

Stable Firmware & Software CHANGELOG

Select the needed category:

Basic Trackers	Fast & Easy Trackers	Advanced Trackers	Autonomous Trackers	Sensors
OBD Trackers	CAN Trackers & Adapters	Professional Trackers	E-Mobility Trackers	Video Solutions

E-Mobility Trackers

TFT100

VERSION	RELEASE DATE	CONFIGURATOR CHANGES	FIRMWARE CHANGES
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55.02.03.Rev.0 2024-01-1
6 5
1.7.66_B.55.2_
R.11

- [ADD] Added CAN Debug feature and CAN Log parameter
- [CHN] Increased DOUT duration limit for Overspeeding, Green Driving, Idling features
- [ADD] Added Odometer parameter for UART, RS232 and RS485
- [REM] Removed CAN and RS485 termination resistor management parameter
- [FIX] Fixed Askoll CAN protocol charge voltage and current I/O parameters visibility, removed malfunction indication I/O
- [FIX] Fixed FLEX CAN protocol parameters duplication
- [ADD] Added Ignition ON Counter feature
- [ADD] Added Separate Manual CAN I/O Reset feature and related parameters
- [CHN] Reduced max sensor size to 64 bytes
- [CHN] Moved Manual CAN baudrate parameter to main CAN I/O section
- [CHN] Changed Manual CAN Settings table and simplified CAN protocol settings
- [CHN] Changed device Wiki links to Teltonika-gps
- [FIX] Fixed BLE Custom I/O Low level maximum value to match valid range by firmware
- [REM] Removed wrong parameter (ID: 740 and 741) tool tips
- [ADD] Added Eye Sensors support
- [FIX] Fixed Roaming/Blacklist CSV file import
- [FIX] Fixed Manual CAN request period max range
- [REM] Removed Manual CAN and Manual J1939 parameters option to leave empty field
- [ADD] Added High resolution vehicle distance and Trip Distance CAN ID and I/O to Default J1939 protocol
- [ADD] Added new Askoll CAN protocol I/O's
- [CHN] Changed Manual CAN Commands interface to table
- [REM] Removed ISO6709 I/O
- [FIX] Fixed Tool Tips inaccuracies
- [FIX] Fixed Online vs Offline configuration discrepancies
- [CHN] Changed Manual CAN I/O and Ignition range Low and High level maximum value range
- [FIX] Fixed J1939 Source Address maximum address to 253
- [FIX] Fixed UART Battery temperature Low level maximum value range
- [FIX] Fixed Ultra Deep Sleep naming mismatch
- [ADD] Added SMS Events functionality
- [FIX] Fixed auto answer (HF) wrong parameter values
- [REM] Removed RS485 Mode selection duplication
- [CHN] Increased DOUT duration limit for Overspeeding, Green Driving, Idling features
- [ADD] Added CAN Debug feature
- [CHN] Changed 0% battery level voltage to 3.3V
- [ADD] Added battery percentage level to battery info SMS
- [ADD] Added Ignition ON Counter feature
- [ADD] Added protection against network stuck reset when device is working from battery and immobilizer scenario might be activated
- [CHN] Improved CAN data reading operation for each available CAN protocol
- [ADD] Added CAN chip sleep when external power is not available or device is in Ultra Deep Sleep
- [ADD] Added Separate Manual CAN I/O Reset feature
- [ADD] Added new Askoll CAN I/O's
- [ADD] Added watchdog timer for CAN task
- [CHN] Improved DOUT control during device's boot-up
- [FIX] Fixed incorrect CAN SMS/GPRS AVL response
- [ADD] Added High resolution vehicle distance and Trip Distance CAN ID and I/O to Default J1939 protocol
- [REM] Removed ISO6709 I/O
- [FIX] Fixed ignition detection with power voltage higher than 65V
- [FIX] Fixed CAN and UART I/O low level range values
- [ADD] Added SMS Events functionality
- [FIX] Fixed AVL ID 239 (Ignition) value not updating in records
- [FIX] Fixed Auto Geofence text field parameter resetting after device reboot
- [ADD] Added Eye Sensors support
- [CHN] Changed CAN None protocol operation - CAN is not configured, CAN task suspended
- [CHN] Reduced 1-Wire startup delay after wake up from UDS
- [ADD] Added DIN2 status to getio command
- [FIX] Fixed setdigout speed command when GNSS fix is not available

VERSION

**RELEASE
DATE**

CONFIGURATOR CHANGES

FIRMWARE CHANGES

- [CHN]: Changed Default and Minimum CAN Command period. Changed tooltips.
 - [ADD]: Add timestamp backup description
 - [CHN]: Corrected misleading and outdated tooltips
 - [CHN]: Changed TFT100 default configuration.
 - [ADD]: Added [CAN I/O reset](#) parameter.
 - [ADD]: Govecs FLEX (TFT100) changes were merged into 7.0.33 version.
 - [ADD]: Added AES128 BLE encryption KEY parameter
 - [CHN]: Updated tooltip description for DOUT Deactivation Via DIN
 - [FIX]: Fixed BLE Sensor Custom IO SMS sending with value NaN and displaying as ASCII in Configurator.
 - [FIX]: Fixed device constantly opening and closing GPRS with permanent link if APN is empty in configurator.
 - [FIX]: Fixed permanent link not changing protocol after reconfiguration.
 - [CHN]: Updated FOTA WEB protocol ID 0x04 => 0x05
 - [FIX]: Increased connection interval in order to speed up connection through BLE terminal.
 - [FIX]: Fixed POSI command skipping.
 - [FIX]: Fixing network stability issues.
 - [FIX]: Fixed timestamp not renewing for Eddystone beacons.
 - [FIX]: Added condition to prevent closing socket, if GPRS command is received and response was not sent yet.
 - [FIX]: Fixed issue, when after pin reconfiguration from DOUT to DIN, DOUT stays ON.
 - [FIX]: Fixed periodic CAN command message disabling.
 - [FIX]: Fixed Flex CAN protocol reading 0 values after power is cut off.
 - [FIX]: Fixed Manual CAN commands periodical sending.
 - [CHN]: Changed TFT100 default configuration.
 - [CHN]: Increased external queue size to prevent abnormal restarts during BLE scan.
 - [ADD]: Added [Reset CAN IO values](#) parameter.
 - [FIX]: Fixed CAN message sending irregularities.
 - [FIX]: Fixed J1939 CAN reading recovery after external power is off.
 - [ADD]: Added priority for charger control factory command.
 - [FIX]: Fixed a broken GSM connection due to incorrect SIM card selection.
 - [FIX]: Fixed FOTA WEB fail when the files requested for download do not exist.
 - [FIX]: Fixed lost BLE AES encryption key after reboot.
 - [ADD]: Merged Govecs FLEX changes into base. New configuration 7.0.33 created also.
 - [FIX]: Fixed DOUT delay after ignition detection.
 - [FIX]: Fixed Manual CAN Ignition and Speed I/O's timeout issue
 - [FIX]: Fixed Manual CAN Speed Source I/O's Speed Offset min/max values
 - [ADD]: Added AES128 BLE encryption functionality
 - [FIX]: Fixed Manual CAN I/O triggers with configured operands
 - [FIX]: Fixed GPRS commands sending with TLS encryption
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VERSION	RELEASE DATE	CONFIGURATOR CHANGES	FIRMWARE CHANGES
55.01.02.Rev.02 1.6.11_R.30	2021.11.03	<ul style="list-style-type: none"> Parameters for Ignition, Speed extraction from manual CAN messages added. Added immobilizer functionality which is not dependent on ignition. GNSS source parameter mask changed to allow only valid GNSS modes. FLEX protocol functionality added. Manual CAN Commands functionality moved to separate tab. 120 Ohm resistor settings added for CAN, RS485 variants. Last know position parameter added. PDOP filter parameters added. 	<ul style="list-style-type: none"> Fixed FW up/downgrade for TFT CAN devices with new Flash component. SMS commands updated. Commands will return time with time zone applied. Fixed minus temperature calculation. PDOP filter added. Movement detection tracking fixed. GNSS source parameter only available value can be set. Added Backup tracker scenario. Added speed, ignition source manual CAN functionality. Added immobilizer functionality which is not dependent on ignition. Updated Manual CAN IO value dispaly. The value is cleared after configuration changed. Added FLEX protocol support. Added a time guard if BLE scan job is stuck. Fixed external voltage value representation in battery SMS command response. Added 120 Ohm resistor support. Added Last known position parameter added.
55.00.14.Rev.00 1.6.11_R.19	2021.02.03	<ul style="list-style-type: none"> Parameter order in IO section was updated. Timestamp backup functionality added. Added possibility to include additional IOs to eventual crash record. Added Endianess, Payload and RTR options to Manual CAN settings. 	<ul style="list-style-type: none"> Added possibility to include additional IOs to eventual crash record Fixed DOUT state after immobilizer. Fixed double iButton scanning issue for immobilizer after sleep. Fixed Crash event value. Added battery percentage value to the SMS Increased compatible beacons count from 25 to 100. Fixed memory leak, when the GPS module is turned on and off frequently. Timestamp backup functionality added. Improved Manual CAN data reading. Beacon detection regarding the timestamp for immobilizer functionality, minimal ignition tmo changed to 5s. Added <i>Request DA</i> parameter to Manual J1939 (availability to send request to specific adress). Added <i>Payload</i> and <i>RTR</i> parameters to Manual CAN (availability to send requests with data). Option to start Manual CAN commands on startup was added. Added command <code>.can_dbg:<1/0></code>, which turn on/off the additional CAN debug functionality.

