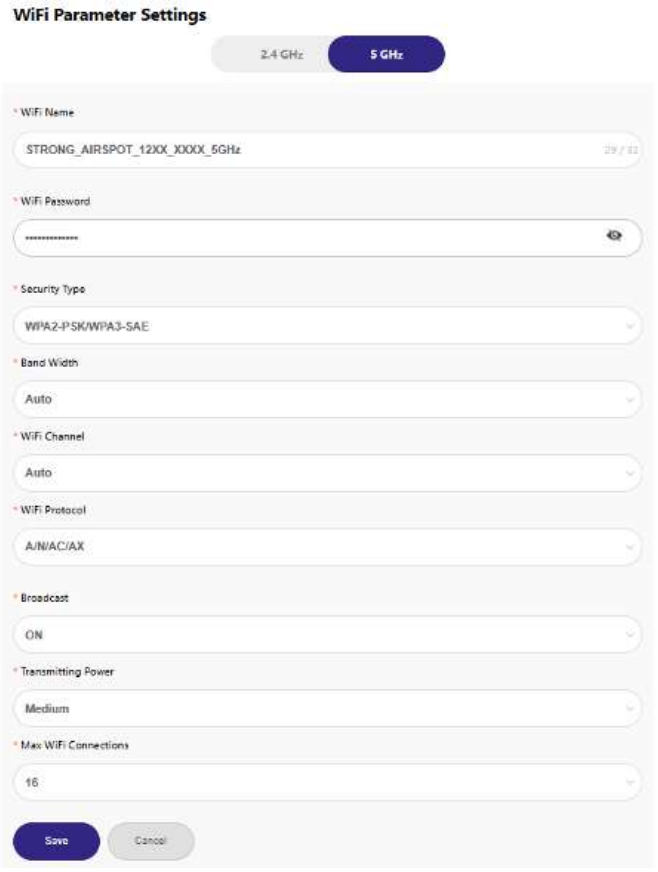


Fig. 28 — Web UI > Network

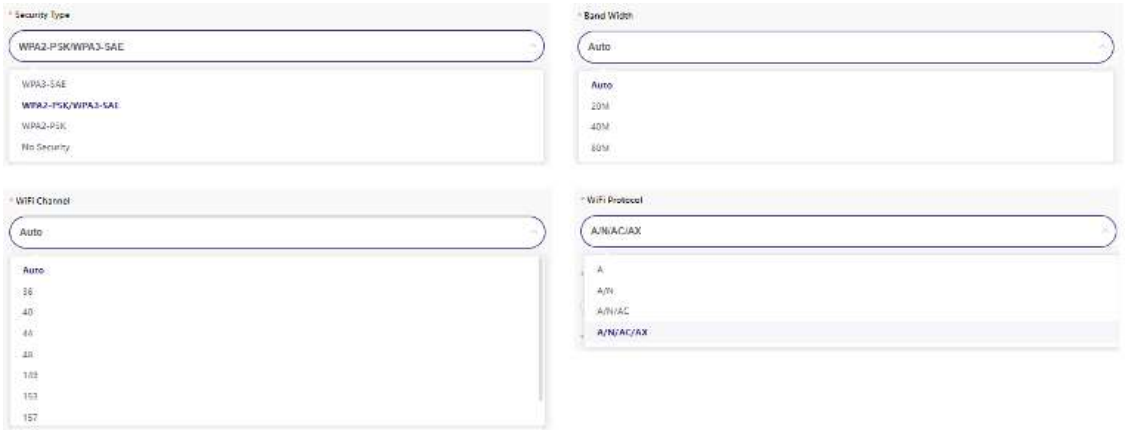


Fig. 29 — Web UI > Network

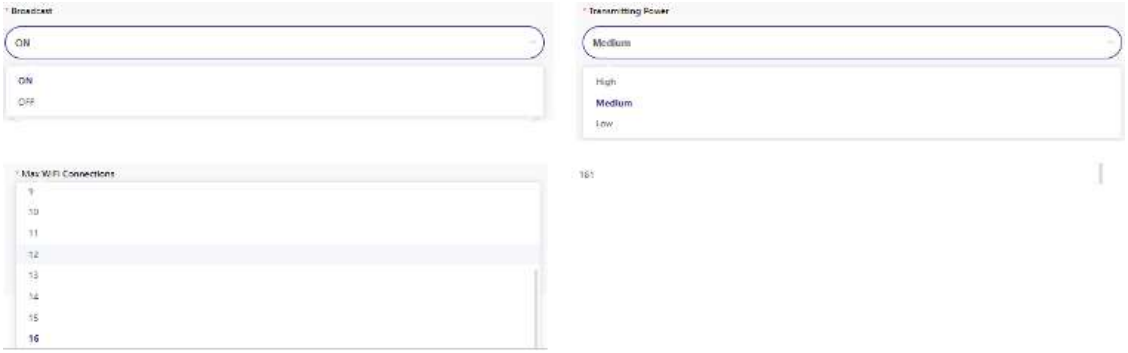


Fig. 30 — Web UI > Network

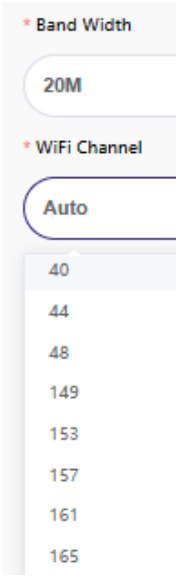


Fig. 31 — Web UI > Network

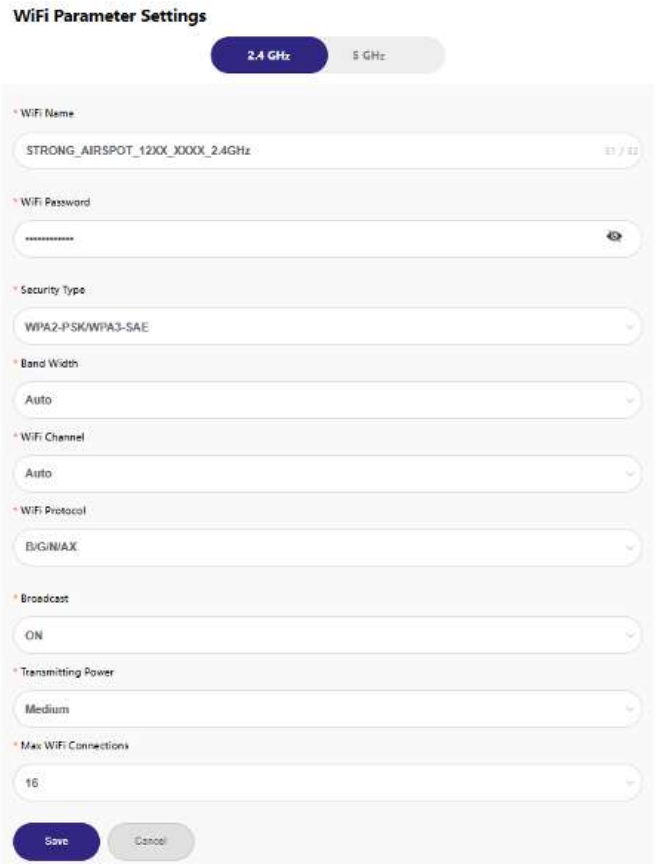


Fig. 32 — Web UI > Network

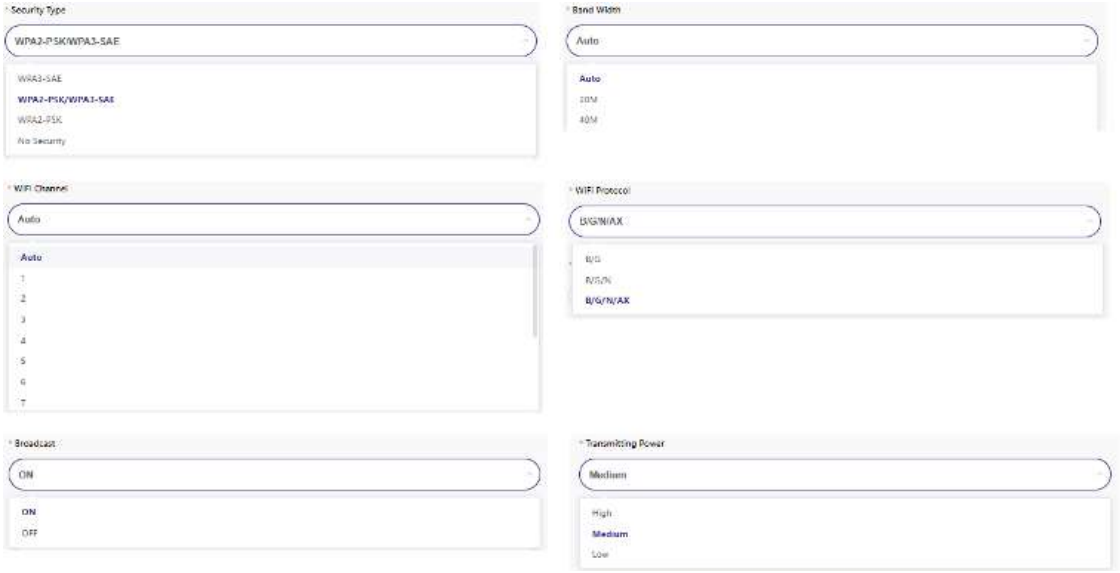


Fig. 33 — Web UI > Network



Fig. 34 — Web UI > Network

Setting	2.4 GHz	5 GHz
WiFi Name / WiFi Password	Name (1 to 32 characters) and password of the network.	Same.
Security Type	WPA3-SAE, **WPA2-PSK/WPA3-SAE** (default), WPA2-PSK, No Security.	Same.
Band Width	**Auto** (default), 20M, 40M.	**Auto** (default), 20M, 40M, 80M.
WiFi Channel	**Auto** (default), 1 to 13.	**Auto** (default), 36, 40, 44, 48, 149, 153, 157, 161. With 20M: also 165.
WiFi Protocol	B/G, B/G/N, **B/G/N/AX**.	A, A/N, A/N/AC, **A/N/AC/AX**.
Broadcast	**ON**: the network name is visible. **OFF**: hidden network; enter its name manually on your device to connect.	Same.
Transmitting Power	High, **Medium** (default), Low. A lower power reduces the range and saves the battery.	Same.
Max WiFi Connections	Maximum number of connected devices, **1 to 16**.	Same.

Warning: Never select **No Security**: anyone nearby could use your mobile data and see your traffic. Keep **WPA2-PSK/WPA3-SAE**.

Note: Saving the Wi-Fi settings restarts the Wi-Fi. Connected devices are disconnected for a moment and must reconnect, with the new name and password if you changed them.

4.2.4 LAN Settings

Path: Network > LAN Settings

These settings define the local network of the device. The default values suit almost every use.

