



# 4500

## OWNER'S GUIDE

### Advanced 2-Way Remote Vehicle Starter With Security System

**AUTOMATIC AND MANUAL  
TRANSMISSION MODELS**

**WWW.ULTRASTARTERS.COM**

**ATTENTION:** THE SYSTEM MUST BE PLACED INTO SERVICE MODE BEFORE ANY UNDER HOOD SERVICING IS DONE TO THE VEHICLE. IT IS THE RESPONSIBILITY OF THE VEHICLE'S OWNER TO INSURE THAT THIS IS DONE. THE MANUFACTURER ACCEPTS NO RESPONSIBILITY FOR ACCIDENTAL STARTING WHILE VEHICLE IS BEING SERVICED.

#### **FCC/ID Notice**

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

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

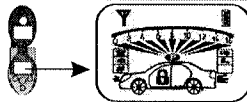
CAUTION: Changes or modifications not expressly approved by the part responsible for compliance void the user's authority to operate this device.

## Owner's Guide

# 4500

### BASIC OPERATIONS

#### Lock Doors And Arm The Alarm



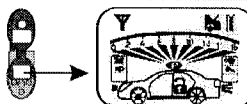
1. Press and release Button #1 on the Remote Transmitter.
2. The park lights will flash and the siren will chirp time.
3. The remote will beep once to confirm.
4. The doors will lock.
5. The LOCK icon will appear on the LCD display of the remote.
4. The LED's on the antenna will start flashing within five seconds.

#### Unlock Doors And Disarm The Alarm



1. Press and release Button #1 on the remote transmitter.
2. The park lights will flash 2 times and the siren will chirp twice.
3. The remote will beep twice to confirm.
4. The doors will unlock.
5. The UNLOCK icon will appear on the LCD display of the remote.
4. The LED's on the antenna will stop flashing within five seconds.

#### Trunk Release



1. Press and hold the Trunk Release button (Button #2) for three seconds.
2. The doors will unlock and the Trunk Release will activate. The Trunk Release will then be confirmed by 2 park light flashes.
3. The remote will beep once then beep twice to confirm the Trunk Release was activated. The Trunk icon will then appear on the LCD screen for 5 seconds.
4. For safety reasons, the Trunk Release output will be disabled and will not activate when ignition key is in the "On" position.

#### Car Finder Mode / Optional 5th Channel

##### Car Finder Mode.

1. Press and hold Buttons #2 and #3 together for two seconds.
2. The system will flash the park lights and chirp the siren five times.
3. The remote will beep and display the systems current status.

##### 5th Channel Activation.

1. Press and hold Buttons #2 and #3 together for two seconds.
2. The park lights will flash five times.
3. The 5th channel output will activate. The remote will beep and display the systems current status.

**Note:** The siren will not chirp when the 5th Channel Output is activated.

#### Panic Mode

##### ACTIVATE PANIC MODE

1. Press and hold Button #1 for three seconds.
2. The park lights will flash and the siren will activate.

##### PANIC MODE DISABLE

- Press and release Button #1 to disable the Panic Mode and to lock the doors.
- Press and release Button #1 to disable the Panic Mode and unlock the doors.

**Note:** Panic Mode will stay activated until disabled by the remote transmitter.

# Owner's Guide

## REMOTE STARTER FEATURES 4500

### Remote Start



1. Press and release Button #3 on the Remote Transmitter.
2. The Park lights will flash and the siren will chirp one time.
3. The remote will beep 3 times and the Key Icon will begin flashing.
4. When the vehicle has started, the system will flash the park lights four times and then remain "On" while the vehicle is running.
5. The Runtime Bar Graph will appear on the LCD screen and begin counting down.
6. The vehicle will continue to run for the programmed runtime. (Normally 15 minutes).

### Reservation Mode (Manual Transmissions Only)

THE FOLLOWING STEPS MUST BE COMPLETED TO REMOTE START A MANUAL TRANSMISSION VEHICLE. 4 SLOW PARK-LIGHT FLASHES WILL OCCUR IF START BUTTON IS PRESSED AND SYSTEM IS NOT IN RESERVATION MODE

1. While the vehicle is running, apply the Park Brake then press & release the Brake Pedal.
2. The park lights will flash to confirm that reservation mode has been activated.
3. Remove the key from ignition (The vehicle will continue to run) exit the vehicle and close the door.
4. The vehicle will shut off when the door is closed. (If the vehicle has a delay dome-light, it may continue to run until the dome-light turns off)
5. The system is now in Reservation Mode and can be safely Remote Started.

