

TFT100 Stable firmware

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FIRMWARE VERSION:		STABLE FIRMWARE	DOWNLOAD
CONFIGURATOR VERSION:		5.1.02.03 Rev.06	Download
RELEASE DATE:		1.7.46, B.33.2, R.11	Configure
		2024-01-13	Download ZIP
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CHANGELOG

VERSION	RELEASE DATE	CONFIGURATOR CHANGES	FIRMWARE CHANGES
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- [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

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- [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	- 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 known 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 display. 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 Endianness, 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 <i>Request DA</i> parameter to Manual J1939 (availability to send request to specific address). - 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	• 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;

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;