

HOOC CONNECT M

Manual

GB
STEP 1

Insert SIM card, connect network cable and power supply.

GB
STEP 2

- www.hooc.ch/connect
- Login
- Add site
- Link HOOC Connect

Serialnumber

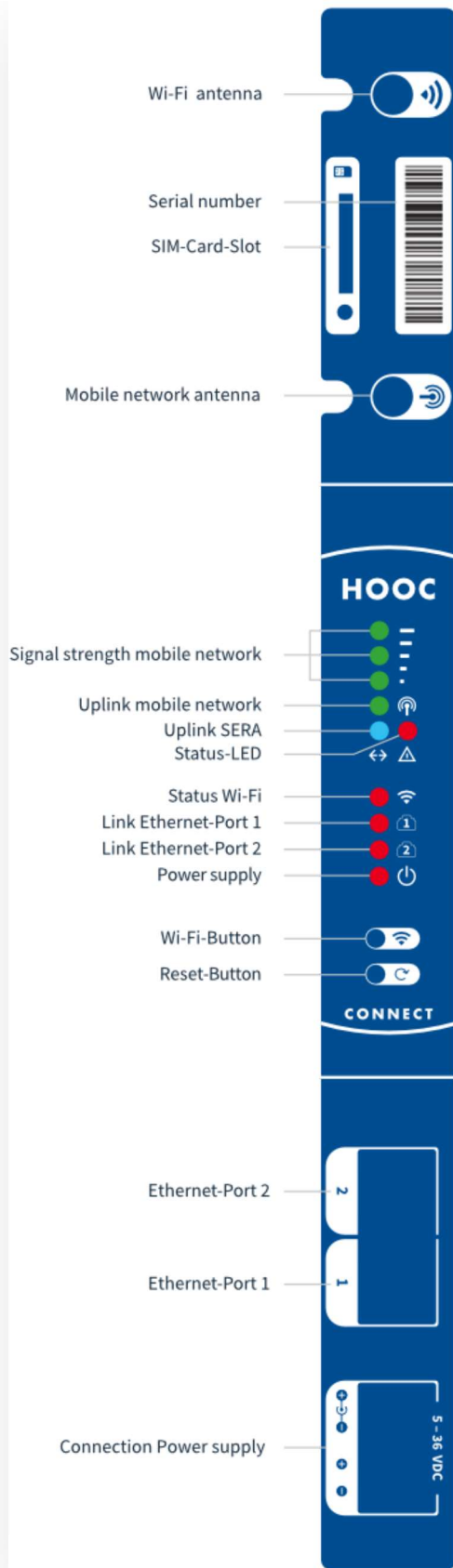
GB
STEP 3

- Open URL 192.168.2.1
- Configure HOOC Connect

HOOC Connect M Technical Data

| | | |
|----------------|---------------------------|--------------------------|
| Supply | Supply voltage | DC 5-36V |
| | Power consumption | Max. 2.95W@12VDC |
| | Current consumption | 120mA@12VDC |
| Temperature | Operation | -20°C to +70°C |
| | Storage | -40°C to +75°C |
| Design | Dimensions | 110 x 29 x 100mm (HxWxD) |
| | DIN rail or wall mounting | |
| Certification | CE/RoHS | |
| Mobile Network | G806-E 4G FDD-LTE | 1/3/5/7/8/20 |
| | G806-E 4G TDD-LTE | 38/39/40/41 |
| | G806-E 3G WCDMA/HSPA/UMTS | 1/8 |
| | G806-E 2G GPRS/GSM/EDGE | 3/8 |
| SIM | Standard | 6 pin SIM card |
| | | 3V/1.8V SIM card |
| WiFi Network | 802.11b/g/n | |
| | Port 1 | WAN (DHCP Client) |
| | Port 2 | 192.168.2.1/24 |

Interfaces and controls



Uplink mobile network

| | |
|--|-------------------------------------|
| | No connection to the mobile network |
| | Standby |
| | Connecting |
| | Connected |

Uplink SERA

| | |
|--|-----------------------------------|
| | SERA switched off |
| | SERA connecting |
| | SERA standby mode |
| | SERA connected (normal operation) |

