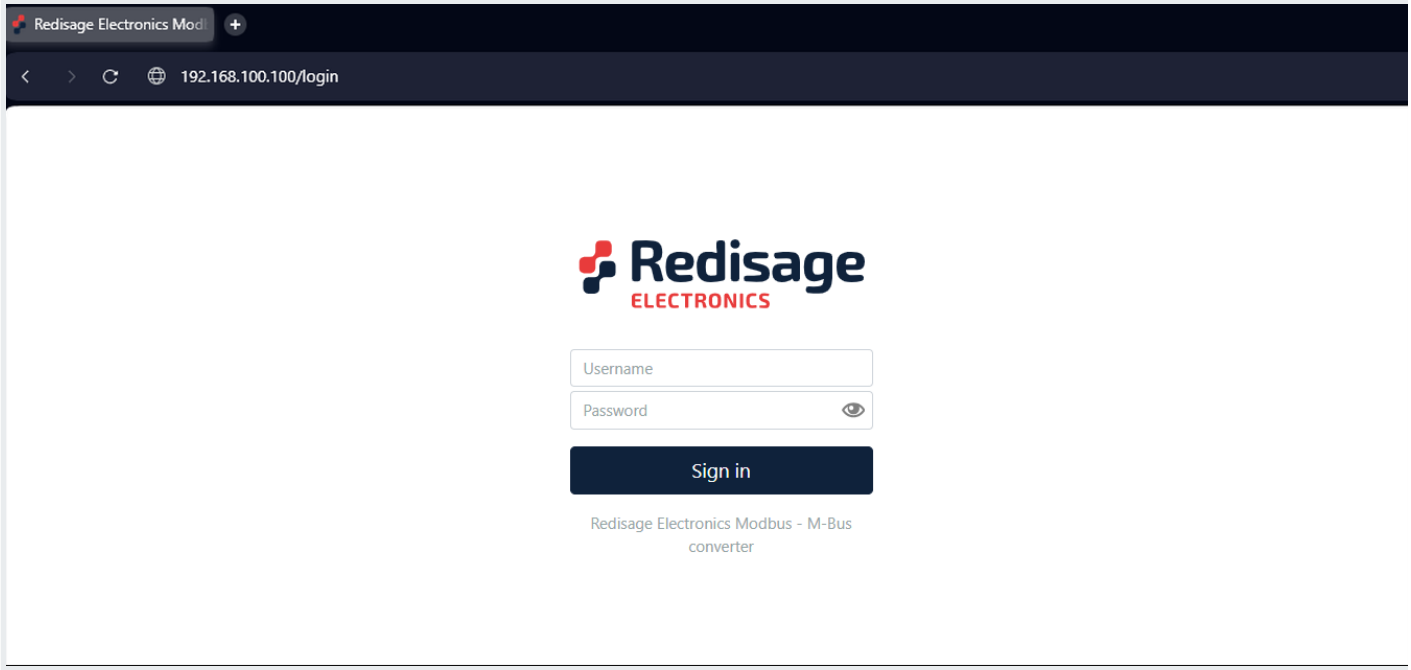
Configuration by the Web Page

Modbus TCP/RTU M-bus Gateways (G20, G30)

This page presents capabilities of the Converters configuration. First, make sure that the converter is connected to the power supply and to the LAN using a patchcord or wireless via Wi-Fi. If the device has no static IP set up, it will be necessary to obtain its IP address in the local network. User interface is mostly similar for all gateways, but some subpages might be different for several models depending on amount of interfaces. In order to avoid issues, click on a “Help” button in the top right corner on every page.