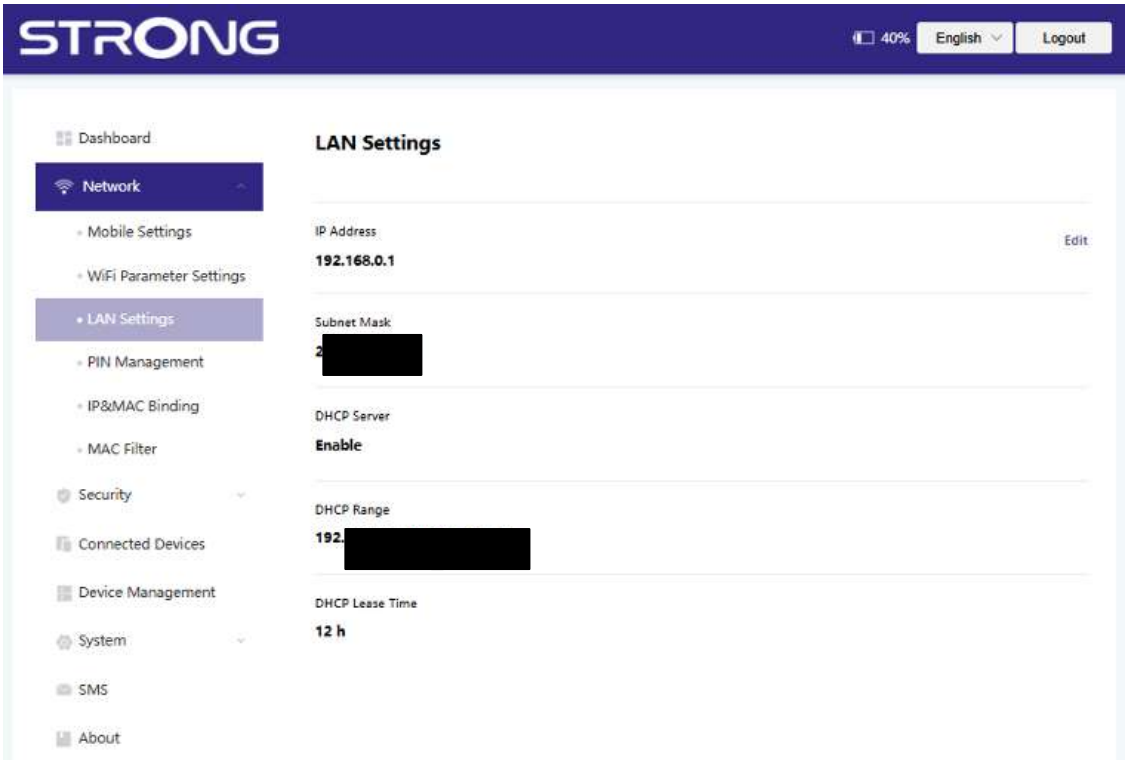


Fig. 35 — Web UI > Network

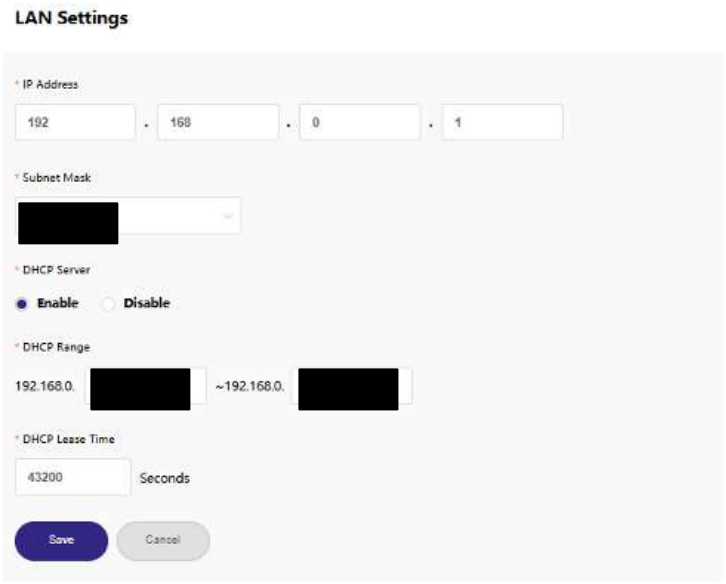


Fig. 36 — Web UI > Network

Setting	Description
IP Address	Address of the device and of the Web UI. Default: **192.168.0.1**.
Subnet Mask	Default: **255.255.255.0**.
DHCP Server	**Enable** (default): the device assigns IP addresses to the connected devices automatically.
DHCP Range	Addresses assigned. Default: 192.168.0.**2** to 192.168.0.**254**.
DHCP Lease Time	Validity of an assigned address, in seconds. Default: **43200** (12 hours).

Note: If you change the IP address, the Web UI moves with it. **http://setup.strong** keeps working in all cases.

4.2.5 PIN Management

Path: Network > PIN Management

This page manages the PIN code of the SIM card, not the Web UI password.

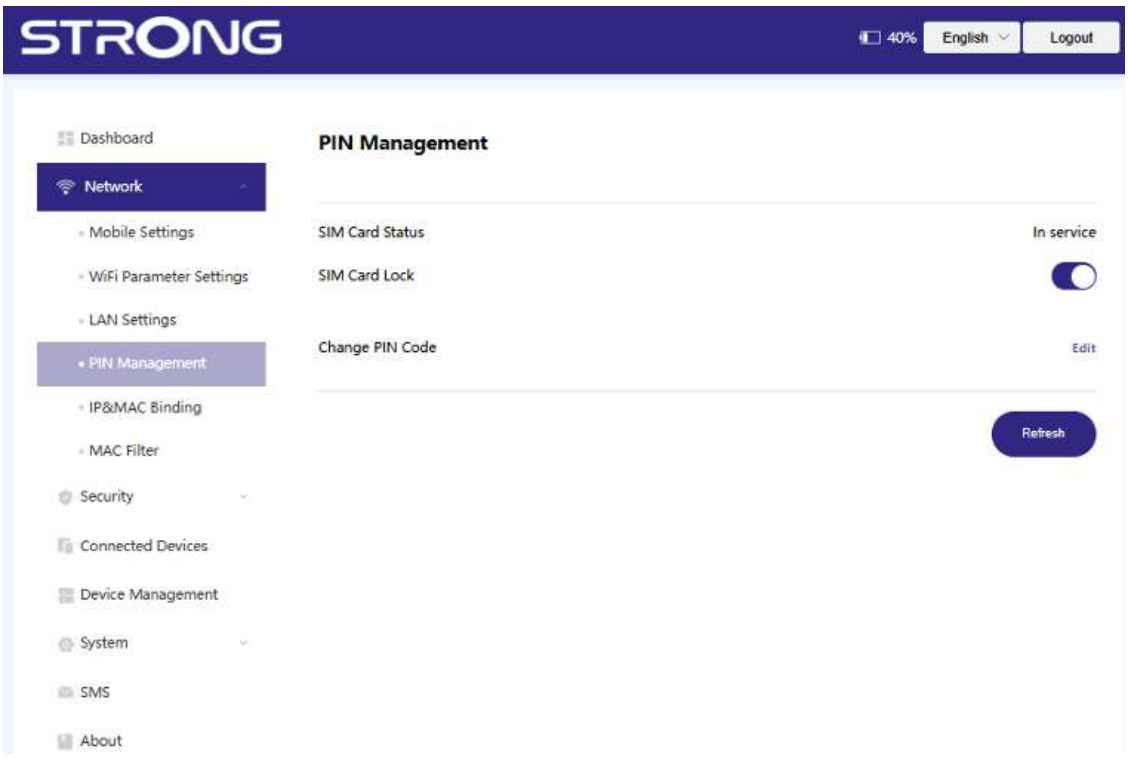


Fig. 37 — Web UI > Network

- **SIM Card Lock:** switch it off to stop the PIN request at start-up, or on to enable it again. Enter the current PIN to confirm.
- **Change PIN Code:** click **Edit**, enter the old PIN, then the new PIN twice, and click **Save**. The PIN code must be **4 to 8 digits** long.

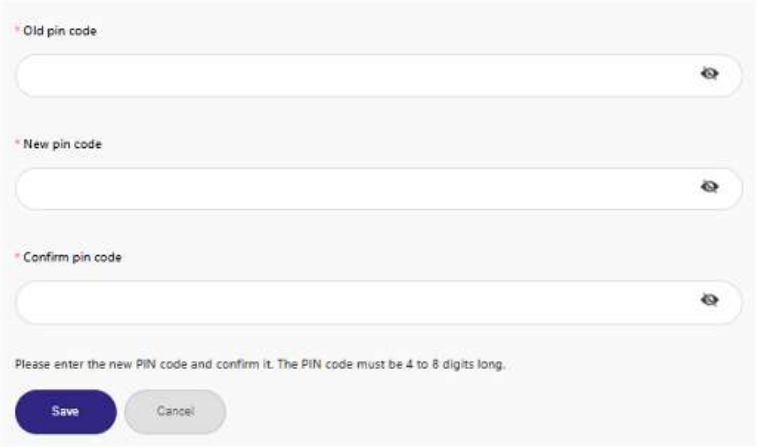


Fig. 38 — Web UI > Network

Warning: Only three attempts are allowed. After three wrong entries, the SIM card is blocked and requires the PUK code of your operator.

4.2.6 IP&MAC Binding

Path: Network > IP&MAC Binding

IP&MAC binding always gives the same IP address to a device, identified by its MAC address: useful for a printer, a NAS or a device you reach by its address. The function is disabled by default.

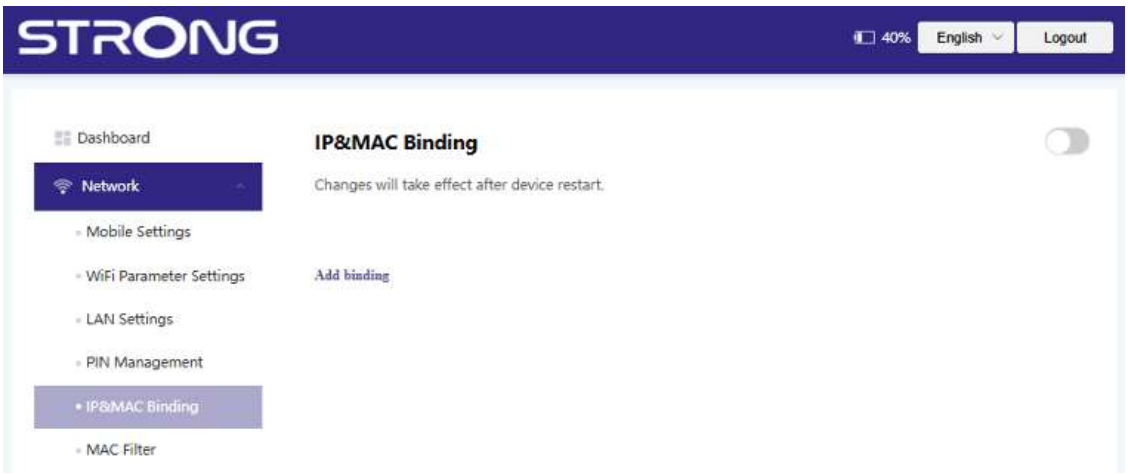


Fig. 39 — Web UI > Network

1. Switch the function on with the switch at the top right.
2. Click **Add binding**.
3. Select a device in **Select a device** (the MAC address is filled in), or enter the **MAC Address** (format AA:BB:CC:DD:EE:FF).
4. Enter the **IP Address** to reserve, within the DHCP range.
5. Click **Save**. The changes take effect after the device restarts.

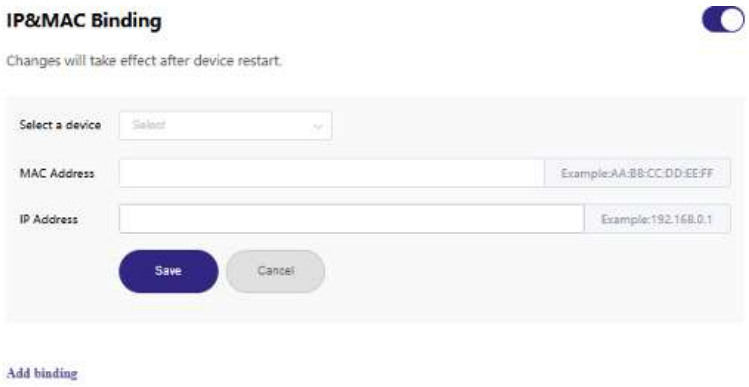


Fig. 40 — Web UI > Network

Note: Applying binding rules disconnects all Wi-Fi devices: reconnect them afterwards.

4.2.7 MAC Filter

Path: Network > MAC Filter

The MAC filter controls which devices can join the Wi-Fi network, according to their MAC address. It is disabled by default.

