

# OWNER'S GUIDE

**Covers All 22xx and 23xx Series  
Advanced Remote Starter/Alarms**

REMOTE STARTERS

CAR ALARMS



**ULTRA  
START**

**[www.ultrastarters.com](http://www.ultrastarters.com)**

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

## **Warning!!**

**CARBON MONOXIDE MAY CAUSE SERIOUS INJURY, EVEN DEATH!**

It is the sole responsibility of the user to place the system in Service Mode when parking in an enclosed area *ex: garage*, partially enclosed area *ex: carport*, or when the vehicle is being serviced.

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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.

## 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.

## Feature List

- Remote Keyless Entry.
  - Engine Idle Mode.
  - Anti-Grind Protection.
  - Panic Mode. (Personal Protection)
  - System Override Protection.(Service Mode)
  - Park Light Diagnostics.
  - Up to 4 Different Transmitter Codes.
  - Instant Start\*
  - Timer Mode. (3 Different Start Intervals)
  - Built in Dual Stage Shock Sensor
  - Ignition Auto Locks.
  - Turbo Timer Mode.
  - Starter Disable.
  - Car Finder
  - Safety Start Mode.
  - Window Roll-up
  - Dual Car Operation.
  - PadLoc
  - Siren or Horn Output
  - Multi Tone Siren
- \*23xx MODELS ONLY

## Safety

# VERY IMPORTANT SAFETY NOTES!

The owner/user **MUST INSTALL** a CARBON MONOXIDE DETECTOR in the living area near to where the vehicle is being stored or parked. 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. 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, the system MUST BE placed Service Mode (see page 10).

MANUAL TRANSMISSION STARTERS the installation of a remote starter **MUST** only be done with a specified manual transmission starter. It is the sole responsibility of the vehicles owner 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.

**NEVER OPERATE THE SYSTEM IN AN ENCLOSED/PARTIALLY ENCLOSED AREA!**

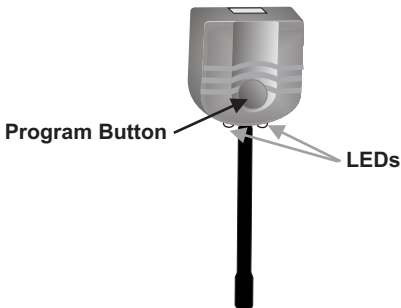
## Remote Transmitters and Antenna



OE series



XR series





Active RF antenna with built in LEDs and Program Button.

**NOTE:** Remote transmitter's and antenna may not be exactly as shown.


## Remote Starter Functions

### Remote Starting (if remote start fails to start see page 15)

1. Press and release the  button.
2. The park lights will flash and the siren will chirp once to confirm.  
The vehicle will then remote start, the siren will chirp and the park lights will then flash four times then remain on while the vehicle is running.\*


**NOTE:** For **SAFETY START** (optional) press and release the  button two times within three seconds.

### Extended Run Time

1. While the vehicle is running with the remote starter, press and release the  button.
2. The park lights will flash and the siren will chirp one time to confirm.  
The system will reset the run time.\*


**NOTE:** Not available with 4 minute run time.

### Remote Stop


1. While the vehicle is running with the remote starter, press and hold the  button for three seconds. The remote starter will shut down.
2. The park lights will flash and the siren will chirp 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 and release the  button.
2. The park lights will turn on and the siren will chirp twice.
3. Turn the ignition key to the "OFF" position and the vehicle will remain running\*

### Turbo Timer Mode

1. While the vehicle is running with key, press the  button.
2. The park lights will turn on and the siren will chirp twice.
3. Turn the ignition key off and the vehicle will continue to run for approximately 2 minutes.

**NOTE:** Reservation Mode on "M" series will not set if Idle mode or Turbo Timer mode are being used.

\*(Default 15 minutes)

## Reservation Mode - (Manual Transmission Vehicles)



**Very Important!** Do not set Reservation Mode if the vehicle is 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** - 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 siren will chirp twice and the doors will unlock (optional).
- 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 .

### Manual Reservation Mode (Optional)


- 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 siren will chirp 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.


\* If the park lights **do not** stay on or the siren 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 SAFELY REMOTE STARTED.

(See page 4 for Remote 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 (ex: 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  button.

## Alarm Functions

### Arm

1. Press and release the **Ⓜ** button.
2. The park lights will flash and the siren will chirp one time.
3. The doors will lock (optional).