Login

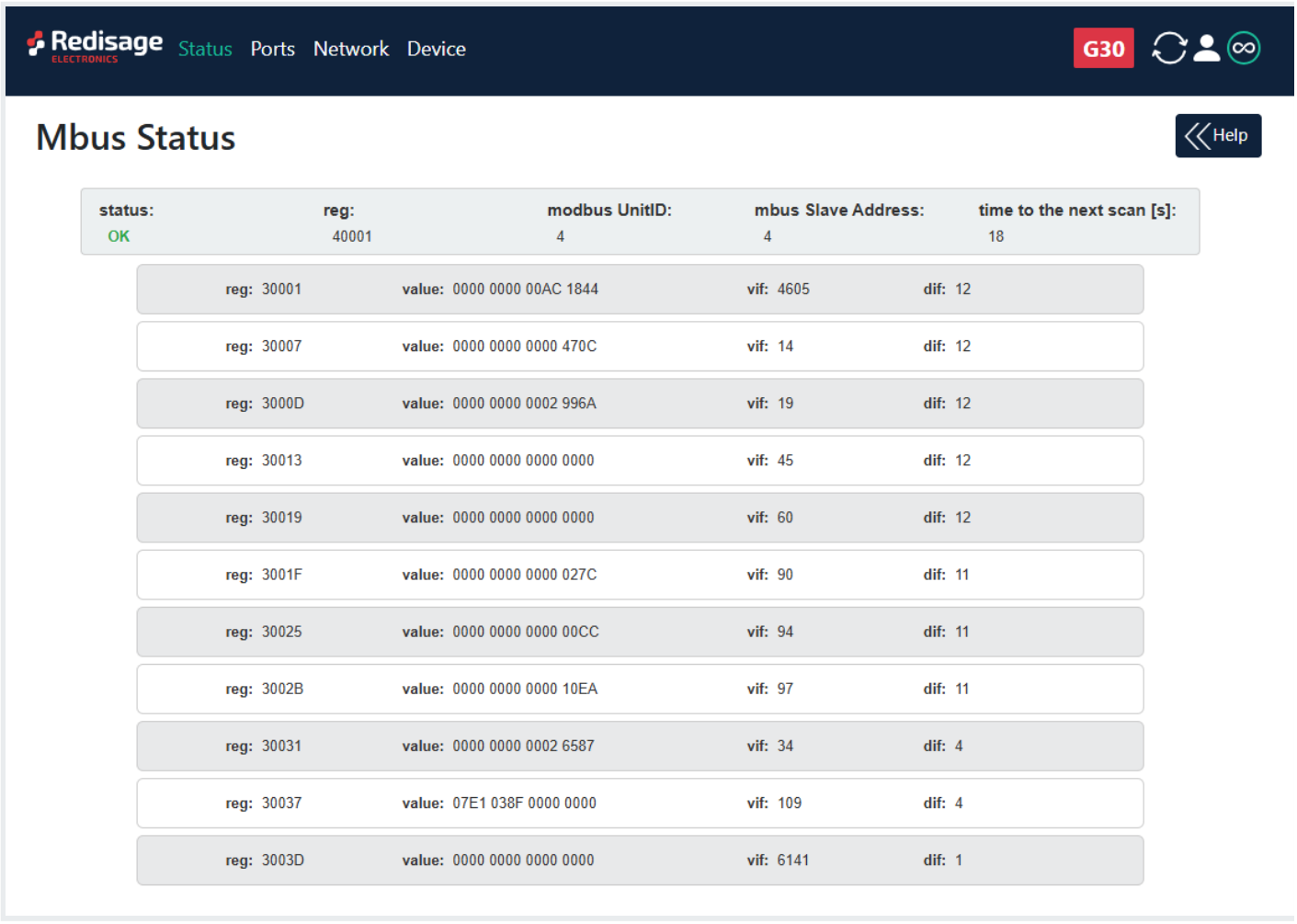
To access the web page, open the browser, type the device’s IP address of the converter (default is **192.168.100.100**). Then log in using user’s personal credentials. If it is a first configuration or the converter had a factory reset, use default login details (login: **admin**, password: **admin123**).



> The configuration is available only if devices are connected to the same Local Area Network as the computer used for it.

