

# VIKING™

## VS 2000

2-WAY LCD REMOTE ENGINE STARTER  
AND KEYLESS ENTRY SYSTEM

Operation Manual



**MEGATRONIX**  
CALIFORNIA, U.S.A.



## WARNINGS:

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

1. Keep the transmitter out of reach of children.
2. Do not leave anyone in the vehicle while running on remote start.
3. Alert servicing personnel that the vehicle is equipped with a remote start system.
4. Do not start the vehicle by remote while it is in an enclosed area or garage.
5. Always apply the parking brake and lock the vehicle as you exit the vehicle.
6. Vehicle windows should be rolled up before vehicle is remote started.
7. If the unit malfunctions, disconnect the remote start fuse until the problem is resolved.
8. Use and operation of this system is the sole responsibility of the vehicle owner or operator.
9. Some areas may have local ordinances that prohibit leaving a vehicle running on public streets.

## OPERATION:

### A. TRANSMITTER OPERATION:

Transmitter Button	System Function	Remark
	Lock Doors and Arm System	
-	Arm and Delete the 2 Stage Shock Sensor	Press twice within 3 seconds
-  -	Arm and Noiseless Mode	Press within 3 seconds
-	Arm System and Hidden Alarm Function	Press within 3 seconds
+	Silent Arming / Disarming	Ignition in "off" position
+  (2-second)	Active Anti Car-Jacking Mode	Ignition in "on" position press and hold for 2 seconds
	Unlock Doors and Disarm System	
-	2-Step Door Unlock and Disarm System	Press twice within 3 seconds
(2-second)	Trunk Release (Channel 3)	Press and Hold for 2 seconds
-	Passive Arming By-pass	While the system is disarmed
-  -	Remote Control Entry/Exit Valet Mode	While the system is disarmed Press within 3 seconds
+	Channel # 4 Timer Output	
*	Car Locator	
* (3-second)	Panic function	Press and Hold for 3 seconds

### B. 2-WAY LCD REMOTE CONTROL TRANSCIEVER OPERATION ONLY:

Transceiver Button	System Function	Remark
<b>F</b> -  (C)	System's Trigger Check	Press within 3 seconds
<b>F - F</b> -  (C)	System's Status Check	Press within 3 seconds
<b>F</b> -  (L)	Optional Driving Pager	Press within 3 seconds
<b>F</b> (1 second)	LCD screen lamp turns on for 5 seconds.	Press and hold for 1 second
<b>F - F - F</b>	Clear the Flash Icon and Melody Sound on the LCD Screen Transmitter	Press within 3 seconds

### C. LED INDICATORS:

LED	Status
Off	Disarmed
Slow flash	Armed
Fast flash	Passive arming
On (solid)	Valet mode

LED	Status
2 flashes... pause	Zone 2 / Trigger on Trunk/Hood
3 flashes... pause	Zone 3 / Trigger on Door Switch
4 flashes... pause	Zone 4 / Trigger on Shock Sensor
5 flashes... pause	Zone 5 / Trigger on Ignition Switch

### D. CHIRP INDICATORS:

Chirp	Function
1 chirp	Arm
2 chirps	Disarm
3 chirps	Ajar Warning
6 chirps	Car locator

### E. PARKING LIGHT:

Parking light	Function
1 flash	Arm
2 flashes	Disarm
3 flashes	Triggered
12 flashes	Car locator

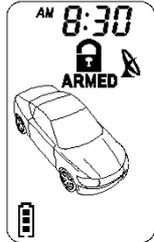
## F. SYSTEM OPERATING CONDITION:

	Siren, Horn	Parking Light	LED	Doors	Starter	Dome Light
1. Arming	1 or 3 Chirps	1 Flash	Slow Flash	Locking	Disable	
2. Disarming	2 or 4 Chirps	2 or 3 Flashes	Fast Flash or Off	Unlocking		Turns on for 30 -second
3. Trigger	Alarming	Flashes	Slow Flash		Disable	Flashes
4. Panic	Alarming	Flashes				Flashes
5. Car-Jacking	Alarming	Flashes			Disable	Flashes
6. Car Locator	6 Chirps	12 Flashes				

## G. ACTIVE ARMING – LOCK & ARM:

1. Press  button on the transmitter.
2. The siren will chirp once and parking light will flash once indicating that the system is now armed. The vehicle doors will lock upon arming when interfaced with the security system.