Status LED

| | |
|--|--------------------------------|
| | Normal operation |
| | No connection to the internet |
| | Can't obtain an IP address |
| | Default gateway is unreachable |
| | DNS server is unreachable |
| | No connection to HOOC Cloud |
| | General error |
| | Configuration mode is active |

Status Wi-Fi

| | |
|--|--|
| | Wi-Fi off |
| | Wi-Fi Client connecting / Access Point not available |
| | Wi-Fi Client connected / Access Point off |
| | Wi-Fi Client connected / Access Point on |
| | Wi-Fi Client disconnected / Access Point on |

Wi-Fi-Button

| | | |
|--|--------|---------------------------|
| | 1 Sek. | Wi-Fi Access Point On/Off |
|--|--------|---------------------------|

Reset-Button

| | | |
|--|---------|---------------------------|
| | 1 Sek. | Enable configuration mode |
| | 5 Sek. | Restart gateway |
| | 15 Sek. | Reset to factory settings |

Configuration

The configuration of the HOOC Gateways (M series) can be done via browser.

Info

By default, the device has the IP address **192.168.2.1** on port 2.

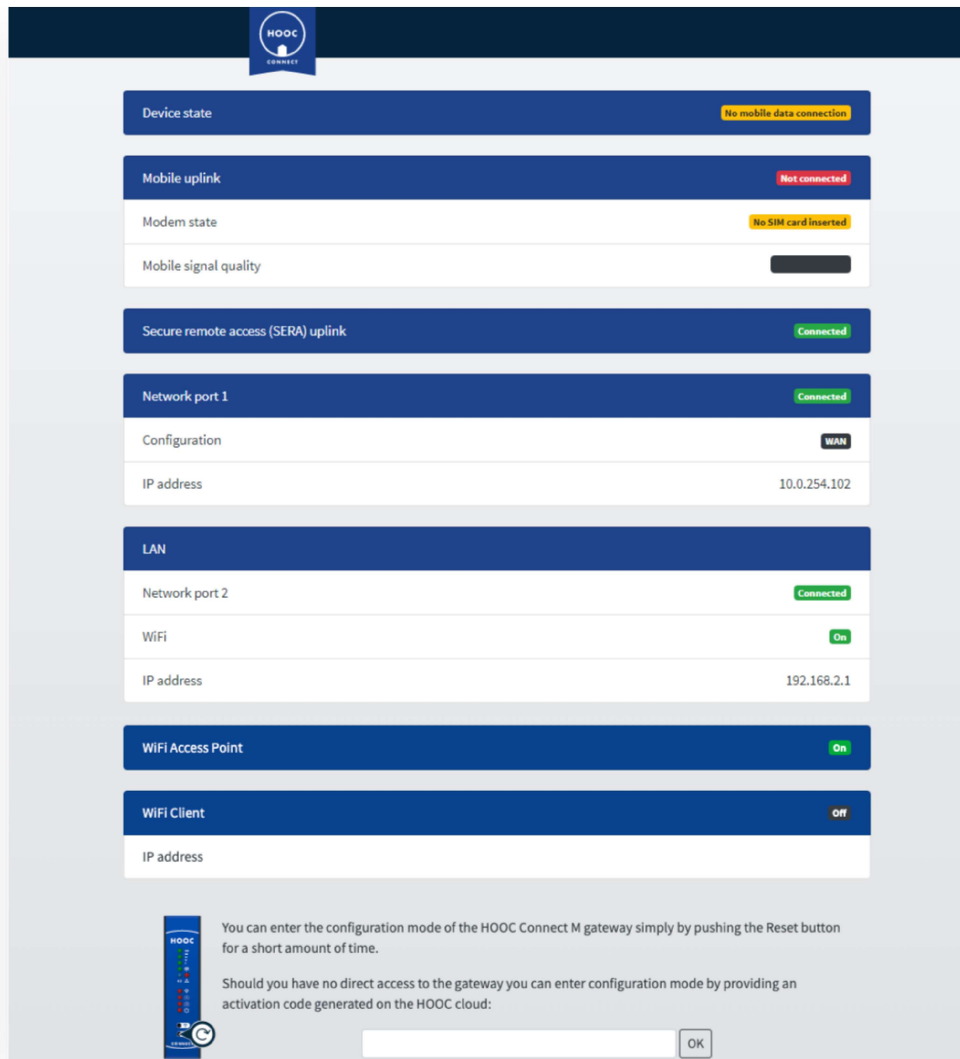
Establish connection to the HOOC Gateway

Follow the instructions below to connect (your PC) to the HOOC Gateway:

1. Insert the **SIM card** (optional)
2. Connect the HOOC Gateway to the power supply
3. Connect your PC to the **network port 2 of the HOOC Gateway**
4. Wait until the device has started up (approx. 1min)
5. In your browser (use *Google Chrome*), open the URL **192.168.2.1**

Info

If the connection cannot be established, check the IP settings.