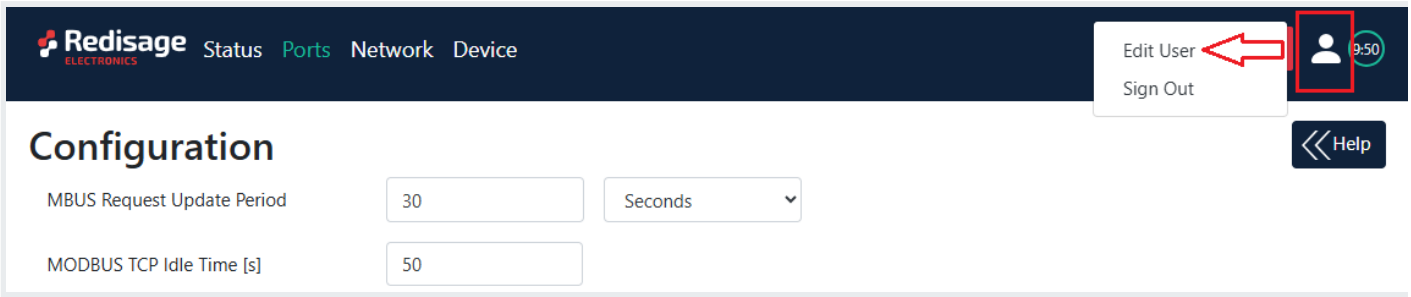
Status page

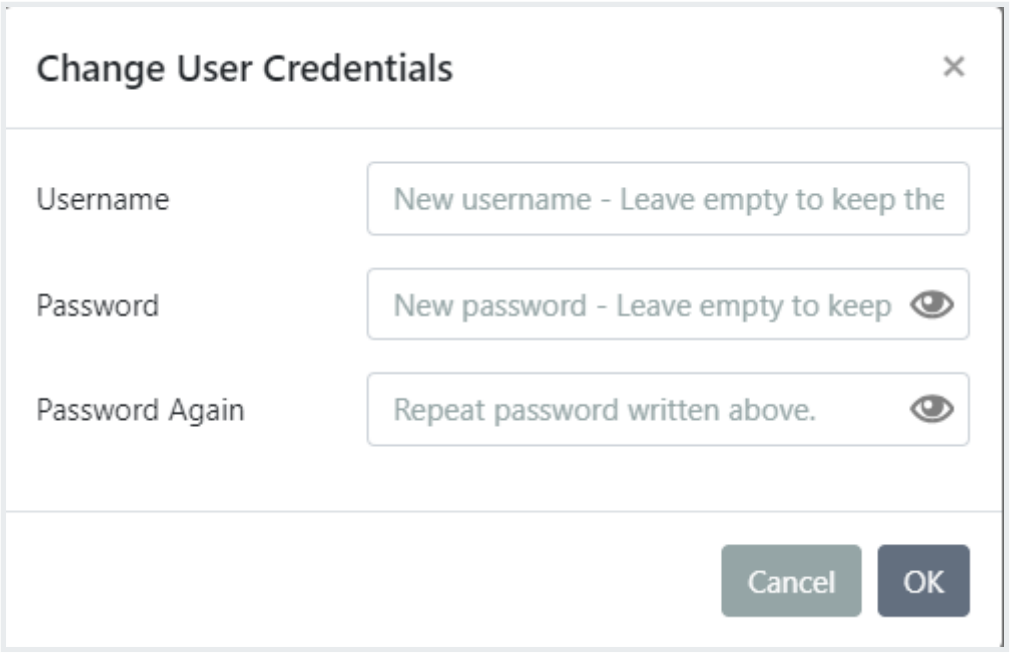
After a successful login, there should be an insight to a list of available connections. If there is more than one connection, it is possible to sort them by ID, timestamp or status.



