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## Car Alarm System User's Manual

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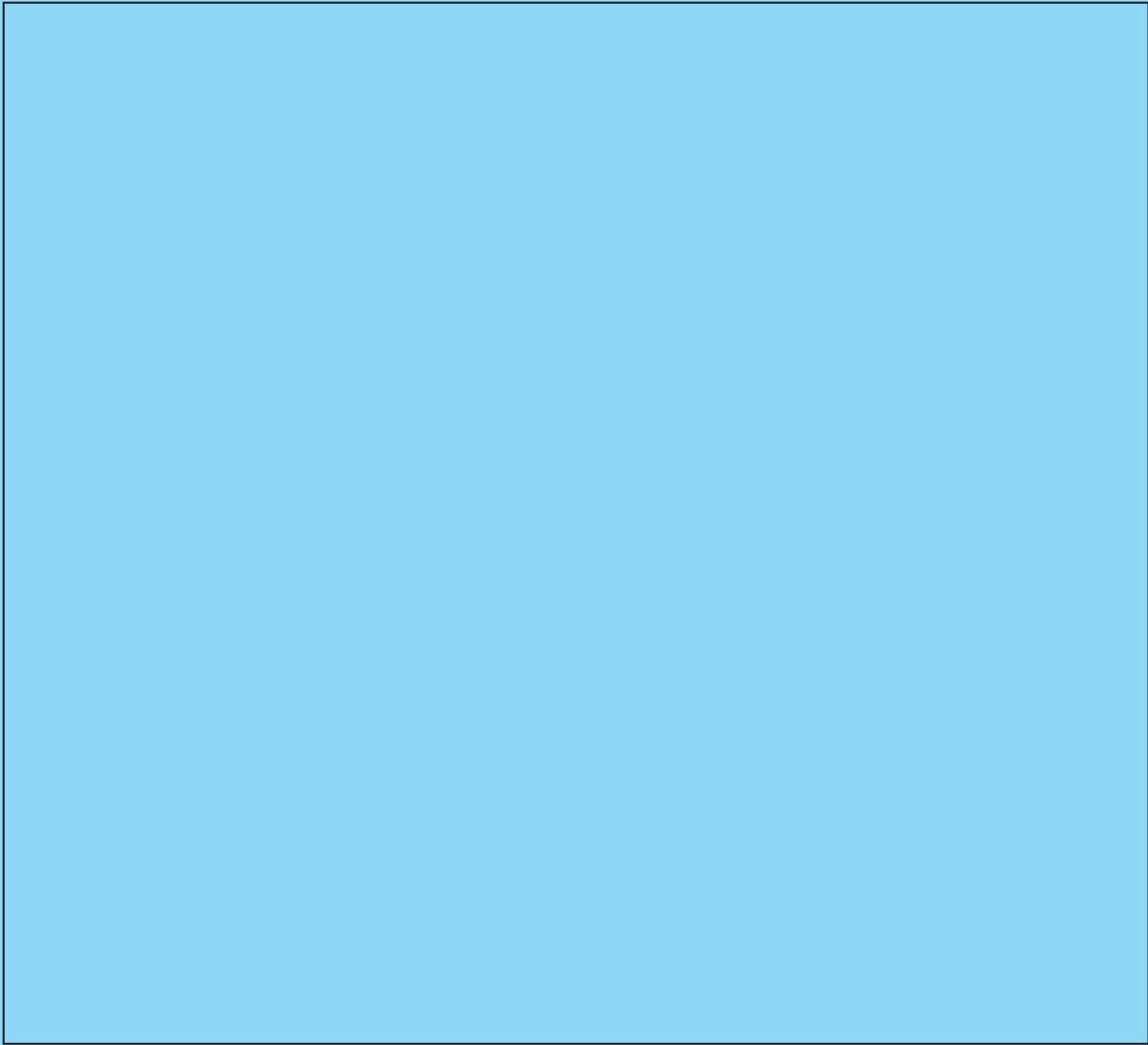
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MANUFACTURED BY:  
Steelmate Co., Ltd.

