

ALERT



Owners Manual

***Model
450R***



WARRANTY

Alert Warranty Information

Product warranty returns must only be submitted by an authorized dealer.

All Alert models have a Limited Lifetime Warranty on the main control module.

All parts excluding the control module have a two year warranty against defects in workmanship. This includes the shock sensors, remote transmitters and sirens. The control module will be repaired or replaced at our discretion for up to a 24 month period at no charge. After 24 months a \$30.00 fee will be charged for repair or replacement of the control module.

Removal and reinstallation charges are not the responsibility of JBS Technologies, LLC the manufacturer of Alert. Warranty registration must be completed within 14 days of the original date of purchase. Registration can be mailed in or performed on line at www.alertautomotive.com. JBS Technologies makes no warranty against the theft of a vehicle or its contents. This warranty only extends to the original system purchaser and the vehicle it was originally installed on.

Limitation of Remedies

The purchasers remedy is limited to the repair or replacement of the unit and in no event shall exceed the purchase price. Incidental, consequential and or indirect damages are expressly disclaimed. No person or entity is authorized to alter or amend this limited lifetime warranty.

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OPERATION

A. REMOTE TRANSMITTER OPERATION:

Transmitter Button	System Function or Feature	Remark
	Lock Doors & Arm the Security System	
-	Car Locator	Works when armed only
(3 sec.)	Panic function	Press and hold for 3 sec.
	Unlock Doors & Disarm System	
-	Two Steps Door Unlock & Disarm System	Press twice within 3 sec.
+	Silent Doors Lock / Unlock	
(2 sec.)	Trunk Release (Channel 3)	Press and hold for 2 sec.
- -	Remote Control Entry/Exit Valet Mode	While system is disarmed, Press within 3 sec.
+	Channel # 4 Timer Output	
* - *	Activate or Turn Off the Remote Start	Press twice within 3 sec.

B. LED Status Display Chart:

LED	Function
Off	Disarmed
Slow Flash	Armed
Fast Flash	Passive Arming
On (solid)	Valet Mode

C. Chirp Indicators

Chirp	Function
1 chirp	Arm
2 chirps	Disarm
6 chirps	Car Locator

D. Parking Light Indicator Display Chart:

1 Flash	Arm
2 Flashes	Disarm
12 Flashes	Car Locator
Constant On	Under Remote Start Operation

OPERATION

E. ALARM OPERATING CONDITION:

	Horn	Parking Light	LED	Doors	Starter	Dome Light
1. Arming	1 or 3 Chirps	1 Flash	Slow Flash	Locking	Disable	
2. Disarming	2 Chirps	2 Flashes	Off	Unlocking		Turns on for 30 sec.
3. Panic	Alarming	Flashes				Flashes
4. Car Locator	6 Chirps	12 Flashes				

F. ACTIVE LOCK & ARM:

1. Press the **🔒 button** on the transmitter.
2. The horn will **chirp (1) time** and parking lights will **flash (1) time** and then **remain on for 10 seconds indicating that the system is now armed.** The vehicles doors will lock upon arming when interfaced with the security system's keyless entry.

SILENT ARMING / DISARMING: Pressing the **🔒** and the **🔓** buttons at the same time on the transmitter will arm or disarm your security system. No chirping sound will be heard, arm and disarm confirmation will be through the vehicles parking lights only.

G. ACTIVE UNLOCK & DISARM:

1. Press the **🔓 button** on the transmitter.
2. The horn will **chirp (2) times** and parking lights will **flash (2) times** and **remain on for 30 seconds to indicate that the security system is now disarmed.** The doors will unlock and dome light will turn on and remain on for 30 seconds upon disarming when interfaced with the security system.

TWO STEP DOOR UNLOCK This feature will independently **unlock the drives door only** when disarming the security system. Pressing the **🔓 button** a second time within 3 seconds will **unlock the entire vehicle.**

H. DISARMING WITHOUT A TRANSMITTER

The Override function may be used if the remote transmitter is lost or is inoperative.

1. Enter the vehicle and insert the key into the ignition switch and turn it to the **"ON"** position.
2. Within 10 seconds, press and release the valet switch.
The alarm will enter the disarm mode. You can now start and operate the vehicle with the ignition key.