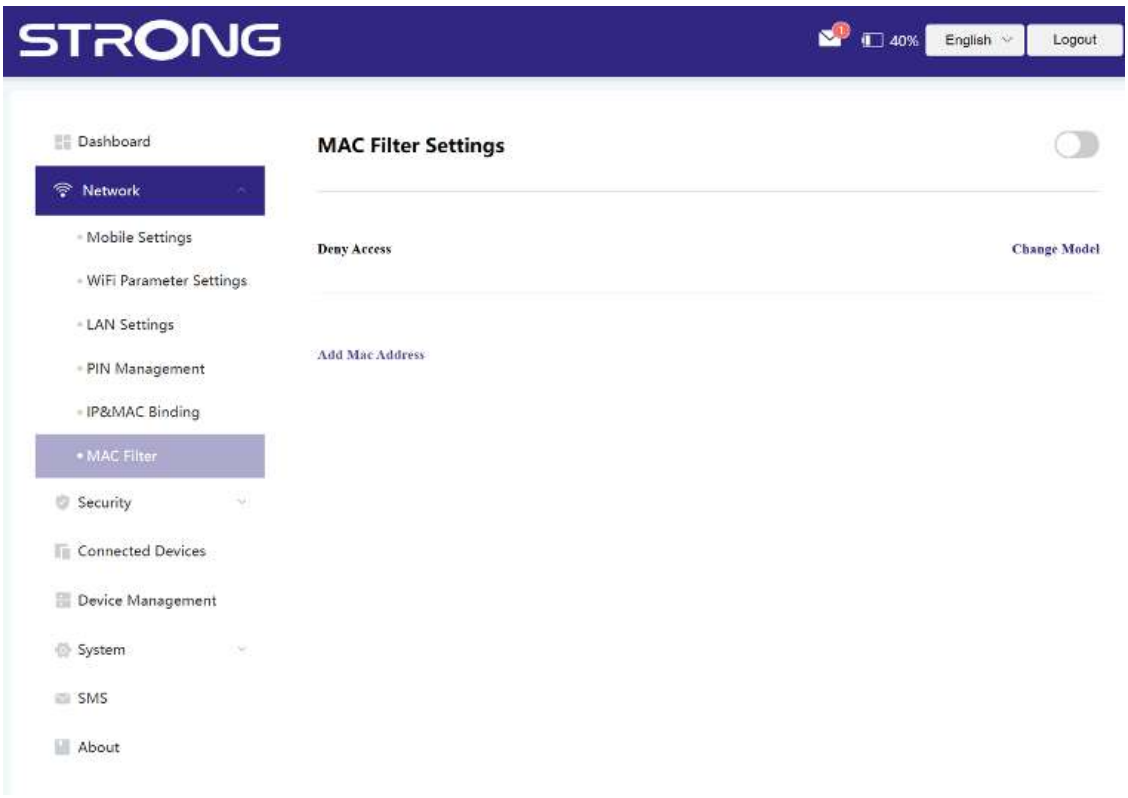


Fig. 41 — Web UI > Network

- **Deny Access:** all devices can connect, except those in the list.
- **Allow Access:** only the devices in the list can connect.

1. Switch the function on.
2. Click **Change Model**, select **Deny Access** or **Allow Access** and click **Save**.
3. Click **Add Mac Address**, enter the **MAC Address** and a **Description**, keep **Active** on and click **Save**.

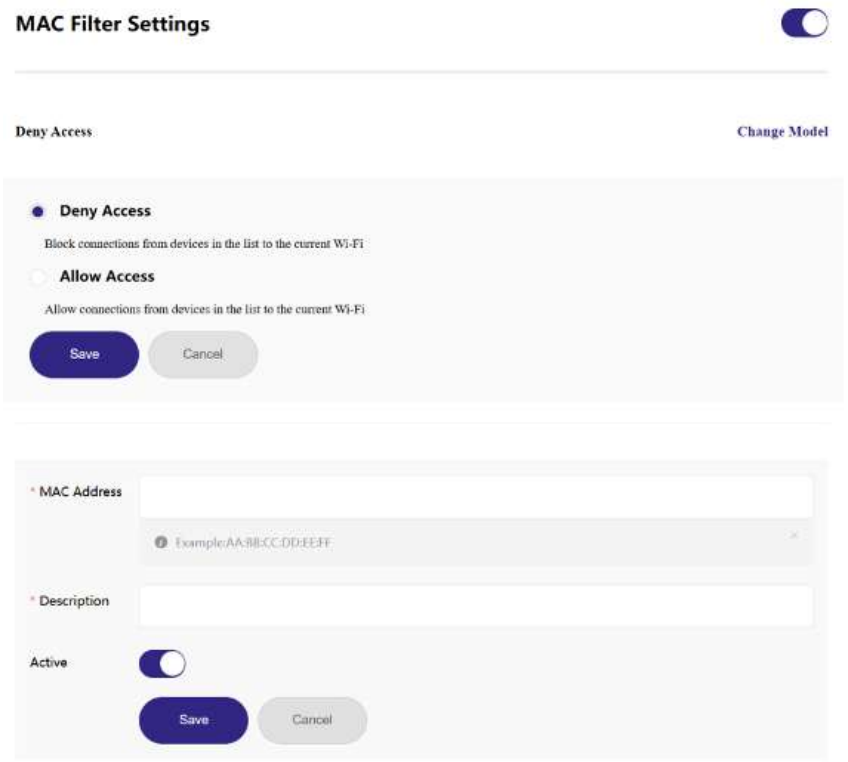


Fig. 42 — Web UI > Network

Warning: With **Allow Access**, add the device you are working from first. Otherwise, you lock yourself out of the Wi-Fi network and need a factory reset.

4.3 Security

The Security menu groups four filtering and protection functions, disabled by default.

4.3.1 IP Filter

Path: Security > IP Filter

Blocks the traffic between connected devices and specific IP addresses or ports. Switch the function on, click **Add IP**, set the rule and click **Save**.

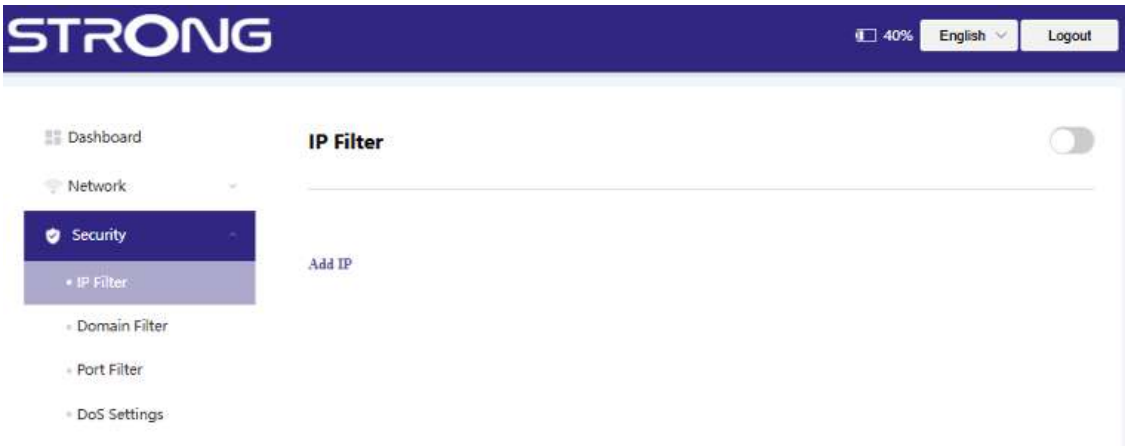


Fig. 43 — Web UI > Security

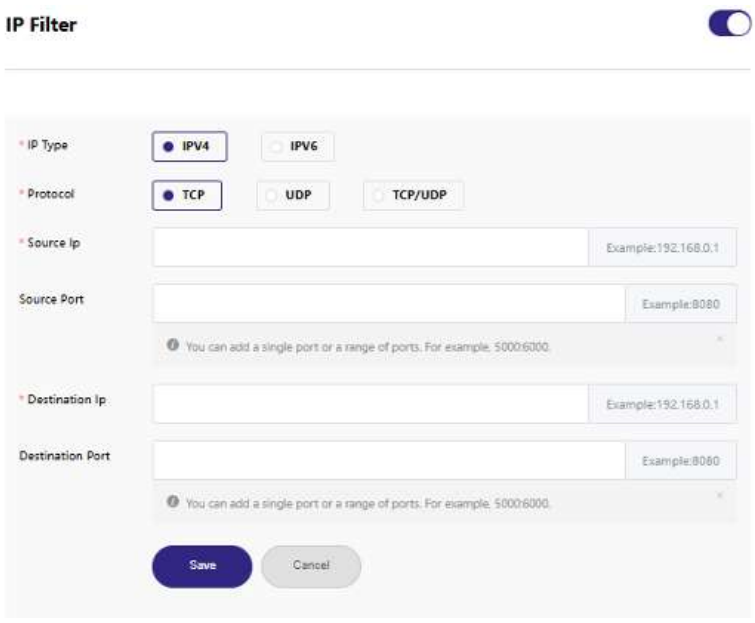


Fig. 44 — Web UI > Security

Setting	Description
IP Type	**IPV4** or **IPV6**.
Protocol	**TCP**, **UDP** or **TCP/UDP**.
Source Ip / Source Port	Address and port of the connected device. A single port or a range of ports (for example 5000-6000).
Destination Ip / Destination Port	Address and port to block.

4.3.2 Domain Filter

Path: Security > Domain Filter

Blocks access to specific websites. Switch the function on, click **Add domain**, enter the domain (for example www.example.com) and click **Save**.

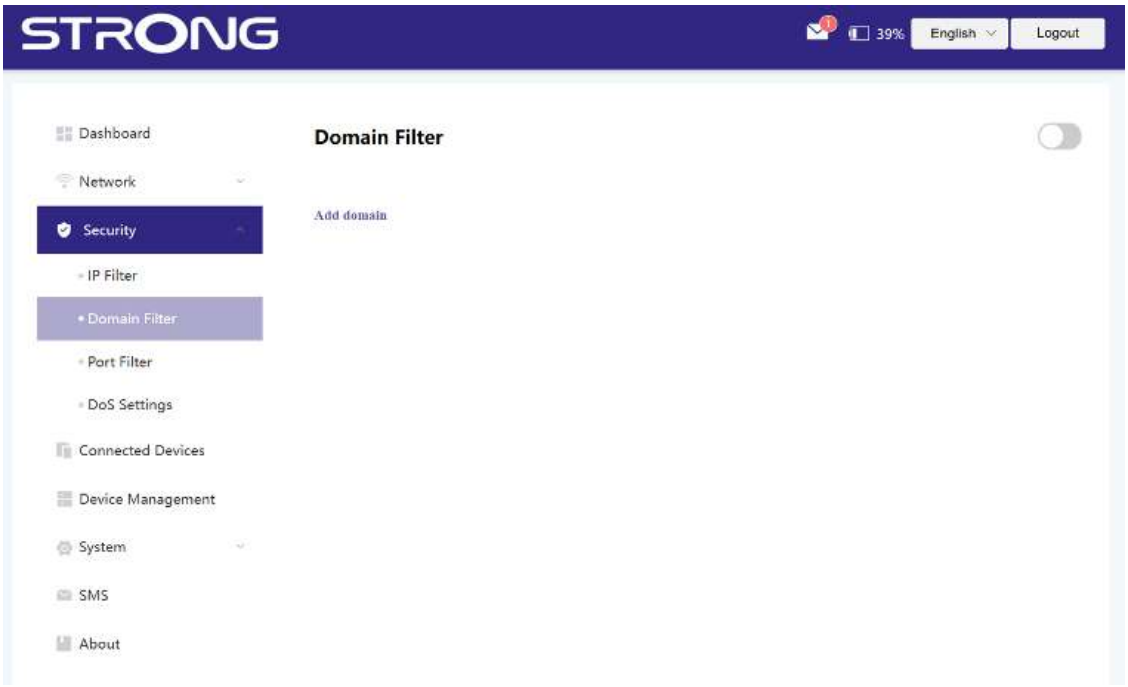


Fig. 45 — Web UI > Security

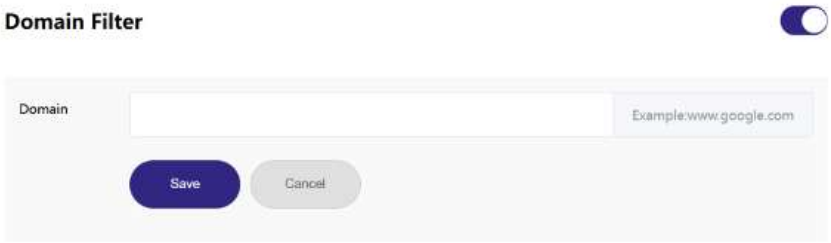


Fig. 46 — Web UI > Security

Note: Blocking www.example.com does not necessarily block example.com: add both forms if necessary.

