80 SERIES
Advanced Remote Starters &
Vehicle Security Systems

ULTRA START ™

OWNER'S GUIDE

**The manual cover's the operation of the 1280, 2280, 3280, 3285,
4280 and 4285 Series Remote Starters and Alarm Starters
(Including manual transmission models)**

www.ultrastarters.com

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

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WARRANTY

IMPORTANT NOTES

1) For safety reasons, the owner/user of this system MUST INSTALL a <u>CARBON MONOXIDE DETECTOR</u> in the living area near to where the vehicle is being stored or parked.

2) It is the sole responsibility of the owner/user to keep the remote transmitters away from the reach of children and handle with care so that the system does not unintentionally start.

3) When the vehicle is parked in an enclosed/partially enclosed area (*ex: garage, car port...*), being serviced (*ex: oil change)* or the vehicle is loaned to an operator not familiar with a remote starter, <u>the system MUST BE placed Service Mode</u>.

4) <u>MANUAL TRANSMISSION STARTERS</u> Never install a automatic remote start module into a manual transmission vehicle. Doing so could result in EXTENSIVE DAMAGE TO YOUR VEHICLE, PROPERTY DAMAGE AND POSSIBLY CAUSE SERIOUS INJURIES OR EVEN DEATH!!

5) Manual transmission vehicles must be set into reservation mode before the remote start will activate. If your manual transmission starter starts without setting reservation mode RETURN TO YOUR DEALER AND HAVE IT REPLACED WITH THE CORRECT MANUAL TRANSMISSION MODEL IMMEDIATELY!!!!

6) NEVER REMOTE START THE SYSTEM IN AN ENCLOSED/ PARTIALLY ENCLOSED AREA!

QUICK VIEW CHART

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 & RELEASE	1	ACTIVATES REMOTE STARTER
	PRESS & HOLD	1	TURN OFF REMOTE STARTER
#	PRESS AND HOLD HOLD FOR 3 SEC	1 ON	AUXILIARY OUTPUT (DEFAULT) CAR FINDER (PROGRAMMABLE)
	Car Finder and Auxiliary 1 are not available on 2way models.		
LOCK + UNLOCK	PRESS TOGETHER THEN RELEASE	1	ACTIVATES SILENT LOCK/ ARM*
	PRESS TOGETHER THEN RELEASE	2	ACTIVATES SILENT UNLOCK/ DISARM*
	IF LOCKED/ ARMED IT WILL UNLOCK/ DISARM, IF UNLOCKED/ DISARMED IT WILL LOCK/ ARM**		
LOCK ➔ ✱	PRESS AND RELEASE LOCK THEN PRESS AND RELEASE START	1	ARMS / LOCKS AND TURNS OFF SHOCK SENSOR **(ALARM MODELS)** (FOR 1 ARM CYCLE ONLY)

QUICK VIEW CHART

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

* DISARM / ARM & ALARM REFER TO FEATURES ON ALARM MODELS ONLY.

VALET MODE / EMERGENCY OVERRIDE MODE

TO AVOID SERIOUS INJURY, this remote start system must be set into Service Mode before <u>any under hood servicing is started</u>. Service Mode will prevent the vehicle from starting while the vehicle is being serviced. It is the sole responsibility of the vehicle's owner to place the system into Service Mode. The manufacture accepts no responsibility for accidental starting of the vehicle while the vehicle is being serviced.

ACTIVATING / DEACTIVATING VALET MODE / EMERGENCY OVERRIDE

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 = OFF	REMOTE START AND ALARM DEACTIVATED
2 CHIRPS = ON	REMOTE START AND ALARM ACTIVATED

SYSTEM OPERATIONS

✳ PRESS & RELEASE

REMOTE STARTER ACTIVATION

1. Press and release the START button on the transmitter one time.*
*Press twice if the system is programmed for Safety Start.
2. The park lights will flash and the siren* or horn (optional) will chirp once to confirm.
3. The vehicle will remote start and the park lights will flash four times then remain on while the vehicle is running**.

- If the remote start fails to start see the diagnostics chart at the back of the manual.

If your vehicle is a Manual Transmission you must first set the system into Reservation Mode (See Reservation Mode). If your manual vehicle starts without setting Reservation Mode, return to your dealer immediately.

*   **ALARM MODELS**
** **DEFAULT RUNTIME IS 15 MINUTES**

🔑 TURN KEY ON

KEY TAKE OVER

When the vehicle is remote started and you wish to enter the vehicle to drive away you must do the following.

