

450 SERIES

Advanced Vehicle Security System

ULTRA START

TM

INSTALL GUIDE

www.ultrastarters.com

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

FCC ID NOTICE

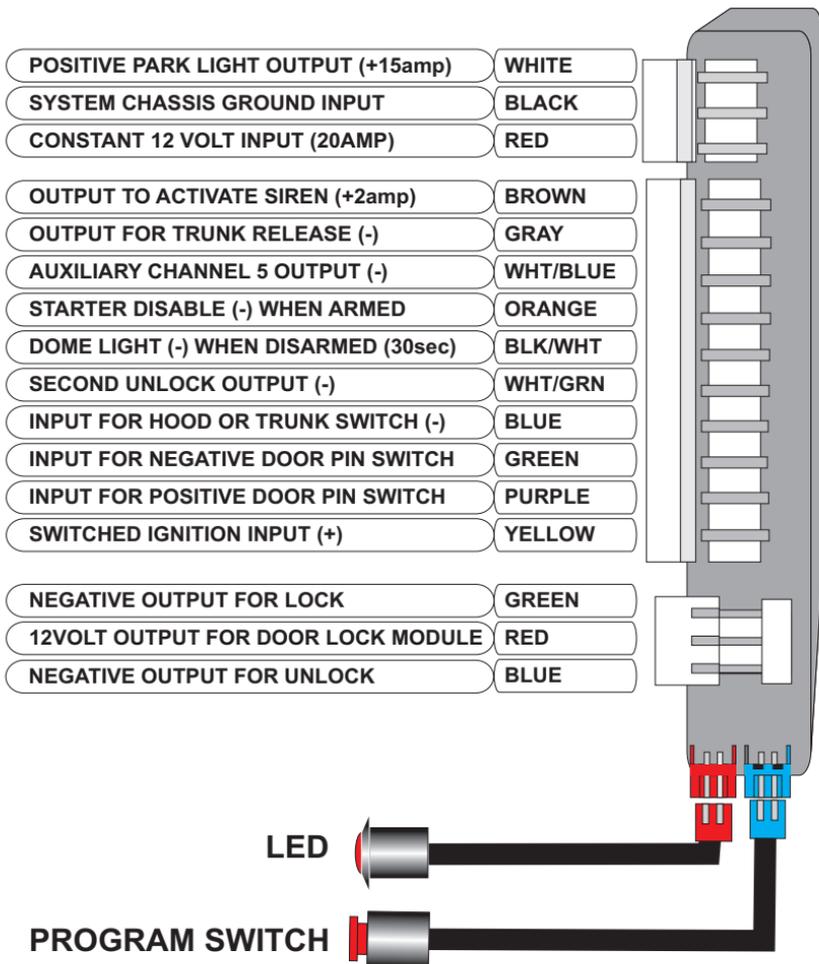
This device complies with Part 15 of the FCC rules. Operation is subject to the following conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

CAUTION: Changes or modifications not expressly approved by the part responsible for compliance void the user's authority to operate this device.

Wire Diagram	Page 3
Quick View Programing Chart	Page 4
Program Menu 1	Page 4
Program Menu 2	Page 4
Transmitter Programming	Page 5
System Wiring	Page 6-9
10 Pin Connector	Page 6-7
3 Pin Power Connector	Page 6-7
Door Lock Connector	Page 8-9
Entering Program Mode	Page 8
System Reset	Page 9
System Programming	Page 10-12
Program Menu1 Setting 1-3	Page 10
Program Menu 1 Setting 4-7	Page 11
Program Menu 2 Setting 1-3	Page 12
Shock Sensor Programing	Page 13
Valet / Service Mode	Page 14
Diagnostics	Page 15
Diagnostics Chart	
Overload Chart	
Quick View Operation Chart	Page 16-17
Installer Check Sheet & Notes	Page 18
Product Warranty	Page 19
Contact Information	Page 20

