

RUT240 Firmware Downloads

From Wiki Knowledge Base | Teltonika Networks

This is the approved revision of this page, as well as being the most recent.

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This page contains various firmware versions for RUT2xx devices.

Note: packages for Package Manager are independent from firmware and can be downloaded in the Package Downloads page.

Firmware	Version	Changelog
Latest FW*	RUT2XX_R_00.01.12.3	2020.06.15
Factory FW**	RUT2XX_R_00.01.12.2	2020.05.08

* **Latest FW** - firmware candidate for release. This version will usually contain some new features and/or improvements (described in the Change log section of this article) but it hasn't been fully tested and approved by Teltonika's testing and technical support units. If **Latest** is the same version as **Factory** - it just means that no newer firmware than a **Factory** version is publicly available.

** **Factory FW** - firmware used in mass production.

FW checksums

A list of firmware checksums for RUT2xx firmwares uploaded in this page: [checksum list](#)

Change Log

RUT2XX_R_00.01.12.3 | 2020.06.15

- Improvements:
 - Improved RMS connection establishment

RUT2XX_R_00.01.12.2 | 2020.05.08

- Fixes:
 - Fixed Verizon operator APN configuration

RUT2XX_R_00.01.12.1 | 2020.04.09

- Fixes:
 - Fixed AT&T operator APN

RUT2XX_R_00.01.12 | 2020.03.24

- New features:
 - Added sms remote configuration option
 - Added "Enable HTTPS" option in "Access Control" page
 - Added network frequency band select support for EG25-G modem
 - Added additional service mode options to setup wizard
 - Added Japanese language support
 - Added TLS support to MQTT publisher
 - Added mqtt subscriber support
 - MQTT-Modbus gateway: add MQTT-Modbus gateway support
 - Added ability to install packages stored in backup file
 - Full Unicode SMS support
 - Added time sync from operator station

- Added ntpclient failover to operator station sync
- Improvements:
 - Removed wep encryption from WiFi settings
 - Added profile scheduler and default configuration profile
- Fixes:
 - Fixed TR-069 wan type value
 - removed GRE tunnel option in Events reporting
 - Removed config update from server option
 - Fixed to display the same units of download and upload speeds in the Hotspot settings.
 - Fixed not showing Hotspot users upload/download statistics
 - Added ability to write hyphens to static lease hostname.
 - Fixed RAM usage display
 - Fixed password change URL after firstboot
 - Removed change password error message after firstboot
 - Fixed Web access Control via SMS Utilities
 - Fixed signal strength logging and reporting

RUT2XX_R_00.01.11.3 | 2019.12.04

- Fixes:
 - Fixed RMS not displaying data when using WiFi
 - Fixed RMS not displaying WAN IP with WAN failover

RUT2XX_R_00.01.11.2 | 2019.11.12

- Fixes:
 - TR-069 WAN type value fix
 - RMS batch number instead of product code bug fix
 - Added missing HMAC options and PKCS12 support to OpenVPN

- New features:
 - Auto APN
 - SMS Utilities Auto APN toggling
 - Operators control & support for JioAPN
 - Package Manager
 - RMS wireless monitoring
 - Port based VLAN configuration
 - I/O power socket pinout image
 - VRRP advertisement interval option
- Improvements:
 - UPnP updated to version 2.1
 - SIM switching optimizations
 - Faster SSH private key generation on first boot
 - Added network, serving and neighbor cell information to Troubleshoot files
- Fixes:
 - Wget Reboot minimal interval for action 'reboot' added
 - Ping Reboot packet size 0 fix
 - Modbus WebUI fixes
 - Modbus WiFi/Mobile on/off fix
 - SMS Utilities table validation fix
 - SMS Utilities UCI API fixes
 - SMS Utilities SMS response status fix
 - SMS-Utilities WiFi/Mobile on/off fix
 - Clarified WebUI options for SMS Forwarding
 - Hotspot Statistics tab shows incorrect information fix
 - Hotspot session name validation fix