Changing username or password

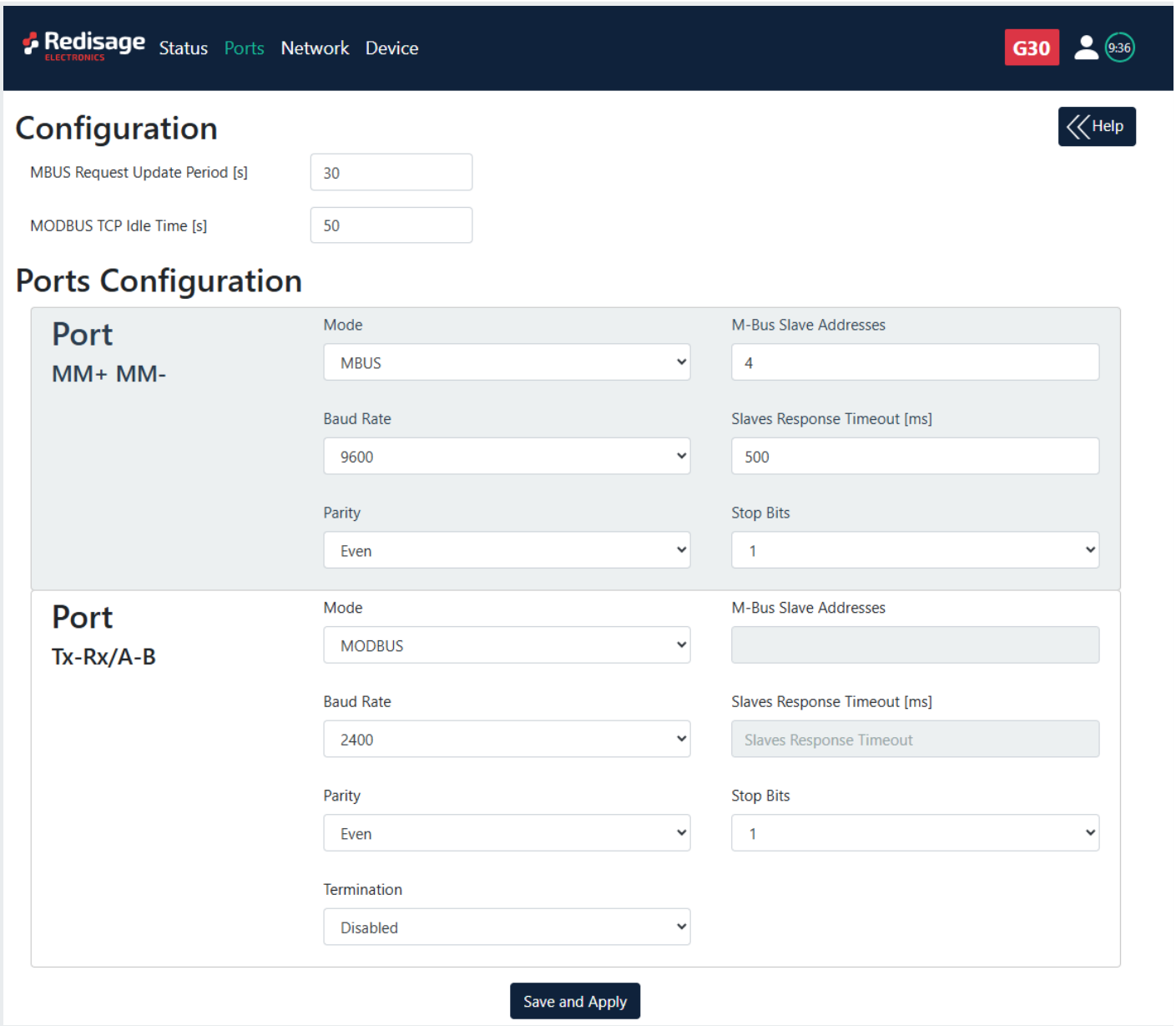
After clicking “Edit User” under the user icon, it is possible to change the username or the password.





If login details were forgotten, it would be necessary to do a factory reset via a USB/UART converter and a serial console.

