

# RUT230 Firmware Downloads (legacy WebUI)

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## FW downloads

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	<a href="#">RUT2XX_R_00.01.14.7</a> <b>2023.05.19</b>

## FW checksums

A list of firmware checksums for RUT2XX firmwares uploaded in this page: [checksum list](#)

## Notes

- To successfully upgrade RUT230 from Legacy firmware (RUT2XX\_R\_00.01.14.1 and below) to RUTOS (RUT2\_R\_00.07.01 and up), you must first upgrade to the latest Legacy firmware (**RUT2XX\_R\_00.01.14.3 and up**) and then upgrade to latest RUTOS firmware. For example:
    - It is **not** possible to upgrade from **RUT2XX\_R\_00.01.14** to **RUT2\_R\_00.07.01** and vice-versa;
    - It is possible to upgrade from **RUT2XX\_R\_00.01.14** to **RUT2XX\_R\_00.01.14.4** first, then to **RUT2\_R\_00.07.01** and vice-versa.
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## Changelog

### [RUT2XX\\_R\\_00.01.14.7](#) | **2023.05.19**

- Fixes:
  - Fixed CVE-2023-32349 vulnerability

### [RUT2XX\\_R\\_00.01.14.6](#) | **2022.08.03**

- Fixes:
  - Enhanced SMS Utilities service security

### [RUT2XX\\_R\\_00.01.14.5](#) | **2021.12.09**

- New features:
  - DFOTA modem upgrade system for Quectel modems

- Fixes:
  - Fixed mobile MTU setting
  - Fixed incorrect QMI calls to modem
  - Increased buffer size for AT+CGDCONT output
  - Fixed persistence of DMZ firewall rules when loading Firewall General page

#### [RUT2XX\\_R\\_00.01.14.4](#) | 2021.10.11

- New features:
  - Added MeigLink SLM750-VAU support
  - Added ping to DNS feature for mobile
- Fixes:
  - Patched CVE-2021-33909 vulnerability
  - Patched CVE-2019-14834 vulnerability
  - Patched CVE-2021-37600 vulnerability
  - Fixed VoLTE configuration for EC25-V modules
  - Fixed setting band issues
  - Fixed RMS rscp, ecio, rsrp, sinr and rsrq values

#### [RUT2XX\\_R\\_00.01.14.3](#) | 2021.08.17

- New features:
  - Added MeigLink SLM750-VSA and SLM750-VJ support
  - Added MeigLink SLM750-VJ manual frequency band selection
  - Added MQTT Modbus Gateway keep alive option
- Improvements:
  - Added conntrack flush after IPsec connection
- Fixes:
  - Fixed hardware information config corruption when applying backup
  - Fixed backup archive validation
  - Fixed redirecting to correct IP address after firmware upgrade with keep settings
  - Fixed Modbus Master Alarms enabling

#### [RUT2XX\\_R\\_00.01.14.1](#) | 2021.07.02

- New features:
  - MeigLink SLM750 Australian module support
- Improvements:
  - Added CallFailed error handling
  - Updated APN database with OTA BELL ME operator APN
  - Added Client ID option to Data to Server
  - Added band selection support for Meiglink SLM750
  - Added band parsing to mobile library
  - OpenSSL updated to version 1.1.1k
- Fixes:
  - Fixed signal strength LED handling for Meiglink modems
  - Fixed backup generating without packages
  - Fixed service mode handling for Meiglink SLM750 modems
  - Fixed band handling when switching service modes

- Fixed SMS storage swap to modem when connection type changed from QMI to PPP
- Fixed IPsec Passthrough function handling
- Fixed Package Manager package install crash on reboot
- Fixed modem FW version show for Meiglink SLM750
- Restored no-ip.com, nsupdate and cloudflare.com-v4 DDNS configurations
- Fixed DDNS hostname, username and password fields not showing when custom service is chosen
- Fixed IPsec Pre-shared key option validation
- Added security Wireless fixes for the FragAttacks vulnerabilities

## **RUT2XX\_R\_00.01.14 | 2021.03.23**

- New features:
  - PPPoE wired WAN
  - WiFi Multiple AP configuration page
- Improvements:
  - Added SHA1 HMAC hash support to dropbear (SSH server/client)
  - Updated libpcap to version 19.1
  - Updated sqlite3 to version 3.33
  - Updated curl to version 7.74
  - Updated ncurses to version 6.2
  - Updated pcre to version 8.44
  - Updated iptables to version 1.6.2
  - Added hard request, alarm and slave limits to MODBUS TCP Master
  - Added USB ZLP flag to avoid mobile network loss
  - Added new gsmctl command that returns operator names
  - Added check for newline symbol at the end of an uploaded OpenVPN config file; if newline is not found, it is added automatically
- Fixes:
  - Fixed CVE-2019-9755
  - Fixed CVE-2018-16789
  - Fixed CVE-2020-12762
  - Fixed CVE-2021-22161 (updated odhcp6c and netifd to fix IPv6 routing loop on point-to-point links)
  - Fixed revision buffer size for Operator Control
  - Fixed operator selection logic
  - Fixed default PPTP route option handling
  - Fixed display of DDNS Hostname, Username and Password options when custom service is selected
  - Fixed incorrect VLAN ID range
  - Fixed IPsec start after reboot issue
  - Fixed IPsec cache issues
  - Fixed firewall rule execution when QoS is not enabled
  - Fixed ZeroTier crashing issues
  - Fixed Events Log Reporting sending email with attached file
  - Fixed unexpected Package Manager crash while installing unsupported packages
  - Fixed static mobile routes after modem restart
  - Fixed routing issue with mobile PPP connection type
  - Fixed double entries after firmware upgrade with keep settings on Output Scheduler
  - Fixed Hotspot freeze on launch with certain config bug

