

TST100 Stable firmware

[Main Page](#) > [E-Mobility Trackers](#) > [TST100](#) > [TST100 Firmware and configurator](#) > **TST100 Stable firmware**

<small>FIRMWARE VERSION: CONFIGURATOR VERSION: RELEASE DATE:</small>	<small>STABLE BASE FIRMWARE</small>	<small>55.01.10 Rev.00 1.6.11 R.39 2022.09.12</small>	<small>DOWNLOAD Firmware Configurator DOWNLOAD ALL DOWNLOAD ALL</small>
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CHANGELOG

VERSION	RELEASE DATE	CONFIGURATOR CHANGES	FIRMWARE CHANGES
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• [ADD]: Added timestamp backup description.• [CHN]: Corrected misleading and outdated tooltips.• [ADD]: Added Hergele scooter protocol.• [ADD]: Added SIM card tamper protection feature.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
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. 	<ul style="list-style-type: none"> • 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.

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></i> = 1 - enable, 0 - disable; • 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;