



# 7855 MyBASIC



## USER MANUAL



Made in Italy

AVS: Rev 08/16

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## 2.0 - INTRODUCTION

Dear Customer, thank you for choosing this self-managed tracking system, designed and manufactured in Italy by GEMINI TECHNOLOGIES specifically for 2-wheeled vehicles. Being highly flexible it can also be used to protect ATVs and heavy-duty machinery.

Please read the present manual carefully to fully take advantage of all the security features offered by the system without triggering false alarms that can use up needlessly your SIM credit. If the MyGTRACK is set up with a prepaid SIM card, periodically check on your balance to make sure you always have enough credit.

**NB:** The **Google Maps link** is only applicable to devices labeled Rev.08 or higher.



The following signal words are used throughout this manual to emphasize important instructions or special information. Do keep this manual handy for future reference.

### **⚠ WARNING**

Non-compliance to this instruction could result in serious damage to the GPS alarm system and the vehicle itself.

### **ATTENTION**

Non-compliance to this instruction may cause serious damage or operational failures to the GPS alarm system.

## ATTENTION

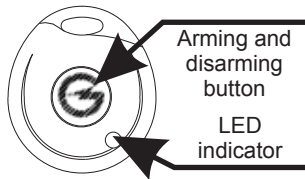
- KEEP YOUR PASSWORD STORED IN A SAFE PLACE.
- ALWAYS CARRY YOUR remote control and electronic key but NEVER together with the vehicle keys.
- If the system is armed and all override devices have been lost, the engine can only be started by first disarming the system (see command table).

## 3.0 - CONTROL DEVICES

### 3.1 - REMOTE CONTROL

The remote control is the main interface with the tracking system; we therefore recommend you acquaint yourself fully with it.

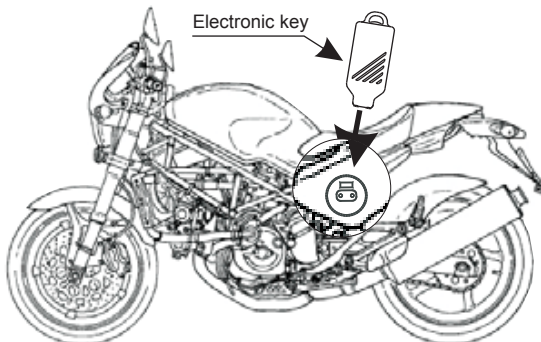
The remote control has a low charge battery indicator that gives you early warning to avoid malfunctioning. When the batteries are fully charged, the LED will show a steady light at the press of a button. If the batteries are too weak for normal operation, the LED will start blinking at the press of a button.



### 3.2 - ELECTRONIC KEY

The electronic key is a simplified remote control. In emergency situations (ex. in case of remote control failure), it can be used to arm/disarm the tracking system. To use the electronic key, simply touch it to its receptacle.

The receptacle incorporates a LED warning light that serves as both a system status indicator and a visual theft deterrent.



Example of receptacle positioning on the vehicle plastic fairing.

## 4.0 - ARMING

To arm the system press once on the remote control button or touch the electronic key to its receptacle.

The LED and the turn indicators will blink twice to confirm arming.

### ATTENTION

With the electronic key, the system arms immediately but there is a 60" delay period within which no alarm is detected.

While the system is armed and, until it is disarmed, the vehicle cannot be started. The passive arming feature, enabled via SMS (see chapter 9.14 or 15.0), automatically arms the system 2 minutes after ignition is switched "OFF".

To exclude auto-arming proceed as follows:

- Turn ignition key "ON" and wait for the LED to light up.
- Within 10" from LED ignition, insert the electronic key in its receptacle.
- Passive arming exclusion is confirmed by 4 optical signals.
- Turn ignition key "OFF".

### ATTENTION

Passive arming exclusion is bound to a single arming cycle.

To restore passive arming, turn ignition key "ON" and then "OFF".

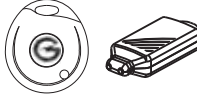
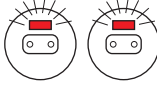
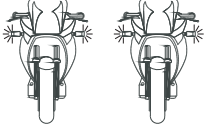
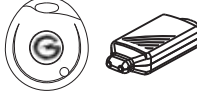

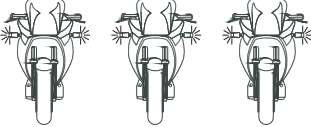
## 5.0 - DISARMING

To disarm the system press once on the remote control button or insert the electronic key in its receptacle.






