

GS2L firmware releases notes

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1 Release notes

1.1 Ver. 1.5.7 (2024-01-15)

- Start migration from host provisioning to docker container
- First release

1.2 Ver. 1.5.8 (2024-01-30)

- CI created for automated building

1.3 Ver. 1.5.9 (2024-02-12)

- Fully migrated to docker
- Fix slow build times on CI

1.4 Ver. 1.5.10 (2024-02-12)

- Internal release

1.5 Ver. 1.5.11 (2024-02-21)

Docker changes

- Change used protocol on TT-SF side from JSON to CSV - consumes less UART bandwidth

Host changes

- Nothing

1.6 Ver. 1.5.12 (2024-02-22)

Docker changes

- Sending LTE parameters

Host changes

- Nothing

1.7 Ver. 1.5.13 (2024-02-28)

Docker changes

- Minor project structure cleanup

Host changes

- Nothing

1.8 Ver. 1.5.14 (2024-02-28)

Docker changes

- Add STATION topic
- Fix sending some fields from empty string instead of None

Host changes

- Nothing

1.9 Ver. 1.5.15 (2024-02-28)

Docker changes

- Change commands for TT receiving serial port
- Remove Idme watchdog

Host changes

- Nothing

1.10 Ver. 1.5.16 (2024-03-08)

Docker changes

- Fix leaving LTE thread running
- Fix UAT bug in CSV to JSON

Host changes

- Add watchdog mechanism

1.11 Ver. 1.5.17 (2024-03-11)

Docker changes

- Fix connecting MQTT fails first time

Host changes

- Add automation for updating stations

1.12 Ver. 1.5.18 (2024-03-15)

- Minor cleanup

1.13 Ver. 1.5.19 (2024-03-26)

Docker changes

- Fix header for JSON lines
- Fix userServer password for MQTT not changed
- Fix userServer parsing Port as float
- Change userServer paths to Config.py

Host changes

- Nothing

1.14 Ver. 1.5.20 (2024-04-02)

Docker changes

- Add Telit LTE parameters grabbing

Host changes

- Add Telit LTE parameters grabbing

1.15 Ver. 1.5.21 (2024-04-10)

Docker changes

- Add extended logs from containers

Host changes

- Nothing

1.16 Ver. 1.5.22 (2024-04-23)

Docker changes

- Updated IdME

Host changes

- Nothing

1.17 Ver. 1.5.23 (2024-04-25)

Docker changes

- Sending BT4 DroneId messages

Host changes

- Nothing

1.18 Ver. 1.5.24 (2024-05-06)

Docker changes

- Station parses GNSS frames and sends its position

Host changes

- Nothing

1.19 Ver. 1.5.25 (2024-05-16)

- Major device provisioning cleanup

Docker changes

- Updated ADSB/FLARM subsystem firmware
- Added ability to customize IP address used to check for network connection
- Change in conf.json file format

Host changes

- Added ability to customize IP address used to check for network connection
- Change in conf.json file format

1.20 Ver. 1.5.26 (2024-05-21)

Docker changes

- Verify MQTT health during connection and retry if fails

Host changes

- Nothing

1.21 Ver. 1.5.27 (2024-05-21)

Docker changes

- Nothing

Host changes

- Add snmp server for host monitoring
- Add zabbix-agent2 server for host and docker monitoring
- Configured locales for en_US.UTF-8