WIRE DIAGRAM



ENTERING PROGRAM MODE

To Enter Program Mode

- 1 - Cycle the Ignition Key On/Off On/Off On (Leaving the key ON)
- 2 - Press and release the Program Switch 1 time.
(Siren will chirp to confirm program mode entered)
- 3 - Press the Lock Button To Enter Menu 1
Press the Unlock Button to Enter Menu 2
- 4 - Press and Release the Program Switch to advance through the settings.
(Confirmed by siren chirps & LED flashes)
- 5 - Press and hold the Program Switch to change the setting
(Confirmed by Siren Chirps)
- 6 - To exit Program Mode, turn ignition key off
(Confirmed by Long Siren Chirp)

PROGRAM MODE 1 

SETTING # LED FLASHES	DESCRIPTION	OPTION 1 1 CHIRP	OPTION 2 2 CHIRPS	OPTION 3 3 CHIRPS
1	IGNITION AUTO-LOCK	IGNITION AUTO-LOCK & UNLOCK ENABLED	IGNITION AUTO-LOCK ONLY	IGNITION AUTO-LOCK DISABLED
2	SIREN SETTINGS	SIREN CHIRPS DISABLED	SIREN CHIRPS ENABLED	SIREN CHIRPS ENABLED
3	DOOR LOCK OPTIONS	DOUBLE UNLOCK / SINGLE LOCK PULSES	DOUBLE LOCK / SINGLE UNLOCK PULSES	SINGLE UNLOCK / SINGLE LOCK PULSE
4	DOOR LOCK PULSE TIMES	0.25 SECOND PULSES	3 SECOND PULSES	0.75 SECOND PULSES
5	SHOCK SENSOR SETTINGS	SENSOR DISABLED	SENSOR ENABLED	
6	PASSIVE ARMING	FULL PASSIVE ARMING	PASSIVE SAFETY REARM ONLY	ALL PASSIVE ARMING DISABLED
7	PASSIVE DOOR LOCKS	PASSIVE DOOR LOCKS DISABLED	PASSIVE DOOR LOCKS ENABLED	

PROGRAM MODE 2 

SETTING # LED FLASHES	DESCRIPTION	OPTION 1 1 CHIRP	OPTION 2 2 CHIRPS	OPTION 3 3 CHIRPS
1	VALET SETTINGS	SECURE VALET 15 SECONDS	STANDARD VALET 8 SECONDS	
2	PARK LIGHT OUTPUT	30 SECOND ON FOR DISARM	POS TRUNK RELEASE OUTPUT	NORMAL OPERATION
3	AUX CHANNEL 5 OPTIONS	0.75 SEC PULSED OUTPUT	LATCHED IGNITION ON RESET	ACTIVE WHILE BUTTON HELD

TRANSMITTER PROGRAMMING**TRANSMITTER PROGRAMMING**

The system can learn up to 4 different remote's. Each remote to be used **MUST** be programmed together during the same sequence. For security, when a new remote is programmed all previous remote's are deleted. Please see remote operation chart for information on using Second Car / Pad Lock Operations.

ENTERING REMOTE PROGRAM MODE

- 1 -  **Cycle the Ignition Key - ON/OFF ON/OFF ON (Leaving the key ON)**
- 2 -  **Press and HOLD the valet switch, siren will chirp ONCE (If siren does not chirp repeat step 1) CONTINUE TO HOLD until siren chirps 5 times**
- 3 -  **1 chirp confirms program mode entered followed by 5 chirps confirming transmitter program mode**

PROGRAMMING REMOTE'S

- 4 -  **Press & Release LOCK button on 1st Remote to be Programmed for Normal Operation *If remote(s) are to be programmed for "PADLOCK" skip and goto step 6***
- 5 -  **Siren will Chirp 1 time to confirm remote has been programmed (If siren does not chirp press button again)**

REPEAT STEP 4 IF A SECOND REMOTE IS TO BE PROGRAMMED FOR NORMAL OPERATION

- 6 -  **Press & Release BUTTON 4 on Remote to be Programmed for 2ND CAR OR PAD LOCK**
- 7 -  **Siren will Chirp 1 time to confirm remote has been programmed (If siren does not chirp press button again)**

REPEAT STEP 6 IF A SECOND REMOTE IS TO BE PROGRAMMED FOR 2ND CAR / PADLOCK OPERATION

- 8 -  **Turn ignition key OFF to exit remote program mode when all required remote's have been programmed.**