Configuration mode

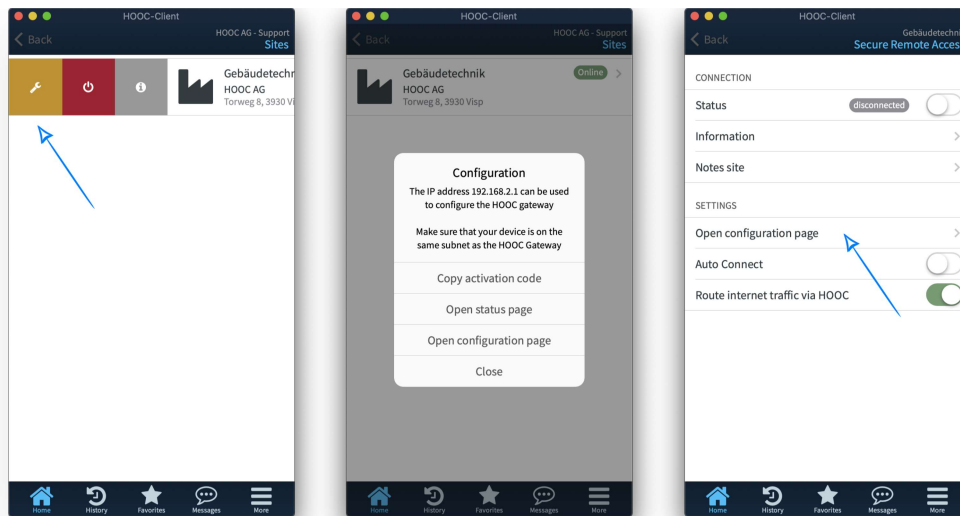
Enter configuration mode

Local

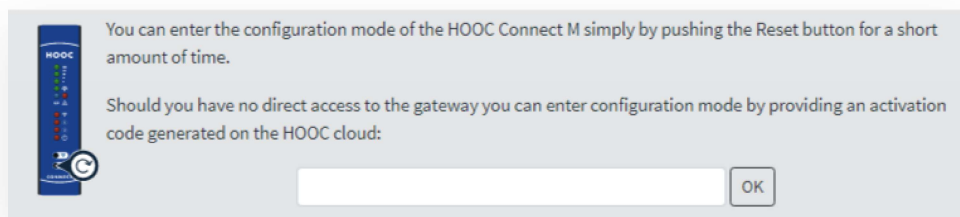
The configuration mode can be activated by pressing the reset button briefly (1 sec).

from Remote

The configuration mode can be activated remotely with the HOOC App. The activation code of a HOOC Gateway can be generated either in the sites overview or in the menu "Secure Remote Access".