55.00.09.Rev.08 1.6.11_R.14	2020.10.16	<ul style="list-style-type: none"> • Added BMS2 I/O parameters to Bosch CAN protocol; • Added DOUT control via Ignition feature; • Added Manual J1939 protocol; • Added permanent link with server feature; • Added Manual CAN commands functionality; • Added Falldown functionality with autocalibration; • Added Battery level I/O parameter; • Added Battery Charge Mode feature; • Added Beacon selection with Immobilizer feature; • Added functionality to hide DOUT selection near all features if DIN is selected; • Added Manual CAN feature; • Added Default J1939 protocol support with it's I/O parameters. 	<ul style="list-style-type: none"> • Added permanent link with server feature; • Added Manual J1939 protocol support; • Improved CAN functionality regarding abnormal restart issue; • Added DOUT control via Ignition feature; • Added e-floater (UART) e-scooter support; • Added BMS2 I/O parameters to Bosch CAN protocol; • Implemented EMCO CAN SMS/GPRS commands (used with Manual CAN protocol); • Improved instant movement calculation in Deep Sleep mode; • Added Manual CAN commands functionality; • Added Govecs e-scooter Bosch protocol lock/unlock/setdigout multi commands; • Added Govecs e-scooter Bosch protocol lock/unlock/openbox CAN commands; • Improved Immobilizer functionality with relay; • Updated Super Soco RS485 SMS response text; • Added Falldown functionality with autocalibration; • Added RS485 restart timeout if no status data is received from Super Soco e-scooter; • Added Manual CAN functionality; • Added Default J1939 protocol support; • Added Govecs Schwalbe e-scooter CAN SMS/GPRS commands (used with Bosch CAN protocol).
55.00.08.Rev.03 1.5.15_C.003	2020.04.10	<ul style="list-style-type: none"> • Optimized Digital Output tool tips; • Optimized UART panel title to be more accurate; • Removed duplicated I/O parameters; • Added RS485 Super Soco protocol; 	<ul style="list-style-type: none"> • Added wake up via DIN1 in Ultra Deep Sleep mode functionality; • Added GoUrban RS485 protocol for Super Soco e-scooter; • Added new TFT100 hardware support;

55.00.06.Rev. 01 1.5.0_C.007	2020.02. 07	<ul style="list-style-type: none"> • Implemented an option to select Analog Input Value Range; • Optimized default configuration; • Added DOUT Control Via Call feature; • Added iButton Read Notification and Immobilizer feature; • Added On Demand Tracking feature; • Added new Ignition Source parameters - Accelerometer, DIN1, Power Voltage, CAN; • Implemented DIN/DOUT selection ability; • Added Bosch CAN Powertrain and Askoll protocol selection and I/O's; • Added TFT100 hardware support; 	<ul style="list-style-type: none"> • Optimized Askoll specific commands; • Optimized CAN chip and NAND SPI Chip select synchronization;
55.00.05.Rev. 00 1.6.11_R.X	2020.01. 17		<ul style="list-style-type: none"> • Optimized iButton Read Notification feature; • Added DOUT Control Via Call and iButton features; • Added Immobilizer scenario; • Added DOUT Control via Call scenario; • Added new Ignition Source parameters - Accelerometer, DIN1, Power Voltage, CAN; • Implemented the ability to configure DIN/DOUT; • Added FOTA WEB support; • Added Askoll related SMS commands - askoll_unlock, askoll_horn, askoll_tc; • Optimized data reading through CAN interface; • Implemented Bosch CAN Powertrain and Askoll protocols; • Added DOUT protection; • Added base functionality for all modifications; • Added TFT100 hardware support;

TST100

VERSION	RELEASE DATE	CONFIGURATOR CHANGES	FIRMWARE CHANGES
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55.01.10.Rev.00 1.6.11 R.39	2022.09. 12	<ul style="list-style-type: none"> • [ADD]: Added timestamp backup description. • [CHN]: Corrected misleading and outdated tooltips. • [ADD]: Added Hergele scooter protocol. • [ADD]: Added SIM card tamper protection feature. 	<ul style="list-style-type: none"> • [FIX]: Fixed BLE Sensor Custom IO SMS sending with value NaN and displaying as ASCII in Configurator. • [FIX]: Fixed device constantly opening and closing GPRS with permanent link if APN is empty in configurator. • [FIX]: Fixed permanent link not changing protocol after reconfiguration. • [CHN]: Updated FOTA WEB protocol ID 0x04 => 0x05 • [FIX]: Increased connection interval in order to speed up connection through BLE terminal. • [FIX]: Fixed POSI command skipping. • [FIX]: Fixing network stability issues. • [FIX]: Fixed timestamp not renewing for Eddystone beacons. • [FIX]: Added condition to prevent closing socket, if GPRS command is received and response was not sent yet. • [ADD]: Added SIM card tamper protection feature. • [ADD]: Added BT whitelist for Solebe lock. • [ADD]: Hergele scooter support added. • [CHN]: Increased external queue size to prevent abnormal restarts during BLE scan. • [FIX]: Fixed a broken GSM connection due to incorrect SIM card selection. • [ADD]: HeadLight status in Scooter IO added
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VERSION	RELEASE DATE	CONFIGURATOR CHANGES	FIRMWARE CHANGES
55.01.02.Rev.01 1.6.11_R.30	2021.11. 03	<ul style="list-style-type: none"> • Changed SMS Timezone label. • GNSS source parameter mask changed to allow only valid GNSS modes. • Changed scooter speed limits IOs high/low ranges and default values. • Added Segway Cable Lock I/O elements. • Changed unauthorized movement buzzer control default values. 	<ul style="list-style-type: none"> • SMS commands updated. Commands will return time with time zone applied. • Added Segway wired lock support. • Movement detection tracking fixed. • For GNSS source parameter only available values can be set. • Fixed Unauthorized Movement event SMS sending. • Fixed record generation with correct AVL ID for Unauthorized Movement.