- Hotspot landing page file upload limits increased
- Fixed MAC address clone configuration
- Fixed sessions table dependency on authentication mode
- Events log network type logging on modem service restart fix
- Events Reporting typos that prevented rules being matched fixes
- WAN Failover option disappearing after language change fix
- Removed unnecessary fix_sta_ap.sh from syslog messages
- Removed OpenVPN converting names to hex
- Added file upload limits
- DDNS name validation fix
- Hostname and router name after backup upload fix
- Mobile Data Limit firewall rule init fix
- Added missing password validation
- Fixed default VRRP config to follow RFC 2338
- Changed packages names in Package Manager
- Input/Output label & functionality fixes
- FOTA memory calculation fix
- Removed "Site Survey" page

RUT2XX_R_00.01.10 | 2019.07.12

- New features:
 - New flash validation added
- Improvements
 - Added reply after mobileon and mobileoff SMS Utilities commands
- Fixes:
 - Firmware upgrade with keep settings fix
 - PPTP fix when upgrading firmware with keep settings

- Do not autocomplete non-system passwords fix
- Added validation for 'Service mode' change
- VRRP template fix
- Added validation for user group number format
- SMS Gateway: removed new line add after configuration save
- Added validation to prevent shell command execution via 'name' field in Wake on LAN
- NTP time zone options fix
- MQTT bridge with SSL/TLS connection fix
- 'Use DNS servers advertised by peer' does not save fix
- 'FW update available' fix
- WAN state and IP print fixes

RUT2XX_R_00.01.07.1 | 2019.06.10

- Fixes:
 - Increased RMS HTTP Proxy resource limit

RUT2XX_R_00.01.07 | 2019.05.31

- New features:
 - SNMP: Individual port status added
 - openssl: update to version 1.0.2r
 - dropbear: update to version 2019.78
 - busybox: update to version 1.30.1
 - uci: update to version 2018-08-11
 - ubus: update to version 2018-10-06
 - ubox: update to version 2019-04-07
 - libubox: update to version 2019-02-27
 - MQTT: added MQTT support

- WebUI: add additional band support for EC25
- UPnP: UPnP added
- WebUI: add events reporting and reporting configuration support
- Flash: Add XT25F128B flash support
- Strongswan: Custom option added
- WebUI: upload backup from lower firmware version support

- Fixes:
 - Wireless: Station availability when two or more Access Points are created fix
 - Mobile Graphs: Color and line adjustments
 - WebUI: Overview->Network->Topology: WAN Failover redirection fix
 - Strongswan: Shared-keys fix
 - WebUI: fix input validation issues
 - Mobile traffic: graph fixes
 - WebUI: fix LEDs Indication setting
 - QMI2: set 1st context to IPv4
 - Hotspot: Restrict internet access fix
 - Hotspot: 'Invalid' prompt after deleting session fix
 - IPsec: No shared key validation added
 - Email-to-SMS: longer SMS fix
 - IPsec: Allow WebUI access with HTTPS fix
 - RMS: fixed disable on sysupgrade with keep settings
 - WebUI: LEDs Indication hint text fix
 - IPsec: Fixed NAT rules application for IPsec traffic from WEB interface
 - SMS-Utils: '00XXX' and '+XXX' synonymous numbers fix
 - Wireless: Regulatory domain and channel change fix
 - SMS-Management: Error message after successful SMS send fix
 - Services: SNMP Trap redirection fix
 - Periodic Control: Rule addition in Chromium fix

- Setup Wizard: Dialing number disappearing fix
- WAN: After interface edit, redirect back to main WAN window fix
- SNMP: Teltonika MIB file fix
- rms_mqtt: HTTPs proxy fix
- rms_json: Fixed WAN State and WAN IP
- Wireless: STA connection loss fix
- QoS: Speed limitation fix
- Stunnel: Removed unnecessary WebUI options, added validation.
- Port Scan Prevention: Disable fix
- Port Scan Prevention: Warning message for remote access added
- ledman: fixed led issue when there is no connection
- ledman: fixed led issue when rebooting router with reset button
- Wireless: Channel frequency display fix
- Administration: RMS 'infobox' fix
- Setup Wizard: RMS 'infobox' fix
- Setup Wizard: Validation and redirection fixes
- VRRP: updated to 1.15 version
- LAN: Static leases fix
- Backup: Redirection to 127.0.0.1 after backup load fix
- Network: 'Use WAN as LAN' availability fix
- WebUI: WAN as LAN when using main WAN WIFI fix
- Network: Delete static protocol options after change to DHCP fix
- L2TP and PPTP: updated services

