DQT Geometris Installation Guide

Purpose

This guide provides step-by-step instructions for installing and activating the Geometris GPS hardware as deployed by DQTech (DQT). It is intended for fleet maintenance teams, installers, and operations managers.

What's Included

- Geometris GPS device

- Vehicle-specific cable

- Mounting hardware (as applicable)

Note: Verify the device serial number (SN) before installation. This SN will be used for assignment and activation in DQT systems.

Pre-Installation Checklist

Before installing the device, confirm the following:

- Vehicle is parked safely and powered off

- Correct cable for the vehicle make/model is available

- Installer has access to the vehicle's diagnostic/telematics port

- Device SN is recorded for assignment in DQT

Installation Steps

1. Locate the Diagnostic Port

Locate the vehicle's diagnostic or telematics port (commonly under the dashboard on the driver's side). Port location may vary by vehicle make and model.

2. Connect the Cable

Plug the Geometris cable securely into the diagnostic port. Ensure the connection is fully seated and locked, if applicable.

3. Attach the Device

Connect the Geometris GPS device to the cable. Mount or secure the device so it will not interfere with pedals, steering, or other vehicle controls.

4. Power On and Verify LEDs

Turn the vehicle ignition on.

- Confirm the device powers on

- Verify LED indicators show normal startup behavior

If LEDs do not illuminate, re-check cable connections.

OBD Connector
J1939, CAN, OBD II

2 LED Indicators

Post-Installation

Assign the Device in DQT

1. Log in to the DQT Admin or Operations Dashboard

2. Assign the device SN to the correct vehicle or asset

3. Confirm the vehicle name, number, or VIN is correct

Verify Data

- Confirm GPS location is reporting

- Confirm vehicle data appears in the DQT platform

Initial data may take several minutes to appear after first power-up.

Best Practices

- Do not coil excess cable tightly around the device

- Avoid mounting near high-heat or high-vibration areas

- Label the device or record the SN during installation to prevent assignment errors

Troubleshooting

No Power / No LEDs

- Confirm ignition is on

- Verify correct cable for vehicle

- Reseat all connections

LED Status	Error Description	How to Clear
NO LED Status	The device is not receiving power	Ensure that the device is seated correctly on the port, all pins are touching, and the harness rings are locked in. If the device is still not generating a LED code there could be an issue with the harness or there is no power coming from the diagnostic port.
Green LED Blinks Regularly	The device is working normally	N/A
Green LED Blinks Fast	Ignition is On and Device is Charging (Device is working normally)	N/A
Red LED Blinks 1 time in series	Bluetooth Error	Check the placement of the device and ensure there is no interference (Metal or RFID) and make sure the tablet/phone is near the device.

LED Status	Error Description	How to Clear
Red LED Blinks 2 times in series	Cellular Error	Check the placement of the device and ensure there is no interference (Metal or RFID) and make sure the device has clear access to the sky. Also ensure that the device has an active cellular plan with the SIM provider by contacting DQT.
Red LED Blinks 3 times in series	GPS Error	Check the placement of the device and ensure there is no interference (Metal or RFID) and make sure the device has clear access to the sky.
Red LED Blinks 5 times in series	Modem Error	Remove the device from power for 24 Hours. This will drain the internal battery of the device to completely to power down all circuits. After 24 hours have the customer plug in the device and ensure the device is seated correctly on the port and the harness rings are locked in. Turn on the Ignition of the vehicle and wait to see if the LED pattern changes. If none of the above works, please create a support ticket.
Solid Red Light On Install	NO External Power	The internal battery is close to depleted and the device is not plugged into external power. Plug in the device into external power and turn on the Ignition so the battery can charge.

No Data in DQT

- Confirm device SN is assigned correctly

- Allow up to 10 minutes after installation

- Contact DQT Support if data does not appear

Support

For installation or activation assistance, contact:

DQT Support
Email: support@dqtech.com

Please have the following available when contacting support:

- Device serial number

- Vehicle information

- Installation date and time