55.00.22.Rev.00 1.6.11_R.27	2021.08.23	<ul style="list-style-type: none"> • Changed GNSS source parameter mask to allow only valid GNSS modes. • Changed scooter speed limits IOs high/low ranges and default values. • Changed Data Acquisition tool tips and labels. • Added Falldown auto calibration parameter. • Added Unauthorized movement functionality. • Added Last known position parameter. • Fixed GPS automatic always ON at the start. • Updated function to wake up the device if it is moved during "Data sending state". • Fixed I/O Sleep mode element to send an event messages on entering the mode. • Added Last known position parameter. • Added pulsedigout command with on/off timeouts in ms and repeats. • Fixed GNSS Fix status always on after changing GNSS source. • Updated restricted I/Os by scooter model and fixed battery lock status value. • Added Unauthorized movement functionality. • Added Falldown auto calibration support for TST100. • Changed Battery value SMS text format changed to unsigned int. • Added Segway MAX autodetection and MC FW update. • Added Segway ES autodetection and MC FW update. • Fixed periodic data record generation in order to avoid skipping. • Updated Segway ES2/4 FW (ESC 4.0.5). • Added a time guard if BLE scan job is stuck. • Fixed Unauthorized Movement event SMS sending. • Fixed record generation with correct AVL ID for Unauthorized Movement. • Fixed ext voltage value representation in battery SMS command response. • Fixed scooter speed limits IOs hi/lo ranges check. • Fixed unauthorized movement buzzer control using default values.
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55.00.14.Rev.00 1.6.11_R.19	2021.02.03	<ul style="list-style-type: none"> • Added Baudrate options. • Added Battery lock status Scooter IO element. 	<ul style="list-style-type: none"> • Added battery percentage value to the SMS. • Increased compatible beacons count from 25 to 100. • Fixed memory leak, when the GPS module is turned on and off frequently. • Changed scooters' IOs filtering depending on protocol. • Fixed locking behavior during ride. • Improved Movement detection. • Segway MAX MC FW was updated to 21.1.0. • Added Baudrate options. • Fixed temperature and FW version reading in FitRider e-kick scooters. • Fixed speed limit function. Added command <i>scsetspdlimt2s</i> for FitRider T2s e-kick scooters. • Added debug option for sending/receiving FitRider data packets. • Segway MAX scooters locking sequence changed: when scooter is moving and command to lock the scooter was received, the engine is turned off and after the scooter is fully stopped it is locked. • Added Battery Lock control command and Battery lock status IO element.
55.00.09.Rev.08 1.6.11_R.14	2020.10.16	<ul style="list-style-type: none"> • Updated scooter's FW rendering in E-Scooter I/O panel from DEC to HEX; • Added permanent link with server feature; • Removed accelerometer's autocalibration parameter; • Added 3 new I/O parameters - Normal/Eco/Sport speed limit; • Added BT Status I/O parameter; 	<ul style="list-style-type: none"> • Improved BLE lock functionality; • Added 3 new I/O parameters - Normal/Eco/Sport speed limit; • Updated Segway MAX kick e-scooter's MC FW version checking functionality; • Updated <i>scgetbtcode</i> and <i>sclookfor</i> commands; • Added BT Status I/O parameter; • Updated Segway MAX MC and BMS FW versions to 21.0.7 and 3.5.6 correspondingly; • Removed Segway scooter's model detection based on serial number. Make sure to always select the correct scooter's protocol! • Added SMS/GPRS command for packet's logging - <i>scdbg <arg></i>; <i><arg> = 1 - enable, 0 - disable</i>; • Updated <i>scbuzzerctrl</i> command functionality with Xiaomi kick e-scooter; • Updated battery overheat detection.
55.00.09.Rev.1 1.6.11_R.8	2020.06.16	<ul style="list-style-type: none"> • Added permanent link with the server feature • Implemented Solebe Y905 Bluetooth lock feature with required parameters (Lock status, Lock battery) • Minor changes 	<ul style="list-style-type: none"> • Implemented permanent link with server functionality; • Added Solebe Y905 Bluetooth lock support; • Minor changes;

Autonomous Trackers

TMT250

VERSION	RELEASE DATE	CONFIGURATOR CHANGES	FIRMWARE CHANGES
55.02.03.Rev.05 1.7.66 B.55.2 R.10	2024-01-30	<ul style="list-style-type: none">• [CHN] Added new AVL ID's SMS events tab• [FIX] Fixed Online vs Offline configuration discrepancies• [FIX] Fixed Ultra Deep Sleep naming mismatch• [FIX] Fixed Tool Tips inaccuracies• [ADD] Added EYE Sensors support settings and filtering by sensors name and MAC address• [CHN] Changed device wiki links to teltonika-gps• [CHN] Moved EYE Sensor I/O settings to Bluetooth 4.0 tab• [FIX] Fixed Roaming operator/Operator Black List .csv file importing• [FIX] Fixed Maximum GPS Satellites Quantity parameter (ID: 906) value• [ADD] Added configurable accelerometer sensitivity settings• [ADD] Added continuous battery charging mode• [CHN] Changed minimum BLE scan start period value	<ul style="list-style-type: none">• [CHN] Added possibility to send SMS AVL ID event to few numbers• [FIX] Fixed sensors scanning issue, then Beacon Detection is Disabled or set to beacons No Send mode.• [ADD] Added CSQ level parameter• [ADD] Added , <i>shutdown</i>' SMS/GPRS command to power off device• [FIX] Added configurable accelerometer sensitivity options in sleep mode• [FIX] Fixed ,<i>btgetlist 3</i>' SMS command• [FIX] Changed battery voltage measurement and charging algorithm• [ADD] Added EYE Sensor support• [ADD] BLE Sensors Custom field data are displayed in decimal now• [FIX] Fixed batteries percentage calculation when voltage is Fully charged• [FIX] Refactored battery percentage limits checking algorithm• [FIX] Fixed battery charging status• [FIX] Fixed BT records generation issue, when BLE devices feature is disabled• [FIX] Fixed beacon buffer cleanup after the end of BLE scanning or periodic beacon record creation.• [FIX] Fixed GSM established LED indication turning off issue• [CHN] Changed minimum BLE scan start period configuration value.
VERSION	RELEASE DATE	CONFIGURATOR CHANGES	FIRMWARE CHANGES

