



FLEET TRACKER MGS 700/800/800 WITH EXTERNAL ANTENNA

PLUG & PLAY CABLE INSTALLATION

Watch our installation video [here](#)

INCLUDES:

- MGS700/800 MGS device
- MGS 800 EX ONLY (Convert external antenna)
- Plug and play cable – supports I/O and Driver ID
- 4 zip ties

ALL MGS MODULE WIRING IS IDENTICAL



MGS 700/800 FEATURES

- Built-in 3D accelerometer movement detection - Internal, replaceable SIM - Over-the-air configuration update - 2 LED for status indication

MGS 700/800-SPECS AND I/O INPUTS/OUTPUT

- 6 inputs (3 hi, 2 low, 1 analog) –
- Operating temperature conditions: -4° - +149° F / -20° - +65°

OVERVIEW OF THE MGS LEDS

- The MGS/700/800 LED indicator lights were designed to provide a simple visual reference regarding the device’s status. The table describes each status and the respective LED indications

OVERVIEW OF THE MGS LEDS

The MGS100/200/700 LED indicator lights were designed to provide a simple visual reference regarding the device’s status. The table describes each status and the respective LED indications.

GREEN LED			
	OFF	Power down mode	
	FLASH	Low power mode	
	SLOW	Full power mode / Ignition OFF	
	FAST	Full power mode / Ignition ON	
RED LED			
OFF	No faults detected	2-5	Last data session failed
1-1	License key expired	2-6	Data plan is not available
1-2	Low supply voltage	3-1	GPS module fault
1-3	Allocated data usage exhausted	3-2	GPS antenna open/short
2-1	HSPA module fault	3-3	GPS no track (0 sat)
2-2	Not activated	3-4	GPS no x (<3 sat)
2-3	No HSPA signal	3-5	GPS no time
2-4	Network not found	4-2	Data transfer failed

FLEET COMPLETE PLUG AND PLAY CABLES

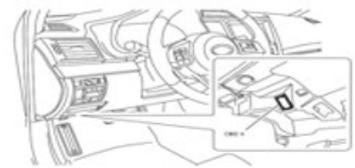
6-9 PIN Adapter	9-PIN Type 1 (259 KBs)	9-PIN Type 2 (500 KBs)	9-PIN Type 2 PK (250 KBs)
			

Note: Images shown are Y cables; all installations remain the same for straight connection cables

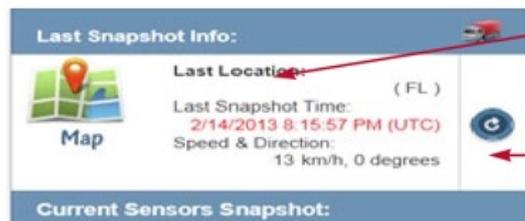
MGS 700/800 INSTALLATION INSTRUCTIONS

To install the unit, perform the following steps:

1. Locate the OBD-II Port in your vehicle, which is usually under the dashboard left of your steering wheel. Alternatively, consult your owner’s manual to locate it. Validate that the unit is setup in the Fleet Complete Application.
2. Connect the OBD II connector on the MGS to the OBD-II socket in your vehicle. Do not cut or splice the cable.
3. Secure the MGS and the wiring under the dashboard to avoid breakage. The MGS must be installed with the label facing the sky with the MGS as close to the top of the dashboard as possible and kept clear of foot pedals.
4. Login into Fleet Complete Application and update the asset with Vehicle ID, VIN and Odometer reading.



Important: Hardware warranty will be voided if the device is not installed according to the instructions.



FAQ

Where in a truck is the best place to hardwire an MGS100/200/700?

The best places to hardwire a MGS100/200/700 in a vehicle are under the center console, inside the dashboard, under the glove compartment or in the trunk. For MGS100/700, be sure the device is not obstructed by metal to avoid signal interference.

Can I install the modem outside of the vehicle?

No. MGS are not weatherproof and device must be installed in a dry location or in a all weather enclosure.

Can I wire the modem to the back of the car radio or with other accessories?

No, you will not get proper idle reports because the modem will not be able to monitor the ignition status properly.

Where is the best place to get a proper power and ignition?

Use the proper power or ignition wire directly from the ignition switch or behind the fuse box. Do not use the intermittent power sources such as brakes power wires, lights, radio or other accessories. The modem will not receive correct reading of the ignition status and will cause "Movement without ignition errors" and improper idling report.

Where is the best place to mount the antenna?

Install the MGS800 covert antenna behind a non-metal panel inside the dashboard. Mount the antenna with the red side facing up. Ensure to stay away from any metal panels.

Can additional sensors, such as door or temperature sensor be installed with the MGS module?

Yes, the power harness provided with the kit allows up to 4 sensor inputs, such as temperature, door, PTO and other sensors.

What is the Default Data Settings (DDS) for MGS devices?

The DDS for MGS devices is to record 1 position every 2 min and transmit location data to the server every 6 min. DDS Settings can be adjusted in the Fleet Complete application under Asset Settings.

What data is collected and transmitted by the MGS device?

Date, time, location - address and coordinates, speed, direction of travel, ignition status, battery level, odometer, sensor status.