NOTE: ALL REMOTE'S TO BE USED MUST BE PROGRAMMED IN SEQUENCE WHILE IN REMOTE PROGRAM MODE, RE-ENTERING REMOTE PROGRAM MODE WILL ERASE ALL PREVIOUS REMOTE'S

SYSTEM WIRING

10 PIN CONNECTOR

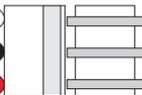
OUTPUT TO ACTIVATE SIREN (+2amp)	BROWN
OUTPUT FOR TRUNK RELEASE (-)	GRAY
AUXILIARY CHANNEL 5 OUTPUT (-)	WHT/BLUE
STARTER DISABLE (-) WHEN ARMED	ORANGE
DOMELIGHT (-) WHEN DISARMED (30sec)	BLK/WHT
SECOND UNLOCK OUTPUT (-)	WHT/GRN
INPUT FOR HOOD OR TRUNK SWITCH (-)	BLUE
INPUT FOR NEGATIVE DOOR PIN SWITCH	GREEN
INPUT FOR POSITIVE DOOR PIN SWITCH	PURPLE
SWITCHED IGNITION INPUT (+)	YELLOW



FOR MORE DETAILED INFORMATION ON PROGRAMMING, WIRING DIAGRAMS, DOOR LOCK CONFIGURATION AND OTHER INFORMATION, PLEASE VISIT WWW.ULTRASTARTERS.COM/DIAGRAMS

3 PIN POWER CONNECTOR

POSITIVE PARK LIGHT OUTPUT (+15amp)	WHITE
SYSTEM CHASSIS GROUND INPUT	BLACK
CONSTANT 12 VOLT INPUT (20AMP)	RED



Pin 1- Brown Wire- Siren Output (3amp Maximum)

Connect this wire to the brown or red wire from the alarm siren.

Pin 2- Grey Wire- Trunk Release/Auxiliary Channel 2 (-250ma Output)

This output activates for 0.75 sec when the unlock button is held for 5 seconds.

Pin 3- White/ Blue Wire- Auxiliary Channel 3 (-250ma Output)

This output is activated by pressing the star button on the remote for a min of 3 seconds. The output is programmable (see Program Menu for options)

Pin 4- Orange Wire- Ground When Armed (-250ma Output)

This wire switches to ground when the lock button is pressed. This output can be used for a external starter disable or to activate such devices as a window roll-up modules.

Pin 5- Black/White Wire- Dome Light Supervision (-250ma Output)

This output activates for 30 seconds when the unlock button is pressed. Connect to a relay to activate the interior lights or to the headlight circuit for illuminated entry.

Pin 6- White/Green Wire- Second Unlock Output (-250ma Output)

This output will activate when unlock is pressed twice with three seconds.

This wire can be used to install "Driver's Door Priority" or to activate

Pin 7- Blue Wire- Hood Switch input

Negative Input for alarm trigger. This connection is for adding a hood switch. Install the hood switch then connect the blue wire to it.

Pin 8- Green Wire- Negative Door Pin Input

This connection is for vehicles with negative door pins. Connect to negative trigger output form the door pin switch. This wire will switch to ground when the door is opened.

Pin 9- Purple Wire- Positive Door Pin Input

This connection is for vehicles with positive door pins. Connect to positive trigger output form the door pin switch. This wire will switch to 12volts when the door is opened.

Pin 10- Yellow Wire- Switched Ignition Input

12volt switch ignition input. Connect to the vehicles primary ignition wire.

Pin 1- White Wire- Park Light Output (+)

Connect this wire to the vehicles positive parking light wire. If the vehicle has a negative or multiplex park light switch a relay must be installed to convert the output of the alarm from positive to negative.

Pin 2- Black Wire- System Ground (-)

Using a self tapping screw, connect this wire to a solid section of the vehicles frame. If required scrape away the paint to expose bare metal.

Pin 3- Red Wire- 12volt Power Input (+)

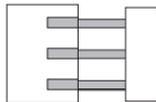
Connect this wire to a constant 12volt source such as the main 12volt power for the ignition switch.