55.02.03. Rev 05 1.7.66_B. 55.2_R.1 0	2023-12-13 • [CHN] Added new AVL IDs SMS events tab • [FIX] Fixed Online vs Offline configuration discrepancies • [FIX] Fixed Ultra Deep Sleep naming mismatch • [FIX] Fixed Tool Tips inaccuracies • [ADD] Added EYE sensors support settings and filtering by sensor's name and MAC address • [CHN] Changed device wiki links to teltonika-gps • [CHN] Moved EYE Sensor I/O settings to Bluetooth 4.0 tab. • [FIX] Fixed Roaming operator/Operator Black list .csv file importing • [FIX] Fixed Maximum GPS Satellites Quantity parameter (ID: 906) value • [ADD] Added configurable accelerometer sensitivity settings • [ADD] Added continuous battery charging mode • [CHN] Changed minimum BLE scan start period value.	• [CHN] Added possibility to send SMS AVL ID event to few numbers • [FIX] Fixed sensors scanning issue, then Beacon Detection is Disabled or set to beacons No Send mode. • [ADD] Added CSQ level parameter • [ADD] Added , shutdown' SMS/GPRS command to power off device • [ADD] Added configurable accelerometer sensitivity options in sleep mode • [FIX] Fixed ,btgetlist 3' SMS command • [FIX] Changed battery voltage measurement and charging algorithm • [ADD] Added EYE sensor support • [ADD] BLE sensors Custom field data are displayed in decimal now • [FIX] Fixed batteries percentage calculation when voltage is Fully charged • [FIX] Refactored battery percentage limits checking algorithm • [FIX] Fixed battery charging status • [FIX] Fixed BT records generation issue, when BLE devices feature is disabled • [FIX] Fixed beacon buffer cleanup after the end of BLE scanning or periodic beacon record creation. • [FIX] Fixed GSM established LED indication turning off issue • [CHN] Changed minimum BLE scan start period configuration value.
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VERSION	RELEASE DATE	CONFIGURATOR CHANGES	FIRMWARE CHANGES
55.01.02.Rev.01 1.6.11_R.30	2021.10.25	<ul style="list-style-type: none"> • Change No Movement/Movement event SMS text • Added Race Mode feature 	<ul style="list-style-type: none"> • Added Race Mode for GNSS data live tracking • Fixed LED indication stuck when Man-Down Cancel button is pressed • Fixed FW version display in FOTA WEB • Fixed possibility to configure forbidden GNSS source via SMS or GPRS • Fixed fake movement events when Low power mode is used • Fixed BLE scan stuck when Xiaomi bracelet is used • Fixed restarts when Beacon on Demand feature is used for longer time • Fixed Alarm call delay issue • Fixed FW update issue with XT26G01CWSIGT flash • Added XT26G01CWSIGT and GD5F1GQ5UE NAND flash support • Changed minimum charging temperature from -10°C to 1°C • SMS commands will return time with applied time zone • The maximum battery charging temperature changed from 50°C to 45°C • Maximum operating temperature changed from 65°C to 59°C

55.00.21.Rev.00 1.6.11_R.26	2021.08.10	<ul style="list-style-type: none"> • 'Data Acquisition' tool tips and labels changed. • Changed BLE 'Update frequency' name and tool tips. • Fixed 'Beacon on demand' labels. 	<ul style="list-style-type: none"> • Added possibility to Enable or Disable Mandown/Movement/No Movement features while charging. • Accelerometer and movement detection improvements. • Fixed invalid SMS number when reporting position after call.
55.00.18.Rev.02 1.6.11_R.23	2021.05.13	<ul style="list-style-type: none"> • No changes 	<ul style="list-style-type: none"> • Fixed issue which occurred during manufactory testing phase with Ver.55.00.18.Rev.01 where device could end with GNSS State = 0
55.00.18.Rev.01 1.6.11_R.23	2021.05.07	<ul style="list-style-type: none"> • Increased Beacon List from 25 to 100 • Added On Demand Tracking On/Off/Switch button action • Added On Demand Tracking event indication settings 	<ul style="list-style-type: none"> • Increased Configured beacons count from 25 to 100 • If Beacon record sending is configured to be 'Eventual', send only if device sees any beacons • Improved Power On/Off feature notifications • Power save mode is working with Data Acquisition time 60s and above • On Demand Tracking functionality improved with button control and On Demand Tracking event indication
55.00.10.Rev.01 1.6.11_R.16	2020.11.13	<ul style="list-style-type: none"> • Added Last Known Position feature settings • Added Power On/Off event settings • Added Power off with Power key settings • Added Custom BLE I/O parameters 	<ul style="list-style-type: none"> • Added Last Known Position feature on HIGH priority event (alarm, amber alert, man-down, etc). • When device gains current GPS position after HIGH priority event was generated, device sends another HIGH priority event with updated position and GPS fix timestamp. • Reworked GNSS status SMS template. • Fixed issue of data acquisition parameters reset to default values.
55.00.07.Rev.09 1.5.15_C.002	2020.10.20	<ul style="list-style-type: none"> • Minor changes 	<ul style="list-style-type: none"> • Important change of charging algorithm. This algorithm provides higher safety and prolonging battery's life longevity. • Corrected battery display in percentage • Improved charging current from PC.
55.00.07.Rev.07 1.5.15_C.002	2020.09.16	<ul style="list-style-type: none"> • Minor changes 	<ul style="list-style-type: none"> • Lowered battery charging current from wall charger to 425mA. • Fixed battery LED indication when battery is fully charged.
55.00.07.Rev.02 1.5.15_C.002	2020.03.17	<ul style="list-style-type: none"> • Added Man-Down Event On Exit and On Entrance parameters 	<ul style="list-style-type: none"> • Updated Server IP and Port saving procedures. • Reworked Generate Event On Exit and On Entrance logic. • Reworked handheld devices switching between Charging and Normal modes. • Reworked User ID values scan after device is turn off/on. • Reworked Button I/O on-click event.

55.00.05.Rev.00 1.5.0_C.007	2020.02.13	<ul style="list-style-type: none"> • Removed unnecessary Low Power parameters • Removed unnecessary Time Synchronization settings • Implemented On Demand tracking functionality • Removed unnecessary Number Check Settings panel • Implemented Event Notification functionality • Implemented User ID functionality • Improved BLE beacon functionality • Implemented Beacon List functionality • Improved User Interface configuration panel • Improved Keyboard configuration panel • Implemented Button IO feature • Updated default settings 	<ul style="list-style-type: none"> • Reworked User Interface configuration. • Reworked Keyboard configuration. • Implemented Event Notification panel. • Implemented Call After Answer functionality • Implemented User ID functionality. • Implemented On Demand data acquisition functionality. • Implemented Button IO Feature. • Optimized wake up from deep sleep by movement. • Updated default settings. • Improved BLE compatibility with beacons.
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GH5200

Base

VERSION	RELEASE DATE	CONFIGURATOR CHANGES	FIRMWARE CHANGES
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55.02.03 .Rev.05 1.7.66 B.55.2 R.10	2024-01-30	<ul style="list-style-type: none"> • [CHN] Added new AVL ID's SMS events tab • [FIX] Fixed Online vs Offline configuration discrepancies • [FIX] Fixed Ultra Deep Sleep naming mismatch • [FIX] Fixed Tool Tips inaccuracies • [ADD] Added EYE Sensors support settings and filtering by sensors name and MAC address • [CHN] Changed device wiki links to teltonika-gps • [CHN] Moved EYE Sensor I/O settings to Bluetooth 4.0 tab • [FIX] Fixed Roaming operator/Operator Black List .csv file importing • [FIX] Fixed Maximum GPS Satellites Quantity parameter (ID: 906) value • [ADD] Added configurable accelerometer sensitivity settings • [ADD] Added continuous battery charging mode • [CHN] Changed minimum BLE scan start period value 	<ul style="list-style-type: none"> • [CHN] Added possibility to send SMS AVL ID event to few numbers • [FIX] Fixed sensors scanning issue, then Beacon Detection is Disabled or set to beacons No Send mode. • [ADD] Added CSQ level parameter • [FIX] Fixed Event Notification SMS text maximum length • [ADD] Added , <i>shutdown</i>' SMS/GPRS command to power off device • [ADD] Added configurable accelerometer sensitivity options in sleep mode • [FIX] Fixed ,<i>btgetlist 3</i>' SMS command • [FIX] Changed battery voltage measurement and charging algorithm • [ADD] Added EYE Sensor support • [ADD] BLE sensors Custom field data are displayed in decimal now • [FIX] Fixed batteries percentage calculation when voltage is Fully charged • [ADD] Added " <i>dropcall</i>" SMS command to hang up the call. • [ADD] Added call duration limits for Alarm event • [ADD] Added Call duration limits for each keyboard button • [FIX] Fixed call and SMS send issue for Feature>>Event notification • [FIX] Refactored battery percentage limits checking algorithm • [FIX] Fixed battery charging status • [FIX] Fixed BT records generation issue, when BLE devices feature is disabled • [ADD] Added ability to switch audio to Bluetooth headset/speaker with a button. • [FIX] Fixing issue when incoming call voice audio doesn't work via HFP • [FIX] AXL and LIS3DH changes to prevent unwanted wake up from sleep mode and prevent fake movement detection • [FIX] Fixed beacon buffer cleanup after the end of BLE scanning or periodic beacon record creation. • [FIX] Fixed GSM established LED indication turning off issue • [CHN] Changed minimum BLE scan start period configuration value.
VERSION	RELEASE DATE	CONFIGURATOR CHANGES	FIRMWARE CHANGES

