



GV50M Firmware Release Note

EGPRS/LTE Cat-M1/LTE Cat-NB1/GNSS/Tracker

Firmware Version: R20A09V03

International Telematics Solutions Innovator

www.queclink.com

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0. Preface

This Release Note introduces the latest change of GV50M firmware and briefly describes the improvements over preceding versions. You can also find the whole history of all the changes of GV50M firmware in this document.

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1. For Firmware Version R20A09V03

GV50M Firmware Version	GV50M_R20A09V03
Applicable @Track Air Protocol Version	GV50M @Track Air Interface Protocol_V17.0D
Applicable Manage Tool Version	Queclink_GV50M_Manage_Tool_V1.39
Problems Fixed	1. Optimized the RF performance of repeatedly SMS.
New Features	1. Added 'APN Authentication methods ' in AT+GTBSI . 2. Added 'GSM first' of Network Mode in AT+GTBSI.

2. For Firmware Version R20A08V03

GV50M Firmware Version	GV50M_R20A08V03
Applicable @Track Air Protocol Version	GV50M @Track Air Interface Protocol_V17.0C
Applicable Manage Tool Version	Queclink_GV50M_Manage_Tool_V1.38
Problems Fixed	<ol style="list-style-type: none">1. Fixed the satellites in view in RSP HEX.2. Fixed the RESP:GTSTP uploading interval while GPS mode changed from Deep to Low.3. Optimized the FRI SMS report mechanism in TCP short connection forces mode.
New Features	<ol style="list-style-type: none">1. Added +RESP:GTGSV HEX.2. Added 'Expand INF Mask' in INF HEX report.

3. For Firmware Version R20A07V02

GV50M Firmware Version	GV50M_R20A07V02
Applicable @Track Air Protocol Version	GV50M @Track Air Interface Protocol_V17.0B
Applicable Manage Tool Version	Queclink_GV50M_Manage_Tool_V1.37
Problems Fixed	<ol style="list-style-type: none">1. Fixed the battery value in INF HEX report.2. Fixed GPS startup issue as sending GTRTO sub command GSV.3. Optimized the network connection as using roaming card.
New Features	<ol style="list-style-type: none">1. Added AT+GTGAM.2. Added RTO sub command 'OE'.3. Added to support backup Server in TCP long-connection mode.4. Added filed TIME UNIT of AT+GTSSR.5. Added filed POSITION TYPE of AT+GTDIS.

4. For Firmware Version R20A06V06

GV50M Firmware Version	GV50M_R20A06V06
Applicable @Track Air Protocol Version	GV50M @Track Air Interface Protocol_V17.0A
Applicable Manage Tool Version	Queclink_GV50M_Manage_Tool_V1.34
Problems Fixed	<ol style="list-style-type: none">1. Optimized the external power supply detection;2. Fixed the Auto-unlock PIN failure problem;3 Optimized the GPS performance and ODO mileage calculation.
New Features	<ol style="list-style-type: none">1. Added parameter "Hysteresis Error" in AT+GTEPS to suppress the bouncing of external power supply voltage detection.2. Added an initialization command to the firmware to ignore the network priority written in the SIM card.

5. For Firmware Version R20A05V04

GV50M Firmware Version	GV50M_R20A05V04
Applicable @Track Air Protocol Version	GV50M @Track Air Interface Protocol_V17.06
Applicable Manage Tool Version	Queclink_GV50M_Manage_Tool_V1.28
Problems Fixed	<ol style="list-style-type: none">1. Fixed network connection related problem;2. Changed the range of "Hour Offset" of GTTMA to 0-12;3. Fixed the problem that there is the chance that the reports may not be able to be sent out through SMS when the report mode is Force on SMS.
New Features	<ol style="list-style-type: none">1. In the rare case that the setting values of the parameters may get lost after abnormal power down, BOR function is added.

6. For Firmware Version R20A03V07

GV50M Firmware Version	GV50M_R20A03V07
Applicable @Track Air Protocol Version	GV50M @Track Air Interface Protocol_V17.05
Applicable Manage Tool Version	Queclink_GV50M_Manage_Tool_V1.25
Problems Fixed	<ol style="list-style-type: none">1. Deleted "Input Trigger Selection" of command AT+GTDIS;2. Fixed the problem of retarded running of device firmware when GTUDF function is used.3. The default GTDOG reboot interval is pre-set to seven days.
New Features	<ol style="list-style-type: none">1. DMS function is newly added.

7. For Firmware Version R20A01V03

GV50M Firmware Version	GV50M_R20A01V03
Applicable @Track Air Protocol Version	GV50M @Track Air Interface Protocol_V17.01
Applicable Manage Tool Version	Queclink_GV50M_Manage_Tool_V1.16
Problems Fixed	1. Fixed the bug of AGPS.
New Features	None.