Ports configuration



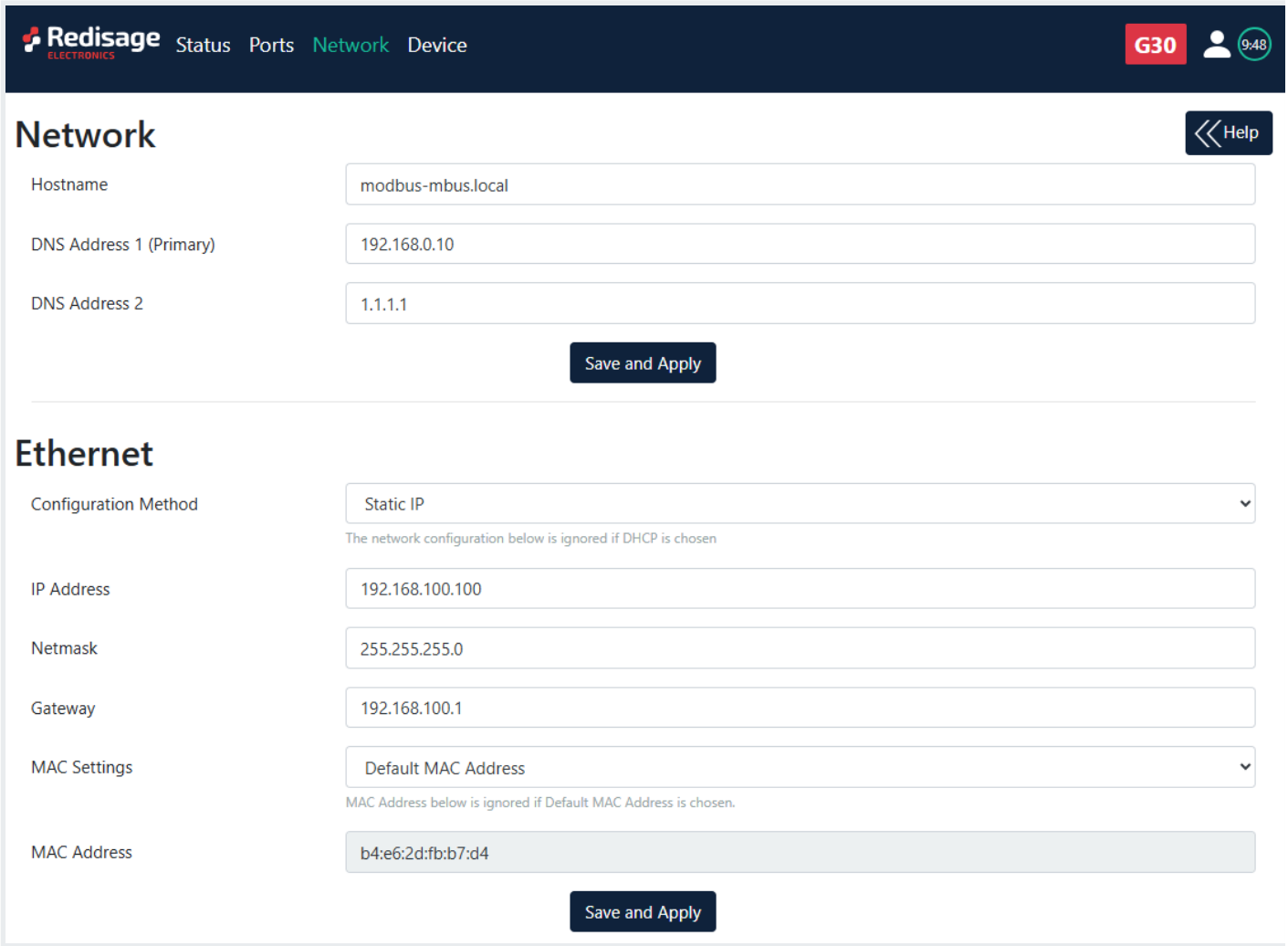
Item		Description
MBUS Request Update Period		Choose M-BUS Request Update period.
MODBUS TCP Idle Time		Choose Modbus TCP Idle Time.
Mode	MBUS	Switch device's mode to M-Bus.
	MODBUS	Switch device's mode to Modbus slave.
Slaves		Type slave device address. Multiple addresses can be written in one field, e.g. *9;11;14-17;80*.

