



GSM/GPRS/GPS Tracker **GL500**

Firmware Release Notes

Release Notes: TRACGL500RN10



<http://www.queclink.com>

sales@queclink.com

Document Title	GL500 Firmware Release Notes
Version	N/A
Date	2015-08-08
Status	Release
Document Control ID	TRACGL500RN10

General Notes

Queclink offers this information as a service to its customers, to support application and engineering efforts that use the products designed by Queclink. The information provided is based upon requirements specifically provided to Queclink by the customers. Queclink has not undertaken any independent search for additional relevant information, including any information that may be in the customer's possession. Furthermore, system validation of this product designed by Queclink within a larger electronic system remains the responsibility of the customer or the customer's system integrator. All specifications supplied herein are subject to change.

Copyright

This document contains proprietary technical information which is the property of Queclink Limited. The copying of this document, distribution to others, and communication of the contents thereof, are forbidden without express authority. Offenders are liable to the payment of damages. All rights are reserved in the event of a patent grant or registration of a utility model or design. All specification supplied herein are subject to change without notice at any time.

Copyright © Queclink Wireless Solutions Co., Ltd. 2015

Contents

Contents	3
0. Preamble	4
1. Current Release	5
1.1. GL500R00A09M64_WINBOND	5
1.1.1. @Tracker Protocol Support.....	5
1.1.2. New Features.....	5
1.1.3. Improved Features.....	5
2. Release History	6
2.1. GL500R00A08M64_WINBOND	6
2.1.1. @Tracker Protocol Support.....	6
2.1.2. New Features.....	6
2.1.3. Improved Features.....	6
2.2. GL500R00A08M64_WINBOND	6
2.2.1. @Tracker Protocol Support.....	6
2.2.2. New Features.....	7
2.2.3. Improved Features.....	7
2.3. GL500R00A07M64_WINBOND	7
2.3.1. @Tracker Protocol Support.....	7
2.3.2. New Features.....	7
2.3.3. Improved Features.....	8
2.4. GL500R00A06M64_WINBOND	8
2.4.1. @Tracker Protocol Support.....	8
2.4.2. New Features.....	8
2.4.3. Improved Features.....	8
2.5. GL500R00A05M64_WINBOND	9
2.5.1. @Tracker Protocol Support.....	9
2.5.2. New Features.....	9
2.5.3. Improved Features.....	9
2.6. GL500R00A04M64_WINBOND	10
2.6.1. @Tracker Protocol Support.....	10
2.6.2. New Features.....	10
2.6.3. Improved Features.....	10
2.7. GL500R00A03M64_WINBOUND	11
2.7.1. @Tracker Protocol Support.....	11
2.7.2. New Features.....	11
2.7.3. Improved Features.....	11

0. Preamble

This Release Note introduces GL500 firmware version **GL500R00A09V03M64_WINBOND** and briefly describes the benefits over preceding release. Also you can find difference compared with preceding release.

1. Current Release

1.1. GL500R00A09M64_WINBOND

1.1.1. @Tracker Protocol Support

GL500 firmware **GL500R00A09V03M64_WINBOND** supports @Tracker air interface protocol version 3.02. For detailed information about the protocol, please refer to the document GL500 @Track Air Interface Protocol V3.02.

1.1.2. New Features

The following table lists new features compared with the preceding firmware release, version **GL500R00A09V03M64_WINBOND**

Item	Brief Description
------	-------------------

1.1.3. Improved Features

The following table lists features or parameters that have been changed or improved compared with preceding firmware release, version **GL500R00A08V19M64_WINBOND**.

Item	Brief Description
1	Fix some bugs about the GPS fix.
2	Power off quickly when there is no reports.

2. Release History

2.1. GL500R00A08M64_WINBOND

2.1.1. @Tracker Protocol Support

GL500 firmware **GL500R00A08V19M64_WINBOND** supports @Tracker air interface protocol version 2.05. For detailed information about the protocol, please refer to the document GL500 @Track Air Interface Protocol V2.05.

2.1.2. New Features

The following table lists new features compared with the preceding firmware release, version **GL500R00A08V16M64_WINBOND**

Item	Brief Description
------	-------------------

2.1.3. Improved Features

The following table lists features or parameters that have been changed or improved compared with preceding firmware release, version **GL500R00A08V16M64_WINBOND**.

Item	Brief Description
1	Fix some the bug that the battery power is not right when changes a new battery.

2.2. GL500R00A08M64_WINBOND

2.2.1. @Tracker Protocol Support

GL500 firmware **GL500R00A08M64_WINBOND** supports @Tracker air interface protocol

version 2.04. For detailed information about the protocol, please refer to the document GL500 @Track Air Interface Protocol V2.04.

