

Installation Manual of GV600 Series

Version: 1.00

International Telematics Solutions Innovator

www.queclink.com

Contents

Kit Contents.....	1
Mounting of GV600 Series Device	2
Mounting Configures	3
Routing of GV600 Device Wire Harness.....	4
LED Status Of Device	5

Queclink
Confidential

Installation Manual of GV600 Series

Kit Contents:

- Tracking Device (internal antenna) x1
- 18 Pin Power Harness x1
- Temperature Sensor x1



WIRE DESCRIPTION

Definition	Color	PIN No	Connector	PIN No	Color	Definition
PWR1	Red	1		2	Red/ Green	PWR2
AGND	Black	3		4	Black	AGND
IGN	White	5		6	Green	ADIN1
OUT-3V3	Red/ White	7		8	Black/White	GND
1-WIRE	Gray	9		10	NC	NC
OUT/IN1	Blue	11		12	Yellow	OUT/IN2
OUT/IN3	Brown	13		14	Orange	OUT/IN4
EX_RX	Purple	15		16	Purple/White	EX_TX
RXD	Pink	17		18	White/Black	TXD

Mounting Hardware:

Type	Picture	Hardware Contents
Adhering Mounting		self-drilling screws x2
Covert Mounting (Not include)		Mounting Bracket x1 Serrated flange nuts x2 Flat head screws x4

Manage USB Data Cable(Optional):

- Manager USB cable x1 -----for configuration GV600 series

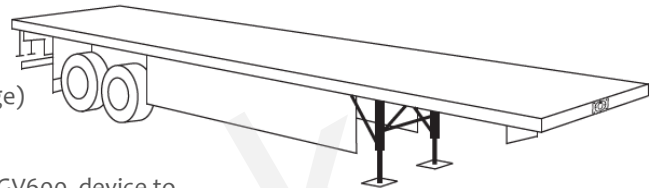


Mounting of GV600 Series Device

Mounting Location: GV600 a series of compact waterproof GPS tracker. You can install GV600 device to anywhere on the Flatbed, Chassis and Tanker.

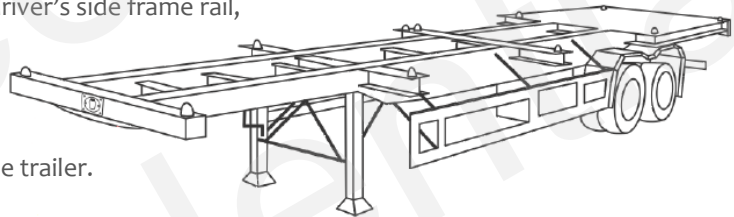
Flatbed: Inside a forward frame rail or under the trailer floor, with the harness side facing the J560

- Find a mounting location in a frame rail or under the trailer floor, with wire routing access that will allow the GV600 Series device wire harness to reach the J560.
- Use either of the mounting plate methods(refer to next page) to install GV600 device to the trailer.
- Use two self-drilling screws that can be easily to mount the GV600 device to the flatbed's wood floor.



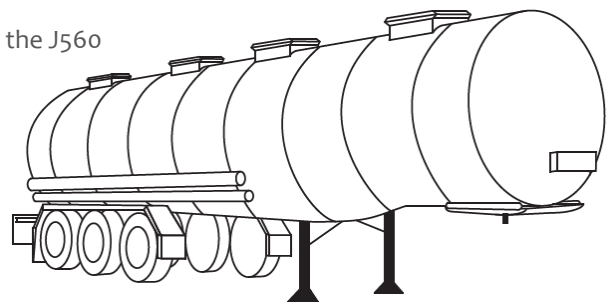
Chassis: Inside a forward frame rail with the harness side facing the J560, or under a gusset with the harness side facing the trailer harness

- Find a mounting location under a gusset on the driver's side frame rail, with wire routing access that will allow the GV600 device wire harness to reach the J560.
- Use either of the mounting plate methods (refer to next page) to install GV600 device to the trailer.
- Position the harness side of the GV600 device toward the trailer harness on the drivers side frame rail.



Tanker: For most tankers, the optimal mounting location for an GV600 device will be behind the plate that the trailer's J560 receptacle is mounted on.

- Use the GV600 device itself as template, mark two holes on the J560 plate
- Drill both holes or using the self-drill screws to directly to drill the two holes
- Secure the GV600 device to the J560 plate, with the harness side down



IMPORTANT NOTE: Please keep the device top side face to roomy space as far as possible in order to the GV600 Device receive GPS and locker all right.

CAUTION: Never drill into or weld on a tanker. If your tanker isn't equipped with a J560 plate that can be accessed from the rear, please contact with the technical for support.