RUT2XX_R_00.01.06.1 | 2019.03.18

- New features:
 - Added 'More' SMS Utilities rule

■ Fixes:

- RMS reconnect issue fix
- Hotspot authentication mode change fix
- Overview widget fixes
- Connection uptime widget fix
- SMS Management inbox read fix
- Wireless scan fix
- SSTP service update
- SMS-Utilities: various functionality fixes
- Restore-Point: Removed the ability to load restore points of a different router
- VLAN: LAN Network configuration backup fix
- Maximum length SMS message send fix
- Long SMS messages stretch out WebUI fix
- Ping Reboot: reboots after service is disabled fix
- Removed warning message when scanning for WiFi STA
- Setup Wizard WiFi channel select custom option remove fix
- Call Utilities: double zero in front of the number fix
- Setup Wizard: you cannot proceed with setup if you disable DHCP fix
- Restore to default percentage counting fix
- WoL: Use WAN as LAN fix
- Network Operators: Typo fix
- Events log: Typo fixes
- Hotspot Statistics: WebUI shows WiFi AP's and STA when they are not a hotspot fix
- Hotspot: configuration saves without advertisement address fix
- WiFi channel frequency display fix
- Mobile Traffic: daily statistics show wrong time fix
- STunnel text display fix
- IPSec text display fix
- OpenVPN remove TLS clients in TAP mode fix

- Hotspot: Tab placement fix
- Overview: Text changes
- SMS-Utilities: 'uci show' fix
- WebUI: added connection band info to mobile status page
- Mobile: fix for LTE band default value for different regions
- RMS: fixed logread messages
- I/O: fixed output state labels

RUT2XX_R_00.01.05.1 | 2019.02.22

- New features:
 - Added Wake on LAN functionality
 - Added Wake on LAN SMS Utilities rule
 - Added STunnel feature to VPN services
- Improvements:
 - Added every WAN interface selection to Qos
 - Add modem restart option to Periodic Reboot
 - Updated curl to version 7.64.0
 - Updated OpenSSL to version 1.0.2q
- Fixes:
 - L2TP network restart after connection loss fix
 - OpenVPN service restart when TLS-Password is changed fix
 - Mobile IP and gateway fix
 - Overview OpenVPN widget display fix
 - IPsec psk_key save after older firmware upgrade fix
 - Configuration backup and firmware upgrade stuck on the 'downloading' page fix
 - SNMP memory leak fix
 - Mobile data limit keep limit after firmware upgrade with keep settings fix

- Remote access information fix
- L2TP IP range change fix
- Setup Wizard □ LAN DHCP fields not hidden when DHCP is unchecked fix
- Hotspot firewall rules fix
- Data-only SIM fix
- Wireless Station and Access Point fixes
- Deleted unnecessary IPsec keep alive option
- Fixed GRE Tunnel connection
- Removed NOTRACK target from firewall rules
- WAN IP not showing on Login page fix
- DDNS process kill fix
- WAN selected as LAN fix
- IPsec restart when backup mobile fails fix
- RMS memory usage fix
- CLI Connect button fix
- Mobile traffic counter resetting fix
- Multiple OpenVPN related fixes
- Ping Reboot fix

RUT2XX_R_00.01.04.2 | 2018.12.20

- Fixes:
 - SSH security fix
 - Mobile page fix

RUT2XX_R_00.01.04.1 | 2018.11.15

- New features:
 - Added NTP server, force servers option for ntpclient

- Added selectable network band support
- Added SSTP
- Replace bird routing package with quagga package
- Added WiFi MAC Filter address range support
- Changed RMS communication protocol to use MQTT instead of OpenVPN
- Enabled SSH diffie-hellman-group14-sha1 key exchange algorithm

- Improvements
 - Updated mobile operator database
 - Enabled Wired (Main) + Mobile (Failover) multiwan in default configuration
 - Sensitive information (usernames and passwords) removed from router's Troubleshoot file
 - Added warnings to Call Utilities when on 4G-only mode

