SPEAR

Warning	If you use remote start, please put your gear position on neutral or parking, and apply hand brake for safety

*This design and specifications of this model could be changed without prior notice for the improvements.

Sinew Systems

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Advanced Technology Leader

SPEAR-5000

SPEAR

The Spearhead
FUZZY TWO-WAY CAR ALARM &
ENGINE STARTING SYSTEM

Car Alarm System with
Remote Starter
User's Manual

Caution : Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC statements
This device complies with part 15 of the FCC Rules. 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.

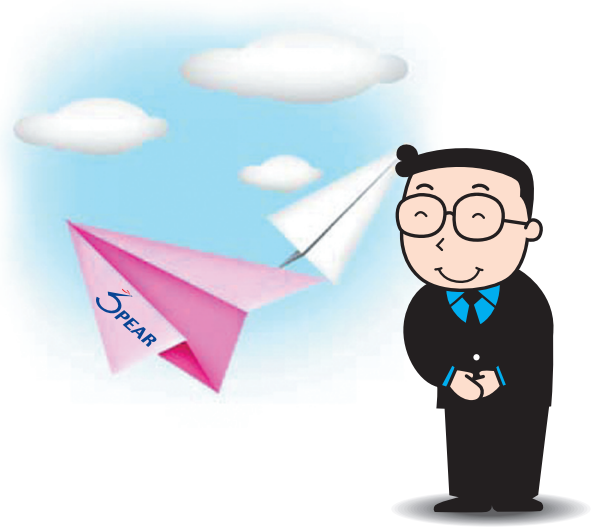
Sinew Systems

Acknowledgements for Customers

◈ Welcome and thank you for choosing SPEAR 5000 of newly developed and cutting edge car alarm system with remote starter.

◈ Before customers' pointing out, we endeavor to make products which satisfy ourselves confidently and by doing so, we believe, we can make customers happier.

◈ For customer's safety and conveniences, we are promised to develop and advance our technologies continuously.



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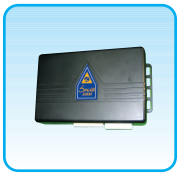
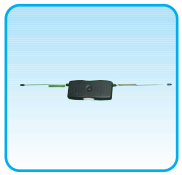
System Contents

SPEAR 5000

Remote Controller



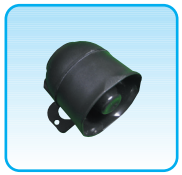
Main Control Box



Transceiver module with two-way antenna

Shock Sensor

Knock Sensor



Siren

Wiring Harness, Relays

User's Manual

SPEAR Logo Sticker

* System contents can be changed without prior notice for the improvements of specifications and functions.

Notice to Customers

Review the following safety precautions and user instructions to avoid injury and prevent damage to this product or any products connected to it.
To avoid potential hazards, use this product only as specified.

1) Users are responsible for car damages and various car accidents due to their faulty installations, incorrect uses and children's misuse etc.
   Manufacturer and retailers are not responsible for these in civil and criminal aspects.
2) There can be a difference of remote sending and receiving distance due to user's surroundings.

3) Warrant period will be 1 year and our headquarters will be responsible for manufacturing defects and
   our service centers will repair installing defects free of charge during warrant period.

4) Although this product provides car robbery protection and user conveniences in car uses,
   we are not responsible for any car damages and car robberies.

5) Please check the product features regularly and prepare car damages can be occurred.

6) If car owner changed, our service centers can fix the product for new owner, but service charge can be happened.

Product & Function Descriptions

Remote Controller Buttons

	Arm & door lock
	Disarm & door unlock
S	Remote engine starter
T	Trunk release
F	Car finder

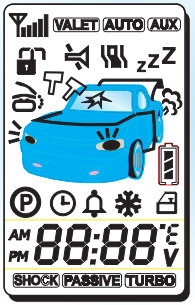
Turning System On & Replacing Battery

1) Insert AAA 1.5 battery into the opening on the back of remote.
2) All functions displayed in the screen with music and vibration.
3) Set the time

'melody' Sound

Screen

Viewing the Display Screen



VALET zzZ	Valet function
AUTO	Automatic/ manual transmission
AUX	Optional functions (window roll up/down & sunroof open/close etc.)
	Arm & door lock
	Disarm & door unlock
	Mute alarm
	Vibration mode
	Trunk release
	Pager for owner
	Shock reception display

	Receiving signal status
	Hood
	Emergency light
	Door opens
	Battery status for remote
V	Car battery's voltage
	Engine starting display
P	Engine start reservation of manual transmission vehicle
	24-hour engine start reservation
	Alarm display
	Cold start (engine protection in winter season)
	5door/4door
AM PM 88:88 °C °F V	Clock, ignition, parking, driving, temperature and voltage display
SHOCK	Shock sensor on mode
PASSIVE	Passive (emergency) mode
TURBO	Turbocharged vehicle mode

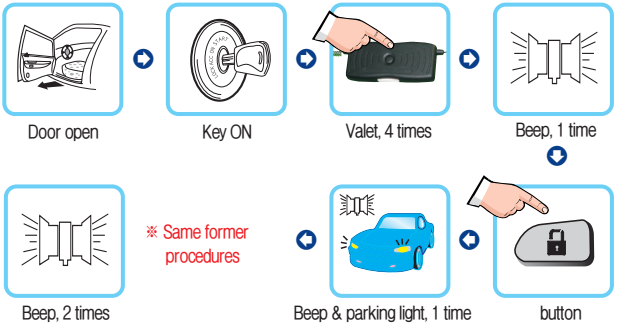
Installing Program Modes

General Remote Code Programming

※ After finish the car installation and power apply to the main unit, programs can be input within 3 seconds.