**Note: Opening the door after this point will cancel the Reservation Mode.**

\*To re-enter the vehicle without cancelling the Reservation Mode. Remote Start the vehicle and unlock the door's by the remote, (The unlock icon will appear) then open the door. When done, close the door and press Button #1 on the remote (the system will arm) then press and hold button #3 for three seconds (The vehicle will turn Off).

### Extended Run Time

1. Press and release Button #3 while the vehicle is running by the remote starter.
2. The park lights will flash and the siren will chirp one time to confirm that the runtime has been extended. The system will reset the run time, (Normally 15 minutes).

**Note: The Runtime Bar Graph is not updated by the activation of Extended Runtime.**

### Remote Stop

1. Press and hold Button #3 for three seconds. The remote starter will then shut down.
2. The park lights will flash and the siren will chirp two times.
3. The transmitter will beep to verify the status of the alarm. (Armed or Disarmed)

**Note: Pressing the brake pedal or opening hood will also stop the vehicle.**

### Idle Mode

1. Press and release Button #3 while the vehicle is running by the ignition key.
2. The park lights will turn on and the siren will chirp once.
3. The Remote will beep and the Run Time Bar Graph will light up.
4. Turn the ignition key "Off" and the vehicle will continue to run.
5. Exit the vehicle and leave it running safely without the keys in the ignition.

**Note: Always lock the doors when leaving the vehicle unattended.**

### Optional 4th Channel Activation

1. Press and hold buttons #3 and #4 together for two seconds.
2. The park lights will flash and the siren will chirp one time.
3. The 4th Channel output will activate as programmed by installer (Active, Pulsed or Latched)

Active - The output will stay activated as long as buttons #3 and #4 are held.

Pulsed - The output will respond with a single pulse when activated.

Latched - The output will stay activated until buttons #3 and #4 are pressed again.

**Note: Turning the Ignition On will deactivate the Latched output.**

# Owner's Guide

## 4500 LCD DISPLAY

### STATUS ICONS



### PROGRAM ICONS



### PROGRAM ICONS

### STATUS CHECK MODE

This feature is used to check the status of the alarm system or the remote starter.

1. To check the status press and release Button #4 on the remote transmitter.
2. The remote will display the icons of the active features on the LCD screen.

*Note: In status check mode the LCD will stay on for five seconds then shut off.*

### STATUS ICONS

These icons are located at the top of the LCD screen as scene above. These icons are used to display the current operating status of the system. Some icons will always be visible and will only be displayed when one of the systems features are in use. The following is a list and description of the status icons and when they will be present on the LCD screen



#### ANTENNA ICON

This icon will be visible on the LCD whenever the remote is within transmitting range of the vehicle. The icon will disappear when the remote leaves that transmitting range.



#### TELEPHONE ICON

When the vehicle starts in Timer Mode, this icon will appear in conjunction with the usual icons that indicate that the vehicle is running by the remote starter.

*Note: When the vehicle starts in timer mode no sound should come from the remote and the back light should not turn on.*



#### KEY ICON

This icon will begin to flash when the remote starter button is first pressed. After the vehicle has started this icon will stay on solid. The wheels on the car will begin to rotate.



#### SIREN ICON

This icon indicates that the alarm has been triggered. The remote will start to beep and the siren icon will come on solid at the same time as the icon for the violated zone. The remote will stop beeping after one minute. Both icons will continue to flash until the system is disarmed.



#### TRUNK ICON

This icon will be displayed on the LCD screen when the trunk release output is activated by the remote transmitter. This icon will be displayed on the screen until the system is armed or if the status button is pressed



#### BATTERY ICON

This icon is always present when the LCD screen. This icon will indicate the current battery level for the remote transmitter. The black area of the icon will disappear as the battery level decreases.



#### RUN TIMER

This icon activates during remote starting. The bar graph will count down in 2 minute increments, indicating how much time is left on the remote starter's runtime.

*Note: If run time is set to more than 15 minutes graph will remain full time until remaining runtime is less than 14 minutes.*

### USER PROGRAM MODE

User Program Mode allows the user to program system features from the remote transmitter. The following icons will be displayed on the LCD screen to determine the status of the feature.



#### To Enter User Program Mode

1. Press and hold button #4 for three seconds. The remote will respond with two beeps.
2. The system is now in User Program Mode. The telephone icon will begin to flash.
3. Press button #1 to scroll the list of features. Selected feature icon will begin to flash.  
Press button #2 to turn the feature icon Off.  
Press button #3 to turn the feature icon On.
4. Press button #4 to exit program mode and save settings.

