

GH5200 Stable firmware

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Stable Base firmware

FIRMWARE VERSION:	STABLE BASE FIRMWARE	55.02.03 Rev.03	DOWNLOAD
CONFIGURATOR VERSION:		1.7.06 B.35.2_R.10	DOWNLOAD
RELEASE DATE:		2023-12-13	DOWNLOAD FILE

BASE CHANGELOG

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.

Stable Proximity firmware

<small> FIRMWARE VERSION: CONFIGURATOR VERSION: RELEASE DATE: </small>	<small> STABLE PROXIMITY FIRMWARE 55.01.02.Rev.200 1.5.0_C.212 2021.11.15 </small>	<small> DOWNLOAD Firmware Configurator DOWNLOAD ALL </small>
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PROXIMITY CHANGELOG

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	• 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	• 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	• 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.