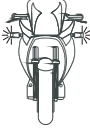
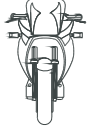

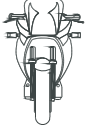

The LED and the turn indicators will blink 3 times to confirm disarming; the vehicle can then be started.

## 6.0 - OPTICAL SIGNALS

### 6.1 - ARMING/DISARMING SIGNALS

	BASIC	LED flashes	Turn indicator flashes
Arming			
Disarming			

### 6.2 - PRE-ALARM SIGNALS

	BASIC				
LED flashes (15")					
Turn indicator flashes (15")					

**NB:** see installer manual (chap. 3.0) for the complete list of optical signals.

## 7.0 - PRE-ALARM AND ALARM

When the My GTRACK is armed, there is a pre-alarm and an alarm stage. Pre-alarm is signalled by 15" of optical signals (LED and indicator lights) during which the system can be disarmed via remote control. If the system is not disarmed, an alarm is triggered and an alert message transmitted to the "main number" indicating the type of alarm (ignition alarm, tilt alarm, etc.).

If no one intervenes within 5 minutes, the system sends a 2nd text message to the emergency number (see chapter "Commands from/to a mobile phone").

Ignition remains inhibited.

## 8.0 - ALARMS

### ATTENTION

Whenever an alarm message is sent, the system triggers the siren and the turn indicators (if connected).

### 8.1 - IGNITION DETECTION ALARM

This alarm is triggered if ignition key is turned "ON" while the system is armed.

### 8.2 - TILT ALARM

When the system is armed, attempts to lift or move the vehicle (including hauling or wheel stealing) will trigger an alarm. To exclude this alarm see chapter 9.4 or 15.0.

### 8.3 - POSITION ALARM

The system provides protection against displacement attempts while ignition is OFF (ex. towing).

When ignition is switched back "ON", the system compares the actual position to the position saved when the engine was powered off.

If they differ by more than the factory set tolerance (not modifiable), the system sends the user an alarm message.

### 8.4 - BATTERY ALARM

The system provides protection against battery tampering. If one of the power supply cables is cut, the system sends an alarm message to the user (no pre-alarm signal is triggered).

## 8.5 - GENERIC ALARM (GREEN-BROWN wire)

### **ATTENTION**

A generic alarm message will only be transmitted if the installer has connected and programmed the system accordingly.

When a generic message is sent, the system checks the alarm source. If the alarm source is still active (i.e. seat still open), the input will be inhibited. If no longer active (i.e. seat closed), the system will automatically rearm.

## 8.6 - WIRELESS SENSORS ALARM

Wireless sensors can be added to protect the area where the vehicle is usually parked; if one of the sensors detects an alarm condition, an alert message will be sent to the user mobile phone.

## **9.0 - COMMANDS FROM AND TO MOBILE PHONE**

Before configuring the module, it is important to familiarize yourself with all the commands available to interact with the system.

Messages for system management (commands) are forwarded to the same mobile from which they have been transmitted (except tracking and vehicle immobilizing confirmation).

Alarm messages are received by the preset mobile numbers.

### **ATTENTION**

The code for requesting speed alert and vehicle position must always be a 3-digit number (factory preset as "000", three zeros).

### **ATTENTION**

If a text message is sent with the wrong command, you will receive an error message (command error).

**NB:** the time indicated by the system refers to the Greenwich Mean Time (GMT).



## 9.1 - INITIAL CONFIGURATION:

**setup#password#version#main phone number#new  
password#emergency phone number#**

The initial configuration command must be sent to the control unit to notify the “password”, “system model” and “phone number” for the alert notifications:

- **setup#**: configuration command.
- **password#**: factory preset password “000000”, six zeros.

### ATTENTION

The new password must be a 6-digit code and can contain both numbers and letters (i.e.: AA1234 or aa1234). The password is key-sensitive, therefore by typing characters other than the ones entered (upper and lower case letters are not equivalent), the system will not operate properly. Commands can either be sent with capital or small letters.

- **Version#**: system model (in this case BASIC).
- **Main phone number#**: number to which the SMS will be sent in case of an alarm condition always preceded by the international code (i.e. +44 for the UK).
- **New password#**: user-chosen password (6 digit-code mandatory).
- **Emergency phone number#**: second recipient to receive an SMS in case of an alarm condition (optional, entering can be omitted).