4.3.3 Port Filter

Path: Security > Port Filter

Blocks the traffic on specific ports. Switch the function on, click **Add Port**, select the **IP Type** (IPV4, IPV6 or IPV4&IPV6) and the **Protocol** (TCP, UDP or TCP/UDP), enter a port or a range of ports (for example 5000-6000) and click **Save**.

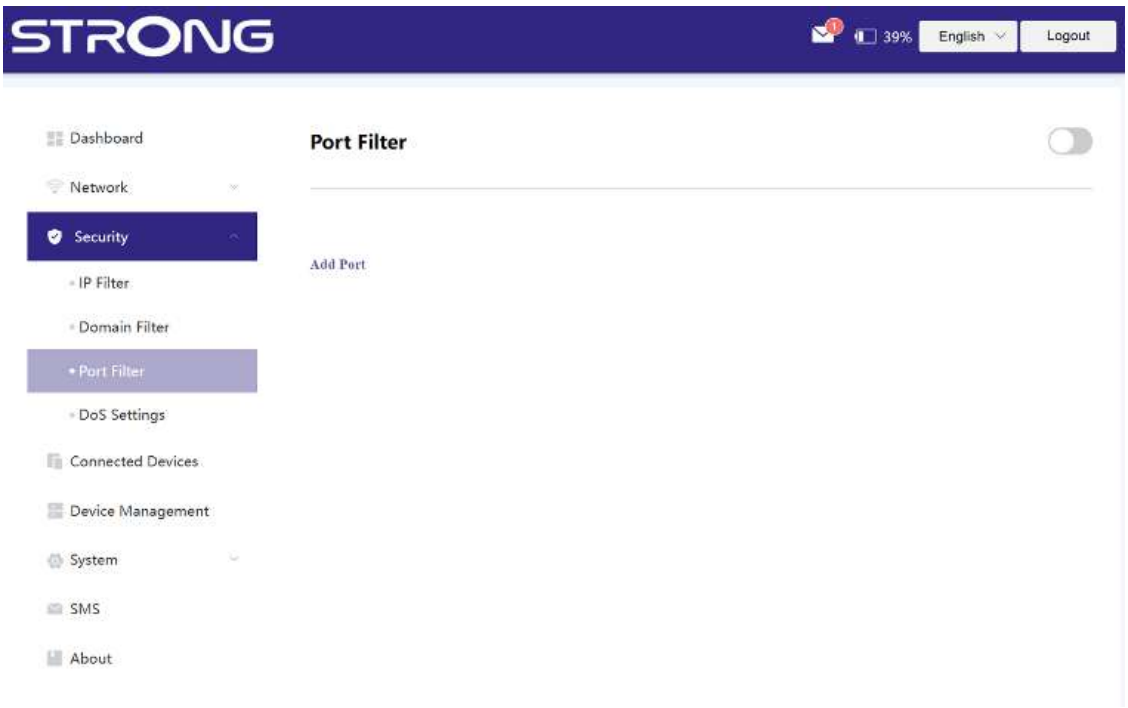


Fig. 47 — Web UI > Security

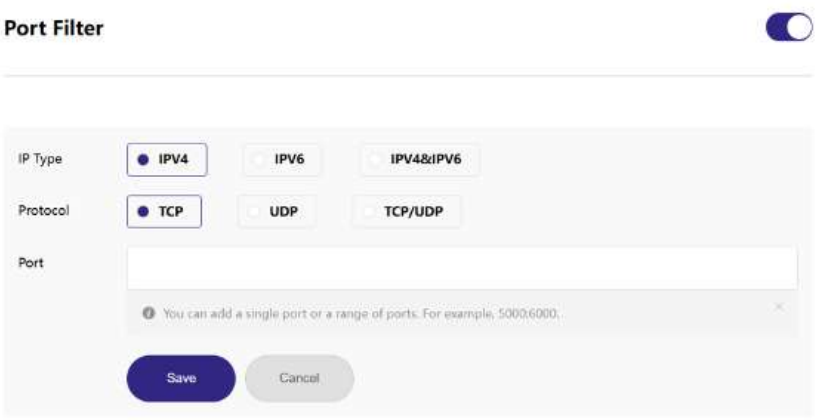


Fig. 48 — Web UI > Security

4.3.4 DoS Settings

Path: Security > DoS Settings

Protects the device against denial-of-service (DoS) attacks by discarding abnormal floods of incoming traffic. Switch the function on, select the protection level for **ICMP**, **TCP** and **UDP** (**Low**, **Middle** or **High**) and click **Save**.

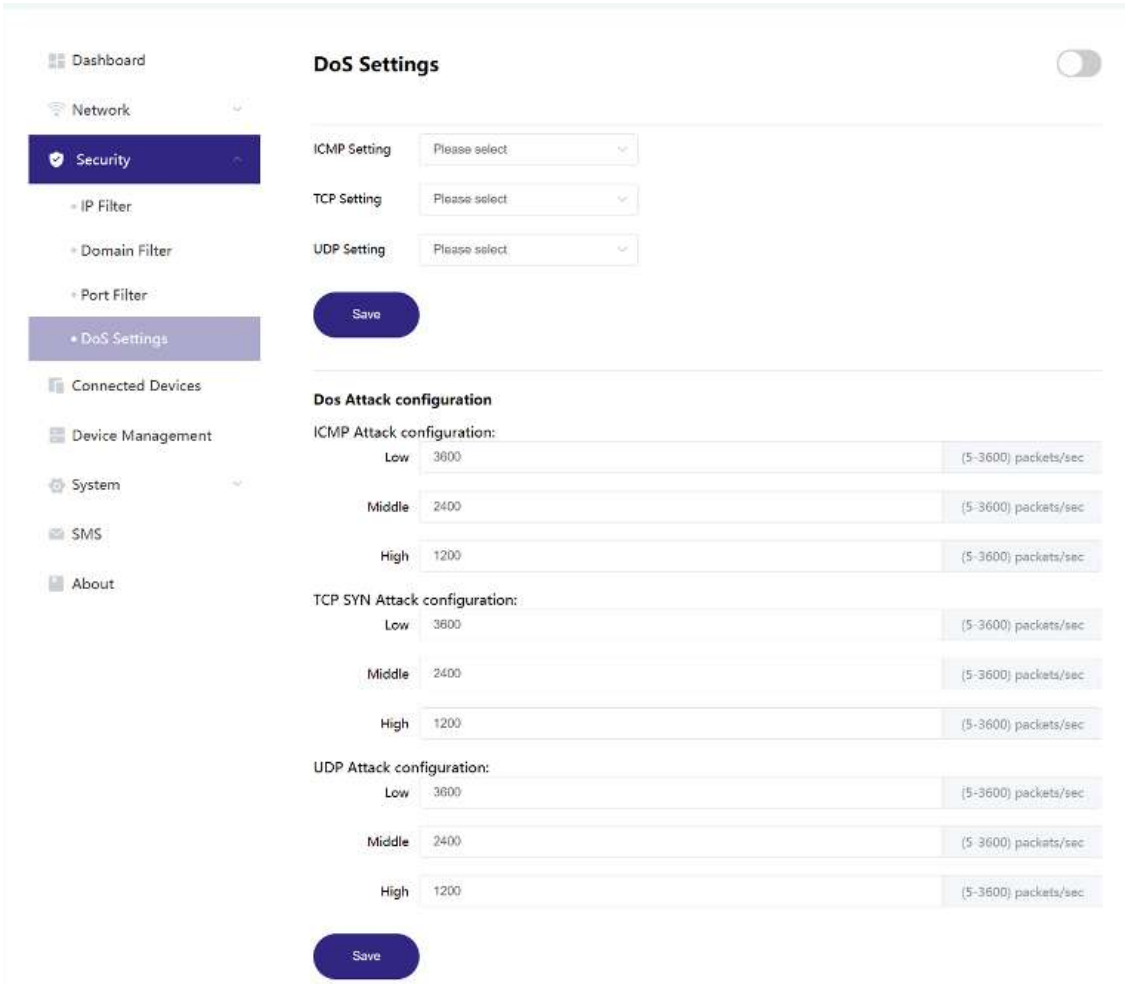


Fig. 49 — Web UI > Security

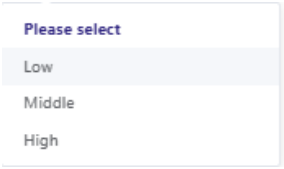


Fig. 50 — Web UI > Security

In **Dos Attack configuration**, you can set the threshold of each level, in packets per second (5 to 3600). By default: Low 3600, Middle 2400, High 1200. The lower the threshold, the stricter the protection.

4.4 Connected Devices

Path: Connected Devices

This page lists the devices connected to the hotspot, with their name, IP address, MAC address, status and connection time. Use it to check how many of the 16 Wi-Fi connections are used, or to find the MAC address of a device for the MAC filter or an IP&MAC binding.

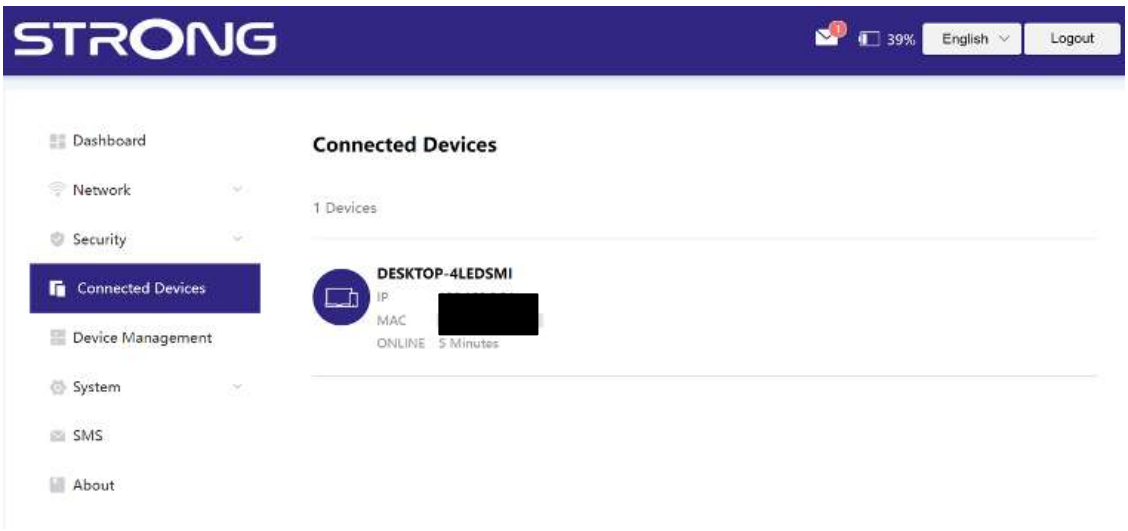


Fig. 51 — Web UI > Connected Devices

> **Tip:** If you see a device you do not recognise, change the Wi-Fi password in **Network > Wi-Fi Parameter Settings**.