- Leave the door open.
- Turn the key to ON position.
- Press valet button 4 times. Beep sounds 1 time.
- Press button then program is installed with one beep sound and one parking light flash. If no input occurs within 7 seconds, programming will be done.
- If you want to set up second remote, press button then program is installed with two beep sounds.

  Third remote can be programmed with same method. And beep sounds 3 times.
- You can program total three remotes (two of 2-way remotes first and then one auxiliary remote).

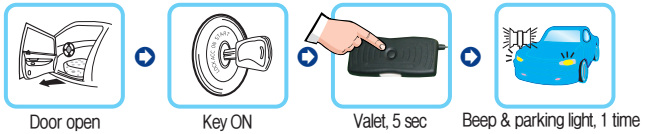


Valet Function

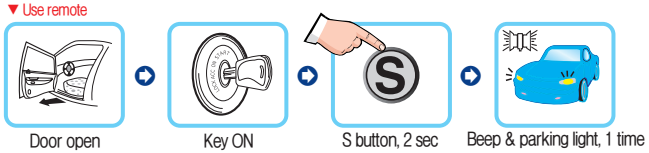
1) Temporary valet: when parking, washing and maintaining the car

- Using valet button : Leave the door open. Turn the key to ON position. And press valet button for 5 seconds.
  Then temporary valet will work with one beep sound and one parking light flash. In this mode, you can use door lock/ unlock function. If you repeat same steps, this mode will be inactivated.
- Using remote controller : Leave the door open. Turn the key to ON position. And press (S) button for 2 seconds.
  Then temporary valet will work with one beep sound and one parking light flash. In this mode, you can use door lock/ unlock function. If you repeat same steps, this mode will be inactivated.

▼ Use valet button

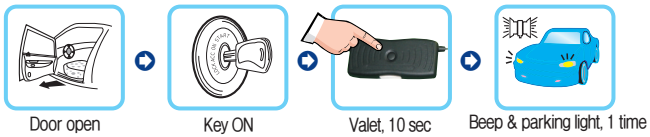


▼ Use remote



2) Permanent valet : when you lost remote controller
(until you input programs to new remote)

- Leave the door open. Turn the key to ON position. And press valet button for 10 seconds. Then permanent alarm disarming will work with one beep sound and one parking light flash.In this mode, you can not use any function until you will use new remote. If you repeat same steps, this mode will be inactivated.

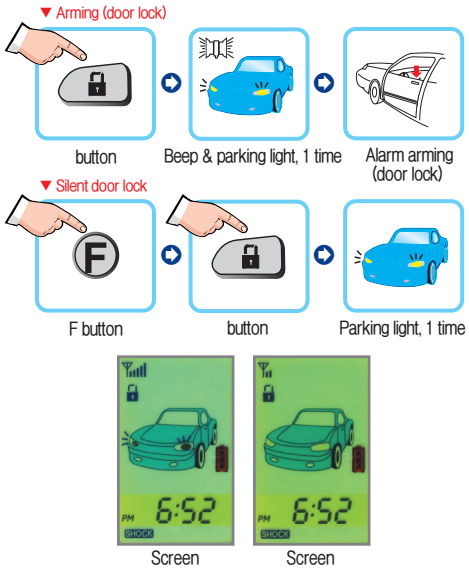


- If you use new remote, first inactivate permanent valet mode and input programs to new remote
  (please see General Remote Code Programming instruction).

Standard Functions

1) Arming (door lock) function: press button for 1 second.

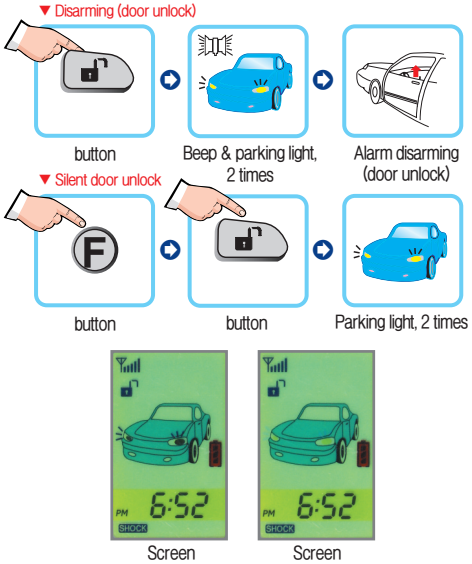
- Siren 1 time, parking light 1 time
- Door will be locked
- Silent door lock (press F button and then button): parking light, 1 time
- Door lock remained during engine starting & driving
- At this mode, if you have door or trunk or hood opens or have a shock, siren will sound for 30 seconds and parking light flash will be on and off. This can be occurred total 3 times when same situation continues but it will not affect battery discharge.
  Press any button if you want to stop siren and flash.



- In the screen of remote, door lock icon displayed.
- Remote's beep sounds 1 time and back lights will be on. (If you are not connected, beep will sound 3 times and no change of the screen and no back lights.)

2) Disarming (door unlock) function : press button for 1 second.

- Siren 2 times, parking light 2 times
- Door will be unlocked
- Silent door unlock (press F button and then button): parking light, 2 times
- Door lock remained during engine starting & driving
- At this mode, any alarming modes will be inactivated.
- If you do not open the door within 10 seconds, function will be back to alarm arming mode.



- In the screen of remote, door unlock icon displayed.
- Remote's beep sounds 2 times and back lights will be on. (If you are not connected, beep will sound 3 times and no change of the screen and no back lights.)
- If you do not open the door within 10 seconds, function will be back to arming mode.