To confirm reception of an SMS, the system triggers 5 quick flashes of the turn indicators and the LED and returns a confirmation message to the user indicating:

**setup ok with password=new password.**

## ATTENTION

The system can be configured with the “STOP & GO” feature (SMS alert every time ignition is turned ON or OFF (see chapter 9.2, 9.3 or 15.0) and the tilt sensor can be excluded (see chapter 9.4 and 15.0).

### 9.2 - STOP & GO ACTIVATION:

***setup#password#basic#main phone number#new  
password#emergency phone number#f#***

Upon reception of SMS, the system replies:

**setup ok with password= new password.**

Every time ignition key is turned “ON”, the user will receive this message:

**Key On GPS status; latitude; longitude; speed; hour; date.**

Every time ignition key is turned “OFF”, the user will receive this message:

**Key Off, GPS status; latitude; longitude; speed; hour; date.**

### 9.3 - STOP & GO DEACTIVATION:

***setup#password#basic#main phone number#new  
password#emergency phone number#s#***

When the SMS is received, the system replies:

**Setup ok with password= new password.**

By sending this command, the user will no longer receive a message every time ignition key is turned “ON” or “OFF”.

### 9.4 - TILT SENSOR EXCLUSION:

***setup#password#nav#main phone number#new  
password#emergency phone number#***

When the SMS is received, the system replies:

**Setup ok with password= new password.**

The system will ignore any alarm triggered by a displacement attempt. To re-enable the tilt sensor send the initial configuration message (see chapter 9.1).

### 9.5 - VEHICLE LOCALIZATION:

***loc#password#***

Upon request, the system sends an SMS indicating:

**System status (armed or disarmed), GPS status; latitude; longitude; speed; hour; date.**

9.6 - TRACKING  
(VEHICLE DISPLACEMENT):

***trk#password#***

Upon request, the system sends 6 SMS (1 approx. every 90 seconds, the first one to the sender and the other 5 to the user), indicating:

**GPS status; latitude; longitude; speed; hour; date.**

9.7 - SPEED CONTROL:

***speed#password#060***

The last 3 digits “060” stand for the speed expressed in km/h. If this speed is exceeded for more than 20”, the system sends the user (after 20”) a speed alert SMS (indicating vehicle position, time, date, etc). When the engine is switched “OFF”, a second SMS will be sent with the top speed reached.

If the maximum speed is exceeded for less than 20”, the system will send a “maximum speed exceeded” message when the engine is turned off.

To avoid receiving this message, set speed value as “000” (three zeros).

9.8 - ENGINE IMMOBILIZER ACTIVATION:

***stop#password#***

At this request, the sender will receive a confirmation message.

When the engine is cut-off (vehicle stopped with GPS speed zero), the system will send the user an SMS indicating engine stop and vehicle position (latitude; longitude; speed; hour; date).

9.9 - ENGINE IMMOBILIZER DISABLING:

***go#password#***

When the engine immobilizer is disabled, the system sends an SMS to the user to confirm operation.

**ATTENTION**

The engine immobilizer can ONLY be disabled via SMS or with the electronic key.

### 9.10 - BLINKER ACTIVATION:

***blinker#password#***

Upon request, the system activates the turn indicators for 30 seconds and then automatically deactivates them. When the turn indicators are activated, the system sends the user an SMS to confirm activation.

#### **ATTENTION**

An optional siren, if fitted, will sound for as long as the blinkers are flashing.

### 9.11 - SYSTEM ARMING:

***on#password#***

Upon request, the system sends the user the following confirmation message:

**-System armed; GPS status; latitude; longitude; speed; hour; date.**

### 9.12 - SYSTEM DISARMING:

***off#password#***

Upon request, the system sends the user the following confirmation message:

**-System disarmed, GPS status; latitude; longitude; speed; hour; date.**

### 9.13 - SYSTEM STATUS:

***status#password#***

Upon request, the system sends the following message:

**-System status (armed or disarmed); GPS status; latitude; longitude; speed; hour; date.**

### 9.14 - SYSTEM PASSIVE ARMING:

***pas#password#x,0#***

**x = 0 or 1** (0=OFF; 1=ON) to enable/disable passive arming.

**0** = factory reserved parameter, do not modify.

When requested by the user, the system sends a receipt confirmation message (ex.: **pas ok**, if the feature has been enabled).