1. Enter the vehicle then insert the key into the ignition switch.
2. Turn the key forward to the or RUN* position. (This is usually 2-3 key positions)
*Do not turn the key to the start position.
3. Step on the brake and the remote start will turn off however the vehicle will continue to run because the key is on. If the key is not in the on position when the brake is pressed the remote starter and the vehicle will both shut off.**

** If the vehicle shuts down simply restart the engine with the key.

DO NOT TURN THE KEY TO THE START POSITION WHILE THE ENGINE IS RUNNING

SYSTEM OPERATIONS

✱ PRESS & HOLD

REMOTE STARTER SHUT DOWN

1. While the vehicle is running with the remote starter press and hold the START button for three seconds.
2. The park lights will flash and the siren* or horn (optional) will chirp 2 times to confirm shutdown.
- Pressing the brake pedal or opening the hood will also shut down the remote starter.

THE VEHICLE WILL SHUT OFF WHEN THE RUNTIME EXPIRES (DEFAULT 15MIN)

✱ PRESS & RELEASE

ENGINE IDLE MODE

This feature allows the user to safely leave the vehicle running without leaving the keys in the ignition.
1. While the vehicle is running with the key press and release the START button then remove the key from the ignition. The vehicle will run for 15 minute while you are away.

✱ PRESS & RELEASE

EXTENDED RUNTIME

1. While the vehicle is running with the remote starter, press and release the START button.
2. The park lights will flash and the siren* or horn (optional) will chirp one time to confirm.
The system will reset the run time (See Example Below)**.
**Not available with 4 minute run time.

Example- If the vehicle has been remote started for 10 minutes and you press and release the start button the system will run for a addition 15 minutes totalling 25 minutes of runtime.

PRESS & RELEASE

TURBO TIMER MODE

While the vehicle is running with the key, press and release the # button. The park lights will turn on and the siren* or horn (optional) will chirp twice (If connected the doors will unlock). When the ignition key is turned to the "OFF" position the vehicle will remain running for 2 minutes.

MANUAL TRANSMISSION

RESERVATION MODE

Very Important! Do not set Reservation Mode if the vehicle is to be left occupied.

Manual transmission remote starters must be set into Reservation Mode before the remote starter will activate. The activation type of Reservation Mode is determined when the system is installed.

Auto Reservation Mode (Default)
Step 1 - With the vehicle running, place into neutral and apply the park brake.
Step 2* - Press the brake pedal twice. The park lights will flash twice, the siren or horn (opt.) will chirp twice and the doors will unlock (opt.).
Step 3 - Turn the ignition key off and the vehicle will continue running.
Step 4** - Within 30 seconds, exit the vehicle and close all the doors. The vehicle will then shut off indicating that Reservation Mode is set.

Manual Reservation Mode (Optional)
Step 1 - With the vehicle running with the key, place transmission into neutral and apply the park brake.
Step 2 - Press the START button. The park lights will flash twice, the siren or horn (opt.) will chirp twice and the doors will unlock (opt.).
Step 3 - Turn the ignition key off and the vehicle will continue running.
Step 4 - Exit the vehicle and close all the doors.
Step 5** - Press and hold the START button for 3 seconds to shut off.

** If the park lights **do not** flash and stay on or the siren (horn optional) chirps a third time, repeat **Step 2**.*
** If the vehicle has dome light delay, the vehicle may stay running until the dome light turns off. This is normally no longer than 30 seconds.

THE VEHICLE MAY NOW BE REMOTE STARTED. (See Starter Functions.)
If Reservation Mode is not set, the remote starter will not activate. When the button is pressed the park lights will flash 4 times. 4 flashes is the diagnostic code for "Not in Reservation Mode"
NOTE: *Reservation Mode will reset if the doors of the vehicle are opened. To re-enter the vehicle without canceling the Reservation Mode (forgot something) the vehicle must first be remote started. While the vehicle is running by the remote starter the door may be opened. When done in the vehicle, close the door and remotely stop the vehicle by pressing and holding the START button.*

SYSTEM OPERATIONS

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* or horn (optional) 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.

Alarm Models- Once armed the alarm can be triggered by the shock sensor (impact to vehicle), door inputs (opening door / hood) or turning the ignition on.

NOTES:
- If a door is open or delay dome light is on 30 seconds after arming, the system will 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 the siren will not chirp when arming although the park lights will still flash.
- If system is in valet mode the doors will lock/ unlock but the siren will not chirp. The LED indicator will be on solid.
   See Valet / Service Mode in this manual for further information

PRESS & HOLD

ACTIVATE TRUNK RELEASE

1. Press and HOLD the Disarm / Unlock button on the remote.
2. The park lights will flash and the siren* or horn (optional) 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 the Trunk Release Activates/ Opens.