4.5 Device Management

Path: Device Management

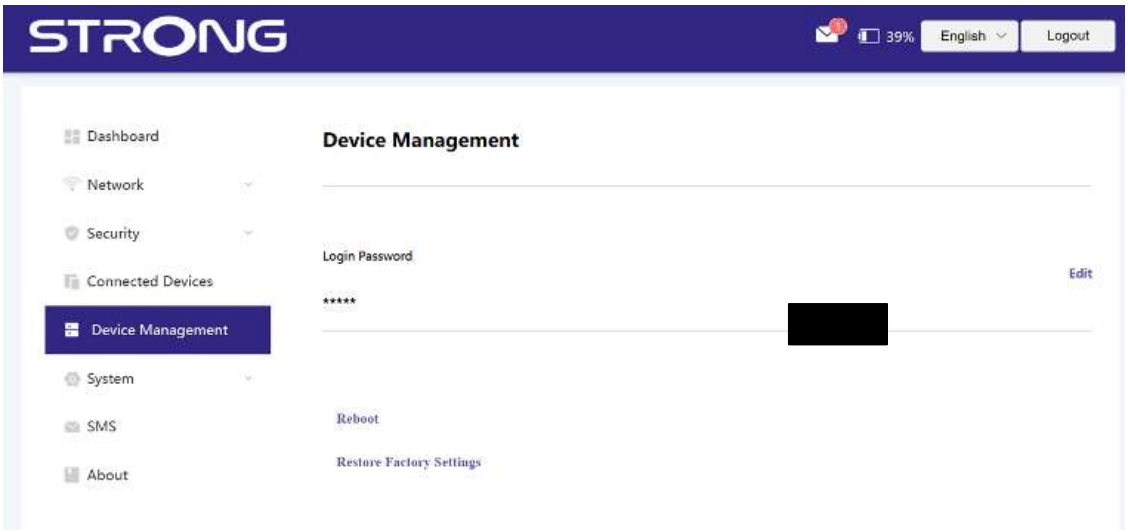


Fig. 52 — Web UI > Device Management

Changing the Web UI password: click **Edit** on the **Login Password** row, enter the old password, then the new password twice (8 to 32 characters, including at least one letter), and click **Save**. Log in again with the new password.

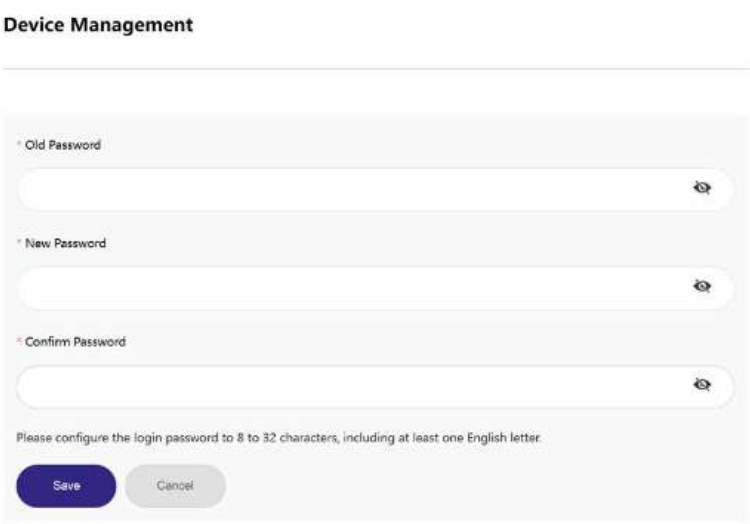


Fig. 53 — Web UI > Device Management

Rebooting the device: click **Reboot** and confirm. The restart takes about **60 seconds**. No setting is lost.

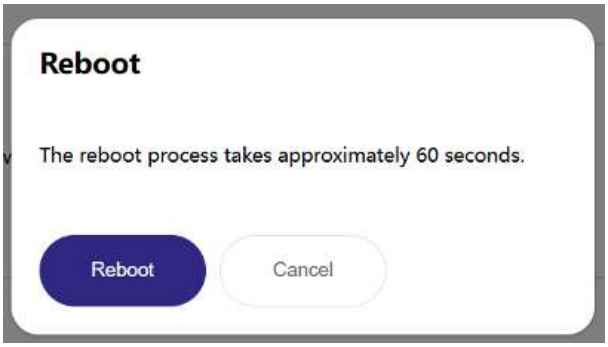


Fig. 54 — Web UI > Device Management

Restoring the factory settings: click **Restore Factory Settings** and confirm with **Factory Reset**. All the settings return to their original values and the device restarts, which takes about **90 seconds**.

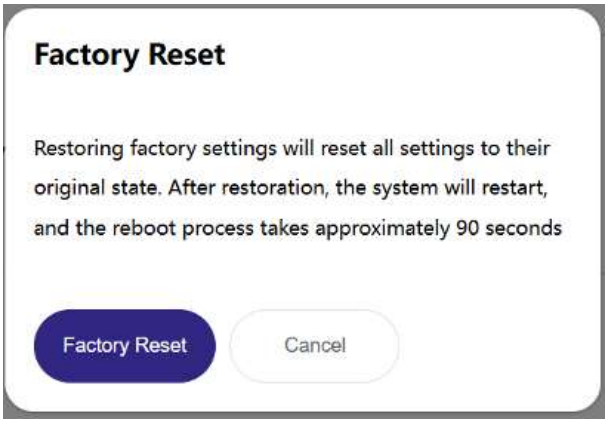


Fig. 55 — Web UI > Device Management

Warning: A factory reset erases the Web UI password, the Wi-Fi names and passwords, the APN profiles and all the filter rules. The Wi-Fi network returns to the name and password printed on the label, and you must create a new Web UI password at the next login. Save a backup first (section 4.6.4).

Without the Web UI:

- **Reboot:** press and hold **Power** for 3 seconds to switch off, then for 3 seconds to switch on again.
- **Factory reset:** remove the back cover and press and hold the **RESET** pinhole, at the bottom right, for more than **5 seconds**, for example with a straightened paper clip. The device restarts when the reset is completed.

Forgotten Web UI password: there is no recovery procedure. Click **Forgot Password** on the login page: as explained, restore the factory settings with the RESET pinhole, then create a new login password.

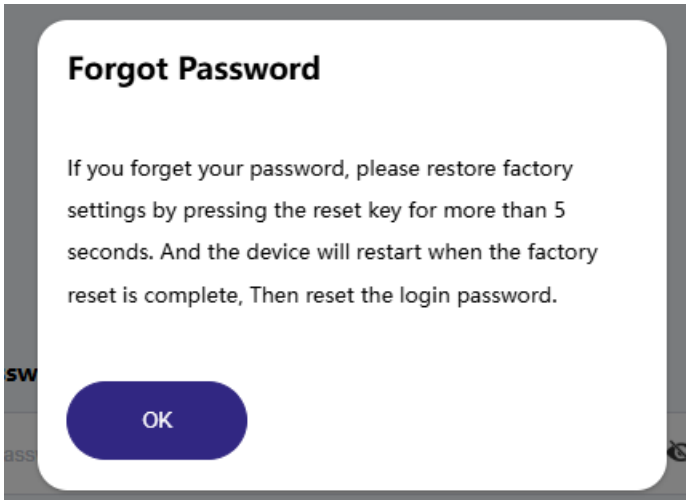


Fig. 56 — Web UI > Device Management

4.6 System

4.6.1 NTP System Time

Path: System > NTP System Time

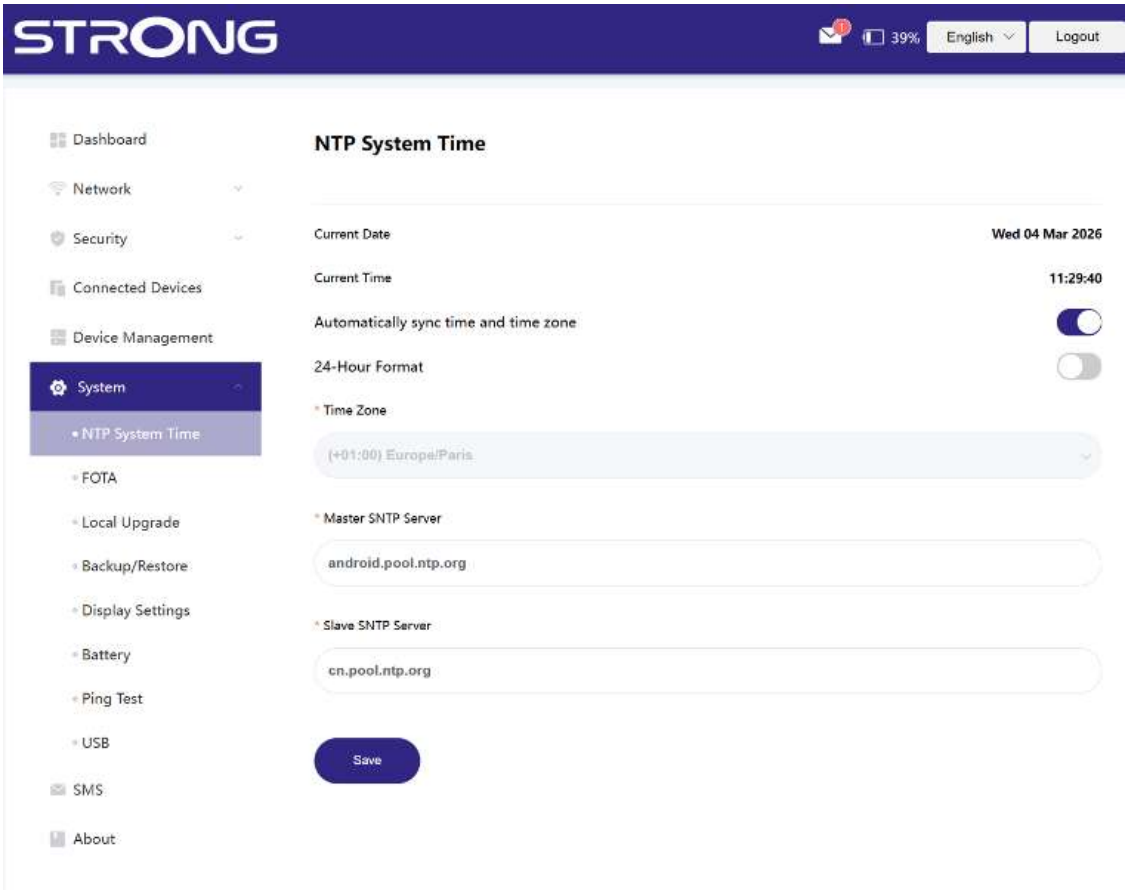


Fig. 57 — Web UI > System

Setting	Description
Automatically sync time and time zone	**On**: the date, time and time zone follow the mobile network. Switch it off to set the time zone yourself.
24-Hour Format	Displays the time in 24-hour or 12-hour format.

Setting	Description
Time Zone	Manual time zone, available when the automatic synchronisation is off.
Master / Slave SNTP Server	Time servers used by the device.

4.6.2 FOTA (Firmware Over The Air)

Path: System > FOTA

FOTA downloads and installs the firmware updates over the mobile connection. The page shows the **Current version** of the firmware.

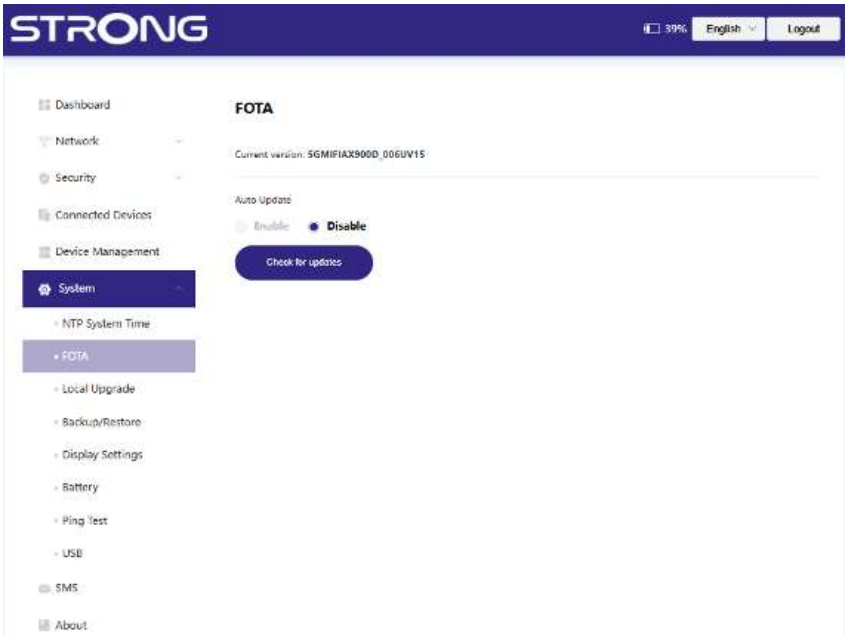


Fig. 58 — Web UI > System

1. Click **Check for updates**.
2. If a newer version exists, its details are displayed. Click **Update** to start.
3. The device downloads, installs the update and restarts.

