

TELTONIKA RUT950 PROCEDURE – TELSTRA.CORP SETUP, CONNECTED VIA ETHERNET CABLE

Document Properties

Author: Douglas Pukallus

Contact: doug.pukallus@telcoantennas.com.au

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Control: External

Scope

This guide covers basic configuration steps for a Teltonika RUT950 to operate with a Telstra Corporate SIM card, that is, a SIM provisioned with GPCORPB3 helpdesk code. As the RUT950 is an industrial modem this guide assumes an audience with general IT skills.

Prerequisites

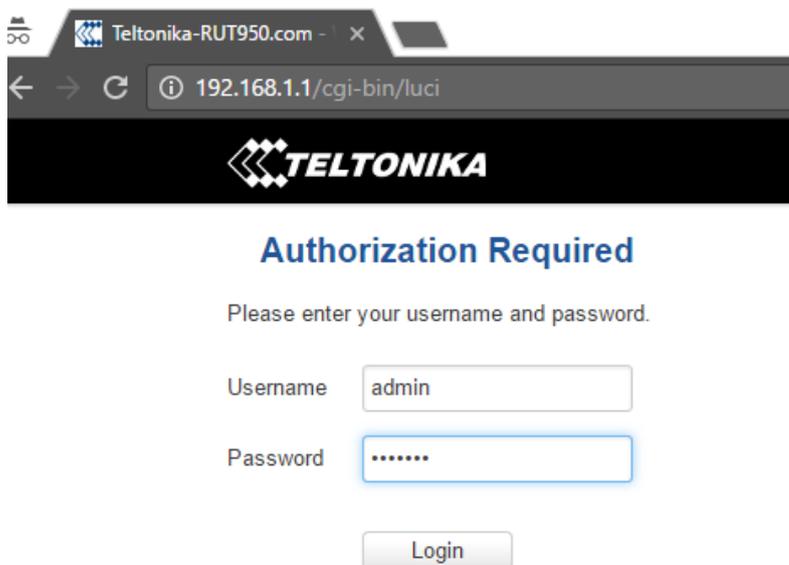
- Basic IT skills
- SIM card has been inserted into SIM1 slot
- RUT950 connected to computer via Ethernet cable
- Web browser (Firefox, Chrome, Safari, etc.)
- Ethernet adapter set on DHCP (Automatically obtain IP)
- No other connections active (WiFi turned off, etc.)

General Notes

For users who often access devices at 192.168.1.1, you may find your browser will attempt to autocomplete the URL. To avoid autocomplete and caching issues it may be helpful to use your browser's Incognito Mode.

Procedure

1. Open web browser and type 192.168.1.1 into search bar. Log in using default username and password of "admin", and password "admin01" (no quotation marks). This will take you to the Status Overview page.



The screenshot shows a web browser window with the following details:

- Browser tab: Teltonika-RUT950.com
- Address bar: 192.168.1.1/cgi-bin/luci
- Page header: TELTONIKA logo
- Section title: Authorization Required
- Text: Please enter your username and password.
- Username field: admin
- Password field: masked with dots
- Login button: Login

You haven't changed the default password for this router. To change router password [click here](#).

Overview

System <i>i</i> <i>⊗</i> Router uptime: 0d 0h 0m 59s (since 2016-10-10, 13:10:58) Local device time: 2016-10-10, 13:11:57 Free memory: 87 MB (70%) RAM, 5.6 MB (93%) FLASH Firmware version: TEST_RUT9XX_R_00.02.715 CPU load: 16.7%	Mobile <i>i</i> <i>⊗</i> Data connection: Disconnected State: Unregistered SIM card slot in use: SIM 1 (Ready) Bytes received/sent *: 0 B / 188 B Signal strength: -71 dBm
Wireless <i>i</i> <i>⊗</i> ON <i>📶</i> SSID: Teltonika_Router (AP) Mode: 1- AP; 11 CH (2.462 GHz)	WAN <i>i</i> <i>⊗</i> Wired <i>🌐</i> IP address: N/A Backup WAN status: Backup link is disabled

2. Using top menu, hover over Network, and drop down to WAN

TELTONIKA Status Network Services System Logout

You haven't changed the default password for this router. To change router password [click here](#).

WAN

Your WAN configuration determines how the router connects to the internet.

