450 SERIES

Advanced Vehicle Security System

ULTRA START

™

OWNER'S GUIDE

www.ultrastarters.com

Note: Some features may not be available on certain models.

TABLE OF CONTENTS

  *Optional Features. Contact dealer for more information.

WARRANTY

Applicated Security Technologies, Inc. ("AST") promises to the original purchaser to repair or replace with a comparable reconditioned model any AST control module ("module") excluding without limitation the any other accessories, including but not limited to the antenna, remote, siren and wiring harness, proves to be defective in workmanship or material under reasonable use during the lifetime of the vehicle it was originally installed, provided the following conditions have been met: the module was professionally installed and serviced by an authorized AST dealer; the unit will be professionally reinstalled in the vehicle in which it was originally installed by an authorized AST dealer; the warranty information card was sent to AST within 10 days of the original installation date. Any warranty returns include a warranty return authorization number issued by AST, original bill or sale and be pre-paid shipped directly to AST. After an initial period of 2 years from the date of installation, AST reserves the right, at its sole discretion, to charge a warranty processing fee of $30.00 USD. AST does not cover the cost for return freight on warranty items, this cost is the sole responsibility of the purchaser.

All components included with the original packaged unit other than the module, including but not limited to the siren, antenna and the remote transmitters, carry a one-year warranty from the date of purchase of the same. Any warranty returns on components must include a warranty return authorization number issued by AST, original bill or sale and be pre-paid shipped directly to AST. This warranty is non-transferable and is automatically void if: the original purchaser has not completed the warranty card and mailed it within ten (10) days of the date of purchase to the address listed on the card; the unit's date code or serial number is defaced, missing or altered; the unit has been modified or used in a manner contrary to its intended purpose; the unit has been damaged by accident, unreasonable use, neglect, improper service, installation or other causes not arising out of defects in materials or construction. The warranty does not cover damage to the unit caused by installation or removal of the unit. AST, at its sole discretion, will determine what constitutes excessive damage and may refuse the return of any unit with excessive damage, including, but not limited to, overloading, moisture and physical damage.

To the maximum extent allowed by law, any and all warranties are excluded by the manufacturer and each entity participating in the stream of commerce therewith. This exclusion includes but is not limited to, the exclusion of any and all warranty of merchantability and/or any and all warranty of fitness for a particular purpose and/or any and all warranty of non-infringement or patents, in the United States of America and/or abroad. Neither the manufacturer or any entities connected therewith shall be responsible or liable for any damages whatsoever, including but not limited to, any consequential damages, incidental damages, damages for loss of time, loss of earnings, commercial loss, loss of economic opportunity and the like. Notwithstanding the above, manufacturer does offer a limited warranty to replace or repair the control module as describe above.

Some states do not allow limitations on how long an implied warranty will last or the exclusion or limitation on how long an implied warranty will last or the exclusion or limitation of incidental or consequential damages. This warranty gives you specific legal rights, and you may also have other rights, which vary State to State.

| BUTTON	BUTTON PRESS	CHIRP / FLASH	SYSTEM FUNCTION
LOCK	1 SEC	1	LOCK / ARM ALARM
	3 SEC	1	ACTIVATE PANIC
	PRESS THEN RELEASE THEN PRESS & HOLD	1	ACTIVATE CONSTANT LOCK OUTPUT **
UNLOCK	1 SEC	2	UNLOCK / DISARM
	1 SEC WHILE ALARM IS TRIGGERED	NONE	TURNS OFF SIREN BUT ALARM IS STILL ARMED
	1 SEC	3	UNLOCK / DISARM ALARM EVENT IN MEMORY *see alarm event memory chart*
✱	PRESS & HOLD FOR 1 - 5 SEC	1	ACTIVATES AUX OUTPUT
	*** PROGRAMMABLE OUTPUT - CHECK WITH INSTALLATION CENTER FOR DETAILS*		
#	PRESS & HOLD FOR 3 SEC	ON	ACTIVATES CAR FINDER
🔒+🔓	PRESS TOGETHER THEN RELEASE	1	ACTIVATES SILENT ARM
	PRESS TOGETHER THEN RELEASE	2	ACTIVATES SILENT DISARM
	NO SIREN CHIRPS - ACTS AS A TOGGLE - IF ARMED WILL DISARM, IF DISARMED WILL ARM		
🔒➜✱	PRESS LOCK THEN RELEASE FOLLOWED BY PRESSING BUTTON 3 FOR 1 SECOND	1	ARMS / LOCKS AND TURNS OFF SHOCK SENSOR (FOR 1 ARM CYCLE ONLY)

