

GV500CG Firmware Release Notes

GSM/GPRS/LTE CAT1/GNSS Tracker

TRACGV500CGRNR01A03V15

Version: 1.3.15



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1 Preamble

This Release Note introduces GV500CG firmware version **GV500CGR01A03V15M128** and briefly describes the benefits over preceding release. Also you can find difference compared with preceding release.

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2 Current Release

2.1 GV500CGR01A03V15M128

2.1.1 @Track Protocol Support

GV500CG firmware **GV500CGR01A03V15M128** supports @Track air interface protocol version 3.02. For detailed information about the protocol, please refer to the document **GV500CG@Track_Air_Interface_Protocol_v0302**.

2.1.2 New Features

The following table lists new features compared with the preceding firmware release, version **GV500CGR01A03V14M128**.

Item	Brief Description
1	N/A

2.1.3 Improved Features

The following table lists features or parameters that have been changed or improved compared with preceding firmware release, version **GV500CGR01A03V14M128**.

Item	Brief Description
1	Optimized battery charging logic.

3 Release History

3.1 GV500CGR01A03V14M128

3.1.1 @Track Protocol Support

GV500CG firmware **GV500CGR01A03V14M128** supports @Track air interface protocol version 3.02. For detailed information about the protocol, please refer to the document **GV500CG@Track_Air_Interface_Protocol_v0302**.

3.1.2 New Features

The following table lists new features compared with the preceding firmware release, version **GV500CGR01A03V12M128**.

Item	Brief Description
1	N/A

3.1.3 Improved Features

The following table lists features or parameters that have been changed or improved compared with preceding firmware release, version **GV500CGR01A03V12M128**.

Item	Brief Description
1	Optimized accelerometer self-calibration feature.

3.2 GV500CGR01A03V12M128

3.2.1 @Track Protocol Support

GV500CG firmware **GV500CGR01A03V12M128** supports @Track air interface protocol version 3.02. For detailed information about the protocol, please refer to the document **GV500CG@Track_Air_Interface_Protocol_v0302**.

3.2.2 New Features

The following table lists new features compared with the preceding firmware release, version **GV500CGR01A02V09M128**.

Item	Brief Description
1	Added the parameter <Compressed Report> to the command AT+GTFRI.
2	Added the parameters <Message Type> and <Expand OUI Numbers> to the command AT+GTBID.
3	Added the model 3 to the parameter <Beacon ID Model> in the command AT+GTBID.
4	Added the parameters <Ignition Mode> and <SLM Report Mode> to the command AT+GTS LM.
5	Modified the minimum value of parameters <GNSS Time Before Crash> and <GNSS Time After Crash> to 0 in the AT+GTCRA command.

3.2.3 Improved Features

The following table lists features or parameters that have been changed or improved compared with preceding firmware release, version **GV500CGR01A02V09M128**.

Item	Brief Description
1	Optimized the movement detection feature.
2	Deleted the parameter <Read Interval> from the command AT+GTBAS.
3	Optimized the Jamming detection function.
4	Fixed an issue where the APN information could not be cleared by setting the parameter value to "%CLR%".
5	Modified the value range of parameter <GNSS Satellite Number>.
6	Fixed an issue where the device could not be registered through automatic network mode using some SIM cards.
7	Optimized the SLM function.
8	Fixed an issue where the device might not power on when connected to the external power supply after being powered off due to low battery.

3.3 GV500CGR01A02V09M128

3.3.1 @Track Protocol Support

GV500CG firmware **GV500CGR01A02V09M128** supports @Track air interface protocol version 2.01. For detailed information about the protocol, please refer to the document **GV500CG@Track_Air_Interface_Protocol_v0201**.

3.3.2 New Features

The following table lists new features compared with the preceding firmware release, version **GV500CGR01A01V37M128**.

Item	Brief Description
1	Added parameters <Report GNSS Mode>, <GNSS Time Before Crash> and <GNSS Time After Crash> to the command AT+GTCRA.
2	Added bit17 to <Event Mask> in the AT+GTCFG command to report +RESP:GTDRM.
3	Added bit19 to <ERI Mask> in the AT+GTFRI command to report battery voltage information.
4	Added the parameters <Ignition Mode> and <SLM Report Mode> to the command AT+GTSLM.
5	Modified the minimum value of parameters <GNSS Time Before Crash> and <GNSS Time After Crash> to 0 in the AT+GTCRA command.

3.3.3 Improved Features

The following table lists features or parameters that have been changed or improved compared with preceding firmware release, version **GV500CGR01A01V37M128**.

Item	Brief Description
1	Fixed an issue where the device did not work as expected if changing <Power Mode> from 0 to 1 after virtual ignition was turned on.

3.4 GV500CGR01A01V37M128

3.4.1 @Track Protocol Support

GV500CG firmware **GV500CGR01A01V37M128** supports @Track air interface protocol version 1.00. For detailed information about the protocol, please refer to the document **GV500CG@Track_Air_Interface_Protocol_v0100**.

This is the initial firmware release of GV500CG.

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