- Fixes:
 - Fixed multiwan restart sequence issues causing VPN instabilities
 - Static Routes fix
 - WiFi updates and security fixes
 - Minor improvements and bug fixes for operator selection
 - SNMP MIB values and file format fix
 - SNMP Hotspot and serial values fix
 - Redirect to login page after factory reset fix
 - IPsec init script fix
 - Overview WiFi widget fix
 - Modbus WiFi enable/disable fix
 - Modbus APN write and memory leak fixes
 - JavaScript code multiplication fix
 - DHCP server lease time validation update fix
 - Hang up on watchdog reset fix
 - Overview mobile WAN IP display fix
 - curl: update to 7.62.0

- OpenSSL: update to 1.0.2p
- cacert: update to 2018-10-17
- arptables segmentation fault fix
- quectel-CM: updated to latest version
- GRE Tunnel delete after button press fix
- Update Teltonika contact address in Licenses page
- Disabled passthrough and bridge selection when multiwan is enabled
- Fixed lua dispatcher error after reboot
- Fixed multiwan metrics and priorities
- SMS Utilities SMS status WAN IP with multiwan fix

RUT2XX_R_00.01.03.5 | 2018.10.23

- Fixes:
 - VPN shutdown at delete fix
 - PPTP default gateway set and delete fix
 - OpenVPN status fix
 - OpenVPN configuration section name compatibility fix
 - IPsec redirect after save fix
 - Overview VRRP widget status fix
 - Hotspot start after reboot fix
 - Added default LAN IPv6 address
 - Overview WAN wiki link fix
 - Hotspot overview fix
 - Mobile data counter reset fix

RUT2XX_R_00.01.03.2 | 2018.09.05

- New features:

- Added operators control with white/black list feature
- Added Administration -> Root CA page

- Improvements:
 - Added many security updates
 - Added firmware update information
 - Added CellID information to Troubleshoot file

- Fixes:
 - GPL: compilation fixes
 - Configuration restore fix
 - Disabled Hotspot users' ability to reach LAN devices and WebUI
 - Port Forwarding IP validation fix
 - System -> Administration -> Overview page loading fix when VPN configuration exists
 - Some minor DHCP display fixes
 - Call Utilities reboot action partial message fix
 - DDNS IP source change and added time selection
 - OpenVPN service fixes
 - Some minor QoS fixes
 - Some minor OpenVPN fixes
 - Configuration Wizard: LAN page redirect fix
 - Overview WAN IP fix
 - Added Redirect to HTTPS information
 - Troubleshoot TCPdump fix
 - Changed 'Backup WAN' to 'WAN Failover'
 - WebUI: language translation in some pages fix
 - Hotspot: SMS OTP authentication fix (Mantis ID: 0022367)
 - Overview VPN widget IP fix

- Fixes:
 - Fixed GPL Readme
 - Fixed JavaScript password validation

RUT2XX_R_00.01.02.3 | 2018.06.08

- Fixes:
 - Fixed RMS status in overview page
 - Fixed LTE signal strength graph

RUT2XX_R_00.01.01.4 | 2018.05.16

- New features:
 - Added DHCP Force option
 - Added RMS connection page to Setup Wizard
 - Added forced password change
- Improvements:
 - Updated Overview widget icons, added Teltonika Wiki links
 - Added private key decryption function to OpenVPN client configuration
 - Added additional DPD options
- Fixes:
 - Fixed Wget reboot URL datatype
 - WebUI: SSH access status fix
 - Added special symbols exception to SMS-Forwarding
 - Added missing Events Reporting config for SMS-Utilities
 - PPP enable/disable bug fix
 - Multiple Call Utilities fixes
 - SMS event queries fix

- Removed unnecessary sim_switch message text
- Some SSH security fixes
- Updated Modbus sources and coding table
- Multiple OpenVPN bug fixes
- Graphs/Signal strength fix when using HSDPA+HSUPA network type
- Fixed VLAN DHCP leasing
- Administration password change fix
- STA mode logic changed
- Hotspot bandwidth limit fix
- Moved IP alias gateway to advanced features
- Administration -> Overview fix
- Factory reset fix due to mobile connection problems

RUT2XX_R_00.01.00 | 2018.03.19

- Improvements:
 - Added hostname validation for Wget Reboot
 - New versioning logic
- Fixes:
 - Output ON/OFF fix
 - Firmware Upgrade fix
 - SSH authentication logging fix

