



GL500M Series Firmware Release Note

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

Firmware Version: R00A07V05

International Telematics Solutions Innovator

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0. Preface

This Release Note introduces the latest change of GL500M Series firmware and briefly describes the improvements over preceding versions. You can also find the whole history of all the changes of GL500M Series firmware in this document.

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1. For Firmware Version R00A07V05

GL500M Firmware Version	R00A07V05
Applicable @Track Air Protocol Version	GL500M Series @Track Air Interface Protocol_V1.0B
Applicable Manage Tool Version	Queclink_GL500_Mange_Tool_V1.2.12
Problems Fixed	1. Further optimized the GPS working logic. Increased the GPS timeout to let it have more time to get GPS fix.
New Features	None

2. For Firmware Version R00A07V04

GL500M Firmware Version	R00A07V04
Applicable @Track Air Protocol Version	GL500M Series @Track Air Interface Protocol_V1.0B
Applicable Manage Tool Version	Queclink_GL500_Mange_Tool_V1.2.12
Problems Fixed	<ol style="list-style-type: none">1. Optimized the report sending logic in power saving mode when there is no GPS signal after power on.2. Optimized the UTC time synchronization logic.3. Optimized the GPS working logic.
New Features	<ol style="list-style-type: none">1. Without GPS signal, the device can use network time to maintain proper send time.

3. For Firmware Version R00A06V10

GL500M Firmware Version	R00A06V10
Applicable @Track Air Protocol Version	GL500M Series @Track Air Interface Protocol_V1.0B
Applicable Manage Tool Version	Queclink_GL500_Mange_Tool_V1.2.11
Problems Fixed	<ol style="list-style-type: none">1. Repaired several bugs and improved the working logic of GPS and AGPS.2. Improved the network registration process.
New Features	<ol style="list-style-type: none">1. Even in Stop reporting mode, the modem will wake up every 24 hours for 1min to receive SMS to allow for configuration even without data cable.

4. For Firmware Version R00A06V05

GL500M Firmware Version	R00A06V05
Applicable @Track Air Protocol Version	GL500M Series @Track Air Interface Protocol_V1.0B
Applicable Manage Tool Version	Queclink_GL500_Mange_Tool_V1.2.11
Problems Fixed	<ol style="list-style-type: none">1. Changed the AGPS downloading overtime from 10 mins to 5 mins.2. Fixed other software problems related to command AT+GTLSA.
New Features	<ol style="list-style-type: none">1. Sending multiple commands in one SMS supported.

5. For Firmware Version R00A06V03

GL500M Firmware Version	R00A06V03
Applicable @Track Air Protocol Version	GL500M Series @Track Air Interface Protocol_V1.0B
Applicable Manage Tool Version	Queclink_GL500_Mange_Tool_V1.2.10
Problems Fixed	<ol style="list-style-type: none">1. Fixed several bugs and optimized the performance of the firmware;2. Fixed DMS related bugs.
New Features	Power Saving Mode parameters such as “Adjust Enable”, “Final Wakeup Hour Interval”, “Hold Days” are newly added. The device can change its report frequency after the set hold days.

6. For Firmware Version R00A05V08

GL500M Firmware Version	R00A05V08
Applicable @Track Air Protocol Version	GL500M Series @Track Air Interface Protocol_V1.09
Applicable Manage Tool Version	Queclink_GL500_Mange_Tool_V1.2.9
Problems Fixed	<ol style="list-style-type: none">1. Fixed several bugs and optimized the performance of GPS;2. Fixed several DMS related bugs.
New Features	None

7. For Firmware Version R00A05V05

GL500M Firmware Version	R00A05V05
Applicable @Track Air Protocol Version	GL500M Series @Track Air Interface Protocol_V1.09
Applicable Manage Tool Version	Queclink_GL500_Manage_Tool_V1.2.7
Problems Fixed	<ol style="list-style-type: none">1. Optimized the calculation of power consumption;2. Improved the working logic of the sensors and the device;3. Solved multiple software internal bugs.
New Features	<ol style="list-style-type: none">1. DMS function is added;2. Power consumption calculation function is newly added on the Manage Tool;3. Rechargeable battery selection is integrated;4. Power Saving Mode parameters such as “Start Mode”, Specified Time of Day” is newly added.

8. For Firmware Version R00A04V06

GL500M Firmware Version	R00A04V06
Applicable @Track Air Protocol Version	GL500M Series @Track Air Interface Protocol_V1.07
Applicable Manage Tool Version	Queclink_GL500_Mange_Tool_V1.1.12
Problems Fixed	<ol style="list-style-type: none">1. Optimized the calculation of power consumption;2. Improved the working performance of the sensors;3. Solved multiple software internal bugs such as UTC time calibration.
New Features	None