500/550 SERIES Advanced Vehicle Security System



OWNER'S 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 devise.

U500/U550 OWNER'S MANUAL

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LIMITED LIFETIME 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 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 purchase 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.

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.

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QUICK VIEW (2WAY REMOTE)

BUTTON ICON	BUTTON DURATION	CHIRP/ FLASH	SYSTEM FUNCTION
	1 SECOND	1	ARM ALARM / LOCK DOORS
	3 SECONDS	1	ACTIVATE PANIC MODE
	1 SECOND	2	DISARM ALARM / UNLOCK DOORS
6	1 SECOND - 1 SECOND	3	DRIVER'S DOOR PRIORITY (OPTIONAL / PROGRAMMABLE)
	3 SECONDS	1	AUX 1 OUTPUT**
6	PRESS AND HOLD FOR 3 SECONDS	2	ACTIVATES TRUNK RELEASE**
	1 SECOND	0	STATUS CHECK
#	3 SECONDS	0	ENTER PROGRAM MODE
()+ ()	PRESS TOGETHER FOR 1 SECOND	FLASH ONLY	SILENT LOCK/ UNLOCK

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QUICK VIEW (2WAY REMOTE)

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BUTTON ICON	BUTTON DURATION	CHIRP FLASH	
	PRESS TOGETHER	5	CAR FINDER (DEFAULT)
	FOR 3 SECONDS	1	AUX 2 (DEALER OPTION)**
		1	
	PRESS TOGETHER FOR 3 SECONDS	1	AUX 3 OUTPUT** (DEALER OPTION)
€+#	PRESS TOGETHER FOR 3 SECONDS	TUNE	ENTER CLOCK ADJUST MODE FOR REMOTE
•	PRESS TOGETHER FOR 3 SECONDS	NONE	REMOTE VIBRATION MODE ON / OFF
	PRESS AND RELEASE LOCK THEN PRESS AND RELEASE TRUNK	1	ARMS / LOCKS AND TURNS OFF SHOCK SENSOR (FOR 1 ARM CYCLE ONLY)

** PROGRAMMABLE OUTPUT - CHECK WITH INSTALLATION CENTER FOR DETAILS

U500/U550 OWNER'S MANUAL

QUICK VIEW (1WAY REMOTE)

BUTTON	BUTTON PRESS	CHIRP / FLASH	SYSTEM FUNCTION
	1 SECOND	1	LOCK / ARM ALARM
	3 SECONDS	1	ACTIVATE PANIC
	PRESS THEN RELEASE THEN PRESS & HOLD	1	ACTIVATE CONSTANT LOCK OUTPUT **
	1 SECOND	2	UNLOCK / DISARM
	1 SECOND WHILE ALARM IS TRIGGERED	NONE	TURNS OFF SIREN BUT ALARM IS STILL ARMED
UNLOCK	1 SECOND	3	UNLOCK / DISARM ALARM EVENT IN MEMORY see alarm event memory chart
6	HOLD FOR 3 SECONDS	1	ACTIVATES AUX OUTPUT**
** PROGRAMMABLE OUTPUT - CHECK WITH INSTALLATION CENTER FOR DETAILS			
#	PRESS AND HOLD FOR 3 SECONDS	ON	ACTIVATES TRUNK RELEASE**
♦+	PRESS TOGETHER FOR 3 SECONDS	5	CAR FINDER (DEFAULT)
		1	AUX 2 (DEALER OPTION)**
() + ()	PRESS TOGETHER FOR 1 SECOND	FLASH ONLY	SILENT LOCK/ UNLOCK
NO SIREN CHIRPS - ACTS AS A TOGGLE - IF ARMED WILL DISARM, IF DISARMED WILL ARM			

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QUICK VIEW (1WAY REMOTE)

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PRESS AND RELEASE LOCK THEN PRESS AND RELEASE TRUNK

ARMS / LOCKS AND TURNS OFF SHOCK SENSOR (FOR 1 ARM CYCLE ONLY)

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PRESS TOGETHER FOR 3 SECONDS AUX 3 OUTPUT** (DEALER OPTION)