OPERATION

I. VALET MODE: (System in Disarmed or Valet Mode)

The **valet/program switch** allows you to temporarily bypass all alarm functions, eliminating the need to hand your transmitter to parking attendants or garage mechanics. When the system is in **"Valet Mode"**, all alarm functions and remote starter functions are bypassed, however the remote panic feature and remote door locks will remain operational from the remote control. To use the **"Valet Mode"**, the system must first be disarmed either by using you remote transmitter, or by operating the manual override sequence.

To Enter Valet Mode:

1. With the system in disarmed mode, turn the ignition key to the **"ON"** position.
2. Press and hold **valet/program switch** for 2 seconds or until the LED turns on. The LED will remain on for as long as the system is in **"Valet Mode"**.

To Exit Valet Mode:

1. To return to normal operation, turn ignition key to the **"ON"** position.
2. Press and hold the **valet/program switch** for 2 seconds, The LED will turn off, indicating the system has exited the **"Valet Mode"**.

REMOTE VALET: (System in Disarm or Valet Mode)

Press and release the **Ⓜ button** on the transmitter **(3) three times** within 3 seconds to enter / exit valet mode.





The parking lights will **flash (1) time** to confirm entering of **"Valet Mode"** and **(2) parking light flashes** to confirm the exiting of **"Valet Mode"**.

J. PANIC FUNCTION:

The transmitter can be used as a remote panic button, to manually trigger the panic alarm in case of emergency.

1. Press and hold the **🔒 button** for 3 second. The alarm will immediately sound in **"Panic Mode"**.
2. During **"Panic Mode"**, the normal functions of the transmitter buttons will be suspended. The **🔒** and **🔓 buttons** can be used to lock and unlock the doors (if the option is installed), however once the **🔒 button** is pressed, the vehicle's starter disable device, (if installed) will be enable allowing the vehicle to start.

OPERATION

3. To stop the **"Panic Mode"**, press and hold the  or  **buttons** on the transmitter for 3 seconds. Also if any transmitter buttons other than  or  **button** is pressed and released, the panic mode will be turned off immediately.
4. If the button is not pressed, the **"Panic Mode"** will automatically stop after 30 seconds.

K. DOME LIGHT SUPERVISION

The system has a unique feature which will turn on your vehicle's dome light as follows:


1. After disarming, the dome lights will remain on for 30 seconds (if connected).
2. If the vehicle is intruded, the dome light will flash for the same duration as the siren.

Note: Turning on the ignition switch or arming the alarm will turn off the dome light.



L. IGNITION CONTROLLED DOOR LOCKS.

If the vehicles door locks have been interfaced with the unit's keyless entry, the system will automatically lock the vehicle's doors when the ignition is turned **"ON"** and will unlock the vehicle's doors when the ignition is turned **"OFF"**.


M. CHANNEL 3 (TRUNK RELEASE) OUTPUT

Press and hold the  **button** on transmitter for two seconds to control the trunk release or other electric devices that have been added to this output.

N. CHANNEL 4 OUTPUT (See Alarm Feature 1 – 4/5 Programming)

Press the  and the  **buttons** at the same time to control the optional electrical device. The connected device will turn on, when the button(s) are press continuously, and turn off, when the button(s) are released.

O. CAR FINDER

Press the  **button twice** to active the **"Car Finder function"**. The siren will **chirp 6 times**. The parking light will **flash 12 times**, this feature will help you find your vehicle in a crowded parking lot.

IMPORTANT NOTICE

WARNINGS:

As with any product that performs automatic functions, there are certain safety precautions that you must practice and be aware of.

1. Keep all transmitters out of the reach of children.
2. Do not leave anyone in the vehicle while in Remote Start Mode.
3. Alert servicing personnel that the vehicle is equipped with a Remote Starter.
4. Do not start the vehicle by remote while it's in an enclosed area or garage.
5. Always apply the parking brake and lock the vehicle when you exit the vehicle.
6. Should the unit malfunction, disconnect the fuse until the problem is corrected.
7. The use and operations of this system is the sole responsibility of the operator.
8. Some areas may have local ordinances that prohibit leaving a vehicle running on public streets.