The system will automatically arm 2 minutes after ignition is turned OFF .

#### **ATTENTION**

The system is factory set with passive arming disabled.

### 9.15 - PERIODIC POSITION CONTROL:

***pos#password#180#***

This feature is ONLY available when the system is armed.

The last 3 digits “180” indicate the number of minutes after which the system checks vehicle position (selectable between 1 and 999 minutes).

After the selected period (in this case 180 min.), the tracking unit checks the vehicle position and, if it turns out to be different from the one previously saved, it will send an SMS to the registered phone numbers (as in case of an alarm condition).

The message will ONLY be sent if ignition key is “OFF” during the set period.

If ignition is turned “ON”, the countdown will start again once ignition is turned “OFF”.

To disable this function, set: “000” (three zeros).

### 9.16 - AUXILIARY INPUT CONFIGURATION:

***aux#password#n***

Letter “n” indicates a numerical value from 0 to 9 (see table in Installer manual).

This command is used to configure the auxiliary input according to the connection made by the installer.

Programming of auxiliary input should not be modified. Ask your installer about the operation procedure as well as the correct and appropriate use of the system.

## 10.0 - VEHICLE PARKING

Under certain conditions, GPS visibility could result absent or quite limited. In this case the LED on the electronic key receptacle will be ON steady (ignition key “ON”) instead of blinking every 5/7 sec.

If, when parking, the LED is ON steady, GPS reception is not currently sufficient to get a location fix.

- GPS reception might be affected by certain conditions or it might be blocked in restricted areas (such as military zones).
- Sometimes covered parking structures obstruct reception of GPS signals; which makes it impossible to get a location fix (the system will nonetheless register the last “visible” position, before entering the parking).
- Many covered parking structures, have a GSM coverage which allows the system to communicate regularly with the user.

If the vehicle is stored for a long period of time, check the battery periodically (even though power consumption is very low) and, if necessary, recharge it with an external power supply.

## 11.0 - MESSAGES

### 11.1 - ERROR MESSAGES

If a wrong command is sent, the system forwards a “wrong command” notification.

### 11.2 - ALARM MESSAGES

In case of an alarm condition, the system will send an SMS indicating the alarm type to the 1st predefined number. After 5/7 minutes, the same message is forwarded to the 2nd number. If no 2nd number is available, the message will be delivered again to the 1st number.

If the user intervenes within 5/7 minutes by sending any command to the system (i.e. localization request), the second message will be not forwarded.

Every SMS contains vehicle position, speed, time and date (example: GPS ok;lat:42,10,26,N;lon:013,49,08,E;spe:000;08.16;25/07/06).

**NB:** Letters “N” and “E” in messages indicate the cardinal points North and East.

Possible alarm conditions are listed below:

- Ignition alarm;
- Tilt alarm;
- Position alarm;
- Battery alarm;
- Generic alarm (GREEN-BROWN wire);
- Alarm (wireless sensors);

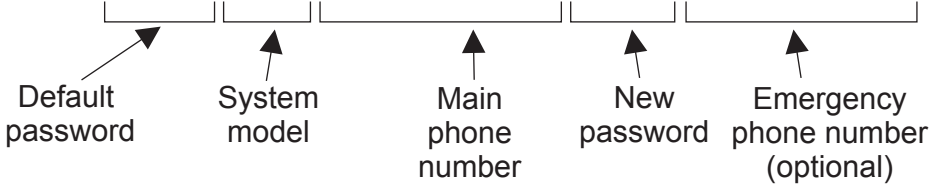
## 12.0 - MyGTRACK MANAGEMENT EXAMPLE

To better understand system operation and management, an example is given below.

### 12.1 - SYSTEM CONFIGURATION

The SMS sent in this example contains a configuration string for a “BASIC” version system:

**Setup#000000#basic#+393475555555#AA1234#+393476666666#**



When the configuration string is sent, the system replies:

**Setup ok with password=AA1234**

Repeat this operation every time you want to modify the password or phone numbers.

#### ATTENTION

The new password must be a 6-digit code and can contain both numbers and letters (i.e.: AA1234 or aa1234); The password is key-sensitive, therefore by typing characters other than the ones entered (upper and lower case letters are not equivalent), the system will not operate properly. Commands can either be sent with capital or small letters.