55.02.03. Rev 05 1.7.66_B. 55.2_R.1 0	2023-12-13	<ul style="list-style-type: none"> • [CHN] Added new AVL IDs SMS events tab • [FIX] Fixed Online vs Offline configuration discrepancies • [FIX] Fixed Ultra Deep Sleep naming mismatch • [FIX] Fixed Tool Tips inaccuracies • [ADD] Added EYE sensors support settings and filtering by sensor's name and MAC address • [CHN] Changed device wiki links to teltonika-gps • [CHN] Moved EYE Sensor I/O settings to Bluetooth 4.0 tab. • [FIX] Fixed Roaming operator/Operator Black list .csv file importing • [FIX] Fixed Maximum GPS Satellites Quantity parameter (ID: 906) value • [ADD] Added configurable accelerometer sensitivity settings • [ADD] Added events call duration limits • [ADD] Added call duration limits for keyboard buttons independently. • [ADD] Added continuous battery charging mode • [CHN] Changed minimum BLE scan start period value. 	<ul style="list-style-type: none"> • [CHN] Added possibility to send SMS AVL ID event to few numbers • [FIX] Fixed sensors scanning issue, then Beacon Detection is Disabled or set to beacons No Send mode. • [ADD] Added CSQ level parameter • [FIX] Fixed Event Notification SMS text maximum length • [ADD] Added , shutdown' SMS/GPRS command to power off device • [ADD] Added configurable accelerometer sensitivity options in sleep mode • [FIX] Fixed ,btgetlist 3' SMS command • [FIX] Changed battery voltage measurement and charging algorithm • [ADD] Added EYE sensor support • [ADD] BLE sensors Custom field data are displayed in decimal now • [FIX] Fixed batteries percentage calculation when voltage is Fully charged • [ADD] Added " dropcall" SMS command to hang up the call. • [ADD] Added call duration limits for Alarm event • [ADD] Added Call duration limits for each keyboard button • [FIX] Fixed call and SMS send issue for Feature>>Event notification • [FIX] Refactored battery percentage limits checking algorithm • [FIX] Fixed battery charging status • [FIX] Fixed BT records generation issue, when BLE devices feature is disabled • [ADD] Added ability to switch audio to Bluetooth headset/speaker with a button. • [FIX] Fixing issue when incoming call voice audio doesn't work via HFP • [FIX] AXL and LIS3DH changes to prevent unwanted wake up from sleep mode and prevent fake movement detection • [FIX] Fixed beacon buffer cleanup after the end of BLE scanning or periodic beacon record creation. • [FIX] Fixed GSM established LED indication turning off issue • [CHN] Changed minimum BLE scan start period configuration value.
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VERSION	RELEASE DATE	CONFIGURATOR CHANGES	FIRMWARE CHANGES
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55.01.02.Rev.01 1.6.11_R.30	2021.10.25	<ul style="list-style-type: none"> • Change No Movement/Movement event SMS text • Added Race Mode feature 	<ul style="list-style-type: none"> • Added Race Mode for GNSS data live tracking • Fixed LED indication stuck when Man-Down Cancel button is pressed • Fixed FW version display in FOTA WEB • Fixed possibility to configure forbidden GNSS source via SMS or GPRS • Fixed fake movement events when Low power mode is used • Fixed BLE scan stuck when Xiaomi bracelet is used • Fixed restarts when Beacon on Demand feature is used for longer time • Fixed Alarm call delay issue • Fixed FW update issue with XT26G01CWSIGT flash • Added XT26G01CWSIGT and GD5F1GQ5UE NAND flash support • Changed minimum charging temperature from -10°C to 1°C • SMS commands will return time with applied time zone • The maximum battery charging temperature changed from 50°C to 45°C • Maximum operating temperature changed from 65°C to 59°C
55.00.21.Rev.00 1.6.11_R.26	2021.08.10	<ul style="list-style-type: none"> • Added Tool tips information about Beacon record mode 'No Send'. • 'Data Acquisition' tool tips and labels changed. • Changed BLE 'Update frequency' name and tool tips. • Amber Alert tool tip changes. • Amber Alert timeout name changed. 	<ul style="list-style-type: none"> • Xiaomi Mi Band 2 support. • Added possibility to Enable or Disable Mandown/Movement/No Movement features while charging. • Fixed invalid SMS number when reporting position after call. • Accelerometer improvements. • Minor changes
55.00.18.Rev.02 1.6.11_R.23	2021.05.13	<ul style="list-style-type: none"> • No changes 	<ul style="list-style-type: none"> • Fixed issue which occurred during manufactory testing phase with Ver.55.00.18.Rev.01 where device could end with GNSS State = 0

55.00.18.Rev.01 1.6.11_R.23	2021.05.07	<ul style="list-style-type: none"> • Increased Beacon List from 25 to 100 • Added On Demand Tracking On/Off/Switch button action • Added On Demand Tracking event indication settings • Enabled vibration for Call Active indication. 	<ul style="list-style-type: none"> • Increased Configured beacons count from 25 to 100 • If Beacon record sending is configured to be 'Eventual', send only if device sees any beacons • Improved Power On/Off feature notifications • Power save mode is working with Data Acquisition time 60s and above • On Demand Tracking functionality improved with button control and On Demand Tracking event indication • ManDown functionality was improved with additional sensing methods. First one FreeFall sensing and other FreeFall with Angle combination • Mandown Cancel button functionality added • Fixed constant or uncontrolled Battery LED On state • Added configurable outgoing alarm tone sound
55.00.13.Rev.00 1.6.11_R.18	2021.01.14	<ul style="list-style-type: none"> • Added GNSS Fix Holdout settings • Added Outgoing Call in loudspeaker settings • Added No movement pre-alarm indication settings 	<ul style="list-style-type: none"> • Added Power off button disable feature. • Special function added: GPS search on hold for 30 seconds. • Fixed Power on/off event feature. • Changed Call logic between simultaneous alarms. • Fixed device Power on from USB, when feature is disabled. • Added possibility to update GNSS coordinate every 1sec. • Safe charging improvements. • Reworked On Demand Tracking. • Changed Call and SMS logic for Man-Down feature.
55.00.10.Rev.01 1.6.11_R.16	2020.11.13	<ul style="list-style-type: none"> • Added Last Known Position feature settings • Added Power On/Off event settings • Added amber alert feature settings (for GH5200) • Added Amber alert indication (for GH5200) • Added Amber alert settings on a keyboard (for GH5200) • Added Power off with Power key settings • Added Custom BLE I/O parameters • Added Man-Down Event On Exit and On Entrance parameters 	<ul style="list-style-type: none"> • Added Amber Alert feature with configurable event Timeout and pre-alarm. • Improved ManDown, AutoGeofence, Alarm button and Amber Alert maximum call list to 10 numbers. • Changed outgoing call indication to vibration only. • Added Last Known Position feature on HIGH priority event (alarm, amber alert, man-down, etc.) • When GH5200 gains current GPS position after HIGH priority event was generated, device sends another HIGH priority event with updated position and GPS fix timestamp. • Added outgoing call in loudspeaker mode once the call is established. • Reworked GNSS status SMS template.

