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

| 55.02.03.Rev.06 1.7.66_B.55.2_R.11 | 2024-01-15 | • [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

| 55.01.10.Rev.00 1.6.11 R.39 | 2022.09.09 | • [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 |

VERSION	RELEASE DATE	CONFIGURATOR CHANGES	FIRMWARE CHANGES
55.01.02.Rev. 02 **1.6.11_R.30**	2021.11.03	• 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 protcol 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.	• 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	• 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.	• 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 *Request DA* parameter to Manual J1939 (availability to send request to specific adress). • Added *Payload* and *RTR* parameters to Manual CAN (availability to send requests with data). • Option to start Manual CAN commands on startup was added. • Added command .can_dbg:<1/0>, which turn on/off the additional CAN debug functionality.

55.00.09.Rev. 08 **1.6.11_R.14**	2020.10. 16	• 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.	• 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	• Optimized Digital Output tool tips; • Optimized UART panel title to be more accurate; • Removed duplicated I/O parameters; • Added RS485 Super Soco protocol;	• 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;

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55.00.06.Rev. 01 **1.5.0_C.007**	2020.02.07	• 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;	• 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		• 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

VERSION	RELEASE DATE	CONFIGURATOR CHANGES	FIRMWARE CHANGES
55.01.10.Rev. 00 **1.6.11 R.39**	2022.09. 12	• [ADD]: Added timestamp backup description. • [CHN]: Corrected misleading and outdated tooltips. • [ADD]: Added Hergele scooter protocol. • [ADD]: Added [SIM card tamper protection](#) feature.	• [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
VERSION	**RELEASE DATE**	**CONFIGURATOR CHANGES**	**FIRMWARE CHANGES**
55.01.02.Rev. 01 **1.6.11_R.30**	2021.11. 03	• 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.	• 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 | • 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. |

Version	Date	Changes	
55.00.14.Rev. 00 **1.6.11_R.19**	2021.02. 03	• Added Baudrate options. • Added Battery lock status Scooter IO element.	• 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 *scsetspdlimt2s* 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	• 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;	• 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 scgetbtcode and sclookfor 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 - scdbg <arg>; <arg> = 1 - enable, 0 - disable; • Updated scbuzzerctrl command functionality with Xiaomi kick e-scooter; • Updated battery overheat detection.
55.00.09.Rev. 1 **1.6.11_R.8**	2020.06. 16	• Added permanent link with the server feature • Implemented Solebe Y905 Bluetooth lock feature with required parameters (Lock status, Lock battery) • Minor changes	• 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	• [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	• [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 • [FIX] 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.
VERSION	RELEASE DATE	CONFIGURATOR CHANGES	FIRMWARE CHANGES

VERSION	RELEASE DATE	CONFIGURATOR CHANGES	FIRMWARE CHANGES
55.02.03. Rev 05 1.7.66_B.55.2_R.10	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.
VERSION	**RELEASE DATE**	**CONFIGURATOR CHANGES**	**FIRMWARE CHANGES**
55.01.02.Rev. 01 1.6.11_R.30	2021.10.25	• Change No Movement/Movement event SMS text • Added Race Mode feature	• 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	• 'Data Acquisition' tool tips and labels changed. • Changed BLE 'Update frequency' name and tool tips. • Fixed 'Beacon on demand' labels.	• 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	• No changes	• 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	• Increased Beacon List from 25 to 100 • Added On Demand Tracking On/Off/Switch button action • Added On Demand Tracking event indication settings	• 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	• 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	• 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	• Minor changes	• 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	• Minor changes	• 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	• Added Man-Down Event On Exit and On Entrance parameters	• 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.

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55.00.05.Rev. 00 **1.5.0_C.007**	2020.02. 13	• 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	• 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.

GH5200

Base

VERSION	RELEASE DATE	CONFIGURATOR CHANGES	FIRMWARE CHANGES

VERSION	RELEASE DATE	CONFIGURATOR CHANGES	FIRMWARE CHANGES
55.02.03 .Rev.05 **1.7.66** **B.55.2** **R.10**	2024-01-30	• [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	• [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.

VERSION	RELEASE DATE	CONFIGURATOR CHANGES	FIRMWARE CHANGES
55.02.03. Rev 05 **1.7.66_B.55.2_R.10**	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 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.	• [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.

