

GL33CG Firmware Release Notes

GSM/GPRS/GNSS Tracker

TRACGL33CGRNR01A03V14

Version: 1.3.14



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1 Preamble

This Release Note introduces GL33CG firmware version **GL33CGR01A03V14M128** 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 GL33CGR01A03V14M128

2.1.1 @Track Protocol Support

GL33CG firmware **GL33CGR01A03V14M128** supports @Track air interface protocol version 3.03. For detailed information about the protocol, please refer to the document **GL33CG@Track_Air_Interface_Protocol_v0303**.

2.1.2 New Features

The following table lists new features compared with the preceding firmware release, version **GL33CGR01A01V32M128**.

Item	Brief Description
1	Added the parameter <Time Advance> to the messages +RESP:GTGSM and +RESP:GTFRI.
2	Added the parameter <Battery Percentage> to the message +RESP:GTSTC.
3	Added mode 2 to parameter <Emergency Mode> in the command AT+GTJDC.
4	Added the parameter <Temperature> to the messages +RESP:GTGSM and +RESP:GTFRI.
5	Added the parameter <Buffer Mode> to the command AT+GTSRI.
6	Added the parameter <RAT and Band Data> to the message +RESP:GTFRI.

2.1.3 Improved Features

The following table lists features or parameters that have been changed or improved compared with preceding firmware release, version **GL33CGR01A01V32M128**.

Item	Brief Description
1	Fixed an issue where the GPS was reopened after reboot if the device entered emergency mode after AT+GTGEO function was enabled.
2	Fixed an issue where the reported battery level was empty when the battery level was 0.
3	Fixed an issue where the default value of <GNSS Working Mode> was incorrect.
4	Fixed an issue where the device could not exit emergency mode after disabling the AT+GTJDC function.

Item	Brief Description
5	Optimized the transmission frequency deviation of RF433.
6	Fixed an issue where the <Battery Percentage> reported in messages +RESP:GTFRI and +RESP:GTPNL was incorrect when the battery percentage was not obtained after device reboot.
7	Improved production efficiency.
8	Fixed an issue where the device with a short TCP connection would immediately switch to the primary server if it was in a normal backup server connection state.
9	Optimized parsing protocol command from SMS to ignore unexpected characters before the command.
10	Optimized the ability to use the default DNS Server to resolve addresses when the DNS Server address was set to 255.X.X.X.
11	Fixed an issue where the heartbeat message reporting interval was different from the configuration in AT+GTSRI.
12	Fixed an issue where the DOG-4 reboot was triggered when <RF Control Mode> in AT+GTCFG was set to 1.

3 Release History

3.1 GL33CGR01A01V32M128

3.1.1 @Track Protocol Support

GL33CG firmware **GL33CGR01A01V32M128** supports @Track air interface protocol version 1.00. For detailed information about the protocol, please refer to the document **GL33CG @Track Air Interface Protocol V1.00**.

This is the initial firmware release of GL33CG.