GV500MAP OBD Protocol Synchronization Guide

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

TRACGV500MAPOPSG001

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0. Revision History

Version	Date	Author	Description of Change
1.00	2019-07-16	Grace Wang	Initial
1.01	2019-10-25	Hendry Pan	Added Chapter 1 regarding preparation steps for OBD protocol synchronization.

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1. GV500MAP OBD Protocol Synchronization Preparation Steps

Follow the steps below to prepare for the OBD protocol synchronization process:

1. Set <*Backup Battery Supply*> in **AT+GTCFG** to 1 (default value is 0).

2. Set <*OBD Check Interval*> in **AT+GTOBD** to 30 (default value is 30).

3. Set <*Virtual Ignition Mode*> in **AT+GTVMS** to 0 (default value is 0).

4. Send **AT+GTRTO** with sub-command '1D' to clear exiting OBD related data stored in GV500MAP memory.

5. Make sure that the device is able to get a GNSS fix; If it is difficult to get a valid GNSS fix, please keep the vehicle in non-movement state after inserting GV500MAP into the vehicle OBD interface.

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2. GV500MAP OBD Protocol Synchronization Steps

Warning! Do not start using the GV500MAP device until OBD protocol synchronization has been properly performed with Key On Engine Off (KOEO) and successfully completed. Otherwise, GV500MAP cannot work normally with your vehicle.

Follow the three steps below to complete the OBD protocol synchronization process:

1. Turn the ignition key to the Key On Engine Off (KOEO) mode.

2. Insert GV500MAP into the vehicle OBD interface.

3. Check the LED light status (which indicates the result of the OBD protocol synchronization) after roughly 30 seconds.

LED Status	Synchronization Result	Troubleshooting
Two LED lights start flashing slowly at the same time for 30 seconds.	Success	N/A
Two LEDs light up solid simultaneously for 30 seconds, and then resume their original indication functions.	Failure	GV500MAP has trouble working with your vehicle, please try again. If problem still exists, please contact your distributer for further technical support.

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