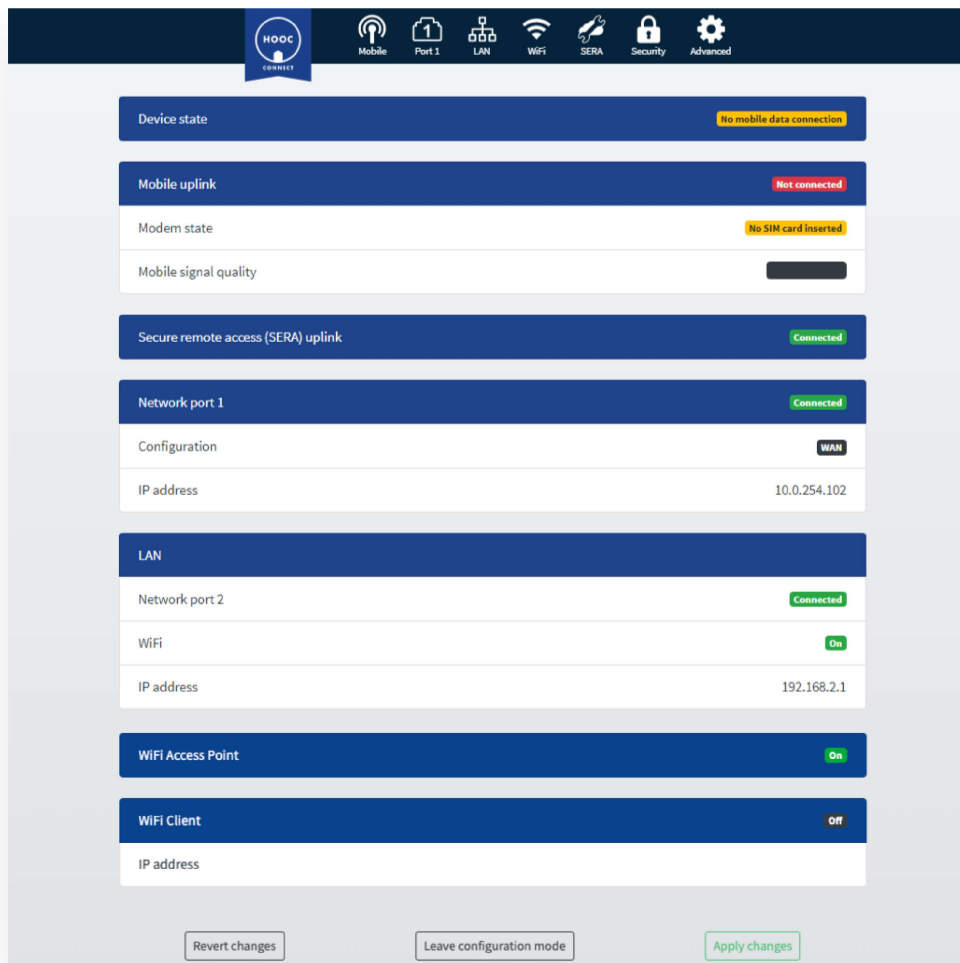


The generated code can now be used to activate the configuration mode.



Info

If the configuration mode is active, the status LED (red) lights up continuously.



Exit configuration mode

The configuration mode can be deactivated by pressing the **Leave configuration mode** item, or it automatically deactivates 30 seconds after disconnecting from the configuration page.

Info

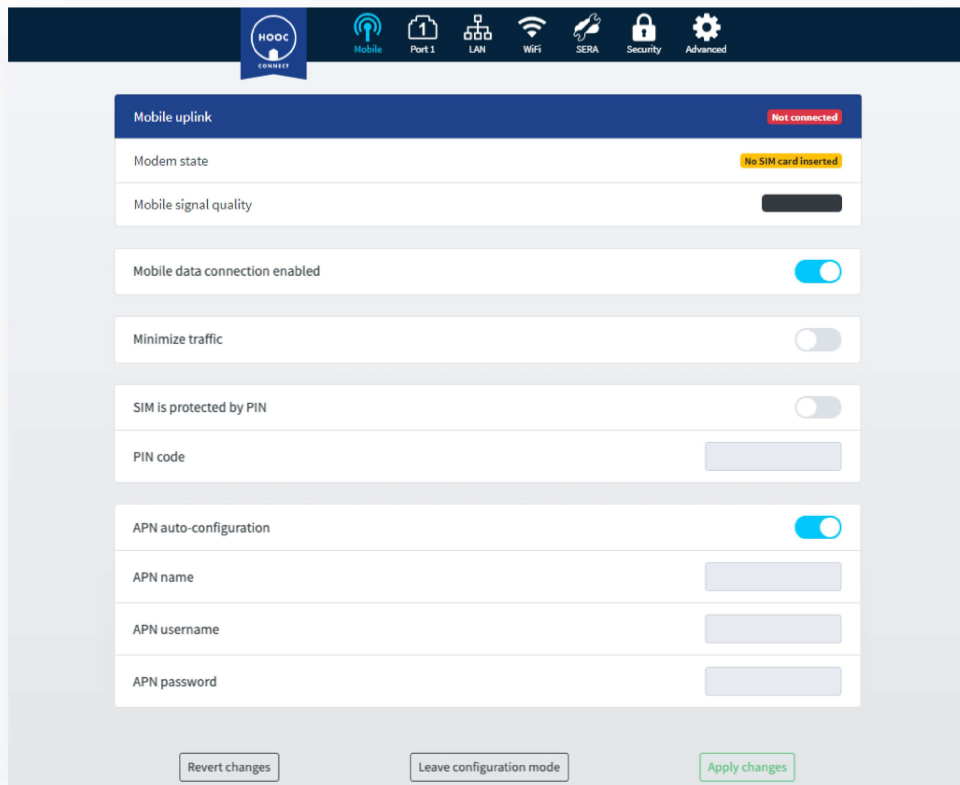
If the configuration mode is inactive, the status LED (red) **does not** light up continuously.