**NOTE:** *The LEDs on the antenna will start flashing within five seconds. If installed, the starter disable will activate.*

### Disarm

1. Press and release the **Ⓟ** button on the remote transmitter.
2. The park lights will flash and the siren will chirp two times.
3. The doors will unlock (optional).

**NOTE:** *The LEDs on the antenna will stop flashing. If installed, the starter disable will deactivate.*

### Silent Arm/Disarm

1. Press and release the **Ⓜ** and **Ⓟ** buttons simultaneously.
  - a) If the doors are in the *locked* position: The park lights will flash two times to confirm the doors have unlocked, *without* siren chirps.
  - b) If the doors are in the *unlocked* position: The park lights will flash one time to confirm the doors have *locked*, *without* siren chirp.

### Panic

1. Press and hold the **Ⓜ** button on the remote transmitter.
2. The park lights will flash and the siren will sound.
3. Press and release the **Ⓜ** or the **Ⓟ** button to deactivate\*.

\*Panic will be active for 60 seconds or until disabled by the remote transmitter.



## Optional Remote Features

### Trunk (default **Ⓜ** button)

1. Press and hold the **Ⓜ** button.
2. The doors will unlock (optional), continue holding **Ⓜ** until the Trunk Release activates.

**NOTE:** The trunk release output will stay active for 5 seconds as long as the **Ⓜ** button is pressed. This feature may be used to roll down power windows or to open a power sunroof on select vehicles.

### Trunk (optional **#** button)

1. Press and hold the **#** button.
2. The doors will unlock (optional), continue holding **#** until the Trunk Release activates.\*

**NOTE:** The trunk release output will not activate when the ignition key is in the "ON" position.

\* The trunk release will be confirmed by one park light flash and siren chirp.  
or

### Car Finder (Default Setting)

1. Press and hold the **#** button for 3 seconds.
2. The park lights will flash and the siren will chirp 5 times.

**NOTE:** This feature can be used to locate the vehicle in a crowded parking lot.  
or

### Garage Door Activation (Requires Garage Door Interface)

1. Press and hold the **#** button for 3 seconds. The optional garage Door Interface will activate. (Dealer programming)

**NOTE:** The system will have no conformation for Garage Door Activation.

### Constant Lock (optional)

1. Press and release, then press and hold the **Ⓜ** button.
2. The doors will lock. The park lights will flash and the siren will chirp one time.
3. The lock output from the system will stay active until the **Ⓜ** button is released.



\*This feature can be used on select vehicles to roll up the power windows or to close a power sunroof.



## Timer 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\*\*.

### To Enter 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  and  buttons at the same time for 3 seconds or until the park lights will turn on.

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

2 hours

3 hours

4 hours

Press  button

Press  button

Press  button



2 Park light flashes

3 Park light flashes

4 Park light flashes

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

### To Cancel Timer Mode

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

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

**NOTE:** Pressing the brake pedal or turning the ignition to the ON position will cancel Timer Mode. Cancellation will be confirmed with 2 park light flashes and 2 siren chirps .

**Never remote start or set the Timer Start Mode if the vehicle is parked in a Garage or Attached Carport! (see page 4 SAFETY)**

\*\*Default 15 minutes

## PadLoc/ 2nd Car Remote Functions

**NOTE:** Some features not available with PadLoc or 2nd car mode.

### Remote Starting (if remote start fails to start see page 15)

1. Press and release the **#** and **\*** buttons.
2. The park lights will flash and the siren will chirp once to confirm.  
The vehicle will then remote start, the siren will chirp and the park lights will then flash four times then remain on while the vehicle is running.\*

### Remote Stop

1. While the vehicles is running with the remote starter, press and hold the **#** and **\*** button for three seconds.
2. The remote starter will shut down. The park lights will flash and the siren will chirp 2 times to confirm shutdown.

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

### Lock (optional)

1. Press and release the **#** and **🔒** buttons at the same time.
2. The doors will lock.  
The park lights will flash and the siren will chirp once to confirm.
3. The LEDs on the antenna will start flashing within five seconds.

**NOTE:** *If installed the starter disable will activate.*

### Unlock (optional)

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

**NOTE:** *If installed the starter disable will deactivate.*

\*(default 15 minutes)

## Remote Transmitter Learn

**IMPORTANT!** All remote transmitters not programmed at this time will be erased from memory for security.


**STEP 1** - Within 3 seconds turn the ignition key to the "ON" position three times leaving "ON" the third time.




**STEP 2 - Press and hold the Program Button.** The park lights will turn "ON" and the siren will chirp once. **Continue to hold the Program Button**, the park lights will turn "OFF" and the siren will chirp 5 times quickly.