QUICK VIEW OPERATION CHART

BUTTON	BUTTON PRESS	CHIRP / FLASH	SYSTEM FUNCTION
# + 🔒 **2ND CAR OPERATION**	1 SEC	1	LOCK / ARM ALARM
	3 SEC	1	ACTIVATE PANIC
	PRESS THEN RELEASE THEN PRESS & HOLD	1	ACTIVATE CONSTANT LOCK OUTPUT **
# + 🔓 **2ND CAR OPERATION**	1 SEC	2	UNLOCK / DISARM
	1 SEC WHILE ALARM IS TRIGGERED	NONE	TURNS OFF SIREN BUT ALARM IS STILL ARMED
	1 SEC	3	UNLOCK / DISARM ALARM EVENT IN MEMORY *see alarm event memory chart*
# + ✳ **2ND CAR OPERATION**	PRESS & HOLD FOR 1 - 5 SEC	1	ACTIVATES AUX OUTPUT

*** PROGRAMMABLE OUTPUT - CHECK WITH INSTALLATION CENTER FOR DETAILS*

VALET MODE / EMERGENCY OVERRIDE

This feature will disable or re-enable the alarm without the use of the remote transmitter. This feature will work when alarm in either an armed, disarmed or triggered state. When the system's override had been activated, door lock and trunk features will still be operational however the alarm will be active.
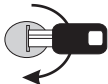
Turn the Ignition Key ON (Leaving the key ON)

Press and hold the valet switch for 8 to 15 seconds (Time depends on "Valet Settings" Program Option)
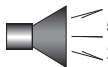
5 CHIRPS = ON
2 CHIRPS = OFF

Siren will chip 5 times to confirm Valet Mode / Emergency Override has been activate or 2 times for deactivate (If alarm was in a triggered state, the siren will shut off and park lights will stop flashing)

The LED status light will come on "STEADY" to confirm Valet Mode is ACTIVE
The LED status light will be "OFF" to confirm Valet Mode is NOT ACTIVE and system is in normal alarm operation mode.

PRESS & RELEASE

ARM SYSTEM / LOCK DOORS

1 Press and release the Arm/ Lock button on the remote transmitter.
2 The park lights will flash and the siren/ horn will chirp one time.
3 The doors will lock and the Starter Disable will activate. (optional)
4 The LED will start flashing within five seconds.
5 Once Armed, the alarm can be triggered by the shock sensor (impact to
   vehicle), door inputs (opening door / hood), turning on ignition.

NOTES:
 - If a door is open or delay dome light is 30 seconds after arming, system with chirp 3
   times to indicate door input is bypassed until door is closed or dome light turns off.
 - If system is programmed for silent arming, siren will not chirp when arming, but park
   lights will still flash.
 - If system is in valet mode, doors will lock, but siren will not chirp and lights will not flash.
   LED indicator will be on solid.
      See Valet / Service Mode in this manual for further information

PRESS & HOLD

ACTIVATE TRUNK RELEASE

1 Press then HOLD the Disarm / Unlock button on the remote.
2 The park lights will flash and the siren will chirp two times.
3 The doors will unlock and the Starter Disable will deactivate. (optional)
4 The LEDs will stop flashing.
5 - Continue to HOLD until siren chirps again and trunk activates
6 - Release Button

 NOTES:
  - For safety, the trunk release will not active when ignition key is ON.