**System Arm**



**Door Ajar**



**Trunk / Hood Ajar**



### Clear The Flash Icon:

Press the **F** button 3 times within 3 seconds will clear the flash icon on the LCD screen transceiver.

**AJAR WARNING:** If the siren sounds 3 chirps, then you have left a door, trunk, or hood lid ajar. (See Alarm Feature “I - 3 Programming”)

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

**SHOCK SENSOR BY-PASS:** Press the  button on the transmitter twice within 3 seconds will arm the security system and bypass the shock sensor. The system will chirp one additional time to confirm the sensor bypass mode was activated. The sensor bypass feature is programmed to activate for one arming cycle only. The security system will return to normal operation during the next arming cycle.

**NOISELESS MODE:** Press  button once. The siren chirps once, The system is now armed.

Press the  button twice more within 3 seconds: The siren chirps once again, the system is now in Noiseless mode. On this mode, for the zone 4 shock sensor, the trigger timer will reduced from 30 seconds to 15 seconds.

The noiseless feature is programmed to activate for one arming cycle only. The security system will return to normal operation during the next arming cycle.

**HIDDEN ALARM FUNCTION:** Press the  button first; within 3 seconds press the  button to activate the hidden alarm function. The security system will arm and with “Hidden Alarm Function”. The siren / horn will be silenced even if the sensor is triggered in the armed status.

## H. PASSIVE ARMING (See Feature “II - 2” Programming)

Active arming / disarming will allow you to control your security system via the remote transmitter. This security system is equipped with an optional Passive Arming feature, which allows the security system to arm 30 seconds after the last door is closed. Operation is as follows.

1. Turn the ignition to the “OFF” position and exit the vehicle.
2. After all entrances are closed, the security system LED will flash fast for 30 seconds. If you reopen any door / hood / trunk, the security system LED will stop flashing. It will begin flashing again once the vehicle all entrances are closed.
3. After 30-second timer has elapsed, the security system will automatically “ARM”. The siren will chirp [1] time and the parking lights will flash [1] time and remain on for 10-seconds.

**PASSIVE DOOR LOCKING:** (See Feature “II - 2” Programming)

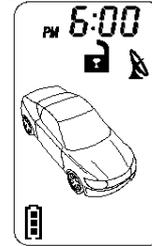
The vehicle doors will automatically lock after passive arming cycle has been completed.

**PASSIVE ARMING BY-PASS:** While the system disarmed, Press the  button twice, the security will respond with [1] chirp and LED will turn "ON". The security system will remain in this temporally state for as long as you wish. To exit passive by-pass, press the transmitter  or  button and the system will return to normal status.

## I. ACTIVE DISARMING – UNLOCK & DISARM:

1. Press  button on the transmitter.
2. The siren will chirp twice and parking light will flash twice and then remain on for 30 seconds indicating that the security system is now disarmed. The vehicle doors will unlock and dome light will turn on for 30 seconds upon disarming when interfaced with the security system.

### System Disarm



**CLEAR THE FLASH ICON:** Press the **F** button 3 times within 3 seconds will clear the flash icon on the LCD screen transceiver.

**TAMPER DISARMING:** If alarm triggered, upon disarm the system, siren chirp 4 times, parking light flash 3 times.

**PATHWAY ILLUMINATION** (See Alarm Feature "II - 4" Programming): This feature turns the parking light "ON" for 30 seconds upon a unlock signal and for 10 seconds upon the lock signal.

**TWO STEP DOOR UNLOCK:** This feature will independently unlock the driver's door only when disarming the security system. Pushing the  button on the transmitter a second time within 3 seconds will unlock the entire vehicle.

**AUTOMATIC RE-ARM** (See Feature "I - 2" Programming): If this feature is selected, the security system will automatically re-arm itself 60 seconds after disarming with remote transmitter. Automatic rearm will cancel if any door is opened before the 60 seconds timer has elapsed.

## J. DISARMING WITHOUT A TRANSMITTER

**OVERRIDE THE ALARM WITHOUT PASSWORD PIN CODE:** (Factory Default Setting)

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

1. Enter the vehicle and turn the ignition switch to 'ON' position. (Alarm will sound.)
2. Within 10 seconds push and release the valet switch.