Set **Auto Update** to **Enable** to let the device check for and install updates automatically.

Warning: Do not switch off the device and do not disconnect the power during an update. An interrupted update can make the device unusable.

4.6.3 Local Upgrade

Path: System > Local Upgrade

Installs a firmware file from your computer, for example a file supplied by STRONG support. Click **Select File**, select the file, then click **Update**. Do not unplug the power or reboot the device during the update.

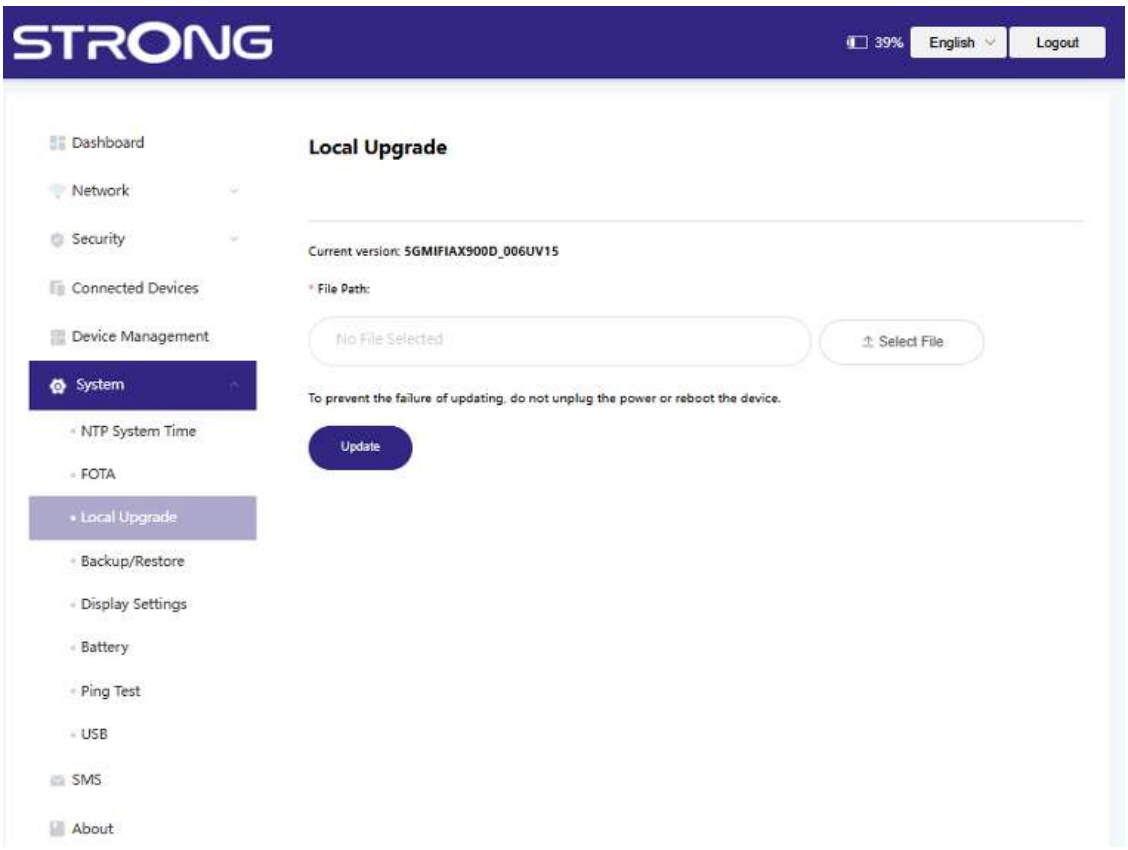


Fig. 59 — Web UI > System

4.6.4 Backup/Restore

Path: System > Backup/Restore

Download Backup: click **Download** to save the current configuration to a file on your computer. **Restore:** click **Select File**, select a backup file, then click **Update Settings**. The device applies the configuration and restarts.

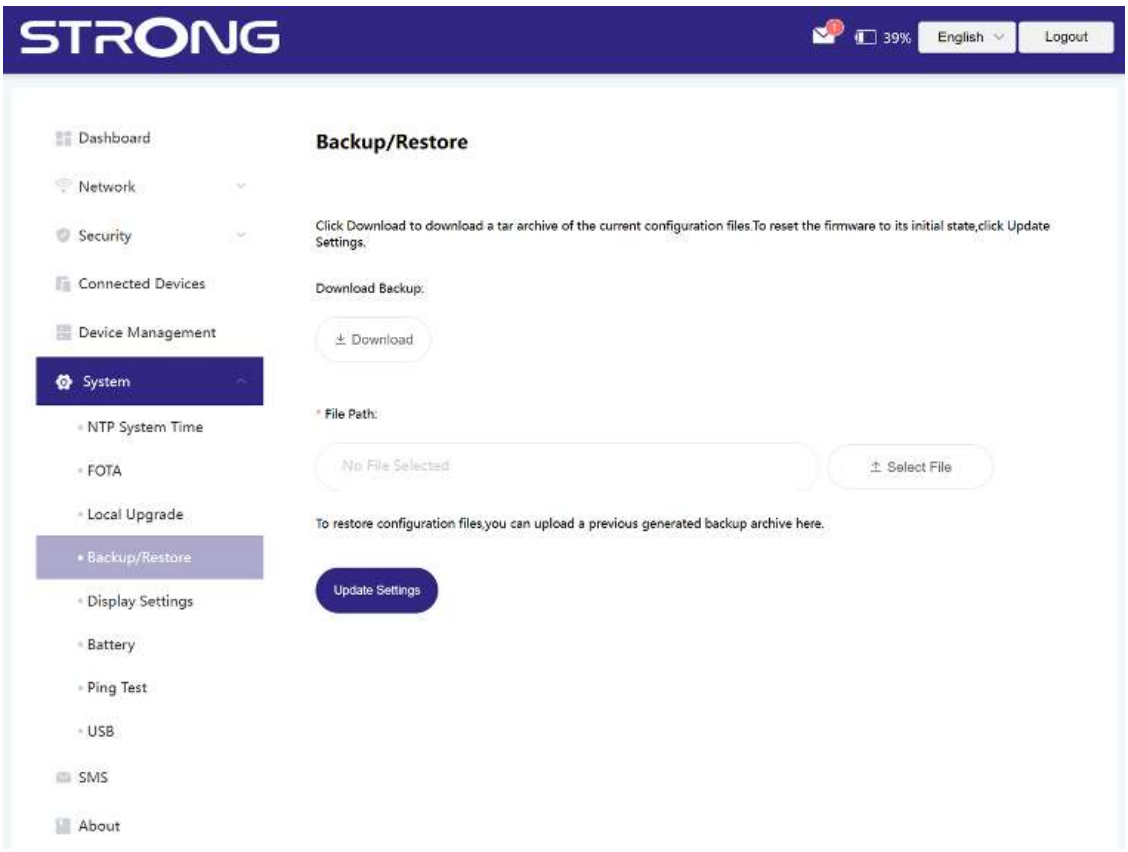


Fig. 60 — Web UI > System

> **Tip:** Save a backup once the device is configured as you want: you can restore all your settings after a factory reset.

4.6.5 Display Settings

Path: System > Display Settings

Screen Timeout sets the time after which the display switches off when you do not press any button (for example **30 Seconds**). Select the time and click **Save**. Press **Power** briefly to wake the display.

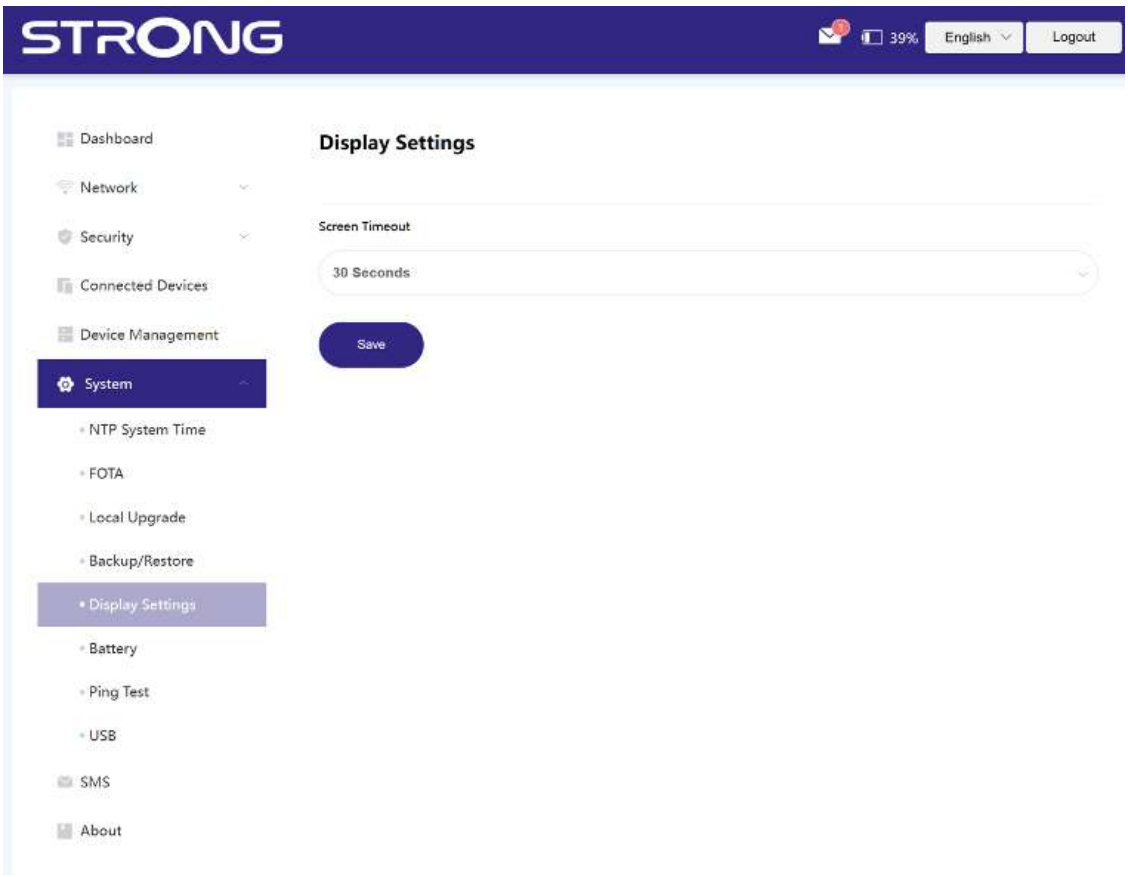


Fig. 61 — Web UI > System

> **Tip:** A short screen timeout saves the battery.

4.6.6 Battery

Path: System > Battery

This page shows the **Battery Level** and controls the Wi-Fi power saving.