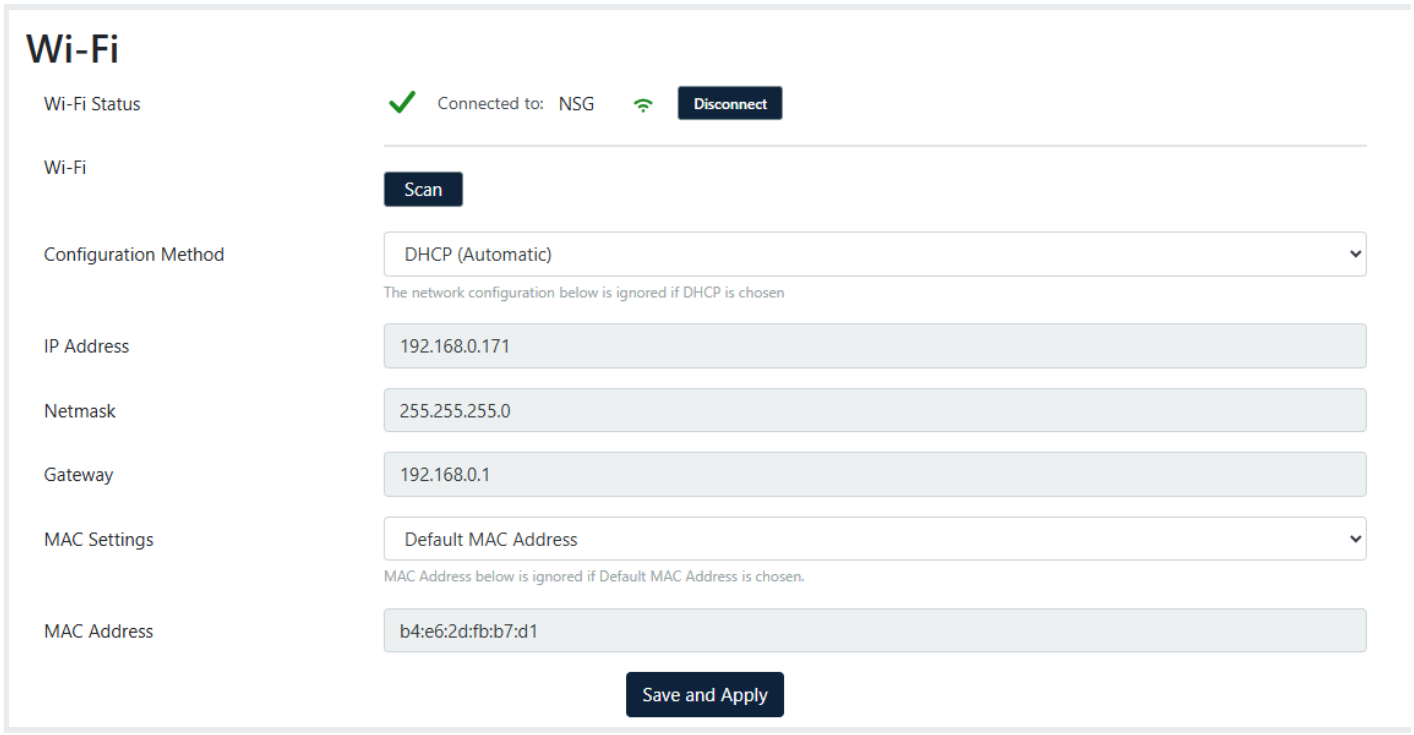
Item	Description
Slaves Response Timeout	Type slave devices response timeout.
Baud Rate	Choose baud rate.
Parity	Type of parity.
Stop Bits	Number of stop bits.
Termination	Enable RS termination.

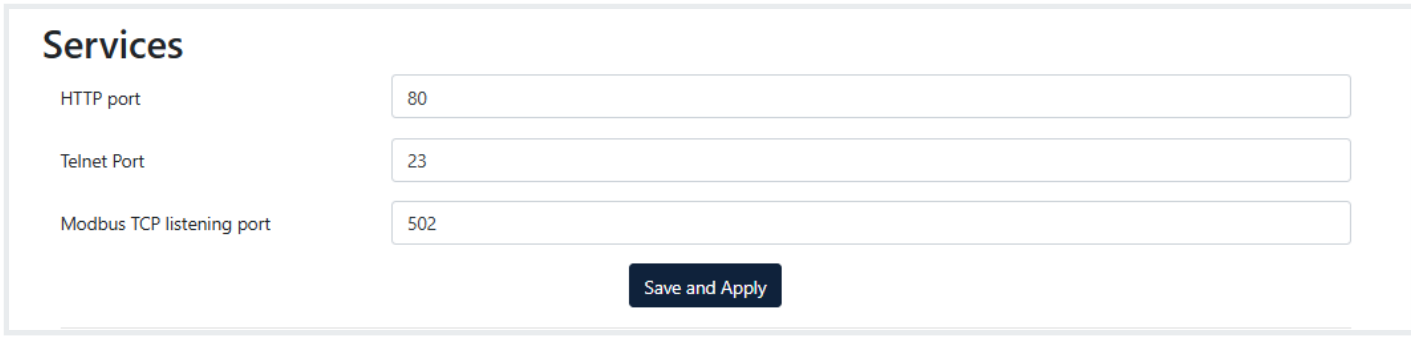
> Make sure to save all the changes with “Save and Apply” button located on the bottom of the page.