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

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BUTTON	BUTTON PRESS	CHIRP / FLASH	SYSTEM FUNCTION
	1 SECOND - 1 SECOND	1	LOCK / ARM ALARM
₽₽	1 SECOND - 3 SECONDS	1	ACTIVATE PANIC ALARM
	1 SECOND - 1 SECOND	2	UNLOCK / DISARM
₽+⊕	1 SECOND - 1 SECOND WHILE ALARM IS TRIGGERED	NONE	TURNS OFF SIREN BUT ALARM IS STILL ARMED
	1 SECOND - 1 SECOND	3	UNLOCK / DISARM ALARM EVENT IN MEMORY see alarm event memory chart
(#)→(#)	1 SECOND - 3 SECONDS	1	ACTIVATES TRUNK RELEASE OUTPUT
** PROGRAMMABLE OUTPUT - CHECK WITH INSTALLATION CENTER FOR DETAILS			
(#)→€3	1 SECOND - 3 SECONDS	1	ACTIVATES AUX 1 OUTPUT
** PROGRAMMABLE OUTPUT - CHECK WITH INSTALLATION CENTER FOR DETAILS			

LOCK/ ARM ALARM

Press and release the Lock Button to lock the vehicle's doors (if door locks are connected). The park lights will flash once and the siren/horn will honk/chirp once. The LED on the antenna will begin to flash (Programmable). The system will arm then monitor the vehicle's doors, hood and shock sensor. If any zone is violated the alarm will activate. The 2way remote will display the large Lock icon when locked. (Some options will require additional parts and/or labour).

UNLOCK/ DISARM ALARM

Press and release the Unlock Button to unlock the vehicle's doors (if door locks are connected). The park lights will flash twice and the siren/horn will honk/chirp twice. The LED on the antenna will stop flashing. If an alarm model was installed the system will disarm. If the alarm was triggered pressing Unlock once will turn off the siren, pressing Unlock a second time will unlock and disarm the alarm. The 2way remote will display the large Unlock icon when unlocked. (Some options will require additional parts and/or labour).

DRIVER'S PRIORITY UNLOCK

When this option is installed and programmed, pressing the Unlock Button once will unlock the driver's door. Pressing the Unlock Button a second time will unlock the rest of the vehicle's doors. The 2way remote will display the large Unlock icon when this feature is activated.(*Some options will require additional parts and/or labour*).

TRUNK RELEASE

Press and hold the Trunk Button for 3 to 5 seconds to activate the trunk release. When activated the park lights will flash twice and the siren/horn will honk/chirp twice, the doors will unlock and the trunk will open. The 2way remote will display the large Unlock icon and the Trunk icon when activated. (Some options will require additional parts and/or labour).

SILENT LOCK/UNLOCK

If you wish to Lock/ Arm or Unlock/ Disarm your vehicle without siren chirps or horn honks on specific occasions, you can do so by pressing the Lock and Unlock Buttons at the same time for 2 seconds. The system will toggle between lock and unlock without any audible confirmation.

SYSTEM OPERATIONS

AUXILIARY 1 OUTPUT

The auxiliary outputs can be used to control options such as power windows, sunroofs, power lift gates, etc. Press and hold the Start Buttons for 3 to 5 seconds to activate the auxiliary output. When activated the park lights will flash twice, the siren/horn will honk/chirp twice, the doors will unlock then the auxiliary will activate. The 2-way remote will display A1 when activated.(*Some options will require additional parts and/or labour*).

AUXILIARY 2 OUTPUT

The auxiliary outputs can be used to control options such as power windows, sunroofs, power lift gates, etc. Press and hold the Trunk and Start Buttons for 3 to 5 seconds to activate the auxiliary output. When activated the park lights will flash twice, the siren/horn will honk/chirp twice, the doors will unlock then the auxiliary will activate. The 2-way remote will display A2 when activated. (Some options will require additional parts and/or labour).

PANIC MODE

Panic Mode is a personal protection feature that will draw attention to your vehicle. To activate the Panic Mode feature, press and hold the Lock Button for 3-5 seconds. Panic Mode will flash the park lights and activate the siren. The lights and siren will stay active for 60 seconds then turn off. To disable panic mode press and release Lock or Unlock on the remote. The 2-way remote will beep and flash from green to red when in panic mode.