- Fixed wireless device frequency and channel display in wireless widget
- Fixed typo from 'Start IP address' to 'End IP address' under DHCP server configuration

### [RUT2XX\\_R\\_00.01.13.3](#) | **2021.01.26**

- Fixes:
  - Added dnsmasq patch CVE-2020-25681, CVE-2020-25682, CVE-2020-25683, CVE-2020-25684, CVE-2020-25685, CVE-2020-25686, CVE-2020-25687
  - Fixed SSH reachable over SIM IP in early boot

### [RUT2XX\\_R\\_00.01.13.2](#) | **2021.01.12**

- Fixes:
  - Added openvpn patch to fix CVE-2020-11810
  - Updated openssl to version 1.1.1i
  - Added dnsmasq patch for CVE-2019-14834
  - Added strongswan patch to fix CVE-2018-10811
  - Added hostapd patch to fix CVE-2019-16275, CVE-2019-11555, CVE-2019-13377 vulnerabilities
  - Updated uci to version 2019-09-01
  - Fixed setting APN and toggling Auto-APN on/off via SMS Utilities
  - Fixed factory reset on button that wouldn't perform a complete settings wipe

### [RUT2XX\\_R\\_00.01.13.1](#) | **2020.11.19**

- Fixes:
  - Randomized the global rate limiter to mitigate "SAD DNS" attack

### [RUT2XX\\_R\\_00.01.13](#) | **2020.10.23**

- New features:
  - IPsec Xauth
  - IPsec Passthrough
- Improvements:
  - Added Input/Output default chain policy selections for firewall zones
  - Removed IPv6 related options from Setup Wizard
  - Improved WebUI page loading speed
  - Added a possibility to set MQTT credentials for Modbus Data Sender
  - Added options to keep connection open for Modbus TCP Slave
  - Added TLS certificate options to HTTP(S) data sending for Modbus data
  - Added the option to send SMS messages to multiple numbers on Modbus Alarms
  - Added IPsec aggressive host enable option
  - Expanded IPsec identifier validation
  - Added WiFi SSID field validation
  - Changed IP leasing sequence in mobile Passthrough mode
  - Added SHA512 support
  - Added MD5 & SHA256 checksum calculation for Configuration Backup files
  - Added uploaded package signature verification to Package Manager
  - Added new program that sends and reads GRE Tunnel 'keep alive' packets
  - Changed default WAN Failover values
  - Simplified key combination for opening a new CLI tab

- Fixes:
  - Fixed Modbus MQTT Gateway not responding when connection with broker restarts
  - Fixed Modbus MQTT Gateway not responding when topics gave special characters
  - Fixed Modbus MQTT Gateway enable option hint; fixed option dependencies in data sender configuration
  - Fixed configuration field validations in the Modbus MQTT gateway page
  - Fixed MQTT topic validation in Modbus pages
  - Fixed configuration field validations in the ThingWorx page
  - Fixed Periodic Output Control table layout
  - Fixed security related issues to file uploading and HTTP headers
  - Fixed adding new L2TP and PPTP instances on non-English WebUI
  - Disabled WiFi STA when authentication fails in STA+AP mode due to bad key
  - Fixed WiFi SSID string handling in fix\_sta\_ap.sh
  - Disabled channel checking if WiFi device is turned off while in the Network → Wireless page
  - Fixed duplicate "Associated Stations" table entries in the Status → Network → Wireless page
  - Fixed table design in the System → Administration → Access Control → Safety page
  - Fixed not setting iptables rules for mobile interface
  - Fixed saving APN after firmware upgrade
  - Fixed default mobile MTU setting
  - Fixed access to LAN page when mobile Bridge mode is enabled
  - SMS-Utilities: fixed exiting when at least one Events Reporting rule was not enabled
  - Removed IPv6 Subprefix Hint field from the Network → LAN page
  - Fixed DNS push from OpenVPN server
  - Fixed L2TP over IPsec with Android 10
  - Removed crt\_rms deprecated service
  - Fixed RMS collecting data usage
  - Fixed mobile status error for Load Balancing
  - Fixed WAN MAC address value in SMS Utilities command response
  - Fixed answer delay for Call Utilities commands
  - Fixed key combination not working
  - Removed Wireguard from the Network → Status page when this package is not installed
  - Changed SNMP RX, TX object types to uint64

### [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

## [RUT2XX\\_R\\_00.01.11.1](#) | 2019.10.21

- 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

### [RUT2XX\\_R\\_00.01.02.6](#) | **2018.08.22**

- 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