55.00.05.Rev.01 1.5.0_C.007	2020.03.06	<ul style="list-style-type: none"> • Removed unnecessary Low Power parameters • Removed unnecessary Time Synchronization settings • Implemented On Demand tracking functionality • Removed unnecessary Number Check Settings panel • Implemented Event Notification functionality • Implemented User ID functionality • Improved BLE beacon functionality • Implemented Beacon List functionality • Improved User Interface configuration panel • Improved Keyboard configuration panel • Implemented Button IO feature • Updated default settings 	<ul style="list-style-type: none"> • Reworked factory test tool.
55.00.05.Rev.00 1.5.0_C.007	2020.02.13	<ul style="list-style-type: none"> • Removed unnecessary Low Power parameters • Removed unnecessary Time Synchronization settings • Implemented On Demand tracking functionality • Removed unnecessary Number Check Settings panel • Implemented Event Notification functionality • Implemented User ID functionality • Improved BLE beacon functionality • Implemented Beacon List functionality • Improved User Interface configuration panel • Improved Keyboard configuration panel • Implemented Button IO feature • Updated default settings 	<ul style="list-style-type: none"> • Reworked User Interface configuration. • Reworked Keyboard configuration. • Implemented Event Notification panel. • Implemented Call After Answer functionality • Implemented User ID functionality. • Implemented On Demand data acquisition functionality. • Implemented Button IO Feature. • Optimized wake up from deep sleep by movement. • Updated default settings. • Improved BLE compatibility with beacons.

Proximity

VERSION	RELEASE DATE	CONFIGURATOR CHANGES	FIRMWARE CHANGES
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55.01.02.R ev.200 1.5.15_C.2 32	2021.11.15	<ul style="list-style-type: none"> • Fixed In Use satellites not display issue • Add missing parameter IDs in tooltips 	<ul style="list-style-type: none"> • Added XT26G01CWSIGT and GD5F1GQ5UE NAND flash support • The maximum battery charging temperature changed from 50°C to 45°C • Maximum operating temperature changed from 65°C to 59°C • Fixed Remote Connection indication. • SMS commands will return time with applied time zone • Fixed FW version display in FOTA WEB • Fixed SMS send and Call issue, when GPRS send period is set to 0 sec. • Changed minimum charging temperature from -10°C to 1°C • Fixed configuration saving error. Which was happening due FW version change • Increased BLE scan stability.
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VERSION	RELEASE DATE	CONFIGURATOR CHANGES	FIRMWARE CHANGES
55.00.08.Rev. 349 1.5.15_C.228	2021.05. 07	<ul style="list-style-type: none"> • Added configurable Proximity indication pause • Added option 'Advertise only' for proximity while charging 	<ul style="list-style-type: none"> • Added configurable Proximity indication pause. • Changed default Scan Window and Scan Interval • Added option 'Advertise only' for proximity while charging • Corrections for data sending via RUTX • If Beacon record sending is configured to be 'Eventual', send only if device sees any beacons
55.00.08.Rev. 344 1.5.15_C.225	2021.01. 14	<ul style="list-style-type: none"> • Added Proximity Violator type iBeacon 	<ul style="list-style-type: none"> • Improved proximity feature stability. • Reworked device connection with RUTX. • Improved proximity advertising scanning stability. • Safe charging improvements for GH5200. • Added feature which allows to use Beacons with proximity feature. • Fixed device Power on from USB, when feature is disabled. • Proximity improvements to support several devices at the same time.
55.00.08.Rev. 337 1.5.15_C.222	2020.10. 23	<ul style="list-style-type: none"> • Added Proximity with RUTX setting • Added Proximity RDDI exit threshold setting • Added Proximity RDDI moving average samples setting 	<ul style="list-style-type: none"> • Improved RSSI level calculation logic, averaging according to configured sample size was implemented. • Added BLE advertising interval parameter. • Added duplicate scan filter to improve BLE performance.

55.00.08.Rev.335 1.5.15_C.219	2020.10.09	<ul style="list-style-type: none"> • Added Teltonika beacons setting 	<ul style="list-style-type: none"> • Improved BLE power level parameters. • Added Proximity RSSI exit threshold parameter. • Added Proximity RSSI moving average parameter. • Reworked generation of Proximity records. • Changed Proximity record priority from Low to High. • Reworked Proximity record sending according to Data Acquisition.
55.00.08.Rev.334 1.5.15_C.219	2020.09.28	<ul style="list-style-type: none"> • Added Teltonika beacons setting 	<ul style="list-style-type: none"> • Added new beacon detection option Teltonika (device only detects Teltonika devices). • Improved Proximity detection, works with Beacon Detection All and Beacon Detection Teltonika settings. • Improved Proximity contact duration calculation. • Improved Beacon detection stability.
55.00.08.Rev.332 1.5.15_C.217	2020.09.28	<ul style="list-style-type: none"> • Added Home Zone on Exit on entrance settings 	<ul style="list-style-type: none"> • Improved Proximity record sending. • Reworked Home Zone on exit and on entrance event generation. • Improved Power Off event delay. • Corrected Power On/Off event logic. • Reworked Proximity SMS, IMEI is sent instead of BLE MAC • Proximity Service ID was removed.

TAT100

VERSION	RELEASE DATE	CONFIGURATOR CHANGES	FIRMWARE CHANGES
Firmware version: 55.00.16.Rev.569 BlueNRG version: 10.0.3.Rev.00 for TAT100 HW ver.: 31 1.0.3.Rev.00 for TAT100 HW ver.: 62 Configurator version: 1.7.74_E.TAT1_R.41	2024.08.19	<ul style="list-style-type: none"> • Added TLS functionality. • Added SMS record sending. • Added MQTT Azure and AWS support. • Added I am alive feature. 	<ul style="list-style-type: none"> • Fixed X, Y and Z IO elements not being included with First Power On record. • Extended On Stop and On Move periodic timers to maximum value of 7 days. • Improvements to Static Navigation logic in no GPS situation. • New AVL ID 69 value added (4 - no GPS in Static Navigation). • Improved Recovery mode trigger logic in Lost Sensor scenario. • Added error code when BLE sensor is lost.
VERSION	RELEASE DATE	CONFIGURATOR CHANGES	FIRMWARE CHANGES