55.01.02.Rev. 01 **1.6.11_R.30**	2021.10. 25	• Change No Movement/Movement event SMS text • Added Race Mode feature	• 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	• 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.	• 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	• No changes	• 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	• 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.	• 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	• Added GNSS Fix Holdout settings • Added Outgoing Call in loudspeaker settings • Added No movement pre-alarm indication settings	• 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	• 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	• 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.

VERSION	RELEASE DATE	CONFIGURATOR CHANGES	FIRMWARE CHANGES
55.00.05.Rev. 01 **1.5.0_C.007**	2020.03. 06	• 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	• Reworked factory test tool.
55.00.05.Rev. 00 **1.5.0_C.007**	2020.02. 13	• 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	• 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

| 55.01.02.Rev.200 1.5.15_C.232 | 2021.11.15 | • Fixed In Use satellites not display issue
 • Add missing parameter IDs in tooltips | • 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. |

VERSION	**RELEASE DATE**	**CONFIGURATOR CHANGES**	**FIRMWARE CHANGES**
55.00.08.Rev. 349 **1.5.15_C.228**	2021.05.07	• Added configurable Proximity indication pause • Added option 'Advertise only' for proximity while charging	• 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	• Added Proximity Violator type iBeacon	• 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	• Added Proximity with RUTX setting • Added Proximity RDDI exit threshold setting • Added Proximity RDDI moving average samples setting	• 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.

VERSION	RELEASE DATE	CONFIGURATOR CHANGES	FIRMWARE CHANGES
55.00.08.Rev. 335 **1.5.15_C.219**	2020.10.09	• Added Teltonika beaons setting	• 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	• Added Teltonika beaons setting	• 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	• Added Home Zone on Exit on entrance settings	• 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.TAT 1_R.7	2024.08.19	• Added an option to configure TLS functionality. • Added an option to configure SMS record sending. • Added an option to configure MQTT Azure and AWS support. • Added an option to configure I am alive feature.	• Added TLS functionality feature. • Added SMS record sending feature. • Added MQTT Azure and AWS support. • Added I am alive feature. • 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	Date		
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	2024.03.1 2	• 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.	• 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.TAT1 00.R23 RELEASE	2022.08.2 3	• No changes	• 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 version: 55.00.16.Rev.522 BlueNRG version: 10.2.21.Rev.01 Configurator version: 1.7.16_R.TAT100.R2	2021.12.21	• 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 version: 55.00.15.Rev. 519 BlueNRG version: 10.2.14 Configurator version: 1.7.16_R.TAT100.R2 | 2021.10.19 | • 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.TAT1 00_04	2021.05.1 0	• Added `Test Connection` button • Temporarily removed `Secondary Server Settings` • Tracking Period default value changed to 28800 (s)	• 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 *asset purpose* 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	2020.12.0 3	• Removed tracking scenarios • Removed speed source parameter • Removed record saving/sending without TS parameter • Removed LED Indication parameter • Removed NTP resync parameter	• 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	2020.09.2 9	• 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 autorization via Login and Password logic.	• 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	RELEAS E 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.TAT 1_R.7	2024.08. 19	• Added an option to configure TLS functionality. • Added an option to configure SMS record sending. • Added an option to configure MQTT Azure and AWS support. • Added an option to configure I am alive feature.	• Added TLS functionality feature. • Added SMS record sending feature. • Added MQTT Azure and AWS support. • Added I am alive feature. • 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.TAT 1_R.6	2024.03. 12	• Fixed configurator crash after firmware update. • Added cell ID I/O elements	• 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.TAT 1_R.3	2023.07. 18	* Removed non configurable elements	• [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

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.TAT 1_R.7	2024.08. 19	• Added an option to configure TLS functionality. • Added an option to configure SMS record sending. • Added an option to configure MQTT Azure and AWS support. • Added an option to configure I am alive feature.	• Added TLS functionality feature. • Added SMS record sending feature. • Added MQTT Azure and AWS support. • Added I am alive feature. • 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.TAT 1_R.6	2024.03. 12	• Fixed configurator crash after firmware update. • Added cell ID I/O elements	• 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.TAT 1_R.3	2023.07. 18	* Removed non configurable elements	• [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.TAT 1_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.TAT 1_R.7	2024.08.19	• Added an option to configure TLS functionality. • Added an option to configure SMS record sending. • Added an option to configure MQTT Azure and AWS support. • Added an option to configure I am alive feature. • Added an option to configure SMS alert on Tamper event.	• Added SMS alert on Tamper event feature. • 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	• 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	• Initial release