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* or horn (optional) 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* or horn (optional) 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.*

*This is an optional feature that may not be available on all vehicles.

SYSTEM OPERATIONS

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

1. PRESS & HOLD the # button on the remote transmitter for 3-5 seconds.
- The siren will chip and the park lights will flash 5 times.

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

*The horn output must be connected and this feature must be programmed on.

Car Finder Mode is not available on 2way models. Pressing the # button on a 2way will make the remote do a status update. Holding the # button will enter the remote into remote program mode. See 2way section of the manual.

SYSTEM OPERATIONS

# #

AUXILIARY OUTPUT 1

The Aux output can be programmed for a variety of custom applications. (SEE DEALER FOR DETAILS)

1. To activate Auxiliary Channel 1 output press and hold the # button for 3 seconds.
2. The system will unlock/ disarm then the output will activate.
3. Release the buttons for a momentary output or continue holding for up to a 5 second output.

This feature can be used to open or close power windows, sliding doors on minivans or activate "door popper" motors.

**This feature is not available on 2way models

🔓 + ✳

AUXILIARY OUTPUT 2

The Aux output can be programmed for a variety of custom applications. (SEE DEALER FOR DETAILS)

1. To activate Auxiliary Channel 2 output press and hold the unlock and start buttons for 3 seconds.
2. The system will unlock/ disarm then the output will activate.
3. Release the buttons for a momentary output or continue holding for up to a 5 second output.

This feature can be used to open or close power windows, sliding doors on minivans or activate "door popper" motors.

Having the Auxiliary output options connected is subject to addition labour and parts. Some features and functions are not available on all vehicles.

SYSTEM OPERATIONS

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.

USE CAUTION WHEN THIS FEATURE IS ENABLED AS THE DOORS ARE SET TO LOCK WHEN THE SYSTEM ARMS. DO NOT LEAVE YOUR KEYS IN THE IGNITION.

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.
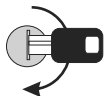
DOME LIGHT SUPERVISION

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.

EMERGENCY OVERRIDE MODE

This feature is to be used if the remote transmitter is lost or is not communicating with the system. Follow the steps below to deactivate your system.

ACTIVATING EMERGENCY OVERRIDE MODE

Turn the Ignition Key ON
(Leave in the ON position)

Press and hold the Valet switch for 8 to 15 seconds
(Time depends on "Valet Settings" Program Option)

The siren will chirp 5 times as confirmation that the system is now in Emergency Override Mode.

DEACTIVATING EMERGENCY OVERRIDE MODE

Turn the Ignition Key ON
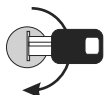**(Leave in the ON position)**

Press and hold the Valet switch for 8 to 15 seconds
(Time depends on "Valet Settings" Program Option)

The siren will chirp 2 times as confirmation that the system is has exited Emergency Override Mode.

DIAGNOSTICS

🔒 + ✳ **PRESS AND HOLD**

COLD START MODE

Timer Mode will start the vehicle at a user selectable start interval. The vehicle can be set to start once every 2, 3 or 4 hours, for a maximum of 12 starts. The vehicle will start at the selected start interval and run for the programmed runtime*. **EXAMPLE:** If the 4 hour start cycle was selected, the vehicle will start once every 4 hours and run for the programmed runtime*.

Press and Hold 🔒 + ✳ for 3 seconds or until the park lights turn on.

While the park lights are on the start cycle may be selected. See below:

2hour	**Press and release the** 🔒 **button**	**2 Park light flashes**
3hour	**Press and release the** ✳ **button**	**3 Park light flashes**
4hour	**Press and release the** #⃣ **button**	**4 Park light flashes**

NOTE: Timer Mode must be set each time the user wishes to use this feature.

To Cancel Timer Mode
Timer Mode will automatically turn off after 24 hrs or you may use one of the following methods to manually disable Timer Mode. Cancellation will be confirmed with 2 park light flashes and 2 horn chirps.

Press and Hold 🔒 + ✳ for 3 seconds or until the park lights flash twice.

NOTE: Pressing the brake pedal or turning the ignition to the ON position will cancel Timer Mode.

IMPORTANT: Never remote start or set the Timer Mode if the vehicle is parked in a Garage or Attached Carport!

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)

SHOCK SENSOR BYPASS

If the vehicle is being parked in a area with high levels of vibrations i.e: The Airport the shock
sensor can be turned off to avoid false alarms.

1- Press lock on the remote then within 3 seconds press and release the start button.
2- The shock sensor will reactivate the next time the system is armed.

TRANSMITTER PROGRAMMING

The system can lean 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 - HOLD program switch, the HORN will chirp ONCE and the park lights will turn on. (If the HORN does not chirp repeat step 1) CONTINUE TO HOLD until HORN 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 - HORN will Chirp 1 time to confirm remote has been programmed (If the HORN 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 - HORN will Chirp 1 time to confirm remote has been programmed (If the HORN 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.

LED 2way utilizes a bright blue light (LED) below the button that illuminates the button pad shortly after the button is pressed. The transmitter will also "beep" as an audible confirmation of the function.

LOCK BUTTON
When the lock button is pressed the light behind the button will flash once and the remote will beep once as confirmation that the function has been completed. If the system is not in range the remote will beep 3 times.

LOCK

UNLOCK BUTTON
When the unlock button is pressed the light behind the button will flash twice and the remote will beep twice as confirmation that the function has been completed. If the system is not in range the remote will beep 3 times.

UNLOCK

START BUTTON
When the start button is pressed the light behind the start button will begin to flash, when the vehicle start the remote will flash both the start button and the status or the system. (locked or unlocked) If the system is not in range the remote will beep 3 times.

START

STATUS UPDATE BUTTON
When the STATUS button is pressed the button will flash once the remote will beep once. Soon after the remote will beep and flash the appropriate button to indicate the status of the system. If the system is not in range the remote will beep 3 times.

STATUS

RUN TIMER- This icon indicates the amount of time that the remote starter will run. The timer counts down in 2 minute increments

EXHAUST and WHEEL'S- When the remote start is activated the remote will play a tune then turn on the remote start icons such as spinning tires, exhaust, key symbol and park light flash. Press the # button at any time to refresh the status.

LOCK ICON - This icon indicates that the doors are locked and the alarm is armed **(ALARM MODELS)** The status can be check at anytime by pressing the # button on the remote.

UNLOCK ICON - This icon indicates that the doors are unlocked and the alarm is disarmed. The status can be check at anytime by pressing the # button on the remote.

TRUNK ICON- This icon indicates that the Trunk Release feature has been activated. The status will update when the lock button is pressed or when manually updated by pressing the # button.

SIREN and LOCK ICONS*- These icons indicate that the alarm has been triggered by the door, hood or ignition inputs. The remote must be set for PAGER MODE for the remote to update the status automatically. **(ALARM MODELS)**

SIREN and HAMMER ICONS*- These icons indicate that the alarm has been triggered by the shock sensor input. The remote must be set for PAGER MODE for the remote to update the status automatically. **(ALARM MODELS)**

The **ANTENNA** icon indicates the signal strength between the remote and the vehicle. If the vehicle is out of operating range when a button is pressed the ANTENNA icon will disappear from the LCD.

The **KEY** icon is displayed on the top of the LCD when the remote starter is activated. When the runtime expires this icon will turn off.

The **SIREN** icon indicates that the alarm has been activated, the LCD will also display the hammer or unlock icon depending on the input that triggered the alarm. **ALARM MODELS ONLY.**

The **TRUNK** icon will be displayed on the LCD when the **TRUNK RELEASE** output is activated. The icon will turn off when the next function is activated or with **STATUS** update.

The **BATTERY** icon indicates the power level of the battery. Replace the battery once two of the bars have disappeared.

The **TIMER** icon is displayed in conjunction with the **TIMER MODE/ COLD START MODE**. When the icon is on the system is set to start at the preset time/temperature.

Pressing the **#** button at any time will update the status on the remote. Hold the **#** button to enter **REMOTE PROGRAM MODE.**

REMOTE PROGRAMMABLE FEATURES

To turn a programmable feature on or off, press and hold the # button until the 24h icon begins to flash. Press and release the lock button until the desired icon begins to flash. Press the **unlock button to turn the feature OFF** or press the **star button to turn it ON**. When done press # to

When the **TIMER** icon is on at the bottom of the LCD the vehicle is set for **COLD START** or **TIMER MODE**. If this icon is turned on by remote the system will start at the last manually programmed cycle.

The **PHONE** icon at the bottom of the LCD indicates the status of the PAGER MODE. When the Icon is on the status is checked every 15 seconds. When off the status is updated by pressing #.

The small **KEY** icon at the bottom of the LCD indicates that a fault is preventing the remote starter from activating. Count the park light flashes then refer to the **DIAGNOSTICS CHART.**

The small **HORN** icon at the bottom of the LCD indicates the status of the Horn/ Siren chirp feature. If the icon is ON the system will chirp as confirmation of a function. For no chirp turn the icon OFF.

The **HAMMER** icon is displayed at the bottom of the LCD on **ALARM MODELS** as an indication of the status of the Shock Sensor. If on the Shock Sensor is active. Turn off to disable the Shock Sensor.

The **Question Mark** icon indicated the status of the **SERVICE MODE** feature. When the icon is on the system is disabled from remote starting and all alarm functions will be turned off.

SETTING THE TIME (LCD 2way MODELS)

To set the time on LCD 2way models, press and hold the 🔓 and ⌗ buttons until the remote transmitter chimes and the minute portion of the clock begins to flash.

To change from **minutes** to **hours**, press and release the 🔓 button.

To **increase** the minutes or hours, press and release the 🔓 button.

To **decrease** the minutes or hours, press and release the ✲ button.
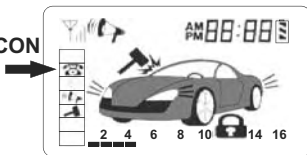
Press and release the ⌗ button to exit or the remote transmitter will exit if there is no activity for 20 seconds.

NOTE: To set the **AM/ PM** icon, continue changing the hour until the appropriate icon is displayed.
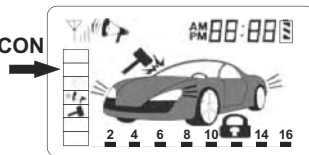
PAGER MODE

PAGER MODE ON

PAGER MODE OFF

PAGER ICON ➡️

PAGER ICON ➡️

To turn Pager Mode ON
Press and hold the # button until the 24H icon begins to flash.
Press and release the lock button the Pager Icon (phone) will start to flash.
Press and release the **start** button the Pager Icon will start to flash.
Press and release the # button to exit. The Page Icon will turn on.

To turn Pager Mode OFF
Press and hold the # button until the 24H icon begins to flash.
Press and release the lock button the Pager Icon (phone) will start to flash.
Press and release the **unlock** button the Pager Icon will start to flash.
Press and release the # button to exit. The Page Icon will turn off.

ALARM STATUS / DIAGNOSTICS

Diagnostic Mode is a tool that can help trouble shoot a start fault. If the remote starter fails to start i.e.: the hood is open the park likes will flash a diagnostic code. i.e.: 5 flashes = start attempt with hood open. If the vehicle does not remote start, count the park light flashes then compare it to the chart below.

PARK LIGHTS	LED FLASHES	DIAGNOSTICS / STATUS
3 SLOW FLASHES	LED's ON SOLID	SYSTEM IS IN SERVICE MODE.
4 SLOW FLASHES	SERIES OF 8 FLASHES	NOT SET IN RESERVATION MODE "M" MODELS
5 SLOW FLASHES	SERIES OF 5 FLASHES	START ATTEMPT WHILE IGNITION IS ON
5 FLASHES	SERIES OF 5 FLASHES	START ATTEMPT WITH HOOD SWITCH OPEN
6 FLASHES	SERIES OF 6 FLASHES	START ATTEMPT WITH BRAKE APPLIED
7 FLASHES	SERIES OF 7 FLASHES	SYSTEM IS IN TACH LOCK OUT (SEE DEALER)
8 FLASHES	SERIES OF 8 FLASHES	THREE START ATTEMPTS WITH NO START

The start fault must be corrected in order for the system to operate correctly. See your dealer for additional trouble shooting or visit www.ultrastarters.com and visit the support page..

TROUBLE SHOOTING

The LED's do not turn on when Tach Learning?
1) The Tach wire input may be connected to the wrong wire. Check the Tach location and connection then "reset and relearn".
2) The system may be in Tachless Mode. On TL models the Tach wire connection is optional and the LED's do not turn on during the 35 second learn procedure.

When I unlock the doors the windows roll down or the Trunk Pops?
This issue is caused by the length of the unlock pulse. To correct this issue program the system for short door lock pulses. (125ms)

The alarm activates 30-45 minutes after setting it?
To prevent the vehicles battery from going dead the computer will "hibernate" like your home computer might. In some vehicles this causes the door pin input to change state. The alarm detects the change of state and activates. A relay must be installed to isolated the door pin circuit from the alarm.

The starter motor stays engaged to long when remote started?
Reset then relearn the Tach with the transmission in reverse. If the vehicle is tach learned when the idle is high the starter motor may "drag". Check your ground connection if issues persist.

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.

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.