AUXILIARY 3 OUTPUT

The auxiliary outputs can be used to control options such as power windows, sunroofs, power lift gates, etc. Press and hold the Lock and Start Buttons for 3 to 5 seconds to activate the auxiliary output. When activated the park lights will flash twice, the siren/horn will honk/chirp twice, the doors will unlock then the auxiliary will activate. The 2-way remote will display A3 when activated.(*Some options will require additional parts and/or labour*).

CAR FINDER

Car finder mode can be used to locate your vehicle in a crowded parking lot. Press and hold the Start and Trunk Buttons together for 3 seconds. The park lights will flash five times and the siren/horn will chirp/honk five times. (*Programmable Option*)

SYSTEM OPERATIONS

VIBRATION MODE (2WAY REMOTE)

The 2way remote transmitter can be programmed not to beep and to vibrate only when a command is completed. To place the system into Vibration Mode press and hold the Start and # Buttons for 3 seconds. The remote will vibrate to confirm Vibration Mode. To exit Vibration Mode press and hold the Start and # Buttons for 3 seconds. The remote will beep to confirm that audible confirmation is turned back on.

TEMPORARY SHOCK BYPASS

If the vehicle is being parked in an area with a lot of vibration i.e. the airport or a construction site, the shock sensor can be temporarily turned off to prevent false alarms. When Locking/ Arming the alarm press and release the Trunk Button within 3 seconds of pressing Lock/Arm Button.

ACTIVATING ANTI CARJACK MODE (International Model Only)

This feature requires that the user must be fully aware of the operation of this feature. If the system goes into full alarm the remote will no longer function until the Anti Carjack Feature is disabled.

Type-1 - The timer will start if the door is opened or if the # button is held for 3 seconds while the ignition is on.

Type-2 - The timer will start if the door is opened or if the # button is held for 3 seconds while the ignition is on. The timer will also start every time the ignition is turned on.

ANTI CARJACK ALERT

When programmed the Anti Carjack timer is triggered when a door is opened or the key is pressed on the remote while the ignition is on. Type 2 Carjack Mode will trigger the timer with the door and trunk button as well as each time the ignition is turned on.

If Anti Carjack is triggered, there will be no indication in the first 20 seconds.

After 20 seconds the LED will begin to flash rapidly to indicate that the Carjack feature is active. After an additional 20 seconds the siren will then start to chirp each second for an additional 20 seconds.

The alarm will now activate, the ignition will interrupt, parking lights will flash, and the siren will alert indicating trouble. The lights and siren will pause momentarily between each one minute cycle, and repeat until disarmed.

SYSTEM OPERATIONS

ANTI CARJACK DISARM

To disarm the Anti Carjack Timer, Press and release the valet button. Also Turn the ignition key off before opening the door to avoid triggering the Anti Carjack Feature.

To disarm the Anti Carjack alert process during the lights and siren cycles, turn the car off then on, then press and hold the valet button for 5 seconds.

SERVICE/VALET MODE

This feature will disable the remote start and security features of the system. When in Service/ Valet Mode the Lock, Unlock, and Trunk features will still work. The system MUST be put into Service/ Valet Mode whenever any work is to be done on the vehicle, or if parked in any enclosed/ partially enclosed area. This procedure can also be used to disarm the alarm if the remote is lost or damaged.

ENTERING SERVICE MODE

1- Turn the key to the "ON" position.

2- Press and hold the Programming Button located on the antenna (mounted on windshield) for 8 seconds* or until the horn/siren honks/chirps 5 times.

*If programmed for Secure Valet hold Program Button for 15 seconds rather than 8 seconds.

The system is now in Service/ Valet Mode. (The 2 way remote will display Valet and Zzz Icon.)

To confirm this, the LED on the antenna will turn on solid, if a start is attempted you will get a VALET (3 Flashes) diagnostic code from the park lights on the vehicle..

EXITING SERVICE MODE

1- Turn the key to the "ON" position.

2- Press and hold the Programming Button on the remote starter antenna (mounted on windshield) for 8 seconds* or until the horn/siren honks/chrirps 2 times.

*If programmed for Secure Valet hold Program Button for 15 seconds rather than 8 seconds.

Service/Valet Mode is now off. (The 2 way remote will turn off Valet and Zzz Icon.)