**Note:** If the remote is not used for 20 seconds the system will exit Program Mode.



#### TELEPHONE ICON (Timer Mode)

When this icon is displayed in the left program column it confirms that the Cold Temperature Mode or Timer Mode has been programmed ON.



#### KEY ICON

This icon indicates the status of the remote starter. When Key Icon is ON, the remote starter will not activate. See diagnostics

**Note:** This icon is not used in Transmitter Program Mode.



#### NUMBER ICON (Dual Car Operation)

This icon indicates the status of the Dual Car Operation mode. When the icon is off the remote will operate car one. When the icon is on the remote will operate car two.  
\*This icon is not used in transmitter Program Mode.



#### SIREN ICON (Chirp Delete)

This icon indicates the status of the chirp delete feature. If the icon is on, the siren will work normally. If the icon is not displayed on the LCD the chirps delete feature is on and the siren will not chirp.

**Note:** Chirp delete disables the Lock and Unlock chirps Only.



#### SHOCK SENSOR ICON

This icon indicates the status of the shock sensor delete feature. Shock sensor delete allows the user to deactivate the shock sensor. If the icon is present on the LCD screen the shock sensor is active. If the icon is not present on the LCD screen the shock sensor delete feature has been activated and the sensor will be deactivated until programmed on.



#### SERVICE MODE ICON

This icon indicates the status of the Service Mode feature. If the question mark icon is present, the system is in Service Mode. (Valet Mode).

**Note:** While in service Mode, only the keyless entry features of the system will still operate.

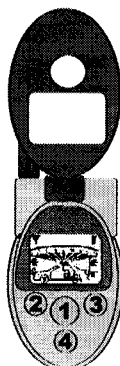


#### PROGRAM ICON

This icon will be displayed on the LCD screen until the user program mode is accessed. While in user program mode the letter "P" from the icon will disappear. The letter will re-appear when user Program Mode is exited.

# Owner's Guide

## 4500



### Transmitter Operation

- 1** Press once to lock the doors and arm the alarm system.  
Press 2nd time and hold for Constant Lock Output.  
Press once to unlock the doors and disarm the alarm system.  
Press and hold for 3 seconds to activate Panic Mode.  
Press Once to disable Panic Mode.
- 2** Press and hold for the Trunk Release / Aux Output.
- 3** Press Once for Start - (2 Times if programmed for Safety Start Mode)  
Press and hold for 3 seconds while running to turn off the remote starter.  
While running with the key, press the button to activate Idle Mode.
- 4** Hold for 3 seconds to enter User Programmable Mode.  
Press and release button #4 then press and hold button #3 for three seconds to activate the Timer Mode
- 2&3** Press both buttons for 3 seconds to activate Car Finder Mode.
- 3&4** Press and hold both Buttons to activate the optional 5th Channel output. (Programmable)
- 3&4** Press and hold both Buttons to activate the optional 4th channel output.

### Timer Mode (Selecting Start Interval / Temperature)

1. Press & release button #4, then press and hold button #3 for 5 seconds, the park lights will turn "On".
2. While the parking lights are "on" the start cycle can be selected.
 

1 hour cycle or 0C	Press button #1	1 Park light flash
2 hour cycle or -5C	Press button #2	2 Park light flashes
3 hour cycle or -15C	Press button #3	3 Park light flashes
4 hour cycle or -25C	Press button #4	4 Park light flashes
3. The system will start vehicle at selected start cycle for a period up to 24 hours.

### Quick Timer (Selects Last Programmed Start Interval/Temperature)

1. Enter Transmitter Program Mode. (Hold Button #4 for 3 seconds)
2. The Telephone Icon will begin to flash on the LCD screen.
3. Press Button #3 and the Telephone Icon will come on solid and the key icon will begin to flash.
4. Press Button #4 to exit Transmitter Program Mode.
5. The remote starter will now start in the last programmed start interval.

#### To Disable The Timer Mode:

- Turn the ignition key is turned to the "On" position.
- Enter Transmitter Program Mode and turn the Telephone Icon Off.
- Press Button #3 then press and hold Button #4 for 5 seconds. The park lights will flash twice.

