U.S.A. Model

OWNER'S GUIDE

Covers All 15xx and 16xx Remote Starters

REMOTE STARTERS

CAR ALARMS

ULTRA
START

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

ATTENTION

! -The system must be placed into Service Mode before any service work is started on the vehicle. It is the sole responsibility of the vehicle owner to ensure that this is done. The manufacturer accepts no liability or responsibility for accidental starting of the vehicle.

- CARBON MONOXIDE - Never Start in an Enclosed Building (Garage, Carport etc...)
- The Hood Pin Safety Switch Must Always be Installed!
- Never Install Automatic Transmission Remote Starters into a Manual Transmission Vehicle!

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Welcome

Congratulations on your purchase of an Ultra Start remote vehicle starter. Ultra Start remote vehicle starters will provide years of comfort and convenience. To utilize and understand this system to the fullest, please read this manual in detail.

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- Dual Car Operation.
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- Additional Outputs Ch 5 and Ch 6 (16xx Only)

- Panic Mode. (Personal Protection)
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- Anti-Grind Protection.
- User Extendable Runtime.
- System Override Protection.
- Window Roll-Up/ Down.
- Up to 4 Different Transmitter Codes.
- Cold Start Mode With 4 Start intervals.

About Ultra Start

It is our continuing objective to design and manufacture the absolute best Remote Car Starters, Vehicle Security Systems, Keyless Entry Systems and Security Bypass units available in today's competitive market. This objective is met by utilizing installation professionals with decades of industry experience to assist in each step of the design process. This has allowed us to build products that are very installer and user friendly yet offer advanced and innovative features. Our systems utilize intelligent programming and auto learning systems and are designed to work properly in every vehicle. Our systems are also designed wherever possible to be easily enhanced, allowing the consumer and the retailer to enjoy easy and cost effective upgrades and additions to their system down the road. Our limited lifetime warranty provides one of the best protection plans in the industry, giving both the consumer and the retailer confidence when they invest in an Ultra Start product.

FCC Notice

This device complies with Part 15 of the FCC rules. Operation of this device 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 voids the users authority to operate this device.

Remote Starter Functions

Remote Starting

1. Press and release the ✳ button.
2. The park lights will flash and the horn (optional) will honk one time.
3. The vehicle will then remote start. The park lights will flash four times then remain on while the vehicle is running*.

Never remote start if the vehicle is parked in a garage or attached carport! Operate in a well ventilated area only.

Note: If the remote starter fails to start, the park lights will flash a Trouble Shooting Code. Count the number of flashes and refer to the Diagnostics Chart on page 10.
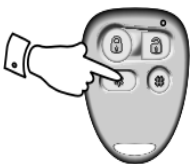
Extended Run Time

1. Press and release the ✳ button while the vehicle is running.
2. The system will respond with one park light flash and one horn honk (optional) to confirm Extended Runtime. The system will reset the run time*.

Note: Extended runtime will not work if the runtime is programmed for 4 Minutes.

Remote Stop

1. Press and hold the ✳ button for three seconds. The remote starter will shut down. The park lights will flash and the horn (optional) will honk 2 times to confirm shutdown.

Note: Pressing the brake pedal or opening the hood will also shut down the remote starter.

Idle Mode

1. While the vehicle is running with key, press the ✳ button.
2. The park lights will turn on and the horn (optional) will honk once.
3. Turn the ignition key off and the vehicle will continue to run for the programmed run time.*

Turbo Timer Mode

1. While the vehicle is running with key, press the **#** button.
2. The park lights will turn on and the horn (optional) will honk once.
3. Turn the ignition key off and the vehicle will continue to run for approximately 2 minutes.

*(Default 15 minutes)

Reservation Mode - Manual Transmission Vehicles (M Models Only)

Manual transmission remote starters must be set into Reservation Mode before the remote starter will activate. There are two different ways to place the system into Reservation Mode. The activation type of Reservation Mode is determined when the system is installed. The default setting is Auto Reservation Mode.

Auto Reservation Mode

Step 1 - While the vehicle is running, place into neutral and apply the park brake.
Step 2 - Press and release the brake pedal twice. The park lights will flash twice, the horn (optional) will honk twice and the doors will unlock (optional).
Step 3 - Turn the ignition key off and the vehicle will continue running.
Step 4 - Exit the vehicle and close all the doors. The vehicle will then shut off *.