RUT2XX_R_00.00.553 | 2018.03.09

- New features:
 - Added Redirect LAN to GRE function
- Fixes:

- Mobile Data Limit fixes
- User's password removed from users table
- Firmware upgrade message fixed

RUT2XX_R_00.00.539 | 2018.03.01

- Fixes:
 - Minor Openvpn functionality fixes

RUT2XX_R_00.00.486 | 2018.02.27

- New features:
 - Added two additional fields to Hotspot Landing Page link configuration (SMS have password, SMS no password)

RUT2XX_R_00.00.482 | 2018.02.22

- Fixes:
 - Updated SMS send status
 - Added Modbus enable check-box
 - Added firewall rule so the router would be reachable from WAN when access control is enabled

RUT2XX_R_00.00.474 | 2018.02.20

- Improvements:
 - Added download MIBS button to SNMP page
- Fixes:
 - Fixed style for VPN service pages, Modbus page

RUT2XX_R_00.00.388 | 2018.02.19

- New features:
 - Added Relayd function that can make the router act like a wireless range extender

RUT2XX_R_00.00.382 | 2018.02.06

- Fixes:
 - Fixed Wi-Fi logging to FTP function
 - Fixed site blocking file parsing
 - System Information texts fix

RUT2XX_R_00.00.377 | 2018.01.31

- New features:
 - IPsec: added Transport mode, Firewall options, local IP management options
- Improvements:
 - Moved Disable NAT flags from VPN to Firewall page
- Fixes:
 - Fixed Firewall config for hotspot interface assignment
 - DMZ rule position fix

RUT2XX_R_00.00.372 | 2018.01.16

- Improvements:
 - Added binero.se to DDNS service providers list
 - Added some additional SMS Utilities hints
 - Added support for changing Wireless SSID name from branding script
 - Improved Email to SMS function

- Fixes:
 - WAN port status display fix
 - Fixed SMS Utilities Write to config bug when sending mobileoff message
 - Whitelist blocking fix in Site Blocking

RUT2XX_R_00.00.355 | 2018.01.05

- New features:
 - Added WPA-Enterprise encryption type support for Wi-Fi Access Points
 - Added Email To SMS, SMS Forwarding functions
 - Added Wget Reboot function
- Improvements:
 - Updated fw upgrade validation for future firmwares
- Fixes:
 - Fixed bug of not being able to use hostnames as a destination for Ping Reboot
 - Input/Output Scheduler backup bug fix
 - System->Administration page style fixes
 - Removed wifid due to security issues
 - Configuration Backup bug fixes

RUT2XX_R_00.00.339 | 2018.01.02

- New features:
 - Added IPsec option for WebUI access through tunnel
 - Added Reset button custom hold time configuration
- Fixes:
 - Minor Mobile Data Limit bug fix

- Renamed mibs file to TLT-MIB.txt
- Temperature display fix
- Added Async Control Character Maps
- Fixed minor grammatical errors in the WebUI
- OpenVPN hints fix

RUT2XX_R_00.00.312 | 2017.12.08

- Fixes:
 - Some minor PPTP Server and Client functionality fixes
 - Added fix to PPP Connection Type due to disconnecting mobile connection
 - Real traffic fix

RUT2XX_R_00.00.307 | 2017.12.05

- New features:
 - Added Hotspot configuration profiles
- Improvements:
 - Added custom redirect address
 - Added troubleshoot file download protection
- Fixes:
 - Some minor Hotspot functionality fixes
 - Mobile data logging fix
 - Some minor Dynamic DNS functionality fixes

RUT2XX_R_00.00.296 | 2017.11.23

- Improvements:

- SMS Utilities fw_upgrade rule now works with Keep Settings
- Fixes:
 - Minor Reregister function fix
 - Use IPv4 only fix
 - Minor mobile interface fix
 - Some minor Site Blocking fixes
 - Connect to hidden WiFi AP fix
 - Multiwan metric change fix for RUT230

RUT2XX_R_00.00.284 | 2017.11.03

- Improvements:
 - Improved Mobile Data Limit functionality
 - Improved Load Balancing functionality

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