Alarm will stop sounding and enter the disarm mode. You can now start and operate the vehicle normally.

**OVERRIDE THE ALARM WITH PASSWORD PIN CODE:** (Alarm Feature IV - 2 Programming)

Unlike valet switch easily found, and defeated, this security system allows the consumer to program a password pin code, offering a higher level of security.

1. Enter the vehicle and turn the ignition switch to the 'ON' position. (Alarm will sound.)
2. Within 5 seconds, enter your chosen first 10ths digit by pressing and releasing the valet switch.
3. Within 15 seconds of the last entered 10ths digit, turn the Ignition switch "OFF" then "ON".
4. Within 15 seconds, enter your chosen second 10ths digit by press and release the valet switch.
5. Turn the ignition switch "OFF" position.

[4] Chirps from siren/horn, [3] flash from parking light and LED will turn off to indicate the system was disarmed.

Note 1: You must override the alarm within 60 seconds. If not, the system will automatically re-arm.

**EXAMPLE: To Override The System With The Password Code 83, you would;**

1. Enter the vehicle and turn the ignition switch to 'ON' position. (Alarm will sound.)
2. Within 5 seconds, press and release the valet switch 8 times
3. Within 15 seconds of the last entered 10ths digit, turn the Ignition Switch "Off" then "ON".
4. Within 15 seconds, press and release the valet switch 3 times
5. Turn the Ignition Switch to "Off" position.

[4] Chirps from siren/horn, [3] flash from parking light and LED will turn off to indicate the system was disarmed.

## K. VALET MODE: (System in Disarm or Valet mode)

The valet 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 are bypassed, however the remote panic feature and remote door locks will

remain operational. To use the valet mode, the system must first be disarmed either by using your remote transmitter, or by operating the Manual override sequence.

**Enter Valet Mode:**

1. From the disarmed condition, turn the ignition to the "ON" position.
2. Push and hold valet switch for 2 seconds until LED turns on. LED will remain on as long as system is in 'valet mode'.

**Exit Valet Mode:**

1. Return to normal operation, turn ignition 'on'.
2. Push and hold valet switch for 2 seconds, LED will turn off indicating system has exited valet mode.
3. Parking light flash confirms enter valet mode and two parking light flash confirm exit valet mode.

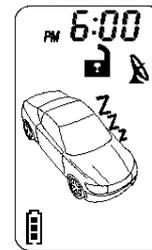
**Remote Valet Mode:**

1. Press and release  button on transmitter 3 times within 3 seconds to enter/exit valet mode.
2. One parking light flash will confirm you have entered 'valet mode' and two parking light flashes will confirm you exited 'valet mode'.

**Remote Door Lock**



**Remote Door Unlock**



**L. CAR LOCATOR**

Press the  button to activate car locator function. The siren will chirp 6 times. The parking light will flash 12 times, for you to easily locate your car.



**M. PANIC FUNCTION:** (See Alarm Feature **V – 4** Programming)

Transmitter can be used as a remote panic switch to manually trigger the alarm in case emergency.

1. Press and hold the  button for 3 second. The alarm will immediately sound.
2. During panic mode, the normal function of this transmitter button will be suspended. The  and  buttons can be used to lock and unlock the doors (if option is installed), however once the  button is pressed, the vehicle's starter disable device, (where installed) will be enable allowing vehicle to start.
3. To stop the alarm, press and hold the  button on the transmitter again for 3 seconds. Also if any transmitter button other than  or  or  button is pressed and released, the panic mode will be turned off immediately.
4. If the button is not pressed, the alarm will automatically stop after 30 seconds.



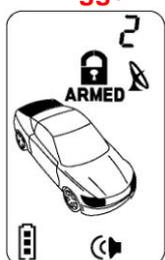
**N. TRIGGER THE SYSTEM**

When armed, your vehicle is protected as follows:

1. Light impacts will trigger the warn-away signal.
2. Heavy impacts / Doors open / Hood open / Trunk open / Turning on the ignition key will trigger the programmed sequence.

