TST100 Stable firmware

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	STABLE BASE FIRMWARE	DOWNLOAD
FIRMWARE VERSION:	55.01.10.Rev.00	Firmware
CONFIGURATOR VERSION:	1.6.11_R.39	Configurator
RELEASE DATE:	2022.09.12	DOWNLOAD ALL

CHANGELOG			
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 • [CHN]: Corrected misleading and outdated tooltips.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.

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;