Manual Reservation Mode (Dealer Programmable Feature)

Step 1 - While the vehicle is running with the key, place transmission into neutral and apply the park brake.
Step 2 - Press and release the **#** button. The park lights will flash twice, the horn (optional) will honk twice and the doors will unlock (optional).
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 ✱ button for 3 seconds, the vehicle will then shut off.

*****THE VEHICLE MAY NOW BE SAFELY REMOTE STARTED.*****
(See page 4 for Remote Starter Functions.)

If Reservation Mode is not set, the remote starter will not activate. When the start 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 the door may be opened, when done in the vehicle, close the door and hold the ✱ button until the remote starter shuts off.

* 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.

Optional Features...

Lock Doors

1. Press and release the **LOCK** button on the remote transmitter.
2. The park lights will flash and the horn (optional) will honk one time.
3. The doors will lock.
4. The LEDs on the antenna will start flashing within five seconds.

Note: If installed, the starter disable will activate.

Unlock Doors

1. Press and release the **UNLOCK** button on the remote transmitter.
2. The park lights will flash and the horn (optional) will honk two times.
3. The doors will unlock.
4. The LEDs on the antenna will stop flashing.

Note: If installed, the starter disable will deactivate.

Silent Lock and Unlock

1. Press and release the **LOCK & UNLOCK** buttons at the same time.
2. If the doors are locked this will unlock the doors without horn honks, the park lights will flash two times to confirm the doors have unlocked.
3. If the doors are unlocked this will lock the doors without horn honks, the park lights will flash one time to confirm they have locked.

Trunk Release- Default Unlock Button

Press and hold the **UNLOCK** button doors will unlock (optional). Continue holding until the trunk release will activates.

* The trunk release will be confirmed by one park light flash and horn (Optional) honk.

Note: The trunk release output will not activate when the ignition key is in the On position.

Optional Features...

Button 4(#) - Optional operations (dealer programmable)

Car Finder (Default Setting)
1. Press and hold the **#** button for 3 seconds.
2. The park lights will flash and the horn(optional) will honk 5 times.
Note: This feature can be used to locate the vehicle in a crowded parking lot.

Trunk Release on the # button.
1. Press and hold the **#** button for 3 seconds. The park lights will flash and the horn (optional) will honk once. Continue holding the unlock button until the trunk release activates.

Garage Door Activation (Requires Garage Door Interface)
1. Press and hold the # button for 3 seconds. The optional garage door interface will activate.
* The system will have no conformation for Garage Door Activation.

Panic

1. Press and hold the *Lock* button
2. The park lights will flash and the horn (optional) will honk.
Panic Mode Disable:
-Press and release the *Lock* button or
-Press and release the *Unlock* button.
Note: Panic will be active until disabled by the remote transmitter.

Auxiliary 5 Output- 16xx Series Only

1. Press and hold button #5, the park lights will flash and the horn (Optional) will honk twice.
2. Continue holding Button #5 until the feature activates.

Note: If the ignition key is in the "ON" position, this output will not activate.

Auxiliary 6 Output- 16xx Series Only

1. Press and hold button #6, the park lights will flash and the horn (Optional) will honk twice.
2. Continue holding Button #6 until the feature activates.

Note: If the ignition key is in the "ON" position, this output will not activate.

Cold Start/Timer Mode

Method 1

Cold Start/Timer Mode will start the vehicle at a user selectable start interval or temperature setting. The vehicle can be set to start once every 1, 2, 3 or 4 hours in Timer Mode or 0,-5,-15 or -25 Celsius in Temperature Mode **(LT Models Only)** for a maximum 12 starts.

The vehicle will start at the selected start interval/temperature and run for the programmed runtime(default 15min). Cold Start/Timer Mode must be set each time the user wishes to use the feature.

Example- Timer Mode. If the 4 hour start cycle was selected, the vehicle will start once every 4 hours and run for the programmed runtime. (default 15 min).

Example- Temperature Mode (LT models only). If the -15 Celsius start cycle was selected, the system will monitor the temperature (every 2 hours) until it falls below -15. The remote starter will start and run for the programmed runtime. (default 15 min)

To Enter Cold Start/Timer Mode.

Method 1- Press and release the **#** button, then press and hold the ✶ button for 6 seconds or until park lights turn on.

Method 2 - Press the **LOCK** and ✶ buttons at the same time for 3 seconds or until the park lights will turn on.

Method 2

While the park lights are on the start cycle can be selected.

1 hour or	0C	Press LOCK button	1 Park light flash
2 hour or	-5C	Press UNLOCK button	2 Park light flashes
3 hour or	-15C	Press START button	3 Park light flashes
4 hour or	-25C	Press # button	4 Park light flashes

*Note: The optional Low Temp sensor must be installed for the temperature settings to be available. (**LT Models only**)*

To Cancel Cold Start/Timer Mode

Method 1- Press and release the **#** button, then press and hold the **START** button for 6 seconds.

Method 2- Press the **LOCK** and ✶ buttons at the same time for 3 seconds.

Note: Pressing the brake pedal or turning the ignition to the ON position will cancel Cold Start/Timer Mode. Cancellation will be confirmed with 2 park light flashes and 2 horn honks (optional).

*****Never remote start or set the Cold Start Mode if the vehicle is parked in a Garage or Attached Carport!
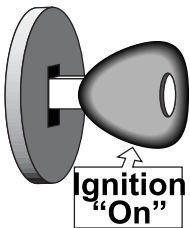
System Service Mode (Valet Mode)

System Service Mode will disable the remote starter. This will only effect the remote start portion of the system. The optional lock, unlock and trunk release features will still be operational.

When the vehicle is to have any under hood or service work done, the system must be placed into Service Mode. This feature may also be used if a transmitter is lost, damaged or if the system malfunctions.

ENTERING SERVICE MODE

1. Turn the ignition key to the On position.
2. Press and hold the Program Button (Located on the antenna) for 5 seconds or until the horn (optional) honks five times.

Ignition "On"

Note: The LEDs on the antenna will turn on solid to confirm Service Mode. If the start button is pressed while the system is in Service Mode the park lights will flash 3 times slowly.
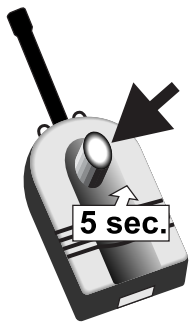
EXITING SERVICE MODE

1.Turn the ignition key to the On position.
2. Press and hold the Program Button (Located on the antenna) for 5 seconds or until the horn (optional) honks two times.

5 sec.

Note: Remote starter functions will be reenabled and the LEDs on the antenna will turn off.

ATTENTION:

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.

Diagnostics/ Diagnostics Chart

If the remote starter does not activate when the start button is pressed the park lights will flash a diagnostic to indicate what shutdown input has been triggered.

Example *when the start button is pressed the park lights flash 3 times slowly. Looking at the chart below this would indicate that the system is in Service Mode.*

Park Lights	Status LEDs	Diagnostic Code
3 Flashes	Series of 3 Flashes	Door Opened "M" Models
3 Slow Flashes	LEDs On Solid	System is in Service Mode
4 Slow Flashes	Series of 4 Flashes	Not in Reservation Mode "M" units
5 Flashes	Series of 5 Flashes	Hood Pin Opened
5 Slow Flashes	Series of 5 Flashes	Ignition On During Start Attempt
6 Flashes	Series of 6 Flashes	Brake Pedal Shutdown
7 Flashes	Series of 7 Flashes	Tach Lock-Out

DIAGNOSTIC MEMORY

LED Flashes	Diagnostic
5 Flashes	The system was shutdown by the hood pin input
6 Flashes	The system was shutdown by the brake switch input
7 Flashes	The system did not detect the tach signal
8 Flashes	The system made 3 start attempts without starting

   Being that the installer does not always see when the system shuts down or fails to start, Diagnostic Memory will store in memory up to four shutdown codes.
   This information can then be accessed to determine the source of the shutdown.

To Enter Diagnostic Mode:

Step 1 - Turn the ignition on then off. Press the Program Button and release.

Step 2 - The system will respond with three park light flashes and the horn will honk (optional) the same number of times as the events in memory.
(Maximum 4 events, 4 honks).

NOTE: If the horn does not honk, there are no events in memory.

Step 3 - Press the Program Button once to view the last shut down code. The horn will honk once to confirm code one.
(If the horn does not honk, there are no codes in memory.)

Step 4 - The LEDs on the antenna will flash a code corresponding to a shut down trigger. Press the Program Button again to check the second code.
The horn will honk twice to confirm code two.

Step 5 - To **Clear Diagnostic Memory.** While in Diagnostic Mode press and hold the Program Button for five seconds.
The park lights will flash and the horn (optional) will honk once.