Apply configuration

Once new settings have been made, they can be transferred to the HOOC Gateway by clicking on the **Apply changes** element.

If changes are made to the LAN network, make sure that you remember to use the the new IP address set for network port 2 as the URL for further configuration.

Configuration Mobile Network



Minimize traffic

When **Activate** this option, the data traffic is reduced depending on the following table.

| Option SERA activated | Option Internet-access for LAN devices | Data traffic |
|-------------------------------------|---|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Data traffic is minimized if the standby mode is activated. |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Data traffic not minimized because SERA is used |

| Option SERA activated | Option Internet-access for LAN devices | Data traffic |
|------------------------------|---|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Data traffic is minimized, if no device in the LAN using internet data |
| <input type="checkbox"/> | <input type="checkbox"/> | Data traffic is minimized |

SIM PIN

If the inserted SIM card requires a pin, this must be stored here.

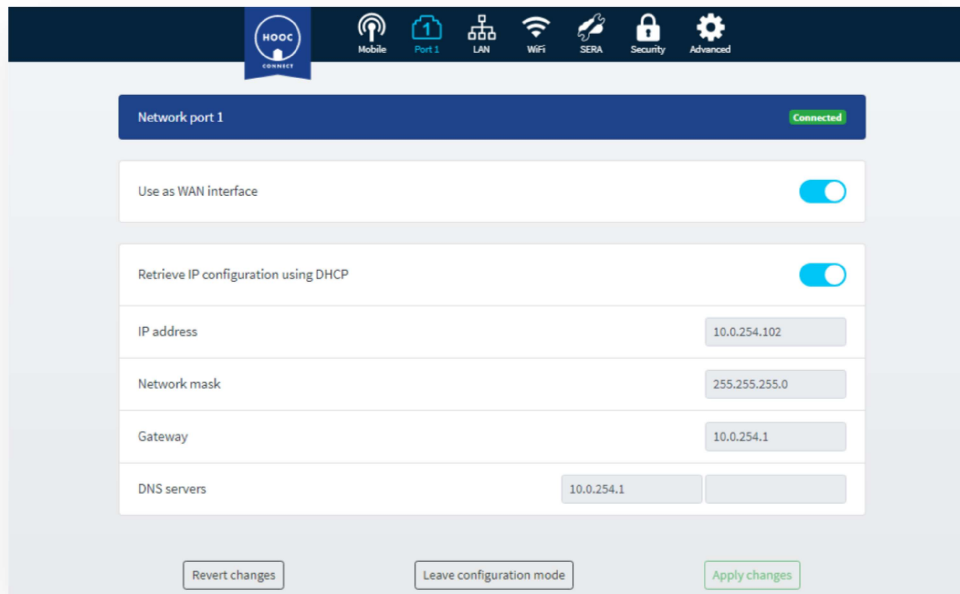
Tip

If the SIM PIN **is not correct**, it will be reset once. In case of repeated incorrect entries, the SIM card can be locked and must be unlocked with another device.

APN configuration

The HOOC Connect Gateway reads the APN configuration from the SIM card and fills it into the corresponding fields. If this is **not the case** or if a specific APN is used, the settings can be made here.

