

# 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 tmux