NOTE: *Once diagnostic memory has 4 shutdown events in memory, the system will not Record any further shutdown events until the system memory has been cleared.*

2nd Car Operation

This feature will allow the operation of two Ultra Start remote car starters with one remote transmitter. This feature requires special programming from the dealer. To control 2nd car functions, press the **#** button at the same time as the command for the second vehicle. **Example** - Press and release the **LOCK** button. The 1st vehicle will lock the doors (optional). Press and release (at the same time) the **#** and **LOCK** buttons. The 2nd vehicle will lock the doors(optional).

Lock Doors

1. Press and release the **#** and **LOCK** buttons at the same time.
2. The doors will lock (optional), the park lights will flash and the horn (optional) will honk once.
3. The LEDs on the antenna will start flashing within five seconds.

Note: If installed the starter disable will activate.

Unlock Doors

1.Press and release the **#** and **UNLOCK** buttons at the same time.
2. The doors will unlock (optional), the park lights will flash and the horn (optional) will honk two times.
3. The LEDs on the antenna will stop flashing

Note: If installed the starter disable will deactivate.

Remote Starting

1.Press and release the **#** and ✱ buttons.
2.The park lights will flash and the horn (optional) will honk once.
3.The vehicle will then remote start. The park lights will flash four times then remain on while the vehicle is running.
4. The vehicle will continue to run for the programmed runtime.*

Remote Stop

1.Press and hold the **#** and ✱ buttons for three seconds.
2.The park lights will flash and the horn (optional) will honk two times, the Remote starter will shut off.

* (default 15 minutes)

Limited Lifetime Warranty

The manufacturer warrants to the original purchaser of their remote starters and alarms, that the product shall be free from defects in material and workmanship. However, should this product be proven to be defective, within a two year period from the original date of purchase, the manufacturer will, without charge to the purchaser (excluding any charges incurred to have the product delivered to the manufacturer), repair or replace any part of the remote starter and/or alarm which the manufacturer agrees to be defective. After the initial 2 year period the manufacture shall repair or replace defective products with a nominal processing fee of $30.00 USD. All warranties apply to the original purchaser and the vehicle in which it was originally installed ONLY. Repairs or replacement of defective modules shall remain at the discretion of the manufacturer. All other parts, components, accessories and/or optional equipment pertaining to the remote starter and alarm are not included in the manufacturer's warranty. **This warranty is non-transferable**. Request for warranty service from any Factory Authorized Dealer **must be accompanied with the original purchase receipt or have product registered by authorized dealer on manufacturer's website**. Failure to comply with any of these conditions may result in warranty being voided.

This warranty does not cover the following: removal and reinstall labor charges, shipping charges, abuse, misuse, or accidental damages to the remote starter and alarm, automobile, and/or parts there of. This warranty is void upon modification, repairs, or alterations of any part of the product. The manufacturer does not guarantee or insure against theft of the vehicle or its contents. Alarm models are designed only to act as a deterrent against possible theft. This alarm may qualify for auto insurance discounts, contact your Insurance Agent for further information . The manufacturer shall not be held liable for any consequential damages due to breach of this or any other warranty, expressed, or implied. This warranty gives you specific legal rights. Your specific legal rights may vary for each region.

<u>CERTAIN DAMAGES EXCLUDED</u> - The manufacturer expressly disclaims any liability or responsibility for incidental damages caused by the product, including economic loss, loss of use of the product, car rentals, or any other costs relating to the care and custody of the product. The manufacturer disclaims liability or responsibility for any consequential damages caused by the product or resulting from its use, including the cost of repairing or replacing other property damaged by the product or caused by its use, whether or not the product is working properly. The product is intended to deter unauthorized use of the vehicles in which it is installed. The manufacturer does not warrant that the product is fool-safe against theft and/or vandalism and/or human error or misuse. The manufacturer accepts no liability or responsibility for any damage of any kind whatsoever caused to any vehicle in which the product is installed or any resulting damage from its use. The manufacturer accepts no responsibility or liability for any damage resulting to or theft of the vehicle or its contents, caused or alleged to be caused, directly or indirectly, by failure of the product.

<u>MANUAL TRANSMISSION STARTERS</u> the installation of a remote starter MUST only be done with a specified manual transmission starter. It is the sole responsibility of the vehicles operator to insure that the vehicle is left with the transmission in neutral position when the remote starter is in use. The manual transmission starter is designed to be an added measure of safety ONLY! The manufacturer does not guarantee or insure against any damages or loss of life that could result in the event of a remote starter starting while the vehicle is in gear. Manual transmission models are designed only to act as a deterrent against the vehicle starting in gear, this is the vehicle's owner's and operator's responsibility.

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