**Note:** Timer Mode will disable automatically after a 24 hour period.

### Diagnostics

#### PARK LIGHTS

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

#### STATUS LED

Series of 3 Flashes  
No Flashes  
No Flashes  
Series of 4 Flashes  
Series of 5 Flashes  
Series of 6 Flashes  
Series of 7 Flashes  
Series of 8 Flashes

#### DIAGNOSTIC CODE

Door Opened "M" Models  
Attempted Start In Service Mode  
Hood Or Brake Active Before Start  
Not in Reservation Mode "M" units  
Hood Pin Grounded While Running  
Brake Pedal Shutdown  
Tach Lock-Out  
3 Start Attempts with no start

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### System Service Mode(Valet) - By Remote



This feature will disable the system from the remote transmitter. Use this feature must be used when having the vehicle serviced. ( Oil change, Tune-up etc.)

#### ACTIVATE Service Mode (User Programmable Feature)

- 1 - Press and hold button #4 for 3 seconds. (The remote will beep twice)
- 2 - Press button #1 Five times or until the ? starts flashing on the LCD screen.
- 3 - Press button #3 and the ? symbol will come on solid.
- 4 - Press button #4 to exit User Program Mode.(System Is Now In Service Mode)
- 5 - The siren will chirp once and the LED's on the antenna will come on solid.

#### DEACTIVATE Service Mode

- 1 - Press and hold button #4 for 3 seconds. (The remote will beep twice)
- 2 - Press button #1 Five times or until the ? starts flashing on the LCD screen.
- 3 - Press button #2 and the ? symbol will turn off.
- 4 - Press button #4 to exit User Program Mode.(Service Mode is Deactivated)
- 5 - The siren will chirp once and the LED's on the antenna will turn off.

**Note: Remote starter functions will be disabled and the LED will be "on" steady. The door locks and the trunk release will still be operational.**

### Emergency Service Mode - (Valet)

This feature will disable the system except for locking and unlock functions. This mode can also be used if a remote is lost, damaged or if the system malfunctions.

#### ENTERING SERVICE MODE

1. Turn the ignition key to the "On" position then press and hold the Program Button on the antenna for 5 seconds or until the siren chirps 5 times.

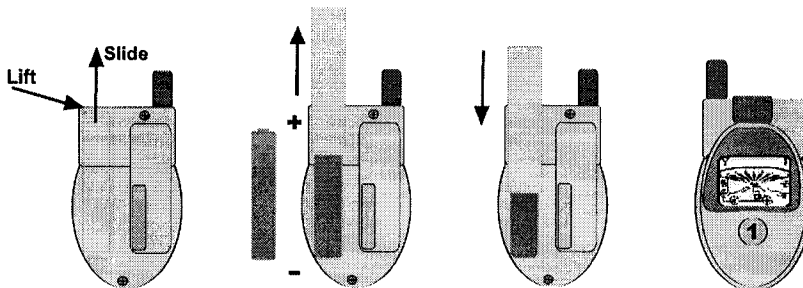
#### EXITING SERVICE MODE

1. Turn the ignition key to the "On" position then press and hold the Program Button for 5 seconds or until the siren chirps 2 times.

**Note: Remote starter functions will be disabled and the LED will be "on" steady. The door locks and the trunk release will still be operational.**

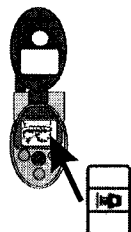
### Battery Replacement

The battery icon on the remote will indicate the present level of the transmitter battery. When the transmitter indicates the battery is low it should be replaced. Replace with quality 1.5volt "AAA" battery.



## Owner's Guide

# 4500

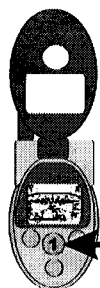


### Start Fault Indicator

If the Key Icon in the remote's Program Menu is flashing, the remote starter has been disabled. This can be because of various inputs including hood open, brake active, tach lockout or the system is in Service Mode (Valet Mode).

When the remote start button is pressed in this mode, the remote will respond by giving 3 beeps and flashing the Key Icon in the Program Window. The Key Icon on the top of the display will not be illuminated.

**Note:** The vehicle's start fault condition must be corrected in order to remote start.



### Self Learning Shock Sensor

- 1) Press the button #1 on the remote five times in a row. The siren should chirp three times and the park lights should turn **On** and remain **On** while in Learn Mode.
- 2) While the park lights are **On**, strike the vehicle with a sharp impact at the force desired trigger the alarm.
- 3) The system will respond with one siren chirp to confirm the impact has been learned.

**Note:** To exit Learn Mode, press the button #1 on the remote transmitter.

## WARRANTY

### 3 Year Warranty Available on Certain Products - See Dealer For Details.

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. All warranties apply on to the original purchaser and the vehicle in which it is originally installed. 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 labour 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 System. 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.