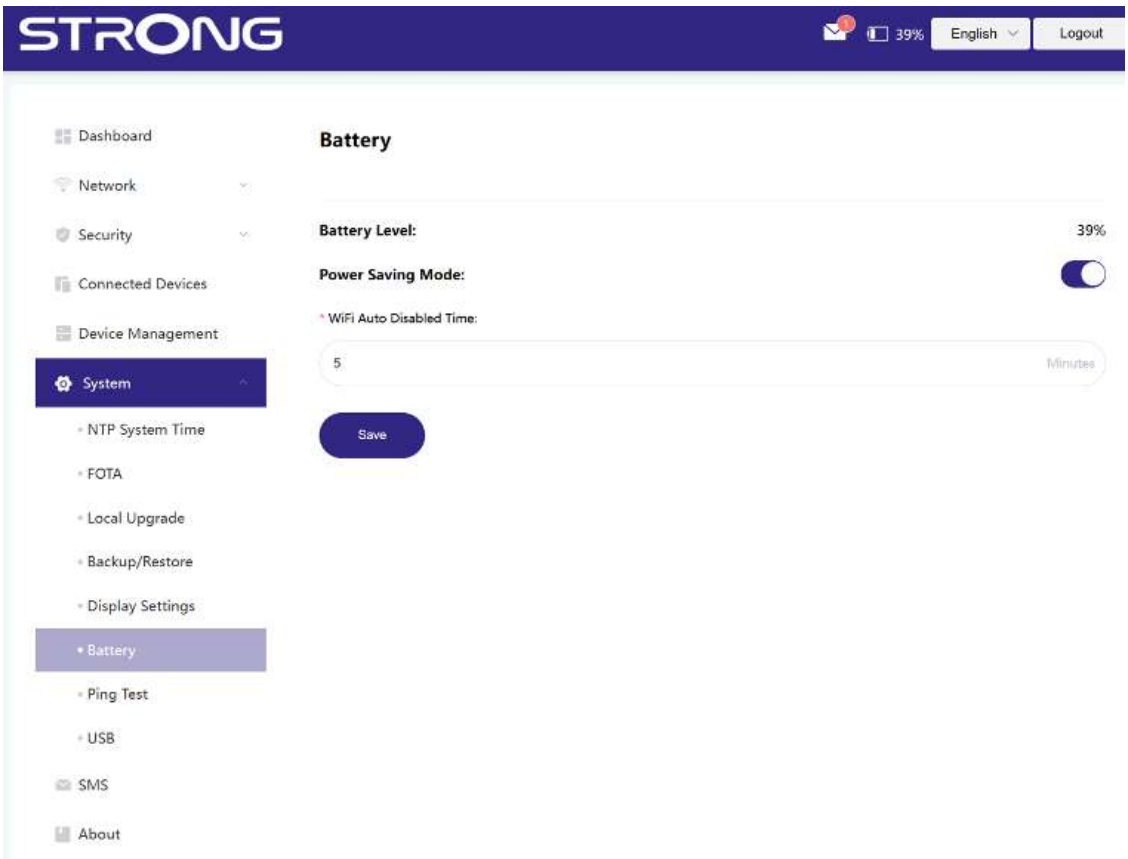


Fig. 62 — Web UI > System

When **Power Saving Mode** is on, the device switches its Wi-Fi off after the time set in **Wi-Fi Auto Disabled Time** (in minutes), when no device is connected. Press **Power** briefly to switch the Wi-Fi on again. Switch Power Saving Mode off to keep the Wi-Fi network always available, at the cost of a shorter battery life.

> **Note:** Saving a change on this page restarts the Wi-Fi: you may lose the Wi-Fi connection for a moment.

4.6.7 Ping Test

Path: System > Ping Test

Checks whether the device can reach an address. Select the **IP Type** (IPv4 or IPv6), enter a domain name or an IP address (for example 8.8.8.8 or www.google.com) and click **Ping**.

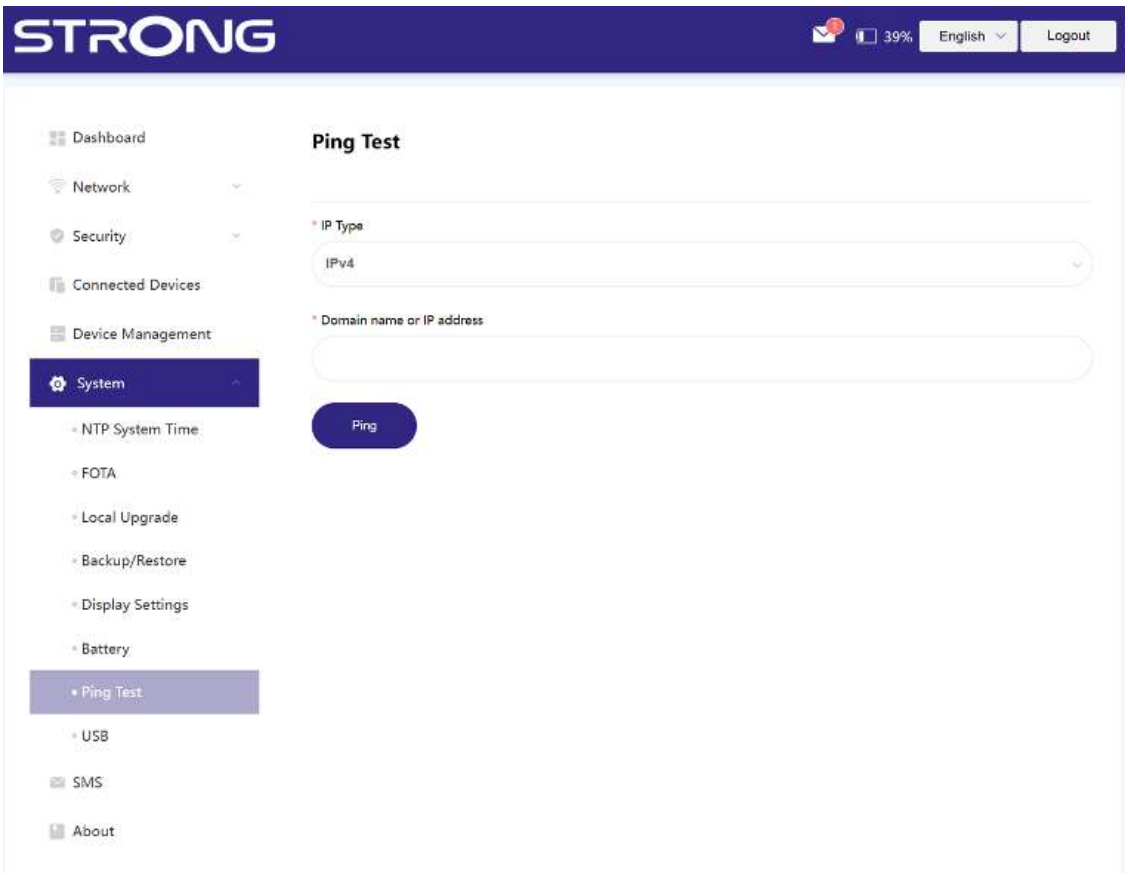


Fig. 63 — Web UI > System

Replies with 0% packet loss indicate a working connection. 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.

4.6.8 USB

Path: System > USB

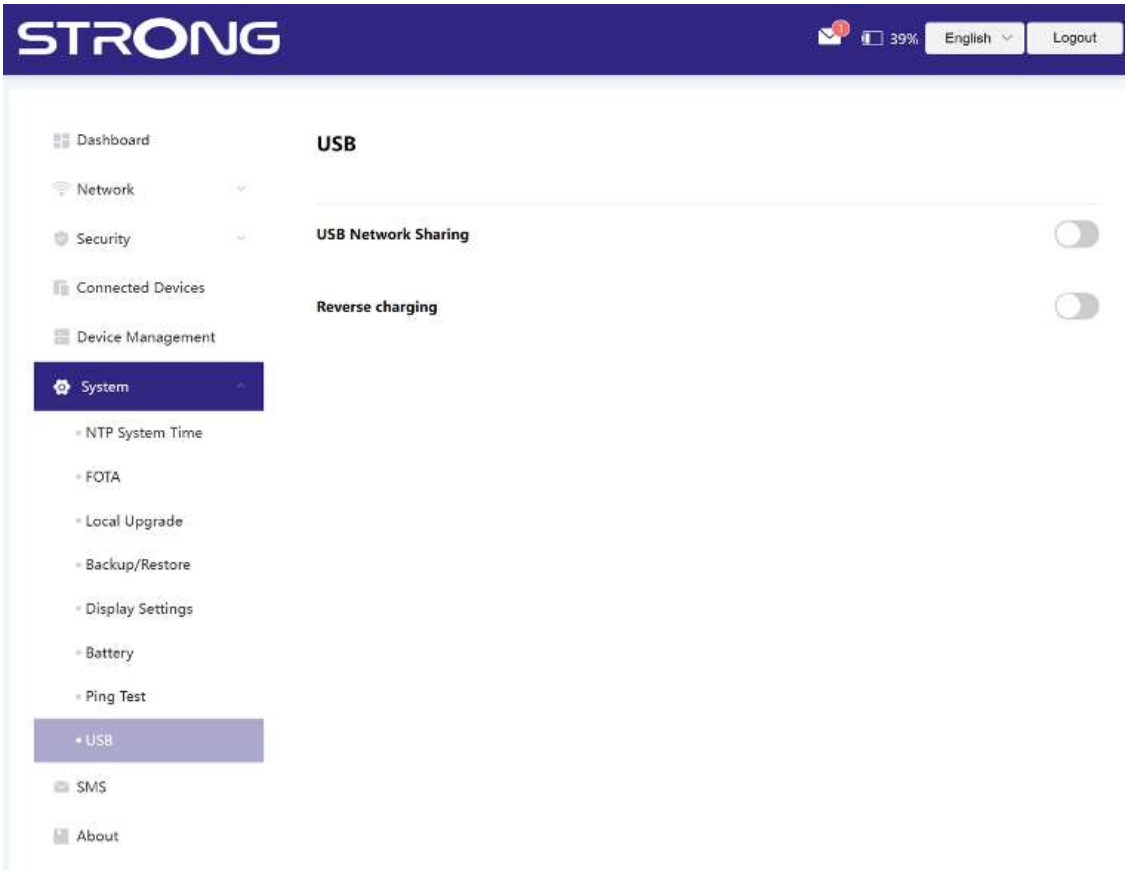


Fig. 64 — Web UI > System

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.
Reverse charging	Uses the battery of the device to charge another device over the USB-C cable (power bank).

Note: USB Network Sharing and Reverse charging cannot work at the same time.

4.7 SMS

Path: SMS

The device receives and sends text messages with the number of its SIM card. New messages are also shown on the display (section 3).

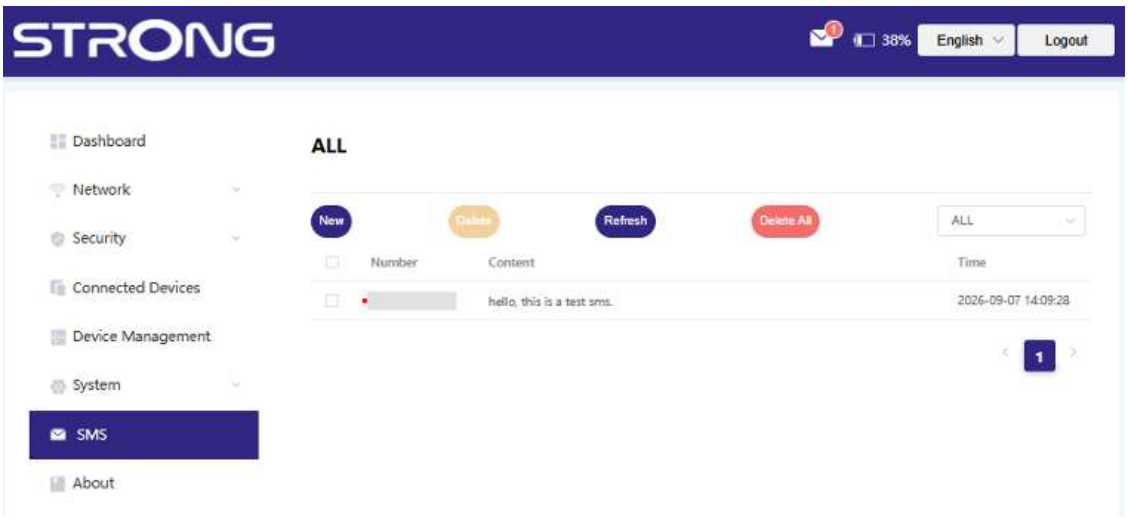


Fig. 65 — Web UI > SMS

Control	Function
New	Opens the window to write a new message.
Delete / Delete All	Deletes the selected messages, or all the messages of the list.
Refresh	Updates the list.
Filter list	Shows ALL, Inbox, Sent, Draft or Unread messages.

To send a message, click **New**, enter the number in international format and your text, then click **Send**. Click a message in the list to open it.

> **Note:** The device handles text messages only. Multimedia messages (MMS) are not supported.

4.8 About

Path: About

The About page shows the identification of the device and of the SIM card. Have this information ready when you contact support.