**NOTE:** If the parking lights do not turn "ON", release the Program Button and turn the ignition to the "OFF" position, wait 5sec and repeat steps 1 & 2.

**STEP 3a (Default)** - While holding the Program Button, press and release the  button on each of the remote transmitters to be programmed.




**STEP 3b (PadLoc/ 2nd Car)\*** - While holding the Program Button, press and release the  button on each of the remote transmitters to be programmed.



**PadLoc** is a safety feature that "LOCKS" the remote transmitter. To "UNLOCK" the remote transmitter the  button must be pressed simultaneously with the function chosen.

or

**2nd Car** function allows the operation of two Ultra Start systems (in two separate vehicles) with one remote transmitter.

*Example: Press and release  and  simultaneously to remote start.*

**NOTE:** Some features not available with PadLoc or 2nd car mode.


\*see page 11 for functions

## 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 siren chirps five times.

**NOTE:** The LEDs on the antenna will turn on solid to confirm Service Mode. If the  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 siren chirps two times.

**NOTE:** The LEDs on the Antenna will turn off and the remote starter functions will be re-enabled.







### ATTENTION:

**TO AVOID SERIOUS INJURY, this remote start system must be set into Service Mode before any under hood servicing is started. 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.**




## Shock Sensor

### Shock Sensor Programming/Adjustment

#### METHOD 1:



- Step 1** - Press and hold the  and  buttons for 3 seconds. The siren will chirp and the park lights will flash 3 times and then the park lights will stay ON.
- Step 2** - While the park lights are on strike the vehicle with the amount of force wanted to trigger the alarm\*. Strike the vehicle the same amount of force 3 times. The siren will chirp each time the system detects impact.
- Step 3** - Press and release  and  buttons to exit.

#### METHOD 2:


- Step 1** - Press and release the  button five times (once every ½ second). The siren will chirp and the park lights will flash 3 times and then the park lights will stay ON.
- Step 2** - While the park lights are on strike the vehicle with the amount of force wanted to trigger the alarm\*. Strike the vehicle the same amount of force 3 times. The siren will chirp each time the system detects impact.
- Step 3** - Press and release  and  buttons to exit.

\* Strike the vehicle with the palm of the hand, be careful not to impact the vehicle in an area that may cause damage. The most common location for testing and setting the shock sensor is the A-pillar. The A-pillar is the metal support that runs from the roof of the vehicle to the hood area. Avoid hitting the windshield when programming.

### Temporary Shock Sensor Bypass

1. Press and release the  button (to arm system).
2. Press and release  button (within 3 seconds).  
The system will chirp once to arm and once again to confirm Temporary Shock Sensor Bypass.

## Diagnostics

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

### PARK LIGHTS

3 Slow Flashes  
4 Slow Flashes  
5 Slow Flashes  
5 Flashes  
6 Flashes  
7 Flashes




### STATUS LED

LED's On Solid  
Series of 4 Flashes  
Series of 5 Flashes  
Series of 5 Flashes  
Series of 6 Flashes  
Series of 7 Flashes

### DIAGNOSTIC CODE

System Is In Service Mode  
Not in Reservation Mode (M units)  
Ignition On During Start Attempt  
Hood Pin Opened  
Brake Pedal Shutdown  
Tach Lock-Out(see dealer)

## IMPORTANT SECURITY NOTES!

If the system has been triggered (shock sensor, door input..), the siren will sound for approximately 60 seconds. Press and release the  or the  button to silence the siren (the system will remain armed). Press and release  button to disarm the system. The siren and park lights will flash three times to indicate the system had been triggered.

## Battery Replacement

The transmitter battery should be changed at least once every year to maintain proper operating range. Replace with a quality 23A 12volt Alkaline battery (OE remote). Replace with two quality 3V lithium batteries (XR remote).

Step #1



Carefully remove the screw from the back of the remote.

Step #2



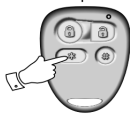
Remove the top case, then replace the battery.

Step #3



Replace top case and Re-install screw.

Step #4



Test remote for proper operation.

## 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.

**CERTAIN DAMAGES EXCLUDED** - 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.

**MANUAL TRANSMISSION STARTERS** 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.

## 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.