

# **L80** Release Notes

## **GPS Module Series**

Rev.L80\_Firmware\_Release\_Notes\_V0110S

Date: 2018-07-13

## 1. Preamble

This document provides the Release Notes for L80 firmware version **L80GR01A10S**. It describes major changes compared to L80 firmware version **L80GR01A07S**. For more information, refer to the other documents about L80.

## 2. New Features

NO.	Brief description	Since
1	Add the SDK command <b>\$PQFLP</b> to enter intoor exit fitness low power (FLP) mode.	R01A05S
2	Add the SDK command <b>\$PQBAUD</b> to modify and save baudrate.	R01A05S
3	Add the SDK command <b>\$PQ1PPS</b> to modify output mode of 1PPS.	R01A05S
4	Add the SDK command <b>\$PQEPE</b> to set PQEPE sentence output.	R01A05S
5	Add packet type <b>\$PMTK351,\$PMTK352,\$PMTK262,\$PMTK285</b> and <b>\$PMTK875</b> .	R01A05S
6	Add the SDK command <b>\$PQTXT</b> to set GPTXT sentence output.	R01A05S
7	Add the PMTK command <b>\$PMTK886</b> to set navigation mode.	R01A05S
8	Add the SDK command <b>\$PQECEF</b> to set ECEFPOSVEL sentence output	R01A10S
9	Add the SDK command <b>\$PQVEL</b> to set 3 ways velocity sentence output	R01A10S
10	Add the SDK command <b>\$PQODO</b> to start/stop odometer reading	R01A10S
11	Add the SDK command <b>\$PQPZ90</b> to enable/disable switching from WGS84 to PZ-90.11	R01A10S
12	Add the SDK command <b>\$PQJAM</b> to enable/disable jamming detection function	R01A10S
13	Added the SDK command <b>\$PQGEO</b> to configure parameters of geo-fencing.	R01A10S

### 3. Improved Features

NO.	Brief description	Since
1	Improve 1pps time accuracy.	R01A05S
2	Improve the positioning performance under the weak signal environment.	R01A05S
3	Adjust the GPTXT sentence output by default.	R01A07S
4	Fix the issue that the real time in period mode is not correct set by <b>PMTK225</b> .	R01A10S

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## 4. Functions

### Basic Function

AIC	EASY	EPO	SBAS	Always Locate	LOCUS	PPS sync NMEA
Y <sup>[1]</sup>	Y	Y	Y	Y	Y	Y

### SDK Command Function

PQBAUD	PQEPE	PQ1PPS	PQECEF	PQODO	PQPZ90	PQVEL	PQGEO	PQJAM
Y	Y	Y	Y	Y	Y	Y	Y	Y
PQFLP	PQTXT							
Y	Y							

### Special Function

Jamming Detection
Y

### NOTES

- <sup>[1]</sup>“Y” means the firmware supports this function.