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## STEELMATE WARRANTY CARD

Dear user:

Thank you for purchasing Steelmate Product. In order that we could provide you more satisfied service, please fill the form below and retain after purchasing for your reference,

User's information:

User:
Tel:
Vehicle license number:
Steelmate product model no.:
Series No.:
Date of installation:
Name of the distributor    Signed by distributor

Congratulations on your wise choice of Steelmate Car Alarm System!

Steelmate Co., Ltd. is a leading supplier to the automotive industry. We use our best endeavors to provide a range of highly innovative security and safety products to meet the needs of our customers.

Through its innovative technology and best practice manufacturing facilities, Steelmate is the market leader in China. Its high quality products, unique designs, and comprehensive after sales service ensure that Steelmate remains the first choice of the Vehicle Owners.

Steelmate is not just a Brand... it is a culture ... a group of people striving to provide better and more efficient products in a rapidly changing world. It is a group of people who work hard, and stake their reputations on a successful outcome. With this kind of culture, with its expertise and with the customers needs firmly in mind, Steelmate is striving to be the Premier Brand in the vehicle market.

Steelmate's expertise and experience will provide your vehicle with lifetime security.

Thanks!

## Important notice:

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- Please install the system by authorized engineer.
- Keep the product and the transmitters from water.
- It is highly recommended you read this manual carefully before using of this unit.
- This product will help you reduce the possibility of losing the car. It is not a substitute for owner's vigilance. Please take the valuables with you when leaving the car.
- When the transmitter operating distance is shorter or its indicator light turns dark, please replace the battery with a new one ASAP.

## Warranty:

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1. The unit is warranted for a period of one year from the date of purchase. In the event of any defect arising in the unit when you use it as per the instructions during the warranty period, the repair would be carried out free.
  - l It is required to show this Warranty Card when have the unit repaired.
  - l The model and series number on unit must be the same as the information in the Warranty Card.
2. This warranty is non-transferable and is automatically void if:
  - l The original purchaser has not completed the warranty card
  - l The unit's serial number is defaced, missing or altered
  - l The unit has been modified or used in a manner contrary to its intended purpose
  - l The unit has been damaged by accident, unreasonable use, neglect, improper service and installation.
3. The warranty does not cover damage to the unit caused by installation or removal of the unit.

Steelmate reserves the right to change the information in this manual at any time without prior notice.

## Troubleshooting

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1. The continuous chirping of the siren cannot be stopped by transmitter after the installation of ECU

- 1). The plug is improperly inserted.
- 2). The wire is improperly connected.
- 3). The transmitter need to be programmed again.
- 4). The siren is damaged.

2. When the car parks on roadside and armed, there are false alarms by passing heavy vehicles.

The sensitivity of the sensor is too high. Please lower the sensitivity by adjusting the shock sensor.

3. The siren does not chirp when the alarm system is triggered.

- 1). To check the siren.
- 2). To check the wire connection between the ECU and the siren.
- 3). To check the sensitivity of the sensor.

4. Transmitter is ineffective.

- 1). Low power of the battery. Please replace the battery.
- 2). The frequency of the transmitter has been changed, replace the transmitter or change the frequency back to match the ECU.
- 3). The transmitter is broken or damaged.

\*Test the system features by another programmed transmitter.

If the system features are ok, the problem is from the transmitter

\*If both transmitters do not work, please check the ECU, circuit connections, power source, no need to open the transmitter, ECU can be tested by tester from Steelmate.

5. The siren chirps sharply in 10 seconds after arming and the same situation happened after disarm and re-arm it again.

1). The sensor has problem, check it's wiring, sensitivity and fix the sensor according to the manual. Change the sensor if it is damaged.

2). The doors or trunk/boot is not closed, close it completely.

3). The doors pin switch has problem or wiring has problem

6. The central door lock does not work normally or does not work at all?

- 1). Check the wiring according to the manual.
- 2). Fuse broken, check the wiring and fix the problem, then change the fuse
- 3). The motor of central lock is damaged.

## 10 reasons to choose Steelmate

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1. Stable, reliable and professional
2. User friendly and personal design
3. More than 100 engineers in the company
4. More than 190 design and utility patents in possession
5. Complete range of products for cars and commercial vehicles
6. 18 years leading experience in the China automotive security industry
7. The preferred product and brand in more than 60 countries
8. The first Famous Trademark in the industry recommended by SAIC China
9. ISO 9001:2000 and ISO/TS16949:2002 certified company
10. Products have FCC, CE, E-mark approvals

## Brief introduction about transmitter button function

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Press  button to arm in alarm mode with the doors locked.