Firmware version: 55.00.16.Rev.564 BlueNRG version: 10.4.12 for TAT100 HW ver.: 31 0.4.12 for TAT100 HW ver.: 62 Configurator version: 1.7.74_B.TAT1_R.6	2024.03.12	<ul style="list-style-type: none"> • Fixed configurator crash after firmware update. • Added cell ID I/O elements • Fixed error when disabling BLE features in configuration. • Added GSM area code I/O element • Simplified EYE sensor configuration. • Added Autonomous Alarm System feature. 	<ul style="list-style-type: none"> • Fixed periodic timer starting in Recovery mode. • Improved backup tracker scan procedure. • Fixed issue with GPS fix with First Power On record. • Improved energy management in sleep mode when device is in motion. • Fixed crash on BLE sensor alarm. • Bluetooth scanning and data parsing optimization. • DNS resolve improvements. • Fixed periodic timer starting when tracking scenario selected as None. • Changed default movement sensitivity to 150 mG • Changed default GNSS mode to GLONASS, GPS and GALILEO • Fixed EYE sensor data multiplier for correct data displaying. • Fixed issue if GPRS is lost during record sending. • Fixed GPRS command processing in UDP mode. • Improved received SMS reading process. • Improved connection to Fota process. • Fixed BLE sensor data not being included in periodic records. • Improved static navigation logic. • Improved Bluetooth scan stability. • Added BLE beacons for Recovery mode trigger. • Movement logic rework. • Added condition to stop GNSS search if less than 3 satellites found in the first 60 seconds.
Firmware version: 55.00.16.Rev.545 BlueNRG version: 10.3.12 for TAT100 HW ver.: 31 0.3.12 for TAT100 HW ver.: 62 Configurator version: 1.7.16_E.TAT100.R23 RELEASE	2022.08.23	<ul style="list-style-type: none"> • No changes 	<ul style="list-style-type: none"> • Fixed issue with incorrectly detected SIM slot for eSIM devices.

Firmware version:
55.00.16.Rev.543
BlueNRG version:
10.3.12 for TAT100 HW ver.: 31
0.3.12 for TAT100 HW ver.: 62
Configurator version:
1.7.16_E.TAT100.R23
RELEASE

2022.08.08

- Updated Teltonika Configurator version to set Central device default IMEI to 300000000000000
 - Added Recovery mode option
 - Added I/O element of Recovery Mode
 - Added more options of movement sensitivity threshold [50-1000mG]
 - Configurator for BLE FW and Backup FW was merged into one.
 - SMS command created for getting device statistics
 - Protection from writing other devices FW
 - Added condition to prevent modem waking up at midnight if scheduler is configured
 - Added reconfiguration mechanism that lets FW work with / without SMPS filterMissing
 - Fixed issue of missing 4th sensor's data with Monitoring operand
 - Fixed too frequent / unnecessary scans with all sensors configured as monitoring
 - Fixed sensors scan starting with monitoring operand when Backup tracker is configured
 - Backup tracker scan not starting right after
 - Time synchronization every 24 hours
 - Fixed LBS data sending issue
 - New AVL ID 20015 for Modem UpTime (in seconds)
 - Added response sending if recovery command is sent through GPRS
 - The next periodic record after Recovery mode deactivation being sent with AVL ID 20012 - fixed
 - Reduced EQ Core update frequency
 - Fixed battery consumption issue when GSM is jammed.
 - LED status changed from constant on to blinking mode to save the battery
 - Added Recovery mode feature
 - Implemented Recovery mode activation from the Backup tracking alarm
 - Added EYE sensors support
 - Fixed Minor bugs regarding the sensors
 - Fixed Short period Recovery Mode records
 - Extended Backup Tracker: Central device IMEI range
 - Backup tracker: Scanning logic has been changed, scan duration is not configurable anymore, it is up to 60 seconds by default now.
 - Implemented Record timestamp shift feature
 - Fixed BLE sensor records with wrong event ID being sent
 - Fixed BLE sensor record duplicates with On change operand
 - Fixed BLE sensor On Exit record not generating when switching to sleep mode
 - Fixed Custom1 sensor data in SMS being sent as NaN (*empty*)
 - Fixed duplicate BLE sensor data after waking up
 - Changed required packets amount in backup tracker scenario and minimal scan duration
 - Fixed backup tracker alarm not triggering just before wakeup
 - Fixed backup tracker not detecting enough packets during BLE scan
 - Periodic records do not affect backup tracker alarm record generation
-

Firmware 2021.12.2
version: 1
55.00.16.Rev.
522
BlueNRG
version:
10.2.21.Rev.0
1
Configurator
version:
1.7.16_R.TAT1
00.R2

- Improved battery safety features
 - Fixed stuck download during FOTA update
 - Fixed device not restarting to update FW after FOTA download
 - Improved main device packet filtering
 - Improved battery voltage measurement
 - Fixed the device not restarting after FOTA WEB update when it happens at the same time as periodic record
 - Fixed random statistic losses
 - Fixed GNSS module status not being accurate in Teltonika Configurator
 - Improved static navigation mode
 - Fixed scheduler time resync timer not working properly
 - Fixed statistic not being deleted from RAM
-

Firmware 2021.10.1
version: 9
55.00.15.Rev.
519
BlueNRG
version:
10.2.14
Configurator
version:
1.7.16_R.TAT1
00.R2

- Fixed fake movement detection on startup
- Fixed problem when the device is stuck in **On Stop** tracking mode after reconfiguration
- Added Power-On reason data and fixed version changes to device statistics
- Fixed Backup tracker issue where the alarm mode is not immediately activated when the central device disappears
- Fixed empty GSM I/O elements
- Fixed an issue where UTC is added after each reconfiguration
- Added record printing to `Dump log`
- LBS data is not included in records if GNSS fix was caught
- Fixed NTP timesync failure if offset is zero
- Improved record creation (wake up from sleep) during **Backup tracker** alarms

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- Improved GNSS module control with **Static Navigation** and **LBS**
 - Added prevention from inappropriate record generation if the battery is low (HW watchdog)
 - Added statistic element for USB connected uptime
 - Added timestamp to BlueNRG serial prints
 - Minor improvement for BlueNRG firmware update via configurator
 - Added filter for LBS cell_id duplicates
 - Improved Bluetooth sensor record creation with 'On Change' operand
 - Added Bluetooth sensor support
 - Added condition to skip LBS data update if location source is only GNSS
 - Increased retries of AT+# command in order to avoid empty LBS data from modem
 - Changed `Open link timeout` to 15s
 - Fixed an issue where the tracking mode would change from the scheduler to periodic
 - Improved logic for multiple FOTA Web tasks update in the same connection
 - Implemented rule for additional connection to FOTA Web after baseband firmware update
 - Added accelerometer version information inside '.info' serial command
 - Fixed an issue with battery voltage I/O element when record saving is overlapping with a firmware update
 - Fixed Scheduler record sending at midnight
 - Fixed missed LBS values inside I/O elements
 - Fixed an issue when GNSS speed is not zero while the device is in a stationary position
 - General minor improvements

