

INSTALLATION CERTIFICATE

The undersigned qualified installer attests having personally fitted the tracking system on the vehicle described below following the manufacturer instructions.

By :

Sold on :

Product type :

.....

Vehicle :

Stamp and Signature

.....

GEMINI Technologies S.r.l

Via Luigi Galvani 12 - 21020 Bodio Lomnago (VA) - Italia

Tel. +39 0332 943211 - Fax +39 0332 948080

www.gemini-alarm.com

ISO 9001 Certified Company



**955MyBASIC
USER MANUAL**



CE
Made in Italy

REV.00 - 06/17



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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 tracker is set up with a prepaid SIM card, periodically check on your balance to make sure you always have enough credit.

These instructions are an important part of the product and must be kept for future reference.

The following signal words are used throughout the manual to emphasize important instructions or special information.

⚠ 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.

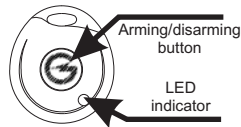
→ KEEP YOUR PASSWORD STORED IN A SAFE PLACE.

→ If the system is armed and the remote control is lost or inoperative, the engine can only be started by first disarming the system (see list of commands par. 18.0).

3.0 - 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 when pressing the button. If the batteries are too weak for normal operation, on pressing the button, the LED will start blinking.



4.0 - ARMING

To arm the system press once on the remote control button. The LED and the turn indicators will blink twice to confirm arming.



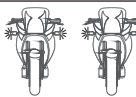


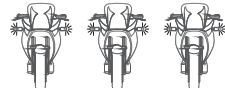
When the system is armed and, until it is disarmed, the vehicle cannot be started. The passive arming feature, enabled via SMS (see chapter 9.7 or 18.0), automatically arms the system 2 minutes after ignition is switched "OFF".

5.0 - DISARMING











To disarm the system press once on the remote control button. 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

		LED flashes	Turn indicator flashes
Arming			
Disarming			

6.2 - PRE-ALARM SIGNALS

LED flashes (15 sec.)	    
Turn indicator flashes (15 sec.)	    

NB: see installer manual for the complete list of optical signals.

7.0 - PRE-ALARM AND ALARM

When the tracker is armed, there is a pre-alarm and an alarm stage. Pre-alarm is signalled by 15 sec. 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.). The tracker also activates the siren (if connected) and the turn indicators for 30 sec. If no one intervenes within 5 minutes, the system sends a 2nd text message to the emergency number (par. 9.0 "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" when 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 refer to par. 9.13 or 18.0.

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 main number (no pre-alarm signal is triggered). This function is active even when the system is disarmed, it is only inhibited when the system is in valet mode (par. 9.8 or 13).

8.5 - GENERIC ALARM (GREEN-BROWN wire)

ATTENTION

A generic alarm message will only be transmitted if the Green-Brown wire has been connected and the system configured 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

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:

Send the following message to initialize the system:

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

The default password is the same for all devices "000000", therefore, for security reasons, we recommend that you change it.

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.

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).

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.

9.2 - VEHICLE LOCALIZATION:

loc#password#

When the SMS is sent to the system it will reply:

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

9.3 - TRACKING (VEHICLE DISPLACEMENT):

trk#password#

When this SMS is sent to the system, 6 SMS will be forwarded (1 approx. every 90 seconds) the 1st one to the sender and the other 5 to the user, indicating:

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

9.4 - SYSTEM ARMING:

on#password#

When the SMS is sent to the system it will reply:

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

9.5 - SYSTEM DISARMING:

off#password#

When the SMS is sent to the system it will reply:

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

9.6 - SYSTEM STATUS:

status#password#

When the SMS is sent to the system it will reply:

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

9.7 - SYSTEM PASSIVE ARMING and SLEEP MODE:

pas#password#x,y#

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

y = 0 or 1 (0=OFF; 1=ON) to enable/disable sleep mode.

When the SMS is sent to the system it will reply: (ex.: **pas ok/sleep on**, if both features have been enabled).

The system will automatically arm 2 minutes after ignition is turned OFF and will go into sleep mode after 24 hours of vehicle inactivity.

ATTENTION

The system is factory set with passive arming disabled and sleep mode enabled.

9.8 - VEHICLE SERVICING MODE ACTIVATION:

seron#password#

The system will activate the "valet mode" (for vehicle servicing) and reply "servicing mode enabled".

ATTENTION

During servicing, if the system is disarmed, only the position alarm and the alarm triggered by the auxiliary input (configuration 0 or 2) are active.

