



861 - 862
863/24

USER MANUAL



Made in Italy

AVS: Rev 08/16

1.0 - PRELIMINARY ADVICE.....

USER MANUAL

2.0 - OPERATING DESCRIPTION.....

 2.1 - Complete system arming.....

 2.2 - System arming with siren sound exclusion.....

 2.3 - System arming with sensor and comfort control exclusion.....

 2.4 - Passive arming.....

 2.5 - Arming inhibit time.....

 2.6 - System armed.....

 2.7 - Alarm, inhibit time between alarms and alarm cycles.....

 2.8 - System disarming.....

 2.9 - Alarm memory.....

3.0 - NEW PIN-CODE PROGRAMMING.....

4.0 - EMERGENCY DISARMING BY PIN-CODE.....

5.0 - GARAGE FUNCTION.....

1.0 - PRELIMINARY ADVICE

Dear Customer, this manual has been written based on the complete system; some functions, electrical connections and other are not available in all models.

For this reasons, in order to avoid repetitions in the manual, before installing your alarm model, you are kindly requested to verify it and refer to the suitable instructions.

GEMINI 862: same as 863 without self-powered battery.

GEMINI 861: same as 862 without electronic key and engine block.

In order to indicate to the installer and to the user some particular functions or connections, an icon symbology has been used, which is briefly described below:

**Indications useful for the user.**

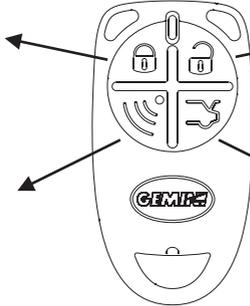
This icon provides the user with indications for a diversified use of the system or it simply provides indications useful for the use.

USER MANUAL

2.0 - OPERATING DESCRIPTION

PUSH-BUTTON nr. 1:
• **SYSTEM ARMING.**

PUSH-BUTTON nr. 3:
• **SENSORS EXCLUSION.**
• **PANIC ALARM or CAR FINDER.**
• **SIREN CONTROL DURING ALARM CONDITIONS.**

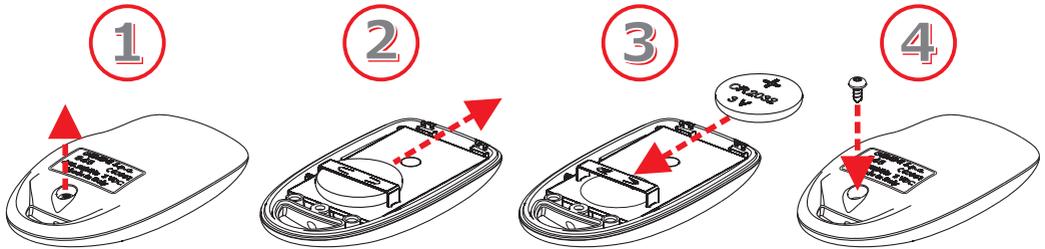


PUSH-BUTTON nr. 2:
• **SYSTEM DISARMING.**
• **SIREN SOUND EXCLUSION.**

PUSH-BUTTON nr. 4:
• **BOOT OPENING.**

When batteries are almost uncharged, the LED will flash at every pressing of the radio control push button.

For battery replacement follow the indications reported below.



Use only batteries of CR2032 type; we suggest to not throw the exhausted batteries in the normal garbage bins, but to use the specific containers for their disposal.

2.1 - COMPLETE SYSTEM ARMING

Press the push-button nr.1 (padlock closed) of the remote control or insert the electronic key into the specific receptacle.

The system arming is confirmed by two acoustic signals and two flashes of the turn signals.

The system has a 35" pre-arming "neutral time" (indicated by LED's permanent turning on).

2.2 - SYSTEM ARMING WITH SIREN SOUND EXCLUSION

This function allows the user to arm the alarm system, excluding the siren sound in case of a theft attempt.

To exclude the siren, proceed as follows:

- With the alarm system being disarmed, turn the ignition key to "ON" position; the status will stay on for about one second.
- During this time, push the button nr.2 (padlock opened) of the remote control.
- Go away from the vehicle and push the button nr.1 (padlock closed) of the remote control.
- The system will be armed with normal optical and acoustic signaling, although the latter will be not activated in case of an efferaction attempt.



The siren sound exclusion is bound to the single arming cycle.
This function is applied close to the hospitals.

2.3 - SYSTEM ARMING WITH SENSOR AND COMFORT CONTROL EXCLUSION

This function allows the user to arm the system with internal volumetric protection, external sensors (infrared wireless), positive with system armed (+A) and comfort function excluded.

To activate this function, the system should be disarmed and the ignition key turned to the "OFF" position; proceed as follows.

- Press the push-button nr.1 of the remote; the system will be armed with normal optical and acoustic signaling.
- During the 35" of the arming neutral time, press the push-button nr.3 of the remote.
- One short turn signals flashing and the LED's turning off for one second indicate sensor exclusion.



Sensors and comfort function exclusion is bound to the single arming cycle.

2.4 - PASSIVE ARMING

After the programming the alarm is set to be passively armed, about 30" after the vehicle switching off. One turn signals flash, two LED flashes and two acoustic signalling will be indicate the activation procedure starting.



In case of alarm system passive arming, internal sensors and comfort output (automatic window closing) will be excluded .
Moreover, the vehicle's door opening during the 30" before the passive arming, inhibit activation temporarily.

2.5 - ARMING INHIBIT TIME

The inhibit arming time lasts for approximately 35" and is indicated by a illuminated status LED.

2.6 - SYSTEM ARMED

After the inhibit time the system is "armed" and it is ready to detect any theft attempt.
When the system fully armed, the LED flashes.

2.7 - ALARM, INHIBIT TIME BETWEEN ALARMS AND ALARM CYCLES

As mentioned before, the alarm system will indicate any theft attempt by optical/acoustic signals.
After the alarm has been triggered, before another alarm cause, there are 5" of "neutral time" that allow to disarm the system by emergency pin-code.



PIN-CODE changing is suggested, at user's discretion.

The alarm signalling has 8 cycles of 30" each for input and arming cycles, except the "starting attempt" and the system power supply "cut wires".



It's possible cut off the alarm cycle without deactivating the system by pressing the push-button nr.3 of the remote control.

2.8 - SYSTEM DISARMING

Press the push-button nr.2 (padlock opened) of the remote control or insert the electronic key into the receptacle.

System disarming is confirmed by three siren acoustic signals and three flashes of the turn signals.

If an alarm condition has occurred, it will be signalled by five turn signal flashes and five acoustic signals.

See relative paragraphs (2.9) for possible causes and signaling.

2.9 - ALARM MEMORY

In case of five turn signals flashes and five acoustic signals occurring at the system disarming, thanks to the LED's memory, it is possible to identify the cause which has generated the last alarm condition.

Turn the vehicle ignition key in "ON" position and look at the vehicle status LED; It will start to blinks, shown the last alarm condition.

The optical signalling will be indicate for 5 times and this indication can be interrupted by turning the vehicle ignition key to "OFF" position.

The possible alarm trigger signaling are indicated in the table reported below.

LED SIGNALLING	ALARM CAUSE	Nr. OF ALARM
* * ● * *	Starting attempt (+15/54)	Infinite
* * * ● * * *	Doors opening	8
* * * * ● * * * * *	Bonnet opening or external sensors	8
* * * * * * ● * * * * * *	Internal sensor	8
* * * * * * * * ● * * * * * * * *	Wirless magnetic contact	8
* * * * * * * * * ● * * * * * * * * *	Wirless infrared sensor (PIR)	8
* * * * * * * * * * ● * * * * * * * * * *	Absorption sensor	8
* * * * * * * * * * * ● * * * * * * * * * * *	Cut wires	Infinite
● LED OFF (2 seconds) * LED ON (1 second)		

3.0 - NEW PIN-CODE PROGRAMMING

The procedure to program pin-code is specified here below as previously described, it is better to personalize as customer has required.

In this example reported below, supposing that the pin-code is 5-4-6-7.



To carry out the operation successfully, make sure the required electrical connections (door push-button and positive under key) are complete.



During PIN-CODE programming phase, if flashes are more than 9, this phase will be invalid and the system will close the procedure.

- With the system being disarmed, open the driver side door and keep it open.
- Turn the vehicle ignition key to "ON" position.
- The status LED will be turned on for one second; during this period, push simultaneously the two buttons of the remote control with embossed the padlocks.
- After this procedure, two acoustic signals will be sent out, one with acute tone and the other with loud tone and the LED will lighted on.
- Push simultaneously the two buttons of the remote control with embossed the padlocks; the LED will be turned off.
- Turn the vehicle ignition key to "OFF" position.
- After a four second pause, status LED will start with the first sequence of 9 flashes.
- At the fifth LED flashing (corresponding at nr.5, first digit of the PIN-CODE), push and release the button on the status LED.
- After a four second pause, status LED will start with a new sequence of 9 flashes.
- At the fourth LED flashing (corresponding at nr.4, second digit of the pin-code) push and release the button on the status LED.
- After a four second pause, status LED will start with a new sequence of 9 flashes.
- At the sixth LED flashing (corresponding at nr.6, third digit of the pin-code) push and release the button on the status LED.
- After a four second pause, status LED will start with the last sequence of 9 flashes.
- At the seventh LED flashing (corresponding at nr.7, fourth digit of the pin-code) push and release the button on the status LED.
- The system will indicate the end of the procedure by two acoustic signal with low tone and one with high tone.

4.0 - EMERGENCY DISARMING BY PIN-CODE

The procedure for emergency disarming by pin-code is following, reported below.

Kindly note that the standard pin-code programmed is of the four digit 1-1-1-1.

The same number used for pin-code programming (5-4-6-7) has been used also for emergency disarming example.



During PIN-CODE disarming phase, if flashes are more than 9, the procedure will be interpret as a theft attempt.

- Cause an alarm condition.
- Leave the system triggering for the standard alarm timing (about 30 seconds) and wait for the “inhibit time between two alarm signalling” (LED switched off for 5”).
- During this period push and release the push-button of the status LED.
- From now and on the system is in the “emergency procedure disarming”.
- After about 4 seconds the first 9 flashing sequence starts.
- At the fifth LED flashing (corresponding at nr.5, first digit of the pin-code), push and release the button on the status LED.
- The LED will be switch off for about 4 seconds than a new 9 flash sequence will start.
- At the fourth LED flashing (corresponding at nr.4, second digit of the pin-code), push and release the button on the status LED.
- The LED will be switch off for about 4 seconds than a new 9 flash sequence will start.
- At the sixth LED flashing (corresponding at nr.6, third digit of the pin-code) push and release the button on the status LED.
- The LED will be switch off for about 4 seconds than a new 9 flash sequence will start.
- At the seventh LED flashing (corresponding at nr.7, fourth and last digit of the pin-code) push and release the button on the status LED.
- If the code is right, the end of the emergency disarming by pin-code will be indicated by the alarm with visual/acoustic signalling.
- Vice versa, if the inserted numbers are wrong, the alarm will start triggering again; in this case, repeat all procedure.

5.0 - GARAGE FUNCTION



This function is used ONLY if “system self-rearming” or “passive arming” functions have been programmed.

This function is used when the alarm disarming is required, e.g. for maintenance, without any intervention to the previous programming.

For procedure activation follow the indications reported below:

- Arm the system and wait for the end of arming neutral time.
- Put the electronic key into the specific receptacle.
- Three acoustic signals of the siren and three optical signals of turn signals will indicate the system's disarming and the above mentioned function deactivation.
- To restore normal operating of programmed functions, arm the alarm via the remote control.

WARRANTY CONDITIONS

This product is guaranteed to be free from manufacturing defects for a period of 24 months from the installation date shown on this warranty, in compliance with the Directive 1999/44/CE.

Please fill-in entirely the guarantee certificate included in this booklet and do NOT REMOVE the guarantee label from the device.

The warranty will become void if labels are missing or torn, if the installation certificate is not fully compiled or if the enclosed sale document is missing.

The guarantee is valid exclusively at authorized Gemini Technologies S.p.A. Service Centers.

The manufacturer declines any responsibility for eventual malfunctions of the device or any damage to the vehicle electrical system due to improper installation, use or tampering.

This alarm system is solely intended to be a theft-deterrent device.

TECHNICAL SPECIFICATIONS

Power supply 863 - 862 - 861	12 Vdc
Power supply 863/24 - 862/24	24 Vdc
Current absorption @ 12Vdc with system armed and LED flashing	15 mA
Working range temperature	From -30°C a +70°Cto
Turn signals relay contact capacity	8 A at 20°C
Engine immobiliser relay contact capacity	8 A at 20°C
Alarm cycle duration	30 sec.
Maximum positive current output when armed (+A)	10 mA
Additional siren output current capacity	5 A

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.



Aftermarket Vehicle Solutions Limited

7 Dudley Court , Jessop Close, Clacton-on-Sea, Essex, CO15 4LY

TEL: +44 (0) 1255 434353

Email: sales@avsgemini.com | Web: www.avsgemini.com

UK Distributors of the Gemini Alarm Systems

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

GEMINI Technologies S.p.A.

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

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

www.gemini-alarm.com

ISO 90001 Certified Company