PRESS & RELEASE

DISARM SYSTEM / UNLOCK DOORS

1 Press then release the Disarm / Unlock button on the remote.
2 The park lights will flash and the Siren will chirp Two times.*
3 The doors will unlock and the Starter Disable** will deactivate.
4 The LEDs will stop flashing.

 NOTES:
 - If the alarm was active (siren sounding), the first press of the unlock button will turn off the siren and the second press will unlock / disarm.
 - Siren will chirp 3 times if alarm was triggered while armed. *See alarm diagnostics section of manual for further information*
 - If system is programmed for silent disarm, siren will not chirp when disarming, park lights will flash 2 times. *Contact installer if you do not want this feature.*
 - If system is in valet mode, siren will not chirp and park lights will not flash but doors will unlock. LED will be one SOLID. *See Valet / Service Mode section of manual for further information.*
 ** Optional Feature may require additional parts

PRESS TWICE

DRIVER'S DOOR PRIORITY UNLOCK

1 Press then release the Disarm / Unlock button on the remote transmitter.
2 The park lights will flash and the siren will chirp two times.*
3 The driver's doors will unlock and the Starter Disable will deactivate. (optional)
4 The LEDs will stop flashing.
5 Press the Disarm / Unlock Button a second time within 3 seconds and the other doors will unlock.

PRESS HOLD

ACTIVATE PANIC MODE

1 Press and HOLD the Arm/ Lock button for three seconds.
2 The doors will lock and the Starter Disable will activate. (optional)
3 The park lights will begin to flash and the siren will activate.
4 To turn off panic, press Lock or Unlock buttons on remote.
5 If no button is pressed, Panic Alarm will sound up to 1 minute then turn off.

Panic Mode is a personal protection feature that allows you to activate your alarm from the remote transmitter. This feature can be used to draw attention to your vehicle if you feel threatened.

+ PRESS TOGETHER

SILENT ARM / SILENT DISARM

1 Press then release the Lock & Unlock buttons together.
2 If the system is DISARMED, it will Arm and Lock with no siren chirps and 1 light flash.
3 If the system is ARMED, it will Disarm and Unlock with no siren chirps and 2 light flash
.

PRESS & HOLD for 3 sec

CAR FINDER MODE

- PRESS & HOLD button number 4 on the remote transmitter for 3 seconds the release.
- Siren will chirp 5 times and lights will flash.

This feature helps in locating vehicle in a busy parking lot. It allows you hear and see your vehicle from a distance.

AUX OUTPUT

The Aux output can be programmed for a variety of custom applications. It is activated by button 3. Please check with your installation center on use and activation for this option.

IGNITION AUTO LOCKS

This optional feature can be programmed to automatically lock the doors when the ignition key is turned to the on position then automatically unlock the doors when the ignition key is turned to the off position.

PASSIVE ARMING

The Passive Arming feature is used to ensure that the vehicle is not left with the alarm disarmed.
Type-1 When programmed for Passive Arming (Type-1) the system will automatically arm and lock (optional) the doors 30 seconds after the last door is closed.
Type-2 When programmed for Passive Arming with Rearm (Type-2) the system will automatically arm and lock (optional) the doors 30 seconds after the unlock button is pressed on the remote.

STARTER DISABLE

Starter Disable is a feature that is designed to help prevent the theft of your vehicle. When the alarm is armed the system will interrupt the vehicles starter wire thus disabling the vehicle from starting. Disarming the alarm will re-enable the start circuit and allow the vehicle to start.

DOME LIGHT SUPERVISION

This feature is designed to turn on the interior or exterior lights of your vehicle when the Disarm/Unlock button is pressed. The light circuit will stay active for up to 30 seconds or until the ignition key is turned to the on position.