1.22 Ver. 1.5.28 (2024-05-22)

Docker changes

- Add setting time from GNSS

Host changes

- Add setting time from GNSS

1.23 Ver. 1.5.29 (2024-05-31)

Docker changes

- Add configuration for modules on USB

Host changes

- Add configuration for modules on USB

1.24 Ver. 1.5.30 (2024-06-07)

Docker changes

- Fixed connecting to MQTT over LTE

Host changes

- Nothing

1.25 Ver. 1.5.31 (2024-06-10)

Docker changes

- Ping address for testing network moved to GUI settings

Host changes

- Ping address for testing network moved to GUI settings

1.26 Ver. 1.5.32 (2024-06-14)

Docker changes

- Always parsing GNSS for STATION topic, even if taking time from GNSS is off

Host changes

- Nothing

1.27 Ver. 1.5.33 (2024-06-24)

Docker changes

- Added parsed frames statistics

Host changes

- Nothing

1.28 Ver. 1.5.34 (2024-07-08)

Docker changes

- Added possibility to disable GPIO and I2C support through environment variables
- Compile image for 3 architectures
 - linux/amd64

- linux/arm/v7
- linux/arm64

Host changes

- Nothing

1.29 Ver. 1.6.0 (2024-07-19)

Docker changes

- Fixed statistics in mode without I2C

Host changes

- Nothing

1.30 Ver. 1.6.1 (2024-07-19)

Docker changes

- Fixed STATION frames in mode without I2C

Host changes

- Nothing

1.31 Ver. 1.7.0 (2024-08-08)

Docker changes

- Updated IdME, receiving more drones
- Fixed IdME frames statistics

Host changes

- Nothing

1.32 Ver. 1.7.1 (2024-08-28)

Docker changes

- Added local MQTT broker

Host changes

- Nothing

1.33 Ver. 1.8.0 (2024-08-26)

Docker changes

- Added Raspberry Pi 5

Host changes

- Added Raspberry Pi 5

1.34 Ver. 1.8.1 (2024-09-10)

Docker changes

- Updated module firmware
- Changed statistics frame
- Changed sensor names

Host changes

- Nothing

1.35 Ver. 1.9.0 (2024-09-18)

Docker changes

- Nothing

Host changes

- Major refactor of provisioning
- Fix version not updated in splash screen
- Fix slow sudo

1.36 Ver. 1.9.1 (2024-09-26)

Docker changes

- Added tool to redirect MQTT

Host changes

- Nothing

1.37 Ver. 1.9.2 (2024-10-07)

Docker changes

- Added parsing PUBX position frames from IdME

Host changes

- Nothing

1.38 Ver. 1.9.3 (2024-10-08)

Docker changes

- LTE parameter parsing fixed for E3372

Host changes

- New session names in tmutex

1.39 Ver. 1.9.4 (2024-11-07)

Docker changes

- Full GNSS JSON frames
- Statistic "special" for GNSS means "no GNSS fix"