Mounting Configures

Plate Mount, convert (Drilled):

- Use the GV600 Mounting plate as a template, mark four holes with a marker pencil as it for mounting holes
- Drill mounting holes with a #29 drill bit
- Screw the plate to the chassis by using the supplied Flat head screws x4
- Secure the GV600 device to the mounting plate, with the supplied Serrated flange nuts x2

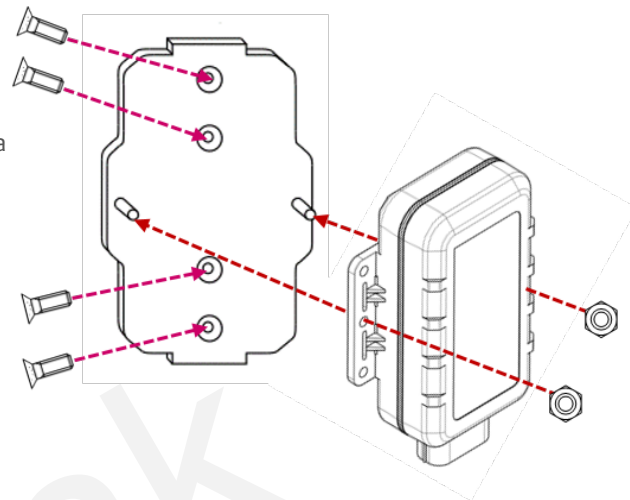
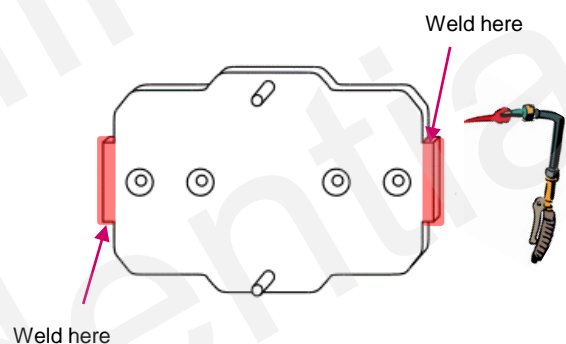


Plate Mount, convert (Welded):

- Weld the GV600 mounting plate into place
- Weld the full length of the tap
- Don't weld the entire plate



Nose Mount :

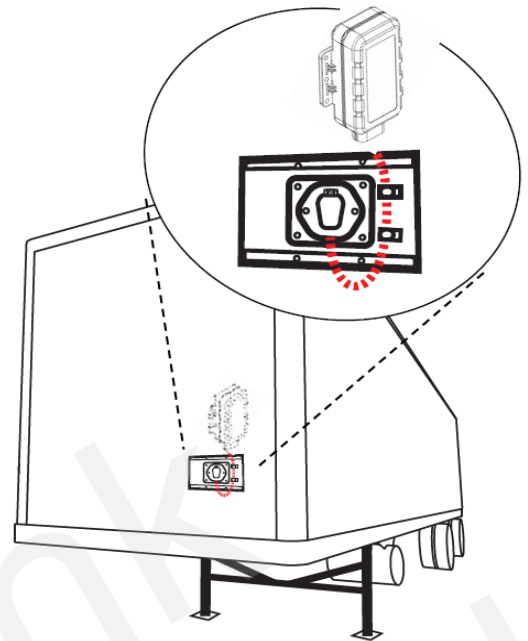
- Place the GV600 device on the forward facing bulkhead, harness-side down, directly above the J560 receptacle.
- Secure the GV600 device with supplied two self-drilling screws



Routing GV600 Device Wire Harness

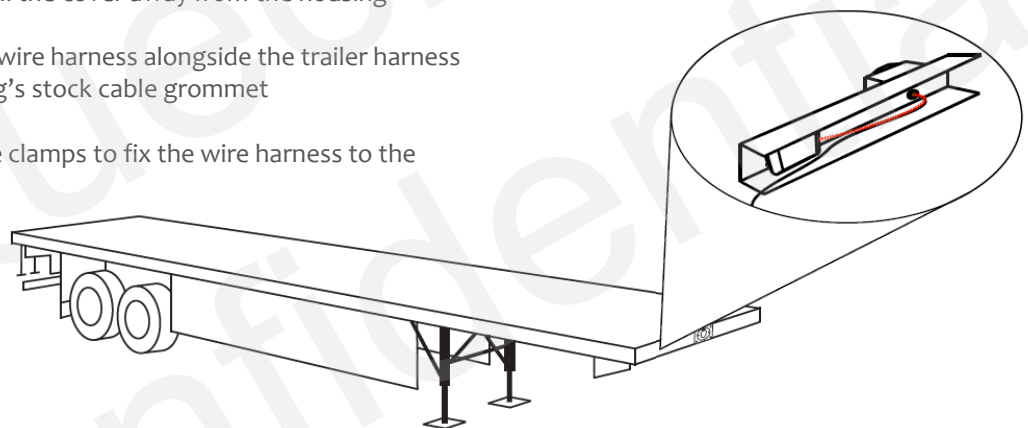
Nose Mounting in trailer:

