

## **THORN-PLUS**

### **LIMITED 4 YEARS WARRANTY**

Dong Yang Security Co.,Ltd. Guarantees to the original purchaser of the Thorn-plus auto security system to repair or replace any electronic control module, if the said parts are found defective in workmanship or material under normal use during the life of the automobile in which the alarm system is originally installed. It needs to be proved that the alarm system was installed properly and serviced by an authorized agent. In the event warranty service is needed, you must provide a clear copy of your sales receipt containing date of purchase, your full name and address, authorized agent name and address, alarm type, automobile license number, vehicle identification number and all security options installed. This warranty is void if the alarm system has been damaged by accident, unreasonable or unintended use, not reasonably maintained, utilized in commercial or industrial operation, or service by anyone other than Dong Yang Security Co.,Ltd or its authorized agent. This warranty does not cover labor costs for the removal and reinstallation of the unit, and batteries. This warranty is not transferable and does not apply to any unit that has been modified or used in a manner contrary to its intended purpose. The defective unit must be returned to the manufacturer, postage prepaid, with the bill of sale or other dated proof of purchase. Dong Yang Security Co.,Ltd does not warrant or guarantee against break in damage or the theft of the vehicle in part or against the loss or damage to the contents of any vehicle in which a security system is installed. Thorn-plus auto security system are a deterrent against possible theft. Dong Yang Security Co.,Ltd or its authorized agents will not be liable to anyone for consequential or incidental damages or claims due to failure of product. Warranty only applies to replacement or repair of the product if all the conditions mentioned above are met. No expressed warranty or implied warranty is given except those set forth herein.

# **THORN – PLUS**

## **ULTIMATE SECURITY FOR YOUR CAR**

## **OWNER'S MANUAL**

This device complies with part 15 of F.C.C. rules. Operation of this device is subject to the following two conditions. 1. This device may not cause harmful interference.

2. This device must accept any interference that may cause undesired operation.

NOTE : The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate equipment.

## SELF CODE LEARNING SYSTEM

Thorn-plus is equipped with a computerized security code system. This unique feature memorizes the code number for your system and expands with another remote transmitter very easily.

## SELF CODE LEARNING SYSTEM

Thorn-plus will learn the code in valet mode as follow

### CODE LEARNING IN VALET MODE :

1. Turn ignition key to “on” position.
2. Press the valet switch “on” for 2 seconds then L.E.D “on”.
3. Press the button #1 of the remote control for first transmitter code learning then L.E.D. “on” with one chirp sound to confirm acceptance.
4. Press the button #1 of the remote control again for second transmitter code learning then L.E.D “off” with two chirps sound to confirm acceptance.

## ARM AND DISARM THORN-PLUS

### THORN-PLUS MAY BE ARMED IN 3 DIFFERENT WAYS.

1. Remote Control with Chirp : Press button 1 of the remote control to arm, 1 chirp & 1 parking light flash.
2. Remote Control with no Chirp : Briefly press button 3 of the remote control before pressing button 1 to arm silently, no chirp & 1 parking light flash.
3. Automatic passive arming : After 30 seconds, Thorn will arm, 1 chirp & 1 parking light flash.

### THORN-PLUS MAY BE DISARMED IN 2 DIFFERENT WAYS.

1. Remote Control with Chirp : Press button 2 of the remote control to disarm, 2 chirp & 2 parking light flashes.
2. Remote Control with no Chirp : Briefly press button 3 of the remote control before pressing button 2 to disarm silently, no chirp & 2 parking light flash.

## PANIC MODE

### FOR YOUR PERSONAL SAFETY

Thorn-plus may be triggered by the remote control. Press button 1 until Thorn’s siren blasts for about 2 seconds, then release the button. When panic mode is activated, Thorn-plus will sound for a complete 30 seconds cycle.

Pressing button 1 once more will deactivate panic mode. For your personal safety, panic mode will be activated even when Thorn-plus is valet mode.

## VALET MODE

Valet mode is designed to prevent Thorn-plus from arming or triggering when the protection is not needed. Then should be put into valet mode when your vehicle is being serviced. Valet mode may also be used as a manual disarm of Thorn-plus if the remote control is not operative or lost. To activate valet mode, turn vehicle’s ignition to “on” and push in valet switch for 2 seconds. The L.E.D. will be constant red light. To deactivate valet mode, repeat the process. The L.E.D. will be off. The valet switch is usually hidden inside your vehicle. (Ask your installer for the location of the valet switch)

**If Thorn Stops working, check the L.E.D. If it is constant red light, Thorn is in valet mode.**

## L.E.D. STATUS LIGHT

Thorn-plus’s armed status is reported by the flashing L.E.D. light located inside the vehicle. This light is off when Thorn-plus is disarmed and is on constant red when Thorn-plus is in valet mode.

### L.E.D. INDICATOR

|                 |                          |
|-----------------|--------------------------|
| Flashing Red    | Armed                    |
| Off             | Disarmed (Active)        |
| On Constant Red | Valet Mode               |
| Rapid Red Flash | Passive Arming Countdown |

## VALET MODE VIA REMOTE CONTROL

Press the button # 1 & # 2 simultaneously of the remote control for 2 seconds

1 chirp (1 parking light flashing) : Valet mode

2 chirps (2 parking light flashing) : Valet mode off

## REMOTE CONTROL BATTERY REPLACEMENT

Your remote control is powered by a 12 volt battery which will last about 1 year. If automatically indicates a need to replace the battery by either showing dim L.E.D. light on the remote control or reducing operative remote range to 10 ft or less. (Battery is commonly available at any drug store. If you have a trouble locating a battery, please contact your dealer.)

## OPTIONAL FEATURES

### REMOTE LOCK AND UNLOCK

Thorn-plus may be interfaced with your vehicle's power lock. This feature will lock the doors of your vehicle when Thorn-plus is armed. It will also unlock the doors when Thorn-plus is disarmed.

**NOTE : Some vehicles may require additional components. The remote lock and unlock feature will operate even in valet mode, always providing keyless convenience.**

### IGNITION CONTROLLED LOCK AND UNLOCK

When the ignition lock and unlock feature is installed the vehicle doors will lock automatically when the ignition is turned on and automatically unlock when the ignition is turned off.

### SECOND CHANNEL

Button 3 on the remote control may be used for remote trunk release or other optional features. (i.e. remote car starter, window roll up, etc.) Press button 3 of the remote control over 2 seconds to activate.

## TEMPORARY SHOCK DELETE

Press button 3 of the remote control after pressing button 1 of disarm condition within 3 seconds, 1 one chirp and temporary shock delete.

## PERMANENT CHIRP DELETE

Press button 2 to 5 seconds, at disarm mode.

1 chirps and 1 parking light flashing : Quiet mode.

2 chirps and 2 parking light flashing : Normal mode.

## MORE CONVENIENT FEATURES

Remote trunk release

Starter kill (engine will not start when the vehicle is armed)

Passive arming : 30 seconds after last door is closed.

Selectable passive or active arming

Remote panic mode

Silent arm from remote control

Valet mode via remote control

Flashing parking lights arming/ disarming confirmation

This device complies with part 15 of the FCC Rules. Operation is subject to the following two condition :

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

**FCC ID : HH8THORNPLUSTX  
HH8THORNPLUSRX**

### 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.