SHOCK SENSOR ADJUSTMENTS

1 - ENTER SHOCK SENSOR ADJUSTMENT MODE

Press & HOLD Lock + Unlock buttons at the same time

3 CHIRPS Continue to hold for 3-5 seconds Until Siren Chirps 3 times (Note: System will Arm or Disarm via silent arming prior to entering adjustment mode)

2 - ADJUSTING SENSOR

Each time the lock button is pressed and released the sensitivity will be INCREASED by 1 level.
This is confirmed by a series of park light flashes & Siren Chirps
1 Flash / Chirp is the least sensitive setting
10 Flashes / Chirps is the most sensitive setting

Each time the unlock button is pressed and released the sensitivity will be DECREASED by 1 level.
This is confirmed by a series of park light flashes & Siren Chirps
1 Flash / Chirp is the least sensitive setting
10 Flashes / Chirps is the most sensitive setting

3 - EXITING SENSOR ADJUSTMENT MODE

Press & HOLD Lock + Unlock buttons at the same time

(NOTE: Shock Sensor Adjustment Mode has an auto time out of 8 seconds)

ADDITIONAL LED FUNCTIONS

While the system is disarmed and the ignition is in the off position, the LEDs will activate from the following triggers.

1) If the door is opened the LEDs will stay on until the door is closed.
2) If the hood is opened the LEDs will stay on until the hood is closed.
3) If the shock sensor detects vibration the LEDs will turn on momentarily.
4) If the auxiliary sensor input is activated the LEDs will activate momentary.

ALARM STATUS / DIAGNOSTICS

If the alarm system is triggered, the system will retain in memory the cause of the trigger. When disarming the alarm, the siren/horn will chirp 3 times to indicate the alarm had been triggered. The system's LED will also flash in pulses to indicate which input triggered the alarm.

*LED status will be cleared when the ignition is turned ON. For proper memory clearing, insure to connect the alarm ignition input to the ignition on the vehicle.

SIREN CHIRPS	LED FLASHES	DIAGNOSTICS / STATUS
3	2	SHOCK SENSOR TRIGGER
3	3	DOOR / HOOD TRIGGER
3	4	IGNITION TRIGGER
0	OFF	SYSTEM DISARMED
0	ON SOLID	SYSTEM IN VALET / SERVICE MODE
0	SINGLE FLASHES	SYSTEM ARMED
0	RAPID FLASHES	PASSIVE ARM COUNTDOWN

ALARM STATUS / DIAGNOSTICS

If an output from the alarm is shorted the siren will chirp 4 times and the park lights will flash 4 times when the system is armed or disarmed. The LED will flash a diagnostic code that represents the circuit that is at fault. (See Chart Below). Turning the ignition to the on then off position will reset the diagnostic code.

LED FLASHES	OUTPUT DIAGNOSTICS
2	LOCK OUTPUT OVERLOAD
3	UNLOCK OUTPUT OVERLOAD
4	TRUNK OUTPUT OVERLOAD
5	STARTER DISABLE OVERLOAD
6	NOT USED
7	AUX 5 OUTPUT OVERLOAD
8	2ND UNLOCK OUTPUT OVERLOAD

technical support: support@ultrastarters.com

additional product information: www.ultrastarters.com

IMPORTANT NOTES

LOCK, UNLOCK, DRIVER'S DOOR PRIORITY UNLOCK, TRUNK RELEASE AND THE
AUXILIARY OUTPUTS ARE OPTIONAL OUTPUTS. ENABLING THESE FEATURES
REQUIRES CUSTOM INSTALLATION & PROGRAMMING. THESE FEATURES MAY NOT BE
COMPATIBLE WITH SOME VEHICLES.

FOR SAFETY REASONS THE TRUNK RELEASE OUTPUT WILL NOT ACTIVATE WHEN THE
IGNITION IS IN THE ON POSITION.

NOTE: PADLOC AND 2ND CAR OPERATION ARE FEATURES THAT REQUIRE SPECIAL
PROGRAMMING.

SOME FEATURES MAY NOT BE AVAILABLE FOR ALL APPLICATIONS. CONTACT YOUR
DEALER FOR MORE INFORMATION.