If the system is armed and the valet mode is activated auxiliary input (configuration 1 and 3) will also be active (refer to the installer manual).

9.9 - VEHICLE SERVICING MODE DEACTIVATION:

seroff#password#

The system will deactivate "valet mode" and reply "Servicing mode disabled".

9.10 - PERIODIC POSITION CONTROL:

pos#password#180#

ATTENTION

The code for requesting vehicle position must always be a 3-digit number. 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, enter: "000" (three zeros).

9.11 - STOP & GO ACTIVATION:

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

When the SMS is sent to the system it will reply:

setup ok with password= new password.

Every time ignition is turned "ON", the user will receive this message:

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

Every time ignition is turned "OFF", the user will receive this message:

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

9.12 - 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 is turned "ON" or "OFF".

9.13 - TILT SENSOR EXCLUSION:

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

When the SMS is sent to the system it will reply:

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 par. 9.1).

9.14 - SPEED CONTROL:

speed#password#060

ATTENTION

The code for requesting speed alert must always be a 3-digit number.

The last 3 digits "060" stand for the speed expressed in km/h. If this speed is exceeded for more than 20 sec., the system sends the user (after 20 sec.) 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 sec., the system will send a "maximum speed exceeded" message when the engine is switched OFF.

To disable speed control, set speed value as "000" (three zeros).

9.15 - ENGINE IMMOBILIZER ACTIVATION:

stop#password#

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).

9.16 - ENGINE IMMOBILIZER DEACTIVATION:

go#password#

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

ATTENTION

The engine immobilizer can ONLY be disabled via SMS.

9.17 - BLINKER ACTIVATION:

blinker#password#

When the SMS is sent to the system it will activate the turn indicators for 30 seconds and then automatically deactivate 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.

9.18 - 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 - ADDITIONAL INFORMATION

Under certain conditions, GPS visibility could result absent or quite limited. In this case the LED 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 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).

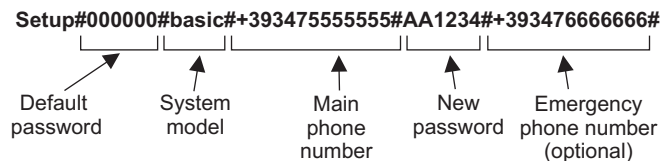
NB: Letters "N" and "E" in messages indicate the cardinal points North and East.

Possible alarm conditions are listed below:

- Ignition alarm;
- Tilt alarm;
- Position alarm;
- Battery alarm;
- Generic alarm (GREEN-BROWN wire);
- Alarm (wireless sensors);
- Speed alarm (to main phone number only).

12.0 - EXAMPLE OF HOW TO USE THE TRACKER

12.1 - SYSTEM CONFIGURATION



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

loc#password#

When the localization SMS is sent, the system will reply:

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.

13.0 - VEHICLE SERVICING

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 - SLEEP MODE ACTIVATION/DEACTIVATION

To further reduce energy consumption, the system, armed or disarmed, automatically reverts to sleep mode when the vehicle is left unused for at least 24h. To restore normal operation, simply move the vehicle, hop on it or turn ignition ON. When the system awakens, the LED and the turn indicators flash 6 times followed by 9 other flashes of the LED.

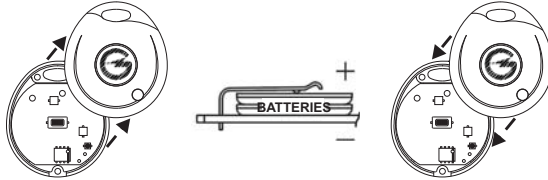
If the system was previously armed, it can be disarmed during the flashing sequence without triggering any alarm.

In case of an alarm event (ex. vehicle is bumped/moved or there is an attempt to turn ignition ON), the system wakes up, checks all inputs and sensors and, if necessary, triggers an alarm and forwards an SMS alert (par.8.0).

15.0 - 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.

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 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.

18.0 - COMMANDS

REQUEST	COMMAND
Initial configuration and/or data modification	<i>setup#password#basic#main phone number#new password#emergency phone number#</i>
Initial configuration and/or data modification with STOP & GO activation	<i>setup#password#basic#main phone number#new password#emergency phone number##</i>
Initial configuration and/or data modification with STOP & GO deactivation	<i>setup#password#basic#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 displacement)	<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>
Passive arming & Sleep mode	<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)
Servicing mode ON	<i>seron#password#</i>
Servicing mode OFF	<i>seroff#password#</i>

(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.