**Manuals+** — User Manuals Simplified.



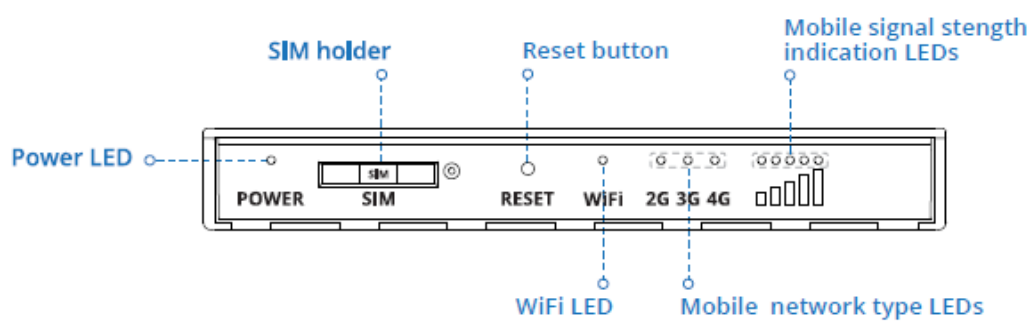# TELTONIKA RUT850 Networks Wiki User Guide

**Contents**

**TELTONIKA RUT850 Networks Wiki**

## Product Overview

### FRONT VIEW



### BACK VIEW

Power socket

GPS antenna connector

Mobile AUX antenna connector

Mobile MAIN antenna connector

## POWER SOCKET PINOUT



Not connected / White wire

Ground / Black wire

Ignition / Green wire

Power / Red wire
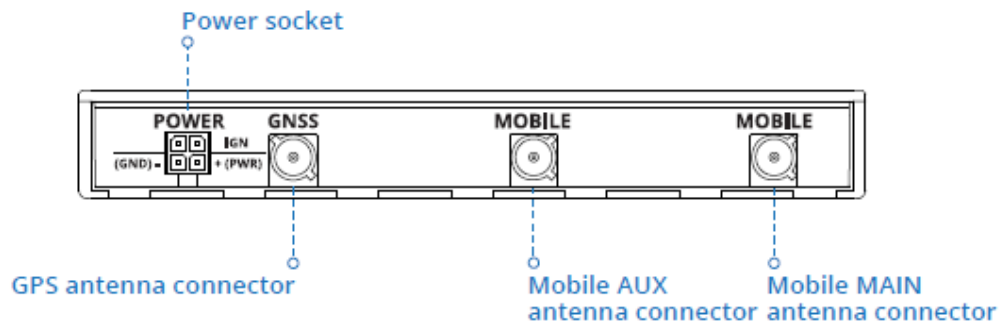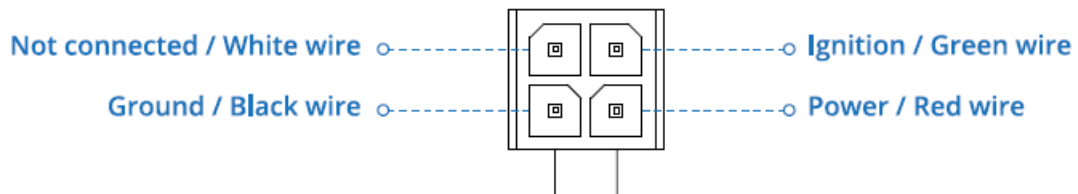
## HARDWARE INSTALLATION