REMOTE START OPERATION

A. TO REMOTE START THE VEHICLE:

When you want to remote start your vehicle,

1. Press the *** button twice** on the transmitter.
2. The parking lights will flash to indicate the remote starter has received the signal.
3. The engine will start in approximately 5 seconds.
4. Once the engine is running, after a few seconds the parking lights will turn on and Heater/AC will activate and adjust the vehicles interior temperature to your preset setting.
5. The vehicle will remote start and run for 5 to 30 minutes and automatically shut down after the preset run time expires.

NOTE: The Remote Starter will not start the vehicle if any one of the following conditions exists:

1. If the hood is opened.
2. If the brake pedal is pressed.
3. You moved the optional remote starter enable toggle switch to **"OFF"** position. (If installed)
4. If the gear selector is in any gear other then **"PARK"** or **"NEUTRAL"**
5. Release the Emergency brake. (For Manual Transmission Vehicles)

REMOTE START OPERATION

SAFE START (Child safety mode) (See Start Feature **1 – 5** Programming.)

Factory default settings to press the *** button twice** on the transmitter to remote start the vehicle. Programming this feature to eliminate an accidental remote starts.

This requires the user to press the transmitters **🔒** and *** buttons** at the same time to remote start the vehicle.

B. ENGINE START PROGRAMMING FOR VEHICLES WITH MANUAL TRANSMISSIONS (Cut the **VIOLET LOOP wire** for a manual transmission vehicles)

The control module senses the neutral safety switch position on a automatic transmission vehicle and no prior set-up required. The system for the manual transmission vehicles follows this process when you exit the vehicle to sense and memorize the neutral safety switch position. If the vehicle has a automatic transmission, this process is omitted.

1. While the engine is running with the ignition key, set the emergency brake and place the manual transmission in the neutral position.
2. Before turning off the engine, press the *** button twice** on the transmitter.
-- The LED indicator will flash 3 times to confirm it has been entered.
3. Turn off the "Ignition Key" and remove it from the ignition switch.
--The engine should continue running until the pre-programmed time has elapsed or the shutdown input is received.--
4. Exit the vehicle and close all doors.
-- The engine should still continue running and this is a normal operating procedure.--
5. Within 1 minute from the time of step 1, press the **🔒 button** on the transmitter to lock the doors.
- 6-1. If the engine shuts down immediately, the system is now ready for remote engine starts.
- 6-2. If the engine does not shut down immediately, the system has failed. Repeat the above process again.

If a door is opened after the above procedure, the prior memorization for the next remote or programmed engine start sequence is deleted and the remote start function will not work until you repeat the above process again.

Note: If the remote start programming is set up, the dome light supervision function will be temporarily By-passed.

REMOTE START OPERATION

C. TO TURN OFF THE REMOTE STARTER:

When the engine is running in ("**Remote Start Mode**"), if you want shut down the engine:

1. Press the *** button twice** on the transmitter, the engine will shut off.
2. Move the optional remote starter enable toggle switch to the "**OFF**" position. (If installed)
3. Press the brake pedal. The engine will shut down and the parking lights will turn off to indicate engine has shut down.

D. TO OPERATE THE VEHICLE WHILE RUNNING ON THE REMOTE START:

To operate the vehicle while running in "**Remote Start Mode**".

1. Insert the ignition key into the ignition switch and turn it to the "**ON**" (not the start) position.
2. Press the brake pedal.

Note: If the brake pedal is pressed before the key is in the "ON" position, the engine will shut off.

E. PIT STOP FEATURE:

This feature allows the vehicle to remain running after the key has been removed from the ignition switch. This feature is useful for occasions when you wish to exit and lock the vehicle for short periods of time, but would like to leave the engine running and the Heater/AC control on.

1. Before turning off the engine, press the *** button twice** on the transmitter and the LED indicator will flash **3 times** to confirm it has been entered.
2. Turn the ignition key to the "**OFF**" position. (The engine will stay running.)
3. The engine will remain running until the pre-programmed time elapsed or a shutdown input is received.