### 12.2 - VEHICLE LOCALIZATION

Send a localization request message: **loc#password#**

The system will answer with the following SMS:

**System (armed or disarmed); GPS (ok or not GPS);  
Lat:42,10,26,N;lon:013,49,08,E;spe:000;08.16;25/07/06; Google Maps link**

Latitude      Longitude      Speed      Time      Date

Where: 42,10,26 = latitude 42°10'26" and 013,49,08 = longitude 13°49'08"

If you have a data plan to access internet, simply click on the Google Maps link contained in the SMS text message received in response to the locate command otherwise enter the GPS coordinates in the Google Maps search field.

**NB:** The **Google Maps link** is only applicable to devices labeled Rev.08 or higher.

## 13.0 - VEHICLE MAINTENANCE

When the vehicle needs servicing, the system must be disarmed and passive arming disabled (if enabled) to avoid false alarms.

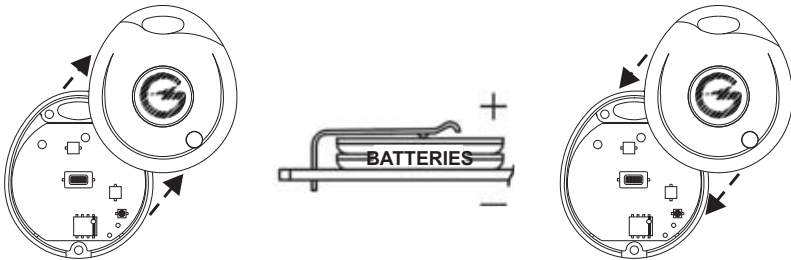
### **⚠ WARNING**

If the system is not disarmed, false alarms will be continuously triggered and messages forwarded with consequent consumption of SIM card credit.

## 14.0 - REMOTE CONTROL BATTERY REPLACEMENT

When the remote control batteries are too weak, replace them as follows:

- Separate the shell halves taking care not to damage the internal circuit.
- Remove the discharged batteries.
- Insert the new ones taking care not to invert the polarity.
- Close the plastic shells and make sure the remote works properly.



### **⚠ WARNING**

Use only CR1616 batteries.

There is a serious risk of explosion if batteries are replaced by an incorrect type.

Different type batteries can also seriously damage the remote control.  
Discard used batteries properly in special dedicated containers.



## 15.0 - COMMANDS

REQUEST	COMMAND
Initial configuration and/or data modification	<i>setup#password#version#main phone number#new password#emergency phone number#</i>
Initial configuration and/or data modification with STOP & GO activation	<i>setup#password#version#main phone number#new password#emergency phone number#f#</i>
Initial configuration and/or data modification with STOP & GO deactivation	<i>setup#password#version#main phone number#new password#emergency phone number#s#</i>
Initial configuration with <u>tilt sensor exclusion</u> and/or data modification	<i>setup#password#nav#main phone number#new password#emergency phone number#</i>
Vehicle localization	<i>loc#password#</i>
Tracking (vehicle movement)	<i>trk#password#</i>
Speed alert	<i>speed#password#060</i> (ref.01)
Engine immobilizer activation	<i>stop#password#</i>
Engine immobilizer disabling	<i>go#password#</i>
Blinker and siren (optional) activation	<i>blinker#password#</i>
System arming	<i>on#password#</i>
System disarming	<i>off#password#</i>
System status	<i>status#password#</i>
System passive arming	<i>pas#password#x,0#</i> (ref. 02)
Periodic position control	<i>pos#password#180</i> (ref.03)
Auxiliary input setup (AUX)	<i>aux#password#n</i> (ref.04)

**(Ref.01)** Speed limit indicative value (expressed in km/h, always 3 digits).

**(Ref.02)** 'x': 0 = disable, 1 = enable passive arming .

**(Ref.03)** Indicative value for the time interval after which vehicle position must be checked (expressed in minutes, always 3 digits).

**(Ref.04)** See installer manual.

## 16.0 - CONTROL UNIT MAINTENANCE

Care should be taken to protect the electronic device:

- Do not clean the unit with water but use a damp cloth to wipe.
- Do not tamper with the antennas and their wiring.
- Do not use voltages other than the one specified by the manufacturer.
- Do not remove warranty labels.

## 17.0 - WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT (WEEE) DIRECTIVE

The present device does not fall within the scope of Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE) as specified in art. 2.1 of L.D. no. 151 of 25/07/2005.



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UK Distributors of the Gemini Alarm Systems

AVS reserve the right to effect changes to the product without further notice. E&OE

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