Operation Mode

Main WAN	Backup WAN	Name	Protocol	IP Address	Sort	
<input checked="" type="radio"/>	<input type="checkbox"/>	Mobile (WAN)	DHCP	-		Edit
<input type="radio"/>	<input type="checkbox"/>	Wired (WAN2)	DHCP	-	↑ ↓	Edit
<input type="radio"/>	<input type="checkbox"/>	WiFi (WAN3)	DHCP	-	↑ ↓	Edit

Save

- Under WAN, click the Edit button next to Mobile (WAN)

The screenshot shows the Teltonika web interface. At the top is a black navigation bar with the Teltonika logo and menu items: Status, Network, Services, and System. A red banner below the navigation bar contains the text: "You haven't changed the default password for this router. To change router password click here." Below the banner is the "WAN" section header, followed by the text: "Your WAN configuration determines how the router will be connecting to the internet." Underneath is a "Common Configuration" section with two tabs: "General Setup" (selected) and "Advanced Settings". The "General Setup" tab contains the following settings: "Disable NAT" (checkbox, unchecked), "Use broadcast flag" (checkbox, unchecked), "Use default gateway" (checkbox, checked), "Use DNS servers advertised by peer" (checkbox, checked), "Use gateway metric" (input field, value 0), "Client ID to send when requesting DHCP" (input field, empty), "Vendor class to send when requesting DHCP" (input field, empty), and "Override MTU" (input field, value 1500).

- Under Common Configuration, select the Advanced Settings Tab. Click the Disable NAT button.

This screenshot is similar to the previous one, showing the Teltonika WAN configuration page. The navigation bar and red banner are identical. The "WAN" section and introductory text are also the same. In the "Common Configuration" section, the "Advanced Settings" tab is now selected. The "General Setup" tab is still visible but not active. The settings in the "Advanced Settings" tab are: "Disable NAT" (checkbox, checked), "Use broadcast flag" (checkbox, unchecked), "Use default gateway" (checkbox, checked), "Use DNS servers advertised by peer" (checkbox, checked), "Use gateway metric" (input field, value 0), "Client ID to send when requesting DHCP" (input field, empty), "Vendor class to send when requesting DHCP" (input field, empty), and "Override MTU" (input field, value 1500).

5. Navigate to Network -> Mobile tab to set the APN

TELTONIKA Status Network Services System Logout

You haven't changed the default password. [Change router password click here.](#)

General SIM Management Network Mobile Data Limit SIM Idle Protection

Mobile Configuration

Mobile Configuration

SIM 1 SIM 2

Connection type NDIS

Mode NAT

APN

PIN number

Dialing number *99#

Authentication method None

Service mode Automatic

6. Set APN, Authentication method, and username & password provided by your Telstra Account Manager. Leave all other settings as they are. Hit save, and allow the modem to restart the connection. A reboot may be necessary depending on firmware version.

Mobile Configuration

Mobile Configuration

SIM 1 SIM 2

Connection type NDIS

Mode NAT

APN Telstra.Corp

PIN number

Dialing number *99#

Authentication method CHAP

Username user@yourdomain.com

Password

Service mode Automatic

Deny data roaming

- 7. It may be necessary to set your DHCP address space, and modem IP address depending on your individual configuration.
- 8. Firewall must be set to Forward Accept to in effect 'disable' the firewall – as the Telstra IPWAN service is internal there are no security concerns related.

The screenshot shows the Teltonika router configuration interface. At the top, there is a navigation bar with 'Status', 'Network', 'Services', and 'System' menus, and a 'Logout' button. A red banner below the navigation bar states: 'You haven't changed the default password for this router. To change router password click here.' Below this is a tabbed interface with 'General Settings', 'Port Forwarding', 'Traffic Rules', 'Custom Rules', 'DDOS Prevention', and 'Port Scan Prevention'. The 'Firewall' section is active, showing 'General Settings' for the firewall policy. The 'Drop invalid packets' checkbox is unchecked. The 'Input' and 'Output' dropdown menus are set to 'Accept'. The 'Forward' dropdown menu is open, showing options 'Reject', 'Drop', and 'Accept', with 'Accept' selected. Below this is the 'DMZ Configuration' section, which includes an 'Enable' checkbox (unchecked) and a 'DMZ host IP address' text input field. A 'Save' button is located at the bottom right of the configuration area.

- 9. Traffic Rules must be amended to allow passthrough traffic.

The screenshot shows a table of traffic rules. The first rule is 'Allow-passthrough-traffic'. The 'Action' column is set to 'Accept forward' with a checkmark icon. The 'Source' is 'All' and the 'Destination' is 'From any host in wan To any host in lan'. To the right of the rule are 'Edit' and 'Delete' buttons, and a vertical scroll bar.

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