Configuration Network port 1



The screenshot shows the configuration page for Network port 1. At the top, there is a navigation bar with icons for Mobile, Port 1, LAN, WiFi, SERA, Security, and Advanced. The main content area is titled "Network port 1" and shows a "Connected" status. Below this, there are several configuration options:

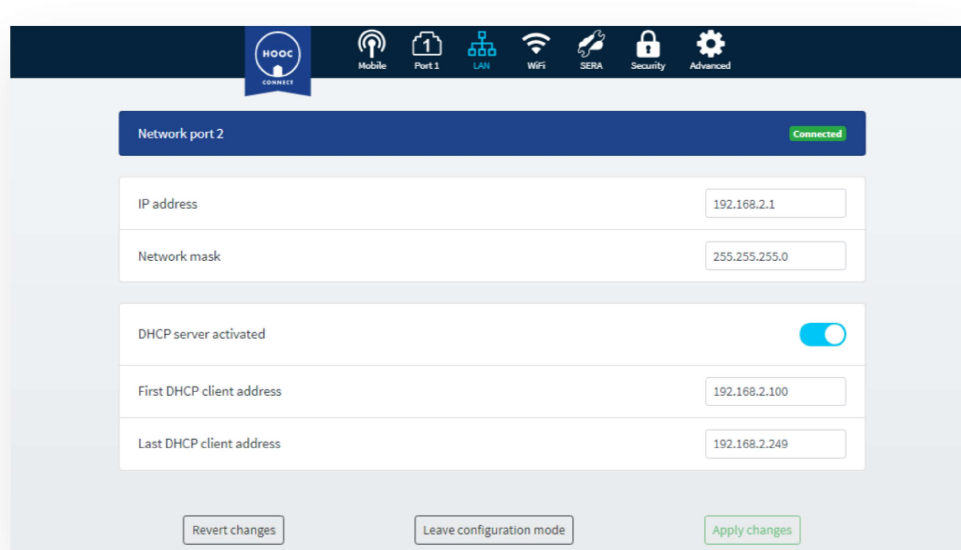
- Use as WAN interface:** A toggle switch that is currently turned on (blue).
- Retrieve IP configuration using DHCP:** A toggle switch that is currently turned on (blue).
- IP address:** A text input field containing "10.0.254.102".
- Network mask:** A text input field containing "255.255.255.0".
- Gateway:** A text input field containing "10.0.254.1".
- DNS servers:** A text input field containing "10.0.254.1".

At the bottom of the configuration area, there are three buttons: "Revert changes", "Leave configuration mode", and "Apply changes".

The **network port 1** by default is defined as WAN port and receives an IP address via DHCP. If required, this IP address can be defined statically. When used as a WAN port, the Internet traffic is sent via this interface, even if there is a mobile data connection.

When the WAN function is **disabled**, network port 1 acts as additional **LAN network port** (switch functionality with network port 2).

Configuration LAN



The screenshot displays the configuration page for Network port 2. At the top, a navigation bar includes icons for Mobile, Port 1, LAN, WiFi, SERA, Security, and Advanced. The main content area shows the following configuration details:

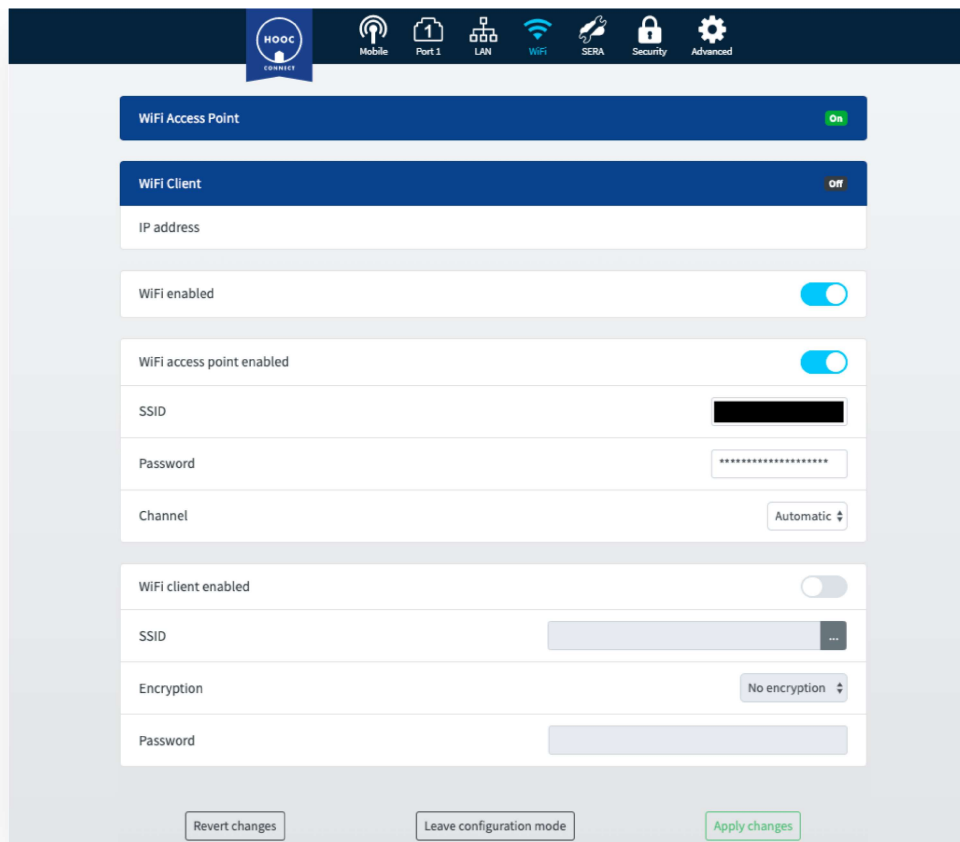
| Field | Value |
|---------------------------|-------------------------------------|
| IP address | 192.168.2.1 |
| Network mask | 255.255.255.0 |
| DHCP server activated | <input checked="" type="checkbox"/> |
| First DHCP client address | 192.168.2.100 |
| Last DHCP client address | 192.168.2.249 |