55.00.10.Rev. 509 BlueNRG: 10.2.3_Rev.00 1.7.16_E.TAT100_04	2021.05.10	<ul style="list-style-type: none"> • Added Test Connection button • Temporarily removed Secondary Server Settings • Tracking Period default value changed to 28800 (s) 	<ul style="list-style-type: none"> • Implemented Test Connection feature. • Added BlueNRG logging to DUMP files • Added LBS data logging to DUMP files • Added protection that blocks FMB firmware flash to AT devices • Added time-sync update with <i>asset purpose</i> command • Improved periodic record timer logic • Improved battery voltage measurement • Improved periodic GPRS data sending while USB is connected to the device • Disabled SMPS filter • Fixed record sending when movement is triggered at all times • Improved NTP time-sync
55.00.05.Rev. 510 BlueNRG: 0.1.7	2020.12.03	<ul style="list-style-type: none"> • Removed tracking scenarios • Removed speed source parameter • Removed record saving/sending without TS parameter • Removed LED Indication parameter • Removed NTP resync parameter 	<ul style="list-style-type: none"> • Implemented FOTA support. • Improved GNSS position capturing. • Reworked Periodic and Scheduler tracking counters. • Implemented device logging via USB. • Implemented statistics acquisition to flash memory.
55.00.05.Rev. 507 BlueNRG: 0.1.5	2020.09.29	<ul style="list-style-type: none"> • Implemented GNSS Source configuration. Available options: BeiDou, GLONASS, Galileo and GPS. • Added I/O elements: Data Mode, GSM Signal, GNSS Status, GNSS PDOP, GNSS HDOP, Speed, GSM Cell ID, GSM Area Code, Battery Voltage, Active GSM Operator, ICCID, Coordinates ISO6709. • Added SMS command authorization via Login and Password logic. 	<ul style="list-style-type: none"> • Implemented 'Codec 8', 'Codec 8 Extended' and 'Codec 12' protocols. • Implemented NTP, NITZ and GNSS time synchronization sources. • Implemented ability to send GPRS data from device via TCP or UDP channels. • Implemented connection to server timeouts. • Ported TLS encryption functionality from other Teltonika devices. • Implemented Periodic and Scheduler tracking. • Implemented BlueNRG firmware update via GPRS. This function will be used to reflash BlueNRG firmware via FOTA WEB. • Added GSM number authorization logic.

TAT140

VERSION	RELEASE DATE	CONFIGURATOR CHANGES	FIRMWARE CHANGES
Firmware version: 55.00.16.Rev. 569 BlueNRG version: 1.0.3.Rev.00 Configurator version: 1.7.74_E.TAT1_R.41	2024.08.19	<ul style="list-style-type: none"> • Added TLS functionality. • Added SMS record sending. • Added MQTT Azure and AWS support. • Added I am alive feature. 	<ul style="list-style-type: none"> • Fixed X, Y and Z IO elements not being included with First Power On record. • Extended On Stop and On Move periodic timers to maximum value of 7 days. • Improvements to Static Navigation logic in no GPS situation. • New AVL ID 69 value added (4 - no GPS in Static Navigation). • Improved Recovery mode trigger logic in Lost Sensor scenario. • Added error code when BLE sensor is lost.
VERSION	RELEASE DATE	CONFIGURATOR CHANGES	FIRMWARE CHANGES

Firmware version: 55.00.16.Rev.564 BlueNRG version: 0.4.12 Configurator version: 1.7.74_B.TAT1_R.6	2024.03.12	<ul style="list-style-type: none"> • Fixed configurator crash after firmware update. • Added cell ID I/O elements 	<ul style="list-style-type: none"> • Fixed periodic timer starting in Recovery mode. • Improved backup tracker scan procedure. • Fixed issue with GPS fix with First Power On record. • Improved energy management in sleep mode when device is in motion. • Fixed crash on BLE sensor alarm. • Bluetooth scanning and data parsing optimization. • DNS resolve improvements. • Fixed periodic timer starting when tracking scenario selected as None. • Added cell ID I/O elements
Firmware version: 55.00.16.Rev.558 BlueNRG version: 0.4.8 Configurator version: 1.7.16_B.TAT1_R.3	2023.07.18	<ul style="list-style-type: none"> * Removed non configurable elements 	<ul style="list-style-type: none"> • [FIX] Improved EYE sensor data detection to be suitable for all sensor modes • [FIX] Fixed Periodic timer still running when Recovery mode is activated in sleep from Backup tracker • [FIX] Hotfix for EG915ULA modem status commands

VERSION	RELEASE DATE	CONFIGURATOR CHANGES	FIRMWARE CHANGES
Firmware version: 55.00.16.Rev.557 BlueNRG version: 0.4.7 Configurator version: 1.7.16_B.TAT1_R.1	2023.05.10	Initial release	Initial release

TAT141

VERSION	RELEASE DATE	CONFIGURATOR CHANGES	FIRMWARE CHANGES
Firmware version: 55.00.16.Rev.569 BlueNRG version: 1.0.3.Rev.00 Configurator version: 1.7.74_E.TAT1_R.41	2024.08.19	<ul style="list-style-type: none"> • Added TLS functionality. • Added SMS record sending. • Added MQTT Azure and AWS support. • Added I am alive feature. 	<ul style="list-style-type: none"> • Fixed X, Y and Z IO elements not being included with First Power On record. • Extended On Stop and On Move periodic timers to maximum value of 7 days. • Improvements to Static Navigation logic in no GPS situation. • New AVL ID 69 value added (4 - no GPS in Static Navigation). • Improved Recovery mode trigger logic in Lost Sensor scenario. • Added error code when BLE sensor is lost.
VERSION	RELEASE DATE	CONFIGURATOR CHANGES	FIRMWARE CHANGES

Firmware version: 55.00.16.Rev.564 BlueNRG version: 0.4.12 Configurator version: 1.7.74_B.TAT1_R.6	2024.03.12	<ul style="list-style-type: none"> • Fixed configurator crash after firmware update. • Added cell ID I/O elements 	<ul style="list-style-type: none"> • Fixed periodic timer starting in Recovery mode. • Improved backup tracker scan procedure. • Fixed issue with GPS fix with First Power On record. • Improved energy management in sleep mode when device is in motion. • Fixed crash on BLE sensor alarm. • Bluetooth scanning and data parsing optimization. • DNS resolve improvements. • Fixed periodic timer starting when tracking scenario selected as None. • Added cell ID I/O elements
Firmware version: 55.00.16.Rev.558 BlueNRG version: 0.4.8 Configurator version: 1.7.16_B.TAT1_R.3	2023.07.18	* Removed non configurable elements	<ul style="list-style-type: none"> • [FIX] Improved EYE sensor data detection to be suitable for all sensor modes • [FIX] Fixed Periodic timer still running when Recovery mode is activated in sleep from Backup tracker • [FIX] Hotfix for EG915ULA modem status commands

VERSION	RELEASE DATE	CONFIGURATOR CHANGES	FIRMWARE CHANGES
Firmware version: 55.00.16.Rev.557 BlueNRG version: 0.4.7 Configurator version: 1.7.16_B.TAT1_R.1	2023.05.10	Initial release	Initial release

TAT240

VERSION	RELEASE DATE	CONFIGURATOR CHANGES	FIRMWARE CHANGES
Firmware version: 55.00.16.Rev.569 BlueNRG version: 1.0.3.Rev.00 Configurator version: 1.7.74_E.TAT1_R.41	2024.08.19	<ul style="list-style-type: none"> • Added TLS functionality. • Added SMS record sending. • Added MQTT Azure and AWS support. • Added I am alive feature. • Added SMS alert on Tamper event. 	<ul style="list-style-type: none"> • Fixed X, Y and Z IO elements not being included with First Power On record. • Extended On Stop and On Move periodic timers to maximum value of 7 days. • Improvements to Static Navigation logic in no GPS situation. • New AVL ID 69 value added (4 - no GPS in Static Navigation). • Improved Recovery mode trigger logic in Lost Sensor scenario. • Added error code when BLE sensor is lost.
VERSION	RELEASE DATE	CONFIGURATOR CHANGES	FIRMWARE CHANGES

Firmware version: 55.00.16.Rev.564 BlueNRG version: 0.4.12 Configurator version: 1.7.74_B.TAT1_R.6	2024.03.12 • No changes	<ul style="list-style-type: none"> • Fixed periodic timer starting in Recovery mode. • Improved backup tracker scan procedure.
Firmware version: 55.00.16.Rev.562 BlueNRG version: 0.4.11 Configurator version: 1.7.74_B.TAT1_R.6	2023.12.20 • Initial release	<ul style="list-style-type: none"> • Initial release