3 PIN KEYLESS CONNECTOR

NEGATIVE OUTPUT FOR LOCK GREEN

12+ OUTPUT FOR DOOR LOCK MODULE RED

NEGATIVE OUTPUT FOR UNLOCK BLUE



FOR MORE DETAILED INFORMATION ON PROGRAMMING, WIRING DIAGRAMS, DOOR LOCK CONFIGURATION AND OTHER INFORMATION, PLEASE VISIT
WWW.ULTRASTARTERS.COM/DIAGRAMS

ENTERING PROGRAM MODE

- 1 - Cycle the Ignition Key On/Off On/Off On (Leaving the key ON)
- 2 - Press and release the Program Switch 1 time.
HORN will chirp to confirm program mode entered
- 3 - Select the Program Menu by pressing...

Press Lock



The Siren will chirp to confirm that the system is in MENU 1
Continue to step 4.

Press Unlock



The Siren will chirp to confirm that the system is in MENU 2
Continue to step 4.

- 4 - Press and Release the Switch to advance through the settings.
(Confirmed by HORN chirps & LED flashes)
- 5 - Press and hold the Program Switch to change the setting.
(Confirmed by HORN Chirps)
- 6 - To exit Program Mode, turn key off.
(Confirmed by Long HORN Chirp)

3 PIN KEYLESS CONNECTOR

This connector is used when installing the optional keyless entry feature. If the door lock type of the vehicle is not negative see the following pages for the appropriate door lock diagram.

Pin 1- Green Wire- Negative Lock Output

Connect to lock wire from the switch on vehicles with a negative type switch.

****LOW CURRENT ONLY****

Pin 2- 12volt Output for Door Lock Module

This output will supply 12volts for a plug-in type door lock module. Do not use this input to power-up relays ****LOW CURRENT ONLY****

Pin 3- Blue Wire- Negative Unlock Output

Connect to lock wire from the switch on vehicles with a negative type switch.

****LOW CURRENT ONLY****

SYSTEM RESET

- 1 - Cycle the Ignition Key On/Off On/Off On (**Leaving the key ON**)
- 2 - Press and **RELEASE** the Program Switch 1 time.
(HORN will chirp to confirm program mode entered)
- 3 - Press and **HOLD** the Program Switch for until the HORN Chirps 3 times.
- 4 - Turn ignition key **OFF** to exit.

ENTERING REMOTE PROGRAM MODE

- 1 -  Cycle the Ignition Key - ON/OFF ON/OFF ON
(Leaving the key ON)
- 2 -  Press and release the program switch (The siren will chirp)
****If the siren does not chirp repeat step 1-2.**
Hold the program switch until the siren chirps 3 times.
- 3 -  1 chirp confirms program mode entered followed by
3 chirps confirming that the system has reset.

STEP 1 - ENTER PROGRAM MODE MENU 1



Cycle the Ignition Key
ON/OFF ON/OFF ON
(Leaving the key ON)



Press and release the
Program Switch 1 time.



1 CHIRP

Siren will chirp to confirm
program mode entered



Press Lock Button on
Remote to Select Menu 1

STEP 2 - SELECT / CHANGE PROGRAM SETTINGS

SETTING 1- IGNITION LOCKS

THE SIREN WILL CHIRP 1 TIME WHEN SETTING 1 IS SELECTED

PRESS
1 TIME

1 CHIRP



X1



CHANGE SETTING 1 - PRESS & HOLD THE VALET SWITCH UNTIL THE SIREN CHIRP(S)
GOTO SETTING 2 - PRESS & RELEASE THE VALET SWITCH

1 CHIRP



SETS OPTION 1 – AUTO-LOCK & UNLOCK ENABLED- The doors will
lock when the key is turned on and unlock when the key is turned off.

2 CHIRP



SETS OPTION 2 – AUTO LOCK ONLY ENABLED- The doors will
lock when the key is turned on but will not unlock when the key is turned off.

DEFAULT SETTING

3 CHIRP



SETS OPTION 3 – AUTO LOCK DISABLED- The doors will not lock or
unlock when the key is turned on or off.

SETTING 2-SIREN CHIRPS

THE SIREN WILL CHIRP 2 TIMES WHEN SETTING 2 IS SELECTED

PRESS
2 TIMES

2 CHIRP



X2



CHANGE SETTING 2 - PRESS & HOLD THE VALET SWITCH UNTIL THE SIREN CHIRP(S)
GOTO SETTING 3 - PRESS & RELEASE THE VALET SWITCH

1 CHIRP



SETS OPTION 1 – SIREN DISABLED- The siren will not activate with
Panic and Car Finder Mode only.