Press  button to arm in mute mode with the doors locked.

Press  button to disarm the system and unlock the doors.

Press  button once, the siren will chirp for 15 seconds with the turn signals flashing.

Press  button to release the trunk.

## Functions

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\*Voice warning ON/OFF(Optional for the models with voice warning)

Press the  button for 5 seconds, the turn signals will turn on to enter the voice choice mode. Press  button to turn ON or OFF the voice warning. When turn signals blink twice with the siren chirps, the system is in voice warning ON mode. When the turn signals blink twice without siren chirping, the system is in voice warning OFF mode.

## Technique Parameter

Voltage:	12V $\pm$ 3V
Static current:	< 20mA
Siren:	105~125dB
Output current (max):	turn signal: 7.5A x 2, central control door lock: 15A
Frequency:	315MHz or 433.92MHz

## Functions

### Warning for roadside stop (optional)

When stopping by the roadside with the door opened, the indicators will flash for 18 seconds to warning the approaching vehicles (This function can be cancelled by PCB jump switch).

### Transmitter programming

Press the learning button in the ECU, the LED indicator will turn on, press **Ⓜ** button once, the LED indicator will flash to indicate the successful program of this transmitter; press **Ⓜ** button of another transmitter once, the LED indicator will flash to indicate the successful program of this transmitter. Only two transmitters are functional for car alarm system.

### LED indicator warning

- In armed status: the LED indicator flashes twice every 2 seconds.
- Impacted status: the LED indicator flashes 3 times every 2 seconds.
- Door open/ACC ON/footbrake impacted status: the LED indicator turns on for 2 seconds with 2 seconds pause.
- Disarm the system after the system triggered: The LED indicator will keep on for 3 seconds.
- After emergency override: The LED indicator keeps on.

### Emergency override

When the transmitter is lost or damaged and the car is armed, open the door with key, press the footbrake, turn the key to ACC ON/OFF 8 times continuously, the LED light will turn on, and the system will be disarmed. Press the **Ⓜ** button will return to the normal alarm status.

### Window close

After the car is parked, press **Ⓜ** button, the window will be closed automatically.(For vehicle with power window only)

### Valet Mode:

This is very useful when washing the vehicle or having it serviced. In valet mode, the system will not arm even with the transmitter, but all convenience functions (door lock/unlock and trunk release) will work normally.

When ACC on, press **Ⓜ** button for 5 seconds, LED indicator will turn on, press mute button in 8 seconds, the siren will chirp once to indicate the system has enter the valet mode.

In valet mode, when ACC on, press **Ⓜ** button once, LED indicator will flame out and the siren will chirp twice to indicator the system is in normal alarm mode again.

## Functions

### Arming in alarm mode

Press **Ⓜ** button once on the transmitter, the doors will be locked with a short chirp and the turn signals flash once. (For the models with voice warning function, the system will be armed with voice "Armed" instead of the chirp). The LED light flashes to indicate that the system is armed in alarm mode.

### Arming in mute mode

Press **Ⓜ** button once on the transmitter, the doors will be locked with the turn signals flash once and without chirp. (For the models with voice warning function, the system will be armed with voice "Mute armed").The LED light flashes slowly, the system is armed in mute mode automatically.

### Impacting shock sensor

In alarm arming mode, the first impact will trigger the system, the siren will chirp with turn signals flash for 3 seconds. For the 2<sup>nd</sup> impact, the siren will chirp (For the models with voice warning function, the system will send out voice warning "Don't touch me, Don't touch me " instead ) and the turn signals will flash for 5 seconds. If the system is triggered again in 15 seconds, the siren will chirp sharply with indicators flashing for 30 seconds, the engine will be immobilized.

In mute arming mode, the shock impact will trigger the system. The siren will not chirp, other actions are the same as that in alarm arming mode.

When the system is triggered by doors open, Acc on, trunk release or footbrake in alarm mode or in mute mode, the siren will chirp for 30 seconds with the turn signals flashing continuously, the engine will be immobilized.