At the bottom of the configuration area, there are three buttons: "Revert changes", "Leave configuration mode", and "Apply changes".

The **network port 2 is always in the LAN network**. The gateway address of the LAN network can be entered in the "IP Address" field.

The DHCP server in the LAN network is activated only by default and distributes addresses in the range 100-250.

Configuration Wi-Fi



The WiFi can be used as an access point for the LAN network. The **password** corresponds to the **serial number** of the gateway and by default it is **switched off**.

Info

WiFi can be turned on and off by **pressing the WiFi button (front panel device) briefly** when the device is not in configuration mode.

The Wi-Fi module provides an access point. The access point uses the LAN network. The **password** is the same as the **serial number** of the gateway at delivery and is turned on.

Info

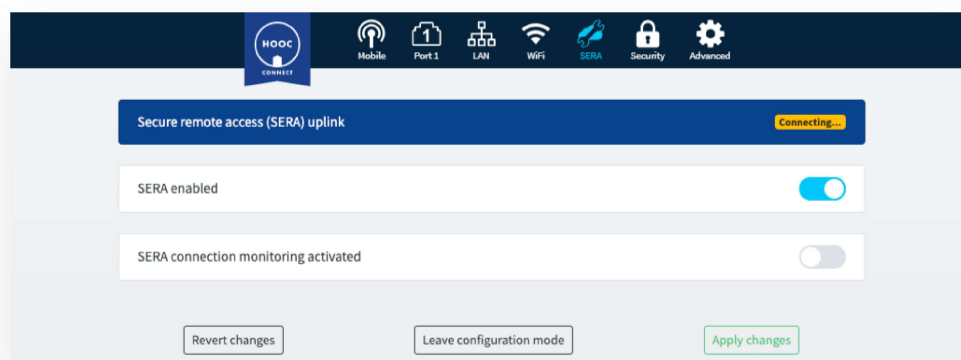
The Wi-Fi access point can be turned **on and off** by **briefly pressing** the Wi-Fi button (front panel device), if the device is not in configuration mode and the “*WiFi enabled*” option is set.

Furthermore, the Wi-Fi module (**from firmware 3.0.0**) offers the possibility to use a Wi-Fi client. Thus the connection to the Internet can also be made via Wi-Fi.

Warning

The Wi-Fi module provides only one channel. If you are using the Wi-Fi client and it is not to the configured SSID (network), the Wi-Fi access point will not work either.

SERA Settings



SERA can be activated or deactivated here.

The connection to the HOOC-Cloud can be enabled or disabled. Further, when you switch on the Option “*SERA connection monitoring activated*” monitors the connection to the HOOC-Cloud. If more than 4 hours no connection to the HOOC-Cloud can be established, the device is restarted.