2 CHIRP



SETS OPTION 2 – SIREN CHIRPS ONLY- The siren will chirp for all
functions. When the alarm is activated, the siren output will activate.

DEFAULT SETTING

3 CHIRP



* SETS OPTION 3 – SIREN OUTPUT- The siren and output will activate
for all functions.

SETTING 3-DOOR LOCK OPTIONS

THE SIREN WILL CHIRP 3 TIMES WHEN SETTING 3 IS SELECTED

PRESS
3 TIMES

3 CHIRP



X3



CHANGE SETTING 3 - PRESS & HOLD THE VALET SWITCH UNTIL THE SIREN CHIRP(S)
GOTO SETTING 3 - PRESS & RELEASE THE VALET SWITCH

1 CHIRP



SETS OPTION 1 – DOUBLE UNLOCK & SINGLE UNLOCK- The system will
provide 2 unlock pulses w/unlock and 1 lock pulse w/lock.

2 CHIRP



SETS OPTION 2 – DOUBLE LOCK & SINGLE UNLOCK- The system will
provide 2 lock pulses w/lock button and 2 unlock pulses w/unlock button.

DEFAULT SETTING

3 CHIRP



SETS OPTION 3 – NORMAL OUTPUT- Single output for both the lock and
unlock outputs.

SETTING 4- LOCKS TIMING

THE SIREN WILL CHIRP 4 TIMES WHEN SETTING 4 IS SELECTED



CHANGE SETTING 4 - PRESS & HOLD THE VALET SWITCH UNTIL THE SIREN CHIRP(S) GOTO SETTING 5 - PRESS & RELEASE THE VALET SWITCH

1 CHIRP



SETS OPTION 1 - SHORT PULSES- The output for lock and unlock is .25sec.
This helps prevent the windows from rolling up/down on some vehicles..

2 CHIRP



SETS OPTION 2 - LONG PULSES- The output for lock and unlock is 3 seconds.
Used for vacuum door lock systems.

DEFAULT SETTING
3 CHIRP

SETS OPTION 3 - NORMAL PULSES- The output for lock and unlock is .75sec.
Used for most vehicles

SETTING 5- SHOCK SENSOR

THE SIREN WILL CHIRP 5 TIMES WHEN SETTING 5 IS SELECTED



CHANGE SETTING 5 - PRESS & HOLD THE VALET SWITCH UNTIL THE SIREN CHIRP(S) GOTO SETTING 6 - PRESS & RELEASE THE VALET SWITCH

1 CHIRP



SETS OPTION 1 - DISABLED- Shock sensor will be disabled at all times.

DEFAULT SETTING
2 CHIRP

SETS OPTION 2 - ENABLED- Shock sensor is enabled.(ON)

SETTING 6- PASSIVE ARMING

THE SIREN WILL CHIRP 6 TIMES WHEN SETTING 6 IS SELECTED



CHANGE SETTING 6 - PRESS & HOLD THE VALET SWITCH UNTIL THE SIREN CHIRP(S) GOTO SETTING 7 - PRESS & RELEASE THE VALET SWITCH

1 CHIRP



SETS OPTION 1 - PASSIVE ARMING ENABLED- The alarm will automatically arm 30 seconds after the last door is closed.

2 CHIRP



SETS OPTION 2 - PASSIVE REARM- The alarm will automatically arm 30 seconds after unlock is pressed..

DEFAULT SETTING
3 CHIRP

SETS OPTION 3 - PASSIVE ARMING DISABLED- The alarm will not automatically. Must be armed by the remote.

SETTING 7- PASSIVE LOCKS

THE SIREN WILL CHIRP 7 TIMES WHEN SETTING 7 IS SELECTED



CHANGE SETTING 7 - PRESS & HOLD THE VALET SWITCH UNTIL THE SIREN CHIRP(S) GO BACK TO SETTING 1 - PRESS & RELEASE THE VALET SWITCH

1 CHIRP



SETS OPTION 1 - PASSIVE LOCK DISABLED- The doors will not lock when Passive Arming sets the alarm.

