

200G Device**Device usage**

The 200G mobile device is controlled by a centralized WEB based application. This application is accessible only by authorized personnel. No direct operations are possible on the device itself. The 200G uses the GPS for self positioning and the GSM network to communicate with the application.

Power Consumption

Input Voltage: +12V
 Maximum Continuous Input Voltage: +15V
 Minimum Continuous Input Voltage: +11V
 Average Power Consumption: 35 mA@12VDC
 Operating Temperature Range: -25 degrees C to 70 degrees C

GSM Module

GSM, GPRS Class 10
 Quad band 850/900/1800/1900
 Temperature range (-25c to +70c)
 Automatic switching between bands
 PBCCH supported
 GPRS Class B (suspend/resume supported)
 GPRS Multislot Class 10 (3+2 & 4+1)
 GPRS baudrates DL up to 85.6 kbps, UL up to 42.8 kbps
 FCC ID Number M9H95MACV3C

GPS Antenna Specification**Configuration**

RF Connector – FAKRA Blue

Mechanical Specifications

Mounting – Magnet mount
 100% Water proof
 Weight – 105g Max.

Antenna

Frequency range – 1575.42 / 1.023 MHz
 Polarization – RHCP

GSM Radio Antenna Specification

Frequency : 860 – 900 MHz and 1770 – 1880 MHz
 Gain : 2.5 to 3 dBi
 Cable length : 2.5 M
 Connector : FAKRA

Installation instruction iMetrik 200G

You are currently installing iMetrik 200G module. If you are unsure of any step of this process, please call our Customer Care service at 1-866-276-5382. This package includes the following components: One 200G module, One GSM cellular antenna, One GPS antenna, One power cable; Two starter-interrupt cables. (Cut-off model only)

Installation notes

- To be installed only inside vehicle cabin.
- GPS antenna must be mounted so that no metal is impeding sky-view, rounded side up.
- GSM antenna must be located on a non metallic area.
- See all the warnings and notes on page 1 and 2 before installation.
- No power should be applied to unit if antennas are not connected.

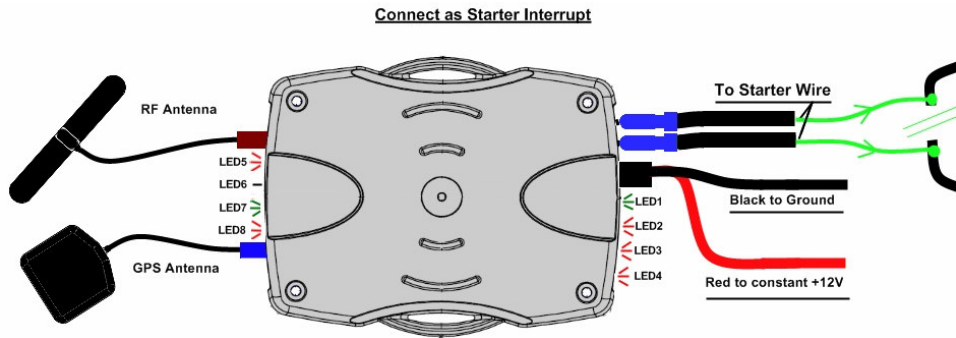
INSTALLATION PROCEDURE

- 1) Disconnect the battery from the vehicle electrical system from this point forward to avoid possible damage due to shorting of exposed wire.
The unit must never be powered up without antennas connected.
- 2) Locate power for constant 12V power and a good ground (ignition off).
- 3) If fuse holder is separate; connect the red wire from the power cable assembly to one end of the fuse holder, and the other end of the fuse holder to the constant 12V power source.
- 4) Ground the black wire of the power cable assembly to the vehicle's frame.
If installing a LR 200G, jump to step 7
- 5) Find the vehicle's starter wire and cut it. The starter wire only has 12V when cranking.
- 6) Connect the wires from the starter-interrupt cables to each end of the starter wire. Connect the "Quick-Release" connectors from the starter-interrupt cables to the device.
Make sure all connections are soldered and well insulated
Note: all components of the device (GPS/RF antennas) should be installed behind the dashboard
- 7) Install the RF antenna on a flat, non-metallic surface. For best results, install in a vertical position six inches away from any metal.
- 8) Connect the RF antenna into the device RF connector. (Violet connector)
- 9) Install the GPS antenna in the vehicle. Choose a location where it has NO METAL impeding its view of the sky. Connect the GPS antenna to the device. (Blue connector)
- 10) Connect the 4-pin power cable to the device. Install the 200G device in the vehicle.
When connecting or disconnecting either antenna from the device, make sure to remove the 12V power cable first. Severe damage to the unit may result otherwise
- 11) Reconnect the vehicle's battery.
- 12) Park the vehicle outside, away from trees or tall buildings. Verify the installation was a success by performing a "Location" command from your account.

TESTING

	COLOR	OFF	BLINK FAST	BLINK SLOW	ON
LED1=Power	Green	No Power			Power
LED2=Starter	Red	Enabled		Warning	Disabled
LED3=GPS	Red	No Power/Error	Acquiring(3)	Has Date/Time	Good GPS Fix
LED4=Mode	Red	No Power/Error		Normal	
LED5=Radio	Red	No Power/Error(1)	Network Error	Acquiring(2)	Connected
LED6=Spare	None				
LED7=Network	Green	Network Diagnostic LEDs; Disregard			
LED8=Network	Red				

- (1) Radio LED is OFF during approximately 10 seconds after power-on. This is normal.
 - (2) Acquiring time of approximately 75 seconds during power-on. Users should wait at least 2 minutes before addressing the device for the first time.
 - (3) GPS LED is OFF during approximately 10 seconds after power-on. This is normal. GPS LED will stay off if there is a radio error on power-up.
- Note: It is recommended to insulate the in-line fuse with shrink wrap or electrical tape. Ensure fuse is properly inserted.

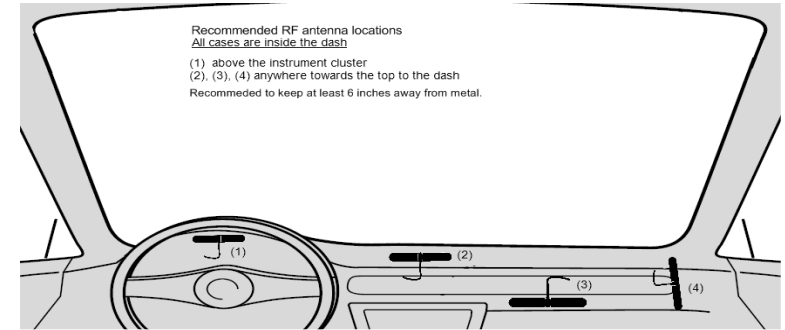


This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry Canada. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

IMPORTANT NOTE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.



Warning: Changes or modifications made to this equipment not expressly approved by iMetrik Inc may void the FCC authorization to operate this equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-orient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Note:

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

S/N:	IMEI:
MAKE:	MODEL:
YEAR:	VIN: