

KG-889

BI-direction Remote Starting Security System

● FEATURES:

1. Code Hopping system.
2. Pre-learned one 2-way 4-button controller with LCD panel, expandable to two transmitters.
3. Remote starting.
4. Remote (silent) arming/disarming.
5. Starter disables (500mA negative output) in the arming.
6. Auto re-arms.
7. Driving lock mode.
8. Car (silent) searching.
9. Audible intrusion zone identification.
10. Defective zone alert and by-pass.
11. Power failure memory.
12. Key-less entry while ignition is on.
13. Remote panic.
14. Anti-hijack by transmitter.
15. Emergency key reset.
16. Last Door Arming set by transmitter.
17. When triggered by sensor, the siren will sound for 30 sec.
18. When triggered by door · trunk · hood or ACC, the siren will sound for 60 seconds.
19. Plug-in dual zone shock sensor.
20. 2 negatives and 1 positive trigger inputs.
21. Central locking, active time selectable- 0.5 or 3.5 seconds.
22. Pre-warn away.
23. Multi-function LED status indicator.
24. Flashing fuse protects marker lights.
25. Status output – for transponder by-pass.
26. Disarm output – disarm factory alarm before start.
27. Rearm output – rearm factory alarm after engine shut off.
28. Remote engine warm-up time is selected with remoter - 6 or 18 minutes.
29. Programmable Software Gear Sensor for the manual transmission car.
30. Valet mode.
31. Turbo timer – 2 minutes.
32. Remote engine warm-up time is selected with remoter - 6 or 18 minutes.
33. External actuator's relay (Optional).
34. Remote trunk release (for optional trunk opener system).
35. Windows close (for optional window closer system).

● LEARNING TRANSMITTER CODES:

This alarm system can expand to two pieces of transmitter, and comes from the factory with one 2-way controller, which is programmed into the system's memory. According to the following steps to add or delete transmitter code of the security system.

Step 1: In disarming mode, turn the ignition switch ON/OFF five times (**each time must be finished within 1 second, or alarm system will skip it**) and stay the ignition switch to "ON" position, siren will echo 4 chirps.

Step 2: Within 10 seconds, press button **I** & **-** of new transmitter for learning. When the first transmitter code is learned, all other previous codes will be erased, which is protecting your alarm system from all other codes entering without your knowledge.

ITEM	TRANSMITTER	SYSTEM CONFIRMATION
1.	The 1 st transmitter	One siren burst and one siren chirp.
2.	The 2 nd transmitter	One siren burst and two siren chirps.

Step 3: Turn off the ignition switch or 10 seconds of no transmitter activity, alarm system will skip automatically the code-learning program and siren will burst once.

● **ARMING:**

After getting off the vehicle, press and release button **I** (not over 2 seconds), siren will chirp once to confirm arming of alarm. Lights flash once, doors lock, power windows roll-up (if installed) and engine killer enables.

● **DISARMING:**

In arming mode, press and release button **II**, siren will chirp twice, lights flash twice, doors are unlocked and engine killer disables.

● **SILENT ARMING:**

Press the button **III**, the system will have no audible confirmation but light will flash once.

● **AUTO RE-ARMING:**

After disarming the alarm system. If the car owner does not get in the vehicle and turn on the ignition switch within 30 second; after 20 sec., the siren will echo 2 chirps (lamps flash twice in silent arming previously) to remind the driver; alarm will reset itself and enter arming mode again.

● **DEFECTIVE ZONE ALERT & BY-PASS:**

While arming the alarm, if the siren chirps 4 times (3 times for silent arming), which means that door is not shut properly. The alarm will bypass that zone; however, it will still protect other zones.

● **ALARM MODE & WARN AWAY:**

Press button **I** , **II** or **III** to stop alarm mode, and system will still in arm mode.

1. If alarm is triggered by the first stage of shock sensor, siren will sound for 2 seconds chirp to warn away the intruder.
2. If the car is tampered with, bumped into, or if somebody tries to unload the tire, the alarm will sound for 30 seconds and then re-arm.
(In silent arm mode, the siren will not sound for being triggered by sensor)
3. If door , trunk , hood is opened or ACC (ignition switch) is turned on, the system will sound for 60 seconds.

● **INTRUSION IDENTIFICATION:**

If the vehicle is attempted or intruded, meanwhile disarming the alarm, the siren will chirp different sounds to identify which zone has been tempered.

1.	Second stage of sensor was triggered	3 chirps & 3 lights flash
2.	Door , hood was opened, or ACC was turned on	4 chirps & 4 lights flash

● **CAR (SILENT) SEARCHING:**

Press button **I** in arming mode, lights will flash once and siren will sound a long blare to execute car-searching function.

Silent car searching: press button **III** and it will only flash the lights to spot the vehicle.

● **KEYLESS ENTRY WHILE IGNITION IS ON:**

When driving the car, you can lock the door with pressing button **I** of transmitter, the lights flash once; Unlock the door with pressing button **II** of transmitter, the lights flash twice.

● **REMOTE ANTI- HIJACK by TRANSMITTER:**

While you were driving the car, press button **I** over 2 seconds, the system will activate this function: the lamps will flash twice, and after 30 seconds the siren will sound and lights flash; 15 seconds later, the engine killer will pulsate; the engine will shut down after 15 seconds, the windows roll up and the doors will be locked.

Release this function; just press button **I** again, the system will confirm the LED is off.

● **REMOTE PANIC:**

When ignition switch is off, press button **I** over 2 seconds, the siren will sound and lights will flash. After 60 seconds, alarm will turn it off automatically and return to previous status. However, press button **I** again to turn off the panic mode rather than wait for 60 seconds.

● **DRIVING LOCK MODE:**

1. Turn on ignition (all doors have to close properly) and 2 second later, the Central Door Lock will be locked automatically.
2. Turn off ignition; the Central Door Lock will be unlocked automatically.
3. Set / Release this function: Turn the ignition switch on, press button **II** for 2 seconds-

1.	One chirp	Driving lock mode is set (Factory default)
2.	Two chirps	Driving lock mode is release

● **EMERGENCY KEY RESET:**

1. If the remoter is lost, or its battery become exhausted, the owner can enter the car by the key and it will act the alarm.
2. It can be reset the alarm by the ignition switch:
 - A.) Open a door and pull down the handbrake at first. (Keep door opening)
 - B.) Turn on/off the ignition switch 5 times (Each turn on/off must be finished within 1 second) and will disarm the alarm instantly.

● **REMOTE TRUNK RELEASE:**

When ignition switch is off, press and hold button **II** over 2 seconds the system will open the trunk; In arming mode, however, the system will enter disarming mode first before opening the trunk.

Note: Disarming the alarm system in this way, the system will not execute "Auto Re-arm" feature.

● **LAST DOOR ARMING:**

1. Whenever the ignition is turned from on to off and any door opened and closed again, after 20 sec., the siren will echo 2 chirps (lamps flash twice in silent mode previously) to remind the driver; and 10 sec. later, the system will lock the doors and enter arming automatically.
2. Set / Release "last door arming": Turn the ignition switch on, press button **I & II** at the same time for 2 seconds-

1.	One chirp	Last door arming is set (Factory default)
2.	Two chirps	Last door arming is release

● **TURN ON/OFF the VALET MODE:**

1. Turn on the ignition switch; then press the button **III** over 2 seconds to activate the valet mode.
2. The siren will chirp once and LED status light will be on steady.
3. The system can only operate panic · doors lock and 2nd channel output.
4. Turn on the ignition switch; then press the button **III** over 2 seconds, the valet feature will be turned off. In the meantime the LED will be turned off and siren will echo two chirps.

● **POWER FAILURE MEMORY:**

Any attempt to interrupt the power and connect it again, the alarm will back to the status of power failure.

● **REMOTE ENGINE START WARM-UP TIME:**

This system has two options for start warm-up time - 6 or 18 minutes, which is programmed by remoter.

Turn on the ignition switch, press button **I** + **III** at the same over 2 seconds.

1.	One chirp	Remote engine start warm-up for 18 minutes
2.	Two chirps	Remote engine start warm-up for 6 minutes (Factory default)

● **SOFTWARE GEAR SENSOR ON/OFF:**

The remote engine start function can only work with manual transmission car after programming the software gear sensor.

1. How to program the software gear sensor:

Turn on the ignition switch, press button **II** + **III** at the same time over 2 seconds.

1.	One chirp	Software gear sensor is on (for manual transmission vehicle) (Default)
2.	Two chirps	Software gear sensor is off (for auto transmission vehicle)

2. How to operate the software gear sensor:

When you are seating in the vehicle, which the engine is running and doors are closed, place the shifter in the neutral position and pull up the handbrake. Press the button **•** to act keyless running mode. In the meantime, the lights will turn on. Turn off the ignition switch and remove the key from the ignition within 15 seconds; the engine will stop immediately after the doors being re-closed. Siren chirps once.

Note: If the turbo timer is on, the engine will stop after 2 minutes instead of right away.

Note: Above purpose is to assure the manual transmission car will be on the neutral position for the next remote starting safety.

3. If any attempt to start the engine by transmitter without second step, the siren will echo 6 chirps (5 chirps for silent arming) to remind it.

● **TURBO TIMER ON/OFF:**

When you are seating behind the wheels, place the shifter in the neutral position and pull up the handbrake. Press the button **•** to act keyless running mode. In the meantime, the lights will turn on. Turn off the ignition switch and remove the key from the ignition; the engine will stop after 2 minutes.

Turn on the ignition switch, press button **•** over 2 seconds.

1.	One chirp	Turbo timer is on
2.	Two chirps	Turbo timer is off (Factory default)

● **REMOTE ENGINE STARTING:**

Press button **•** for engine start. The siren chirps once (If previous status is silent arming mode, the siren no chirp). The engine will start with 7-second pre-heating, and engine starts automatically.

1. If the car doesn't start successfully, or engine stops, it will start again up to 5 times.
2. After the engine is started, the lights will flash.
3. Press button **•** again to stop the engine and system will return to previous status.
4. Start the engine in arming mode:
 - ※Press button **II** to unlock the door, the system will enter disarm mode directly.
 - ※Any intend to open the door or hood will trigger the alarm, the system will kill the engine, flash the lights and sound for 60 seconds, then return to arming mode.

5. After the engine has been started for 6/18 minutes, the system will kill the engine and return to previous status and the siren will sound for 3 seconds.

Note: If the car is in abnormal conditions (i.e. Hand-break is not pulled up), the system will echo two long sounds, and return to previous status.



● LED STATUS INDICATOR

- Slow flash : Arm / alarm / panic / anti-hijack.
Fast flash : Auto re-arm.
Steady light : Last door arming / send message to controller.
No light : Disarming mode.

Note: Main unit will not accept the command during sending message to controller.

★★★ ILLUSTRATION OF 2-WAY CONTROLLER ★★★






● THE OTHER FUNCTIONS OF 2-WAY CONTROLLER:

1. **Power saving function:** press button  +  at the same time.

1.	Short beep	Power saving function is ON
2.	Long sound	Power saving function is OFF (Default)

Whenever disarm the system and power saving function is on, 70seconds later, the 2-way controller shut off the power automatically.

NOTE: The 2-way controller couldn't monitor the system's status in last door arming with power saving function is on.

2. **Silent function (Vibration function):** press button  +  at the same time.
The LCD screen will appear , and all confirmation sound will turn off except the sound for alarm.
3. **Turn on backlight of LCD:** press button  &  at the same time.
The backlight will turn on for 3 seconds if no other button is pressed.
4. **Timer indicator:**
There are two types of timer,
(1) Timer of arming:
When the system enters arming mode or silent arming mode, the timer will initial. The maximum interval for timer of arming is 19 hours and 59 minutes.
(2) Timer of engine warm-up:
When the engine starts successfully by remoter, the timer will initial.
5. **Low voltage indicator:**
When battery becomes exhausted, the icon on the LCD screen for battery will disappear. For some characteristic of battery, it only low confirmation sound. Please change a new battery for controller at this moment.
6. **How to change battery:**
First of all, unlock the cover and slide it off, it will beep once and all icons turn on for a while after putting on the battery. If there is no beep after changing the battery, please take out the battery and reinstall it after 30 seconds. If you want to retain the data of clock, put the battery on within 30 seconds.
※After changing of battery, make sure the cover is properly closed and lock it.
※ALKALINE battery is recommended.

<< BRIEF OPERATION TABLE >>

<u>Button</u>	<u>Ignition Off</u>	<u>Ignition On</u>	<u>Engine Start in Arm Mode</u>
Press button I	Arm/ Car search	Lock	Lock
Press button II	Disarm	Unlock	Disarm/ Unlock
Press button III	Silent arm/ Silent Car search		
Press button ° for 1 second	Remote start On/Off		Kill engine
Press button I over 2 sec.	Remote panic	Anti-hijack	
Press button II over 2 sec.	Trunk release		Disarm & trunk release
Emergency reset	a.) Open a door and pull down the handbrake (keep door opening) b.) ACC On-Off 5 times		

<<PROGRAMMABLE FEATURES>>

<u>Function</u>	<u>Ignition On</u>	<u>System Echo</u>	<u>Factory Default</u>
Last door arming	Press button I + II over 2 sec.	ON : 1 chirp	●
		OFF: 2 chirps	
Driving lock mode	Press button II over 2 sec.	ON : 1 chirp	●
		OFF: 2 chirps	
Valet mode	Press button III over 2 sec.	ON : 1 chirp	
		OFF: 2 chirps	●
Warm-up time setting	Press button I + III over 2 sec.	18 min.: 1 chirp	
		6 min.: 2 chirps	●
Turbo timer	Press button ° over 2 sec.	ON: 1 chirp	
		OFF: 2 chirps	●
Software gear sensor	Press button II + III over 2 sec.	ON: 1 chirp	●
		OFF: 2 chirps	

Federal Communications Commission (FCC) Statement

The users manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

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Federal Communications Commission (FCC) Statement

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.

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.