F. TURBO COOL-DOWN TIMER MODE:

Turbo Cool Down timer mode keeps the engine running after arriving at you destination for a programmable period of 1/ 3 or 5 minutes, This allows the system's time to conveniently cool down the turbo after you have left the vehicle. The time setting is programmed by the installer.

To activate:

1. While the engine is running, place the transmission in the park position and apply the emergency brake.

REMOTE START OPERATION


2. Before turning off the engine, press and release the  and *** buttons** at the same time.
 - The parking lights will turn on to indicate the remote starter has entered turbo cool down mode. --
3. Turn off the **"Ignition Key"** and remove the key from the ignition switch.
 - The engine should remain running. --
4. Exit and secure the vehicle.
 - The engine will continue running until the pre-programmed time has elapsed. --

G. TIMER START:

This unit can be programmed to start and run the engine every **2 or 3 hours**. The engine will run for the programmed run time and then shut down.

IMPORTANT: "Timer Start" should be used only in open areas, never start and run the vehicle in an enclosed space such as a garage or carport. **2 or 3 hour timer start:** This feature is designed for an extreme cold climate usage. The system will auto start the vehicle every 2 or 3 hours, to prevent engine from freezing or a hard starting engine. **A MAXIMUM OF SIX CYCLES CAN OCCUR.**

ENTER:


1. Press the *** button twice** to remote start the vehicle. As soon as the vehicle is running, the parking lights will turn on.
2. Immediately depress the  **button once**, within 2 seconds
3. Rapidly depress the *** button**. The parking light will flash **(3) times**. The siren or horn will chirp **(3) times**. The vehicle is now programmed to start every 2 or 3 hours.
4. Press the brake pedal to shut the engine off.

Exiting the timer start:

Timer start can be exited manually as follows:

1. Make sure the vehicle is not in remote start mode.
2. Turn the ignition key **"ON"**. The LED and parking lights will **flash (4) times**. The siren or horn will **chirp (4) times**. **Or you can:**

Press the *** button twice** to remote start the vehicle. As soon as the engine is running and the parking lights have turned on or are in flashing mode.

1. Immediately depress the  **button**, then press and hold the *** button** for 2. seconds. The parking lights will **flash (4) times**. The siren or horn will **chirp (4) times**. The unit is no longer programmed to start automatically.

OPERATION

H. SHUT-DOWN INPUT FOR REMOTE STARTER:

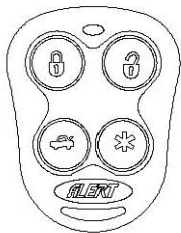
If any of the following conditions exist while the system is operating mode the engine will not start or will shut down immediately:

1. The hood is opened.
2. The brake pedal is pressed.
3. The emergency is released (for Standard Transmission Vehicles)
4. Engine is over-revved. ("**Tachometer Checking Type**" only)
5. The pre-programmed run time (5 / 10 / 20 / 30 minutes) has elapsed.
6. Press the * **button** twice on the remote transmitter in "**Remote Start Mode**".
7. You move the optional remote starter enable toggle switch to "**OFF**" position. (If installed)
8. If the engine did not start after (3) unsuccessful attempts.

I. DISABLING THE REMOTE START SYSTEM: (If installed)

This feature allows your system's remote starter to be temporarily disabled to prevent the vehicle from being remote started accidentally. This feature is useful if the vehicle is being serviced or stored in an enclosed area. To disable the remote starter, move the optional remote start enable toggle switch to the "**OFF**" position.

REMOTE CONTROL OPERATIONS



Basic functions:



Lock Button #1

Press this **button (1) time**, the horn/siren will **chirp (1) time**, the parking lights will flash and remain on for 10 seconds and the doors will Lock.



Unlock Button #2

Press this **button (1) time**, the horn/siren will **chirp (2) times**, the parking lights will **flash (2) times**, the doors will Unlock and the dome light (if connected) and Parking lights will remain on for 30 seconds.



Trunk Button #3

Press and hold this **button for (2) seconds**, to Remotely open the trunk.



Start Button #4

Press this **button (2) times**, within 3 seconds, to remote start the vehicle, then press this button again **(2) times**, within 3 seconds will shut the engine off when in remote start mode.

For more operating features see Operation Page 4.



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