Network settings

In this section, network settings can be changed according to target LAN parameters.







Item	Description
Hostname	Label that is assigned to the device.
Configuration Method	Enable/disable the DHCP server. If the DHCP server is disabled, the IP address of the device has to be set manually.
IP Address	IP address of the device.
Netmask	Netmask associated with the IP address.
Gateway	Gateway address currently used by the device.
DNS Address	Domain Name System used by the device.
MAC Settings	Allow setting the default MAC address or typing it manually.

Item	Description
MAC Address	Allow changing the physical address of the device.
Wi-Fi (**G30 only**)	Scan and choose your network. Click on chosen and type password.
HTTP Port	Determine the port of the control panel.
Telnet Port	Allow connection with the device via Telnet.
Modbus TCP Listening Port	Used as an entry point for new Modbus TCP connections.

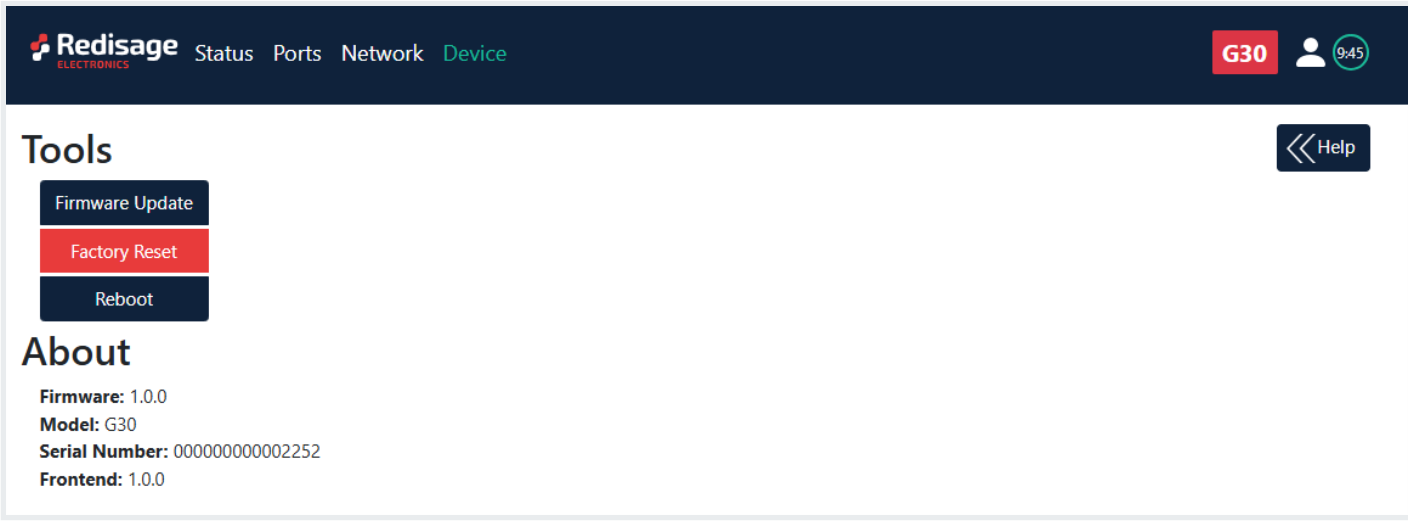
It is possible to obtain dynamic IP address. Just switch configuration method from static IP to DHCP (automatic). This process may cause some issues with identifying converters in LAN unless there is access to the device which is responsible for allocating IP addresses.

Keep in mind that in case of changed IP address, user needs to type new IP in the address bar and log in again.