The starter disable relay (if installed) prevents the vehicle's starter from cranking. The siren, horn, parking lights, and dome light will turn on to alert of an intrusion for 30 seconds. Then it will stop and automatic reset and re-arm. If the one of sensors or detectors is still active, the alarm system will sound a maximum of 6 times of 30 seconds cycles.

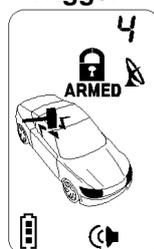
**Trunk Trigger**



**Doors Trigger**



**Shock Sensor Trigger**



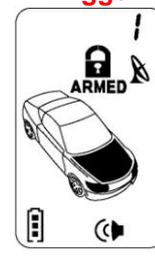
**Ignition Trigger**



**Warn-away Trigger**



**Hood Trigger**



**STOP THE MELODY SOUND ONLY:** While triggering the alarm the LCD screen will alert user through melody sound and flashing trigger icon, press any button on the LCD remote transceiver to stop melody sound only

**CLEAR THE FLASH ICON AND MELODY SOUND:** While triggering the alarm the LCD screen will alert user through melody sound and flashing trigger icon, press the **F** button 3 times within 3 seconds will clear the flash icon and stop melody sound on the LCD screen transceiver.

**NOISE ABATEMENT CIRCUIT:** Your system has "Noise Abatement Circuit". It prevents annoying repetitive trigger sequences due to faulty door pin switches or environmental condition such as thunder, jackhammers, airport noise, etc.

Here's how "Noise Abatement Circuit" works: The alarm triggers five times. Each time the same sensor or switch is triggering the alarm, the "Noise Abatement Circuit" will interpret this pattern of triggers or false alarms. After the fifth trigger, "Noise Abatement Circuit" ignores, or by pass, that sensor or switch until the other sensor or switch is trigger.

"Noise Abatement Circuit" covers doors, hood, and trunk differently: If the alarm is triggered by an open door for six full cycles (three minutes), the doors will be bypassed until the trigger ceases.

## O. ANTI CAR-JACKING

**Warning: If you do not need the carjacking function in this alarm system, be sure to set car-jacking feature "OFF". The default setting for this system is all car-jacking "OFF". (See Alarm Feature I – 4 Programming).**

**ACTIVE ANTI CAR JACKING:**

1. Press and hold the transmitter  and  buttons at the same time for 2 seconds while the vehicle's ignition is ON. The parking lights will turn on for 1.5 seconds to indicate the system enters the car-jacking mode.
2. Once the system in car-jacking mode, if you are forced from the vehicle, the system will be trigger when the door is opened and closed while the ignition is "ON".

**PASSIVE ANTI CAR-JACKING:**

1. Turn the ignition switch to "ON" position; the system enters the car-jacking mode.
2. Once the system in car-jacking mode, if you are forced from the vehicle, the system will trigger when the door is opened and closed while the ignition is "ON".

**TRIGGER THE ANTI CAR-JACKING MODE:**

- a). 50 seconds after the system has been triggered. The siren will start chirping for 15 seconds.
- b). During this 15 seconds period of chirping, are being alerted to push the valet switch once to turn off the car-jacking feature. If not, it will enter the second timer car jacking.
- c). 65 seconds after the system has been triggered, the siren starts alarming and the parking light starts flashing.
- d). 90 seconds after the system has been triggered:
  1. The siren will continue alarming and the parking lights flashing, and
  2. The starter disable will activate to prevent the vehicle from starting.
  3. It will remain active until the vehicle's battery power is exhausted.

**OVERRIDE THE SYSTEM TO TURN OFF ANTI CAR- JACKING:**

Turn the ignition switch from OFF to ON, and within 10 seconds push valet switch, the siren will stop and the system disarmed

**Note:** If you use password pin code to double protect the vehicle security, you will need to use it to completely disarm the system.

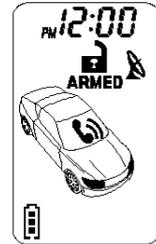
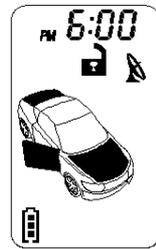
## P. SYSTEM'S TRIGGER CHECK (For two-way transceiver operation only)

Press the transceiver **F** button first, within 3 seconds press  (**C**) button. It responds with one melody sound and all trigger's records will immediately be displayed on the LCD screen.