- Remove the bolts that secure the J560 housing's cover and gently pull the cover away from the housing
- Choose the best of following device wire harness routing options for your application
- Drill a hole in the trailer, close to the J560, then run to back of J560 housing
- Run alongside the trailer harness through the J560 housing's stock cable grommet.
- Install cable clamps to secure the harness to trailer



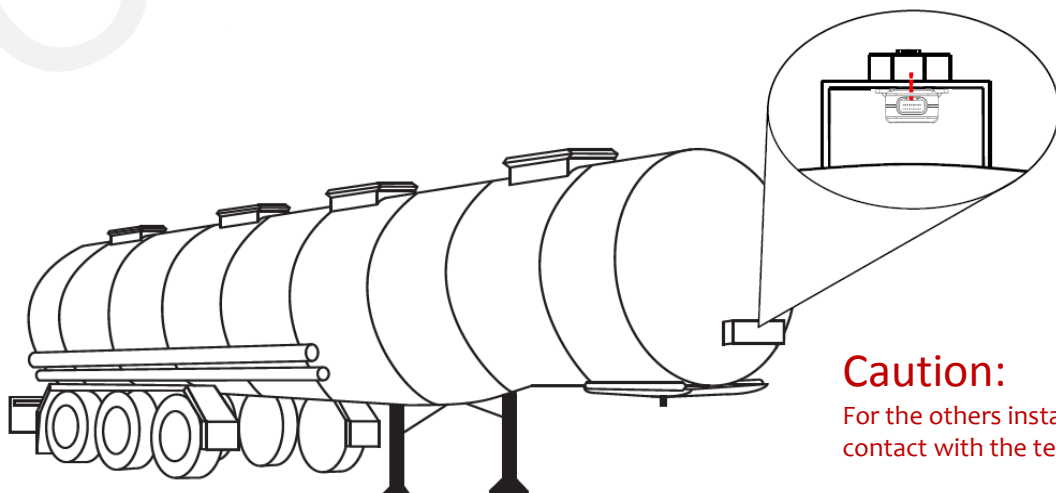
Mounting in Flatbed and chassis:

- Remove the bolts and pull the cover away from the housing
- Route the GV600 device wire harness alongside the trailer harness through the J560 housing's stock cable grommet
- Use the zip ties and cable clamps to fix the wire harness to the trailer harness and trailer



Mounting in tanker:

- Remove the bolts and pull the cover away from the housing
- Feed the device harness through the J560 housing's stock cable grommet

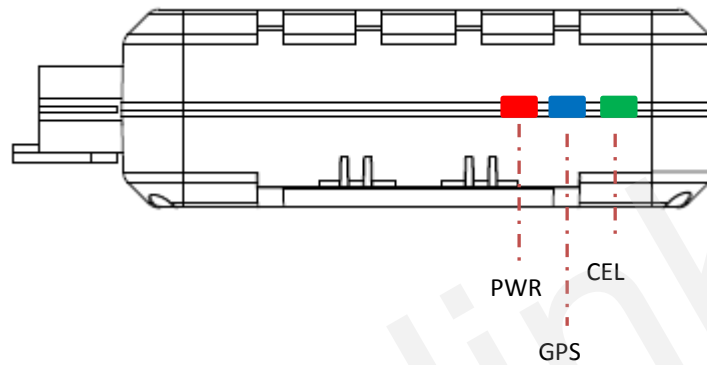


Caution:

For the others installations, please contact with the technical for support

LED Status of Device

Definition of Device Status and LED :



LED	Device status	LED status
CELL (Note 1)	Device is searching CELL network.	Fast flashing (Note 3)
	Device has registered to CELL network.	Slow flashing(Note 4)
	Modem power shutdown.	OFF
	SIM card needs pin code to unlock.	ON
GPS (Note 2)	GPS chip is powered off.	OFF
	GPS sends no data or data format error occurs.	Slow flashing
	GPS chip is searching GPS info.	Fast flashing
	GPS chip has gotten GPS info.	ON
PWR (Note 2)	No external power and internal battery voltage is lower than 3.46V.	OFF
	No external power and internal battery voltage is below 3.6V.	Slow flashing
	External power in and internal battery is charging.	Fast flashing
	External power in and internal battery is fully charged.	ON

- Note 1: CELL LED cannot be configured
- Note 2: GPS LED and PWR LED can be configured to turn off after a period of time by using the configuration tool
- Note 3: Fast flashing: for CELL LED is about 100 ms ON/800 ms OFF; for GPS LED and PWR LED is about 100 ms ON/100 ms OFF
- Note 4: Slow flashing: for CELL LED is about 100 ms ON/2000 ms OFF; for GPS LED and PWR LED is about 600 ms ON/600 ms OFF