Host changes

- Nothing

1.40 Ver. 1.9.5 (2024-11-08)

Docker changes

- Fixed connection to IdME on USB

Host changes

- Nothing

1.41 Ver. 1.9.6 (2024-11-13)

Docker changes

- Nothing

Host changes

- Fixed error in getting Telit LTE connection parameters

1.42 Ver. 1.10.0 (2024-11-19)

Docker changes

- Added metrics server

Host changes

- Nothing

1.43 Ver. 1.11.0 (2024-11-20)

Docker changes

- Added pressure sensor and TT-SG2 firmware

Host changes

- Nothing

1.44 Ver. 1.12.0 (2024-11-21)

Docker changes

- Same frames in one array
- Each line in new MQTT message

Host changes

- Nothing

1.45 Ver. 1.12.2 (2024-11-26)

Docker changes

- Upper letters in UAT ICAO field
- Added MSL height computed from pressure

Host changes

- Nothing

1.46 Ver. 1.13.0 (2024-11-29)

Docker changes

- Added module to src

Host changes

- Nothing

1.47 Ver. 1.13.1 (2024-11-29)

Docker changes

- Codebase reformatted

Host changes

- Nothing

1.48 Ver. 1.13.2 (2024-11-29)

Docker changes

- Different topic for FLARM

Host changes

- Nothing

1.49 Ver. 1.13.3 (2024-12-06)

Docker changes

- Cleaner module configuration logs

Host changes

- Nothing

1.50 Ver. 1.13.4 (2024-12-06)

Docker changes

- Codebase reformatted to different standard

Host changes

- Nothing

1.51 Ver. 1.13.5 (2024-12-09)

Docker changes

- Fixed bug in reading firmware version during update

Host changes

- Nothing

1.52 Ver. 1.13.6 (2024-12-10)

Docker changes

- Improved starting time

Host changes

- Nothing

1.53 Ver. 1.13.7 (2024-12-10)

Docker changes

- Configurable module name in field "src" and statistics

Host changes

- Nothing

1.54 Ver. 1.13.8 (2024-12-11)

Docker changes

- Added verbose mode for parsers

Host changes

- Nothing

1.55 Ver. 1.13.9 (2024-12-11)

Docker changes

- Bugfix for 1.13.8

Host changes

- Nothing

1.56 Ver. 1.13.10 (2024-12-11)

Docker changes

- Updated TT modules firmware

Host changes

- Nothing

1.57 Ver. 1.13.11 (2024-12-20)

Docker changes

- Multithreaded serial ports and MQTT

Host changes

- Nothing

1.58 Ver. 1.13.12 (2024-12-23)

Docker changes

- Multithreaded serial ports and MQTT

Host changes

- Nothing

1.59 Ver. 1.13.13 (2025-01-15)

Docker changes

- Annotations, documentation

Host changes

- Annotations, documentation

1.60 Ver. 1.13.14 (2025-01-20)

Docker changes

- Refactoring

Host changes

- Better watchdog logs

1.61 Ver. 1.13.15 (2025-01-22)

Docker changes

- Bugfix when LTE set as none

Host changes

- Nothing

1.62 Ver. 1.13.16 (2025-01-27)

Docker changes

- Optimized Docker image

Host changes

- Nothing

1.63 Ver. 1.13.17 (2025-01-27)

Docker changes

- Fixed running with no connections.

Host changes

- Nothing

1.64 Ver. 1.13.18 (2025-01-30)

Docker changes

- Fixed optimized Docker image for BBB.

Host changes

- Nothing

1.65 Ver. 1.13.19 (2025-02-11)

Docker changes

- Refactoring, cleaning
- Added logging from MQTT to file

Host changes

- Nothing

1.66 Ver. 1.13.20 (2025-02-26)

Docker changes

- Updated module firmware

Host changes

- Nothing

1.67 Ver. 1.14.0 (2025-02-27)**Docker changes**

- Support for board 3.4

Host changes

- Support for board 3.4

1.68 Ver. 1.14.1 (2025-02-28)**Docker changes**

- Nothing

Host changes

- Nothing

1.69 Ver. 1.14.2 (2025-03-04)**Docker changes**

- Nothing

Host changes

- Nothing

1.70 Ver. 1.14.3 (2025-03-05)**Docker changes**

- Nothing

Host changes

- Nothing

1.71 Ver. 1.14.4 (2025-03-13)**Docker changes**

- In Remote ID reversed altitude geo and baro

Host changes

- Nothing

1.72 Ver. 1.14.5 (2025-03-25)

Docker changes

- Code standards updated

Host changes

- Nothing

1.73 Ver. 1.15.0 (2025-03-31)

Docker changes

- Added LTE radio parameters to metrics

Host changes

- Nothing

1.74 Ver. 1.16.0 (2025-03-31)

Docker changes

- Firmware with new non-expiring FLARM

Host changes

- Nothing

1.75 Ver. 1.17.0 (2025-05-29)

Docker changes

- Added IDME-R

Host changes

- Nothing

1.76 Ver. 1.18.0 (2025-06-12)

Docker changes

- Updated IDME firmware for better Parrot drone reception

Host changes

- Nothing

1.77 Ver. 1.18.1 (2025-08-01)

Docker changes

- Fixed starting container on unknown platform error

Host changes

- Nothing