RUT850 Automotive Router

Quick start guide v10.0

Front view

1. Power LED
2. SIM holder
3. Reset button
4. WiFi LED
5. Mobile network type LEDs
6. Mobile signal strength indication LEDs

Back view

1. Power socket
2. GPS antenna connector
3. LTE antenna connectors

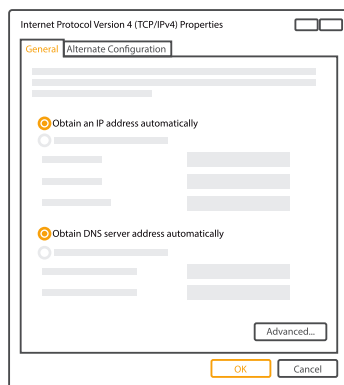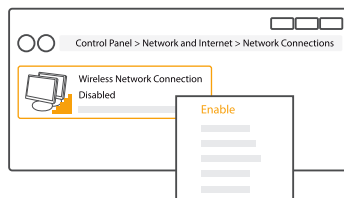| Power socket pinout		
No.	Description	Wire color
1	Not connected	White
2	Ignition	Green
3	Ground	Black
4	Power	Red

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.
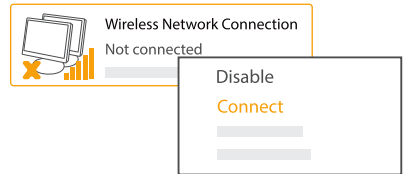4. Slide the SIM holder back into the router.

5. Attach LTE and GPS antennas.
6. Connect the power adapter to the socket on the back of the device. Then plug the other end of the power adapter into the power socket.
7. Connect to the device wirelessly (SSID: RUT850_001E42****** (unique to each device)).

Configure your computer (Windows)
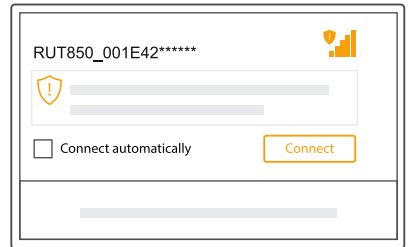
1. Enable the wireless network connection (go to Start > Control Panel > Network and Internet > Network and Sharing Center. In the left panel click Change adapter settings link. Right click on Wireless Network Connection and select Enable).

2. Setup wireless network adapter on your computer (right click on Wireless Network Connection and select Properties. After that select Internet Protocol Version 4 (TCP/IP) and click Properties).

3. Select Obtain IP address automatically and Obtain DNS server address automatically if they are not selected. Click OK.

4. Right click on Wireless Network Connection and select Connect to see available wireless networks.

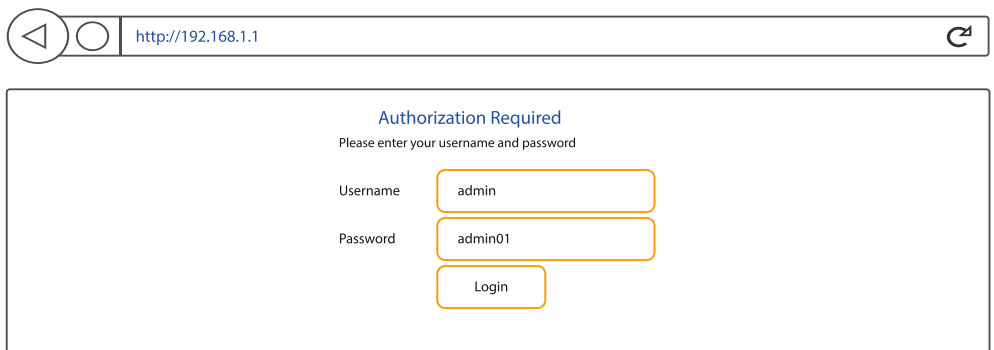Wireless Network Connection
Not connected

Disable
Connect

5. Choose the wireless network RUT850_001E42 ****** from the list and click Connect.

RUT850_001E42******

☐ Connect automatically   Connect

Login to device

1. To enter routers Web interface type http://192.168.1.1 in your internet browser.
2. Use the following parameters when prompted for authentication:

http://192.168.1.1

Authorization Required
Please enter your username and password

Username   admin

Password   admin01

Login

3. Configuration Wizard will start after logging in. It is necessary to complete Configuration Wizard to setup router to correct mode. You can leave default settings but it is strongly recommended that you change the password and enable Wireless Security.
4. Go to Status > Network information and pay attention to Signal Strength. To maximize the performance try adjusting antennas or changing location of your device to achieve best signal conditions.

Login to device

Mobile	WAN	Wireless	Topology	Access

Mobile Information

Mobile

Data connection state	Connected
IMEI	868323023148973
IMSI	246021004265840
Sim card state	Ready
Signal strength	-79 dBm

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.

Specifications	
Software	RUT850_R_XX.XX.XXX
Frequency bands*	EEE802.11b/g/n 2400 MHZ, GSM/3G/4G, UMTS/HSPA+
Max. RF power	20 dBm@WiFi, 33 dBm@GSM/GPRS/EDGE, 24 dBm@LTE/WCDMA
Representative accessories specifications	
Power	AC/DC power adapter 9 V 1 A or Cigarette plug socket or 12/24 V battery, 4 pin plug
GSM/WCDMA/LTE antenna	703-960/1710-1990/2110-2170/2500-2690 MHz, 50 Ω, VSWR ≤ 2, gain** 1 dBi, omnidirectional, vertical polarization, Fakra-D plug
GPS antenna	1561-1615 MHz, DC 3.3 V, VSWR ≤ 2, active total gain** 18 dBi (typ.), linear polarization, Fakra-C plug

* Supported frequency bands are dependent on geographical location and may not be available in all markets.

** If an extension cable is used to attach the antenna, the antenna gain may be higher by the amount of cable attenuation. The user is responsible for the compliance with the legal regulations.

This sign on the package means that it is necessary to read the Users Manual before you start using the device.

This sign on the package means that all used electronic and electric equipment should not be mixed with general household waste.

Hereby, Teltonika declares that the radio equipment type RUT850 is in compliance with Directives: 2014/53/EU, 2014/35/EU, 2014/30/EU. The full text of the EU declaration of conformity is available at the following internet address: http://teltonika.lt/product/rut850/