To confirm this, the LED on the antenna will turn off or flash if the system is in the locked position. The vehicle can now be remote started and the alarm functions will be active when

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LCD FUNCTIONS

TRANSMITTER LEARNING

The system can lean up to 4 different remote transmitter codes. Each remote to be used MUST be programmed together during the same sequence. For security, when a new remote is programmed all previous remotes that are not reprogrammed at this time will be deleted.

1- Cycle the ignition key ON-OFF-ON-OFF-ON.

2- Press and hold the Button on the antenna, the park lights will turn on and the siren/horn (optional) will chirp/honk once. (Continue Holding antenna Button).

3- After 5 seconds the park lights will turn off and the siren/horn will chirp/honk 5 times to indicate you have entered Transmitter Learning Mode.

4- Press the Lock Button on each of the transmitters to be programmed. The park lights will flash and siren/horn will chirp/honk once to indicate successfully learning of each transmitter.
5- Turn the ignition key OFF to exit remote Program mode.

DUAL CAR OPERATION (CAR-1 / CAR-2) 2 WAY REMOTE ONLY

The 2way remote transmitter can be programmed to a second vehicle to control the alarm and remote starter feature. By default the remote is set to CAR-1, this is indicated by number 1 on the LCD screen. In CAR-1 the LCD back light is Green, in CAR-2 mode the back light is red.

The second vehicle must also have the same model 2way starter installed. To Program the remote in second car mode,

- 1- Press and hold the # Button until the Program icon appears.
- 2- Press and release the Lock Button until the number 1 icon turns on.
- 3- Press the Start Button to change form 1 to 2.
- 4- Press # to exit.

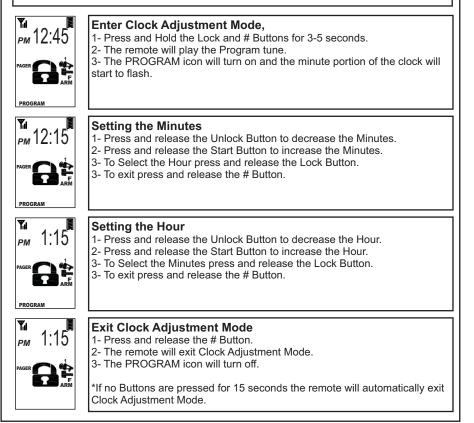
Now that the remote is set for CAR-2 "2". You can Program it along with the other remote to the second vehicle. The remote now controls the second vehicle's functions. To go back to CAR-1 operation follow the steps above. Press the Unlock Button instead of Start Button to change back to CAR-1 "1".



LCD FUNCTIONS

Clock Adjustment

The clock must be set when the remote battery is removed or replaced. Follow the steps below to set or adjust the clock.



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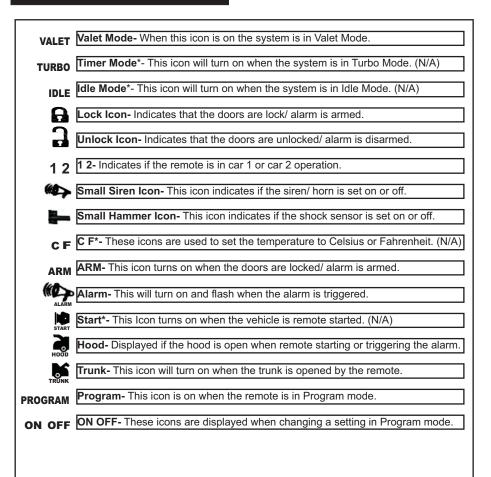
LCD FUNCTIONS

