



# GSM/GPRS/GPS Tracker **GL300** **Firmware Release Notes**

Release Notes: TRACGL300RN006\_NMX

Revision: 06



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## 0. Preamble

This Release Note introduces GL300 firmware version **GL300R00A06V04M128\_NMX** and briefly describes the benefits over preceding release. Also you can find difference compared with preceding release.

## 1. Current Release

### 1.1. @Tracker Protocol Support

GL300 firmware **GL300R00A06V04M128\_NMX** supports GL300 @Tracker Air Interface Protocol version 4.01. For detailed information about the protocol, please refer to the document GL300 @Track Air Interface Protocol V4.01.

### 1.2. New Features

The following table lists new features compared with the preceding firmware release, version **GL300R00A05V06M128\_NMX**.

Item	Brief description
1	Update the protocol version to 4.01.
2	Add report mode 7 in command AT+GTQSS.
3	Add a new parameter <Enter Movement by Command> in command AT+GTNMD.
4	Add a new parameter <Enter Movement Cause> in the report message +RESP:GTNMR.
5	Modify the length of the parameter <data> in the command AT+GTDAT.
6	Cancel GSM and GPRS network in shutdown or restart
7	Modify the hardware version of the query format as "GL300hw_version:X.XX"

## 2. Release History

### 2.1. GL300R00A05V06M128\_NMX

#### 2.1.1. @Tracker Protocol Support

GL300 firmware **GL300R00A05V06M128\_NMX** supports GL300 @Tracker Air Interface Protocol version 3.02. For detailed information about the protocol, please refer to the document GL300 @Track Air Interface Protocol V3.02.

#### 2.1.2. New Features

The following table lists new features compared with the preceding firmware release, version **GL300R00A04V07M128\_NMX**.

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Item	Brief description
1	Update the protocol version to 3.02.
2	Add a new parameter <Append Mask>in command AT+GTFRI.
3	Add a new parameter <Mode>in command AT+GTUPC.
4	Add a new event report message +RESP:GTPNL<Append Mask>.
5	Add a new command AT+GTPDS

### 2.1.3. Improved Features

The following table lists features or parameters that have been changed or improved compared with preceding firmware release, version **GL300R00A04V07M128\_NMX**.

Item	Brief description
1	Fix bug that the terminal can not swich ignition state.
2	Fix bug that by SMS command to get the position information, can not correctly reported to the designated mobile phone number

## 2.2. GL300R00A04V07M128\_NMX

### 2.2.1. @Tracker Protocol Support

GL300 firmware **GL300R00A04V07M128\_NMX** supports GL300 @Tracker Air Interface Protocol version 2.00. For detailed information about the protocol, please refer to the document GL300 @Track Air Interface Protocol V2.00.

### 2.2.2. New Features

The following table lists new features compared with the preceding firmware release, version **GL300R00A03V06M128\_NMX**.

Item	Brief description
1	Update the protocol version to 1.02.
2	Add the report mode 6 in the command AT+GTQSS and AT +GTSRI.
3	Add the mode 6 in the command AT+GTFRI.
4	Add a new input event in the command AT+GTUDF that it is SOS.
5	Add new command function AT + GTJDC.

### 2.2.3. Improved Features

The following table lists features or parameters that have been changed or improved compared with preceding firmware release, version **GL300R00A03V06M128\_NMX**.

Item	Brief description
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<b>1</b>	Fixed bug that frequent switching network can make the terminal exception to restart.
<b>2</b>	Fix bug that latitude and longitude information is empty in the report message +RESP:GTFRI if GPS fixed fail after startup.

## 2.3. GL300R00A03V06M128\_NMX

### 2.3.1. @Tracker Protocol Support

GL300 firmware **GL300R00A03V06M128\_NMX** supports GL300 @Tracker Air Interface Protocol version 1.02. For detailed information about the protocol, please refer to the document GL300 @Track Air Interface Protocol V1.02.

### 2.3.2. New Features

The following table lists new features compared with the preceding firmware release, version **GL300R00A02V06M128\_NMX**.

Item	Brief description
1	Update the protocol version to 1.02.
2	Add the report mode 6 in the command AT+GTQSS and AT +GTSRI.
3	Add the mode 6 in the command AT+GTFRI.
4	Add a new input event in the command AT+GTUDF that it is SOS.
5	Add new command function AT + GTJDC.

### 2.3.3. Improved Features

The following table lists features or parameters that have been changed or improved compared with preceding firmware release, version **GL300R00A02V06M128\_NMX**.

Item	Brief description
<b>1</b>	Fixed bug that frequent switching network can make the terminal exception to restart.
<b>2</b>	Fix bug that latitude and longitude information is empty in the report message +RESP:GTFRI if GPS fixed fail after startup.

## 2.4. GL300R00A02V06M128\_NMX

### 2.4.1. @Tracker Protocol Support

GL300 firmware **GL300R00A02V06M128\_NMX** supports GL300 @Tracker Air Interface TRACGL300RN006\_NMX

Protocol version 1.01. For detailed information about the protocol, please refer to the document GL300 @Track Air Interface Protocol V1.01.

#### 2.4.2. New Features

The following table lists new features compared with the preceding firmware release, version GL300R00A01V13M128\_NMX.

Item	Brief description
1	Update the protocol version to 1.01.
2	Add new command function “AT+GTUDF”.
3	Add new command function “AT+GTCMD”.
4	Add two new parameters <SMS ACK Enable>、<Quick link enable> in command AT + GTSRI
5	Add SMS messages custom function.
6	Add new command function AT + GTUPC.

#### 2.4.3. Improved Features

The following table lists features or parameters that have been changed or improved compared with preceding firmware release, version GL300R00A01V13M128\_NMX.

Item	Brief description
1	Add new function that the power key support SOS mode when the device is charging.
2	Add checksum for error handling in buffer function.
3	Fix bug that GSM interval and PDP interval set as 0 fail in AT+GTDG.