DEFAULT SETTING
2 CHIRP

SETS OPTION 2 - PASSIVE LOCK ENABLED- The doors will lock when Passive Arming set the alarm.

STEP 1 - ENTER PROGRAM MODE - MENU 2



Cycle the Ignition Key
ON/OFF ON/OFF ON
(Leaving the key ON)



Press and release the
Program Switch 1 time.



1 CHIRP

Siren will chirp to confirm
program mode entered



Press Unlock Button on
Remote to Select Menu 2

STEP 2 - SELECT / CHANGE PROGRAM SETTINGS

SETTING 1 - VALET SETTINGS

THE SIREN WILL CHIRP 1 TIME WHEN SETTING 1 IS SELECTED



PRESS
1 TIME



1 CHIRP



X1



**CHANGE SETTING 1 - PRESS & HOLD THE VALET SWITCH UNTIL THE SIREN CHIRP(S)
GOTO SETTING 2 - PRESS & RELEASE THE VALET SWITCH**

1 CHIRP



SETS OPTION 1 – SECURE VALET - The LED/ Program Switch must be held for 15 seconds to place the system into Valet Mode.

DEFAULT SETTING

2 CHIRP



SETS OPTION 2 – STANDARD VALET- The LED/ Program Switch must be held for 5 seconds to place the system into Valet Mode.

SETTING 2 - PARKING LIGHT OUTPUT

THE SIREN WILL CHIRP 2 TIMES WHEN SETTING 2 IS SELECTED



PRESS
2 TIMES



2 CHIRP



X2



**CHANGE SETTING 2 - PRESS & HOLD THE VALET SWITCH UNTIL THE SIREN CHIRP(S)
GOTO SETTING 3 - PRESS & RELEASE THE VALET SWITCH**

1 CHIRP



SETS OPTION 1 – 30 SECOND- The park light output will flash for all functions and will stay active for 30 seconds when unlock is pressed.

2 CHIRP



SETS OPTION 2 – Trunk Release- The park light output will act as a positive trunk output. The trunk output acts as a negative park light.

DEFAULT SETTING

3 CHIRP



SETS OPTION 3 – Normal Operation- The park lights will flash for all alarm functions.

SETTING 3 - AUX CHANNEL OUTPUT

THE SIREN WILL CHIRP 3 TIMES WHEN SETTING 3 IS SELECTED



PRESS
3 TIMES



3 CHIRP



X3



**CHANGE SETTING 2 - PRESS & HOLD THE VALET SWITCH UNTIL THE SIREN CHIRP(S)
GOTO BACK TO SETTING 1 - PRESS & RELEASE THE VALET SWITCH**

1 CHIRP



SETS OPTION 1 – Pulsed Output- The channel 3 output will pulse for .75 seconds when activated.

2 CHIRP



SETS OPTION 2 – Latched Output- The channel 3 output will latch on when activated. Turning the ignition on will cancel the latch.

DEFAULT SETTING

3 CHIRP



SETS OPTION 3 – Active Output- The channel 3 output will stay on as long as the button is held for a maximum of 5 seconds.

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 **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



Each time the unlock 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

3 - EXITING SENSOR ADJUSTMENT MODE

Press & HOLD Lock + Unlock buttons at the same time

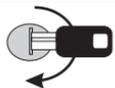
(NOTE: Shock Sensor Adjustment Mode has an auto time out of 8 seconds)

FOR MORE DETAILED INFORMATION ON PROGRAMMING AND WIRING DIAGRAMS, DOOR LOCK CONFIGURATION AND OTHER INFORMATION, PLEASE VISIT

WWW.ULTRASTARTERS.COM/DIAGRAMS

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 chirp 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.

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 momentarily.

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

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 <i>see alarm event memory chart</i>
	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 PRESS TOGETHER THEN RELEASE	1	ACTIVATES SILENT ARM
		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 4 FOR 1 SECOND	1	ARMS / LOCKS AND TURNS OFF SHOCK SENSOR (FOR 1 ARM CYCLE ONLY)

QUICK VIEW OPERATION CHART

INSTALL MANUAL

SECOND CAR OPERATION/ PADLOC. SEE TRANSMITTER PROGRAMMING FOR INFORMATION ON PROGRAMMING THIS FEATURE.