1. Push the SIM holder button with the SIM needle.
2. Pull out the SIM holder.
3. Insert your SIM card into the SIM holder.
4. Slide the SIM holder back into the router.
5. Attach all antennas.
6. Connect the power adapter to the socket on the front of the device. Then plug the other end of the power adapter into a power outlet.
7. Connect to the device wirelessly using SSID and password provided on the device information label.
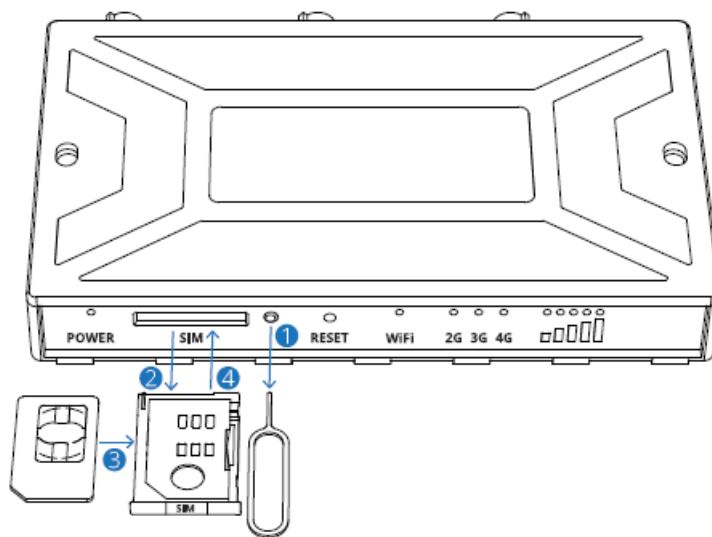


## LOGIN TO DEVICE

1. To enter the router's Web interface (WebUI), type http://192.168.1.1 into the URL field of your Internet browser.
2. Use login information shown in image A when prompted for authentication.

3. After you login, you will be prompted to change your password for security reasons. The new password must contain at least 8 characters, including at least one uppercase letter, one lowercase letter and one digit. This step is mandatory and you will not be able to interact with the router's WebUI before you change the password.

4. When you change the router's password, the Configuration Wizard will start. The Configuration Wizard is a tool used to setup some of the router's main operating parameters.

5. Go to the Overview page and pay attention to the Signal Strength indication (image B). To maximize the cellular performance try adjusting the antennas or changing the location of your device to achieve the best signal conditions.

A.


B.


## TECHNICAL INFORMATION

| Radio specifications | |
| --- | --- |
| RF technologies | 2G, 3G, 4G, WiFi, GNSS |
| Max RF power | 33 dBm@GSM, 24 dBm@WCDMA, 23 dBm@LTE, 20 dBm@ WiFi |
| Bundled accessories specifications* | |
| Power adapter | Input: 0.4A@100-240VAC, Output: 9VDC, 1A, 4-pin plug |
| Mobile antenna | 690/900/1800/1900/2100/2700 MHz, 50 Ω, VSWR < 3.2, gain** 3.5 dBi, omnidi rectional, FAKRA D female connector |
| GNSS antenna | 1575.42~1602 MHz, 2.2-5 VDC, VSWR < 1.5, active total gain** 26 dB (typ.), R HCP polarization, FAKRA C female connector |

Order code dependent.
Higher gain antenna can be connected to compensate for cable attenuation when a cable is used. The user is responsible for the compliance with the legal regulations.

**SAFETY INFORMATION**
RUT850 router must be used in compliance with any and all applicable national and international laws and with any special restrictions regulating the utilization of the communication module in prescribed applications and environments.
Hereby, TELTONIKA declares that this RUT850 is in compliance with the essential requirements and other relevant provisions of Directive CE/RED.
The full text of the EU declaration of conformity is available at the following internet address:
**https://wiki.teltonika-networks.com/view/RUT850_CE/RED**
**Instruction Manual:** Connect the power adapter to turn on the device. Open 192.168.1.1 in your web browser to configure it. More information on
**https://wiki.teltonika-networks.com/**
For more information visit **www.teltonika-networks.com**
This sign means that all used electronic and electric equipment should not be mixed with general household waste.
This sign means that product meets the requirements of the applicable EU directives.

## Documents / Resources

| | |
|---|---|
| RUT850<br>Quick Start Guide v2.2 | **[TELTONIKA RUT850 Networks Wiki](#)** [pdf] User Guide<br>RUT850 Networks Wiki, RUT850, Networks Wiki, RUT850 Wiki, Networks, Wiki |

## References

- **[Teltonika Networks - LTE Routers, Gateways & Modems for IoT](#)**
- **[wiki.teltonika-networks.com/](#)**
- **[wiki.teltonika-networks.com/view/RUT850_CE/RED](#)**