	Mu Ol Ol II CD 2may Demote Trenomitter
	AM 1 2 4 A LCD 2way Remote Transmitter.
	The 2way remote transmitter will give you audible and visual feedback of the preformed function, Locked, Unlocked, Trunk, Remote Start etc. The system will also send the remote a page if the alarm is triggered.
	PROGRAM ON OFF * Not Available in this model
T il	Signal- Icon is on when in range of the receiver.
st a	Vibration Mode- Icon is on when remote is set to vibrate.
A., 1	Vibration wode- icon is on when remote is set to vibrate.
Ð	Timer Mode*- Icon is on when the timer mode feature is set on. (N/A)
	Low Temp Mode- Icon is on when the low temp mode feature is set on. (N/A)
	Battery Status- Indicates the battery level.
AM PM	Clock (AM/ PM)- Indicates the AM or PM.
12:4	Time Status- Displays the time
Ê	Temperature Scale Display* - C or F (N/A)
	Shock Sensor- Indicates that the shock sensor has triggered the alarm.
ZZZ	Valet Mode- This icon is displayed when the Valet Mode is turned on.
HH	Reservation Mode* - N/A
24H	24H* - This icon is on if the Timer Start mode has been set on. (N/A)
PAGER	Pager- When on this indicates that the remote pager mode is on.

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LCD FUNCTIONS

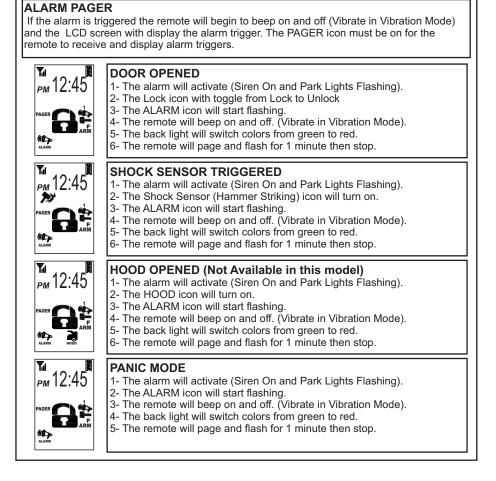
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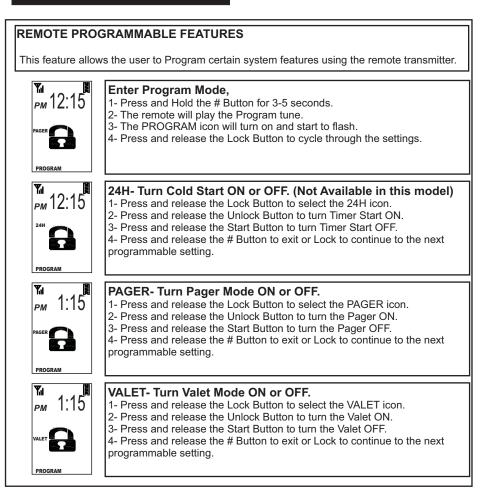
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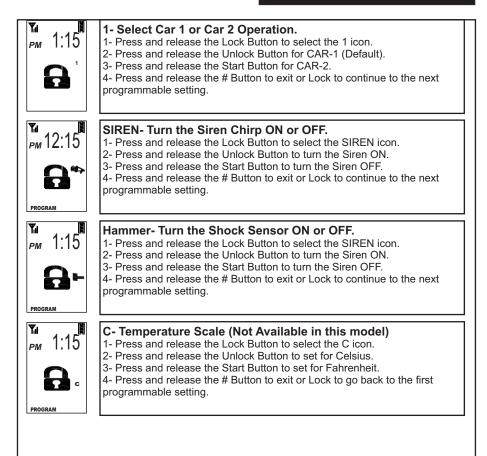


LCD FUNCTIONS



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LCD FUNCTIONS



BATTERY REPLACEMENT

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BATTERY REPLACEMENT

If you notice decreased range while using your remote transmitter, it is possible that your transmitter's battery needs to be replaced. To replace your battery follow the steps below.

1-WAY REMOTE TRANSMITTERS

- 1. Remove the small Phillips screw on the back side of the remote
- 2. Gently pull the remote transmitter apart.

3. Remove the battery and replace with a new battery. If you are having trouble finding the proper size of the battery, the model number is printed on the battery case.

4. Replace the back cover of remote transmitter and replace Phillips screw.

2-WAY REMOTE TRANSMITTERS

- 1. Remove the battery cover by sliding it out from the back of the remote.
- 2. Remove and replace with a new AAA battery.
- 3. Replace the cover by sliding it back into it's case.

INSTALLATION INFORMATION	
Date of Installation	
Installation Shop	
Installation Shop Telephone	-
Name of Technician	-

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: PADLOCK 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.