BUTTON	BUTTON PRESS	CHIRP / FLASH	SYSTEM FUNCTION
	1 SEC	1	LOCK / ARM ALARM
	3 SEC	1	ACTIVATE PANIC
	PRESS THEN RELEASE THEN PRESS & HOLD	1	ACTIVATE CONSTANT LOCK OUTPUT **
	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 <i>see alarm event memory chart</i>
	PRESS & HOLD FOR 1 - 5 SEC	1	ACTIVATES AUX OUTPUT

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

FOR DETAILED OPERATIONS AND INSTRUCTIONS PLEASE SEE OWNERS GUIDE

INSTALLER PROGRAM OPTION CHART - PLACE A CHECK MARK BY THE OPTION PROGRAMMED

PROGRAM MODE 1

SETTING # LED FLASHES	DESCRIPTION	OPTION 1 1 CHIRP		OPTION 2 2 CHIRPS		OPTION 3 3 CHIRPS	
1	IGNITION AUTO-LOCK	AUTO-LOCK & UNLOCK ENABLED	<input type="checkbox"/>	IGNITION AUTO- LOCK ONLY	<input type="checkbox"/>	IGNITION AUTO- LOCK DISABLED	<input type="checkbox"/>
2	SIREN SETTINGS	SIREN CHIRPS DISABLED	<input type="checkbox"/>	SIREN CHIRPS ENABLED	<input type="checkbox"/>	SIREN CHIRPS ENABLED	<input type="checkbox"/>
3	DOOR LOCK OPTIONS	DOUBLE UNLOCK / SINGLE LOCK PULSES	<input type="checkbox"/>	DOUBLE LOCK / SINGLE UNLOCK PULSES	<input type="checkbox"/>	SINGLE UNLOCK / SINGLE LOCK	<input type="checkbox"/>
4	DOOR LOCK PULSE TIMES	0.25 SECOND PULSES	<input type="checkbox"/>	3 SECOND PULSES	<input type="checkbox"/>	0.75 SECOND PULSES	<input type="checkbox"/>
5	SHOCK SENSOR SETTINGS	SENSOR DISABLED	<input type="checkbox"/>	SENSOR ENABLED	<input type="checkbox"/>		
6	PASSIVE ARMING	FULL PASSIVE ARMING	<input type="checkbox"/>	PASSIVE SAFETY REARM ONLY	<input type="checkbox"/>	ALL PASSIVE ARMING DISABLED	<input type="checkbox"/>
7	PASSIVE DOOR LOCKS	PASSIVE DOOR LOCKS DISABLED	<input type="checkbox"/>	PASSIVE DOOR LOCKS ENABLED	<input type="checkbox"/>		

PROGRAM MODE 2

SETTING # LED FLASHES	DESCRIPTION	OPTION 1 1 CHIRP		OPTION 2 2 CHIRPS		OPTION 3 3 CHIRPS	
1	VALET SETTINGS	SECURE VALET 15 SECONDS	<input type="checkbox"/>	STANDARD VALET 8 SECONDS	<input type="checkbox"/>		
2	PARK LIGHT OUTPUT	30 SECOND ON FOR DISARM	<input type="checkbox"/>	POS TRUNK RELEASE OUTPUT	<input type="checkbox"/>	NORMAL OPERATION	<input type="checkbox"/>
3	AUX CHANNEL 5 OPTIONS	0.75 SEC PULSED OUTPUT	<input type="checkbox"/>	LATCHED IGNITION ON RESET	<input type="checkbox"/>	ACTIVE WHILE BUTTON HELD	<input type="checkbox"/>

OPTIONAL FEATURES INSTALLED

TRUNK RELEASE	<input type="checkbox"/>	DOOR LOCKS	<input type="checkbox"/>	STARTER DISABLE	<input type="checkbox"/>	AUX OUTPUT	<input type="checkbox"/>
---------------	--------------------------	------------	--------------------------	-----------------	--------------------------	------------	--------------------------

NOTES:

After checking off the programmed options and optional features, please provide a copy of this page to customer for reference and keep a copy with customer file for future reference

Applied 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.

technical support: support@ultrastarters.com
additional product information: www.ultrastarters.com

**ULTRA
START**
TM