> Make sure to save all the changes with “Save and Apply” button located on the bottom of the page.

Device page

On the device page there are tools used to a firmware update, a factory reset and a device reboot. There are also some information about the device.

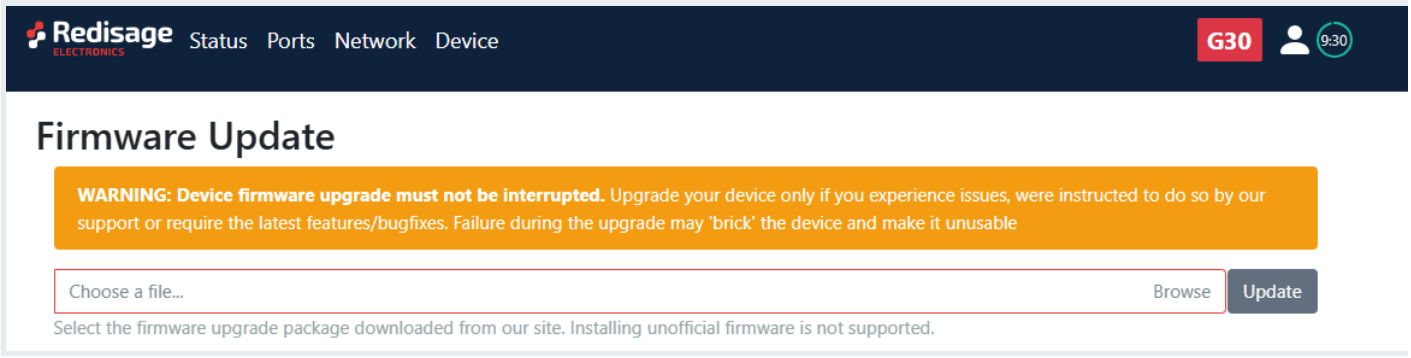


Item	Description
Firmware Update	Update firmware.
Factory Reset	Restore default ports settings and default network configuration.

Item	Description
Reboot	Reboot the device.
About	Basic information about the device.

Firmware update

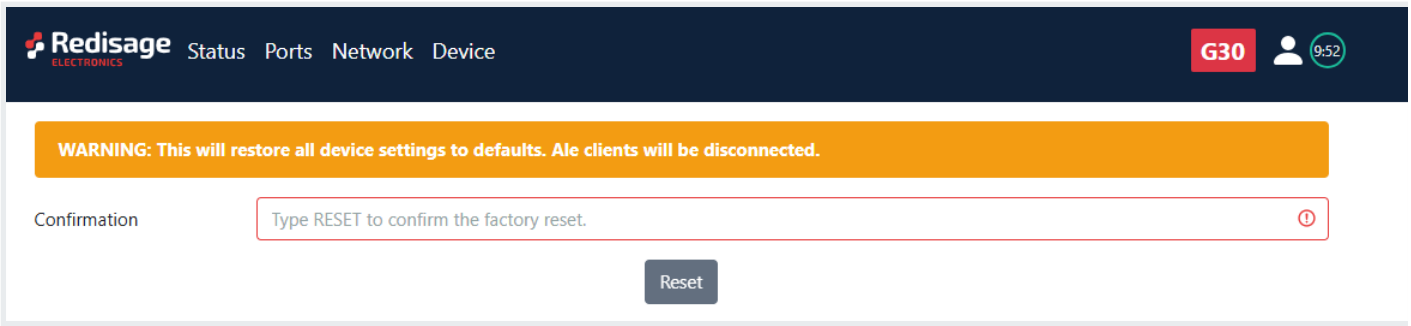
The device firmware update must not be interrupted. Update the device only if experiencing issues, being instructed to do so by our support or requiring the latest features/bugfixes. Failure during the update may 'brick' the device and make it unusable.



> Use the **modbus-mbus-mcu-esp32.fir** file for a firmware update.

Factory reset

To restore default settings, press the red button. After that, user will be asked to type “RESET”. Then it will take a few seconds to reload the web page and restart the device. After reset, use default login details (login: **admin**, password: **admin123;** default IP: **192.168.100.100**).



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