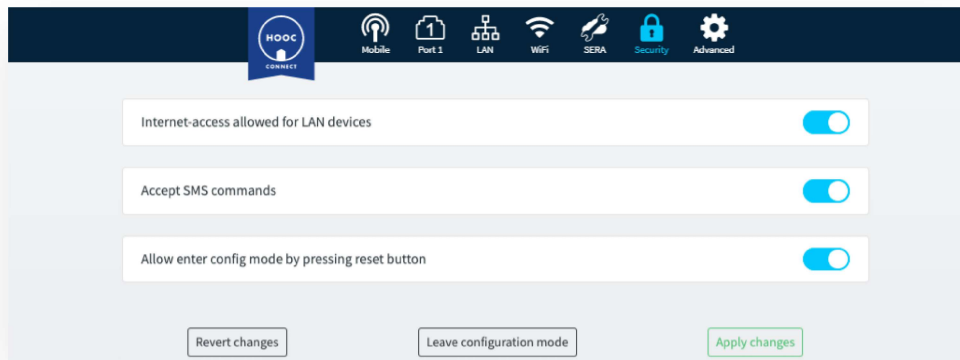
Warning

Deactivating will prevent the HOOC Gateway to connect to the HOOC Cloud and the services of HOOC will no longer be usable.

Info

The command to activate or deactivate SERA can also be given by means of an encrypted SMS message.

Security Settings



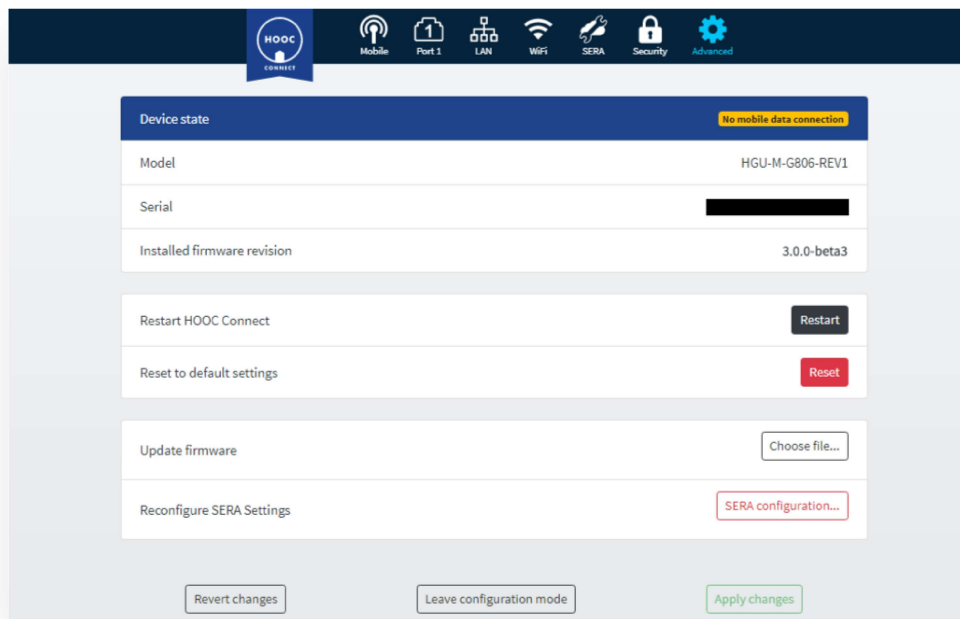
The setting *“Internet-access allowed for LAN devices”* allows you to allow connections from devices from the LAN network to the Internet.

When the *“Accept SMS commands”* **is deactivated** SERA can **NOT** be reactivated via encrypted SMS message!

When deactivating the setting *“Allow enter config mode by pressing reset button”*, the configuration mode cannot be more can be activated with the reset button **(local)**. The activation of the configuration mode can only be done with an activation code take place. Thus, persons without access authorization to the *site* cannot reconfigure the device.

Advanced Settings

The advanced settings shows the device status and the device information.



Restart HOOC Connect

The device can be rebooted by clicking on the **Restart** element without interrupting the power supply.

Reset to default settings

Clicking on the **Reset** element resets the device to the factory settings.

Firmware update

HOOC recommends regular updates of the firmware. The firmware can be downloaded from the [HOOC Management Portal](#) at the corresponding site under the menu **HOOC Gateway -> Configuration**.

Warning

Follow the instructions in the configuration tool and **make sure that the power is not interrupted during the upgrade process!**