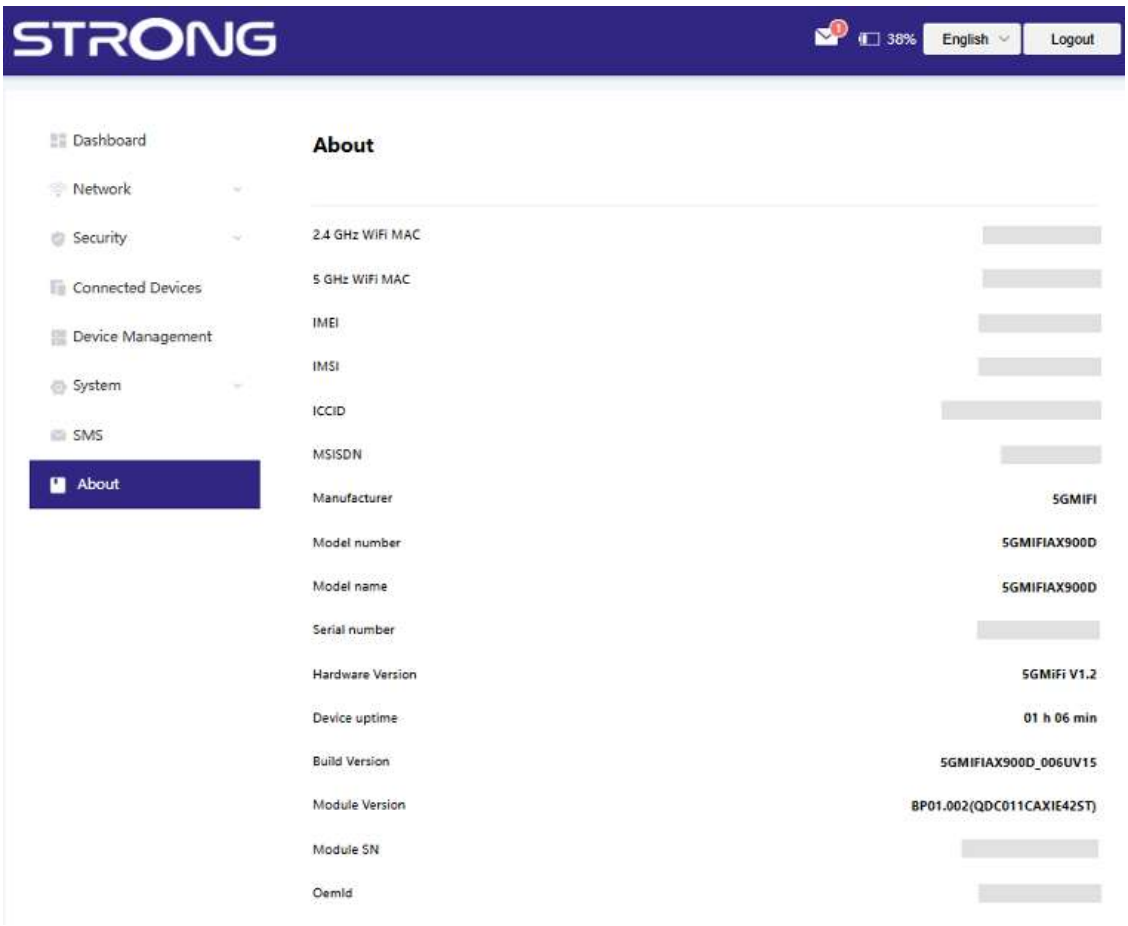


Fig. 66 — Web UI > About

Field	Meaning
2.4 GHz / 5 GHz WiFi MAC	Hardware addresses of the Wi-Fi.
IMEI	Identifier of the device on mobile networks.
IMSI / ICCID / MSISDN	Identifiers of the SIM card and its phone number.
Model number / Model name	5GMIFIAX900D.
Serial number / Hardware Version	Serial number and hardware version of the device.
Device uptime	Time since the last start-up.
Build Version	Firmware version installed (for example 5GMIFIAX900D_006UV14). Quote it when you report a problem.
Module Version / Module SN / OemId	Version and identifiers of the 5G module.

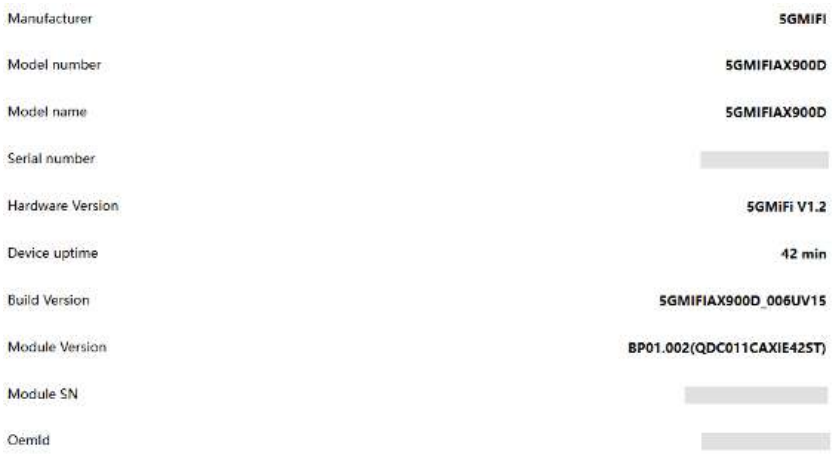


Fig. 67 — Web UI > About

5 Common operations

5.1 Change the Wi-Fi name and password

1. Go to **Network > Wi-Fi Parameter Settings**.
2. Select the band and click **Edit**.
3. Change the **WiFi Name** and the **WiFi Password**.
4. Click **Save** and reconnect your devices.

5.2 Switch between the 2.4 GHz and 5 GHz bands

On the display: open the menu, go to **WIFI Account**, press **Power**, move to the other network with **Select** and press **Power**.

In the Web UI: go to **Network > Wi-Fi Parameter Settings** and select **2.4G** or **5G** in **Wi-Fi Band Selection**.

> **Note:** The device broadcasts one band at a time. Each band keeps its own name and password: your devices must reconnect after a change.

5.3 Connect a smartphone with the QR code

Open the menu, go to **WIFI Account**, press **Power**, then press **Power** again on the network marked ✓. Scan the QR code with the camera of your smartphone.

5.4 Stop the PIN request at every start-up

1. Go to **Network > PIN Management**.
2. Switch **SIM Card Lock** off.
3. Enter the current PIN code and confirm.

5.5 Add or change an APN profile

1. Go to **Network > Mobile Settings** and click **Edit** next to **APN Settings**.
2. Click **Add APN**, or **Edit** on an existing row.
3. Enter the values supplied by your operator and click **Confirm**.
4. Tick **Default** on the profile to use and click **Apply**.

5.6 Restrict the hotspot to your own devices

1. Go to **Connected Devices** and note the MAC address of each device to keep.
2. Go to **Network > MAC Filter** and switch the function on.
3. Click **Change Model**, select **Allow Access** and click **Save**.
4. Click **Add Mac Address** and add each device, starting with the device you are working from.

5.7 Charge your phone with the device

1. Open the menu, go to **Reverse Charging** and enable it (or enable **Reverse charging** in **System > USB**).
2. Connect the USB-C cable of the device to your phone.

5.8 Get more battery life

- Go to **System > Battery** and switch **Power Saving Mode** on.
- Go to **System > Display Settings** and select a short **Screen Timeout**.

- Go to **Network > Wi-Fi Parameter Settings**, click **Edit** and set **Transmitting Power** to **Medium** or **Low**.
- Disable **Reverse charging** when you do not use it.

5.9 Back up the configuration and update the firmware

- **Backup:** go to **System > Backup/Restore** and click **Download**.
- **Update:** go to **System > FOTA** and click **Check for updates**, or set **Auto Update** to **Enable**.

6 Troubleshooting

Problem	Solution
The device does not switch on.	Charge the battery for at least 30 minutes, then press and hold **Power** for 3 seconds. Check that the battery is correctly inserted under the back cover.
The display is black.	The screen switches off after the timeout set in **System > Display Settings**. Press **Power** briefly to wake it.
No signal bars / no Internet.	Check that the nano SIM card is correctly inserted and that your plan includes mobile data. Enter the SIM PIN code if requested (section 2.6). Check that **Mobile Data** is on and **Airplane Mode** is off in **Network > Mobile Settings**. Check the APN with your operator (section 4.2.2). Abroad, enable **Data Roaming**.
The Wi-Fi network does not appear.	With **Power Saving Mode**, the Wi-Fi switches off when no device is connected. Press **Power** briefly to switch it on again. Check that the network is not hidden (**Broadcast** set to **ON**). Check which band is in use: the device broadcasts only one network at a time.
A device cannot connect to the 5 GHz network.	Check that the device supports 5 GHz, or switch to the 2.4 GHz band (section 5.2).
I cannot open the Web UI.	Check that your device is connected to the hotspot, then enter **http://setup.strong** or **http://192.168.0.1**. Disable any VPN application on your device.
I forgot the Web UI password.	Restore the factory settings with the RESET pinhole under the back cover (section 4.5).
I forgot the Wi-Fi password.	Read it on the display, in **WIFI Account**, or on the product label under the back cover if you have not changed it.
The SIM card is blocked.	Contact your operator to obtain the PUK code.
Reverse charging or USB network sharing does not work.	These two functions cannot work at the same time: disable one of them in **System > USB**.
The connection switches from 5G to 4G.	The device selects the best available network automatically. This can happen when the 5G coverage is weak.

Tip: Keep the firmware up to date (section 4.6.2): updates fix bugs and improve stability.

7 Technical specifications

Feature	Specification
Model	5GMIFIAX900D — 5G+ AIRSPOT 1221 Mobile Wi-Fi
Mobile technology	5G (NSA and SA), compatible with 5G, 4G+, 4G and 3G
5G maximum download speed	Up to 3.2 Gbps
5G bands (SA and NSA)	n1 / 3 / 5 / 7 / 8 / 20 / 28 / 38 / 40 / 41 / 77 / 78
LTE bands	FDD B1 / 3 / 5 / 7 / 8 / 20 / 28, TDD B38 / 40 / 41 / 42 / 43
WCDMA bands	B1 / 5 / 8
SIM card	Nano SIM (not included), unlocked, works with major operators. International roaming. PIN code management
Wi-Fi	Wi-Fi 6 (IEEE 802.11ax), AX900, up to 0.9 Gbps. One network at a time on 2.4 GHz or 5 GHz
Wi-Fi security	WPA2, WPA3, WPA2/WPA3
Maximum Wi-Fi devices	16
Display	Colour display, 6.10 cm (2.4"). Network status, Wi-Fi name, password and QR code, SMS notifications, battery level
Buttons	Power, Select, RESET pinhole (under the back cover)
USB	USB Type-C, cable built into the wrist strap. Charging, USB network sharing, reverse charging (power bank)
Battery	4,800 mAh, rechargeable and removable Lithium-Ion. About 8 hours of use
Power supply	USB PD 5 V / 3 A or 9 V / 2.22 A
Management	Web UI (http://setup.strong), firmware update over the air (FOTA) and local upgrade
Operating temperature	0 °C to +45 °C
Storage temperature	−20 °C to +60 °C

8 Support and legal notice

8.1 Support

For FAQs, documentation and firmware updates, visit **www.strong-eu.com**. Before contacting support, have the model (**5GMIFIAX900D**), the serial number and the build version (**About**) ready.

8.2 Battery and disposal

- Use only the battery supplied with the device. Do not short-circuit, puncture, crush or burn the battery, and do not expose it to high temperatures or direct sunlight.
- The crossed-out wheeled bin symbol means that the device and its battery must not be disposed of with household waste at the end of their life. Take them to a collection point for electrical and electronic equipment and batteries.

8.3 Legal notice

This product complies with the applicable European directives. The CE mark certifies its compliance. STRONG is a registered trademark, a subsidiary of Skyworth.

The functions of Wireless Access Systems including Radio Local Area Networks (WAS/RLANs) within the band 5150–5350 MHz are restricted to indoor use only within European Union countries.

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Data throughput, distance, signal range and coverage are given for reference only and are based on performance test results under normal use conditions. Actual performance is not guaranteed and varies with the mobile network, the operating environment, the positioning of the products, building materials, and wireless and electrical interference. Roaming may be charged separately by your operator.

As a consequence of continuous research and development, technical specifications, designs, pictures and the appearance of the products may change without notice.

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