2.2.2. New Features

The following table lists new features compared with the preceding firmware release, version **GL500R00A07M64_WINBOND**

Item	Brief Description
1	Add <Start mode> in GTGBC .
2	Add < <i>GPS fix delay</i> > in GTGBC .
3	Add <SMS Confirm enable> in GTSRI and GTQSS .

2.2.3. Improved Features

The following table lists features or parameters that have been changed or improved compared with preceding firmware release, version **GL500R00A07M64_WINBOND**.

Item	Brief Description
1	Fix some bugs about the device stop report
2	Enhancing the effect of working in low power state.
3	Fix some bugs about the abnormal restart
4	Add a new way to get the UTC time via the GSM network.

2.3. GL500R00A07M64_WINBOND

2.3.1. @Tracker Protocol Support

GL500 firmware **GL500R00A07M64_WINBOND** supports @Tracker air interface protocol version 1.07. For detailed information about the protocol, please refer to the document GL500 @Track Air Interface Protocol V1.07.

2.3.2. New Features

The following table lists new features compared with the preceding firmware release, version **GL500R00A06M64_WINBOND**

Item	Brief Description
1	Add the GPS retry in GTGBC.
2	Add new mode in <Temperature report mode>
3	Add the report + RESP:GTLOG for debug.

2.3.3. Improved Features

The following table lists features or parameters that have been changed or improved compared with preceding firmware release, version **GL500R00A06M64_WINBOND**.

Item	Brief Description
1	Fix some bugs about the device stop report
2	Increased the GPS time open, enhancing the effect of positioning
3	Save the last position in nvram.

2.4. GL500R00A06M64_WINBOND

2.4.1. @Tracker Protocol Support

GL500 firmware **GL500R00A06M64_WINBOND** supports @Tracker air interface protocol version 1.06. For detailed information about the protocol, please refer to the document GL500 @Track Air Interface Protocol V1.06.

2.4.2. New Features

The following table lists new features compared with the preceding firmware release, version **GL500R00A05M64_WINBOND**

Item	Brief Description
1	None

2.4.3. Improved Features

The following table lists features or parameters that have been changed or improved compared

with preceding firmware release, version **GL500R00A05M64_WINBOND**.

Item	Brief Description
1	Fix some bugs about the factory test

2.5. GL500R00A05M64_WINBOND

2.5.1. @Tracker Protocol Support

GL500 firmware **GL500R00A05M64_WINBOND** supports @Tracker air interface protocol version 1.06. For detailed information about the protocol, please refer to the document GL500 @Track Air Interface Protocol V1.06.

2.5.2. New Features

The following table lists new features compared with the preceding firmware release, version **GL500R00A04M64_WINBOND**

Item	Brief Description
1	Add AGPS Mode in GTGBC

2.5.3. Improved Features

The following table lists features or parameters that have been changed or improved compared with preceding firmware release, version **GL500R00A04M64_WINBOND**.

Item	Brief Description
1	Enhance the GPS fix
2	Fix bug about the device not wakeup
3	Fix bug about the NMR
4	Fix bug about the RTC time error
5	Fix some other bugs.

2.6. GL500R00A04M64_WINBOND

2.6.1. @Tracker Protocol Support

GL500 firmware **GL500R00A04M64_WINBOND** supports @Tracker air interface protocol version 1.05. For detailed information about the protocol, please refer to the document GL500 @Track Air Interface Protocol V1.05.

2.6.2. New Features

The following table lists new features compared with the preceding firmware release, version **GL500R00A03M64_WINBOND**

Item	Brief Description
1	Add new command AT+GTPIN to configure the auto-unlock PIN function.
2	Save the GTGEO state.
3	Modify the send interval minimum value to 1 in GTCTN .

2.6.3. Improved Features

The following table lists features or parameters that have been changed or improved compared with preceding firmware release, version **GL500R00A03M64_WINBOND**.

Item	Brief Description
1	Fix bug about the APN
2	Fix bug about the UTC time
3	Fix some other bugs.

2.7. GL500R00A03M64_WINBOUND

2.7.1. @Tracker Protocol Support

GL500 firmware **GL500R00A03M64_WINBOUND** supports @Tracker air interface protocol version 1.03. For detailed information about the protocol, please refer to the document GL500 @Track Air Interface Protocol V1.03.

2.7.2. New Features

The following table lists new features compared with the preceding firmware release, version **GL500R00A03M64_WINBOUND**

Item	Brief Description
	Initial

2.7.3. Improved Features

The following table lists features or parameters that have been changed or improved compared with preceding firmware release, version **GL500R00A03M64_WINBOUND**.

Item	Brief Description