### Impacting tilt sensor(additional)

When a tilt sensor is equipped, any movement of the car will trigger the alarm system.

In alarm arming mode, the first tilt of the car detected, the siren will chirp with turn signals flash for 3 seconds. For the 2<sup>nd</sup> tilt of the car detected impact, the siren will chirp (For the models with voice warning function, the system will sent out voice warning "Don't touch me, Don't touch me " instead ), the engine will be immobilized. If the system is triggered again in 15 seconds, the siren will chirp for 30 seconds with the turn signals flashing, the engine will be immobilized.

In mute arming mode, the movement of the car will trigger the system, the siren will not chirp, the turn signals will flash, and the engine will be immobilized.

## Functions

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### Disarming

Press the Ⓞ button once, the doors will be unlocked, the siren will send out two beeps (For the models with voice warning function, the system will send out voice warning "Disarmed" instead) with turn signals flashing and. The system will be disarmed.

### Remote trunk release

Press the Ⓞ button for 1 second to release the trunk by transmitter. In armed mode, after trunk release, the shock sensor will be bypassed.

If the trunk is not closed completely after 4 minutes, the system will bypass the trunk signals and detect the shock impact. (For the car with trunk release motor only)

### Car Locating/Panic

In armed mode, press the Ⓞ button once, the siren will chirp for 15 seconds with the turn signals flashing to locate the car.

### Anti-hijacking

Press Ⓞ button for 2 seconds when the engine is running will trigger the anti-hijack function. The turn signals will flash quickly with the siren chirp all the time until Ⓞ button is pressed. The engine will be immobilized. (Engine immobilize or no engine immobilize is optional by jump switch in the ECU)

\*Factory setting is "Engine immobilized"

### Not-armed warning

When the car parked with the doors closed after 5 seconds, the siren will chirp 3 times, (For the models with voice warning function, the system will send out voice warning "Arm please") instead, and the turn signals flashing to remind the owner to arm the system.

### Active arming

The system will not arm until the Ⓞ button pressed.

### Passive arming (optional)

1 minute later, if the car is still not armed, the system will arm in mute mode automatically, (For the models with voice warning function, the system will send out voice warning "Mute armed"), and the doors unlocked.

\*Factory setting is "Active arming".

### Auto re-arm

Press the unlock button once, the system will be disarmed with the door unlocked. If the door is not opened in 25 seconds, the

## Functions

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system will arm automatically. For vehicles with doom light will turn on in 0.5 second after door unlocked, the system will arm in 45 seconds automatically. Trigger the system (footbrake, ACC, trunk release, door open etc) will stop re-arm function.

### Shock sensor bypass

Press and hold the Ⓞ button for 5 seconds, the turn signal will flash 3 times, the shock sensor will be in bypass mode. Press and hold the Ⓞ button again for 5 seconds, the turn signals will flash 3 times, the siren will beep twice, then the system will be in mute armed mode.

### Open door reminding

When the system is armed and the doors are not closed completely, 5 seconds later, the system will send out three beeps (For the models with voice warning function, the system will send out voice warning "Please close the doors completely" instead).with turn signals blink. In mute mode\*only turn signals blink 3 times.

You should disarm the system, close the doors completely and then arm the system again. Otherwise, 35 seconds later, the siren will chirp sharply for 4 minutes.

### Central door lock/unlock automatically

15 seconds after the engine running, the doors will lock automatically by pressing footbrake. When the engine stops, the doors will unlock automatically. During driving, press Ⓞ button to lock the doors, and press Ⓞ button to unlock the doors.

### Warning for triggered system

If the system has been triggered in armed status, the siren will alarm when the system is disarmed and the door is opened:

- 1).The siren will beep twice(For the models with voice warning function, the system will send out voice warning "The car was impacted" instead). when shock sensor has been triggered.
- 2).The siren will beep 4 times (For the models with voice warning function, the system will send out voice warning "The door was opened" instead) when door / trunk has been opened, or ACC has been turned to ON, or footbrake has been pressed.

### Status preserving

The system will return to the former status in 5 seconds when the power is on again, whenever the power is cut off.