## Q. SYSTEM'S STATUS CHECK (For two-way transceiver operation only)

When you want to check the system's present status through the LCD screen, press the transceiver **F** button twice. Within 3 seconds press  (**C**) button. It will respond with one melody sound. The LCD screen should be illuminated.



## R. DRIVER PAGING (For two-way transceiver operation only)

It is useful the event that someone wants to page the driver of the parked vehicle.

### Indoor Driving Paging

With ignition switch "OFF", press and hold valet switch for 2 seconds to page driver, one chirp sound shall be emitted from vehicle and paging melody sound continues on your remote LCD transceiver and "📶" indication flashes on LCD screen.

### Outdoor Driving Paging

If someone tries to page you by tapping the paging (knock) sensor (optional), usually mounted on the bottom part of front window, the paging melody sound continues sounding from your Remote LCD transceiver and "📶" indication flashes on the LCD screen.

1. Press the transmitter **F** button first, within 3 seconds press 📶 (📶) button to activate outdoor driver paging function, It responds with chirps of the vehicle, a melody so and "📶" indication flashes on the LCD screen to confirm the function is on.
2. When tapping the paging (knock) sensor, one chirp sound shall be emitted from the vehicle and the paging melody sound continues sounding from your remote LCD transceiver and "📶" indication flashes on the LCD screen.
2. Turn on the ignition switch; OR press the 📶 button to arm the system; OR press 📶 button to disarm the system, this outdoor driver paging function will exit.

## S. DOME LIGHT CONVENIENCE DELAY & SUPERVISION

The alarm has a unique feature that will turn on your vehicle dome light as following:

1. Upon disarming, the interior lights will remain on for 30 seconds.
2. If the vehicle is intruded, the interior 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.

## T. IGNITION CONTROL POWER DOOR LOCK SAFETY SYSTEM. (See Feature II – 3 Programming.)

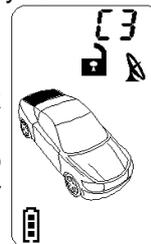
1. Turn the ignition switch on and close all the vehicle's doors. After 3 seconds, the system will automatically lock the central locking system.
2. Turn the ignition switch off. The system will automatically unlock the central locking system.

## U. TRUNK RELEASE (Factory default setting) / CHANNEL 3 TIMER CONTROL OUTPUT. (See Alarm Feature III – 3 Programming.)

Press and hold 🚗 button on transmitter for two seconds to remote control the trunk release or other electric devices.

Channel 3 is user-programmable timer output. You may program the built-in timer to send a ground signal for any time interval between 1 second and 2 minutes. For instance, timer output may be used to turn on headlights, power windows, or sunroof.

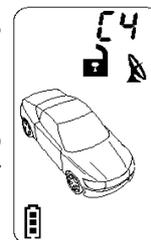
Note: Factory default setting at 1-second pulse grounded for trunk release output.



## V. CHANNEL 4 TIMER CONTROL OUTPUT (See Alarm Feature III- 4 Programming)

Press transmitter 📶 and 🚗 buttons at same time to active Channel 4 function. Channel 4 is user-programmable timer output. You may program the built-in timer to send a ground signal for any time interval between 1 second and 2 minutes. For instance, timer output may be used to turn on headlight, power windows, or sunroof.

Note: Factory defaults setting at momentary output.



## W. POWER ON MEMONRY:

This security system is equipped with circuitry that will allow the unit to remember its alarm state if the power is lost and then reconnected.

## X. ALARM UPGRADE

This unit is capable of being upgraded to an alarm system so as to detect if a thief is trying to open a door, the hood, or the trunk and has an input for a shock sensor to detect impact to the vehicle by a thief. If you would like to upgrade this unit to an alarm system, please contact your authorized reseller.

## REMOTE START OPERATION:

### A. TO REMOTE START THE VEHICLE:

1. Press \* button twice on the transmitter.
2. The parking light will activate to indicate the remote start received the signal. (A melody sounding from your Remote LCD transceiver and IGN icon will flashes on the LCD screen to confirm the remote start was activated).
3. The engine will start approximately 5 seconds.
4. Once the engine is running, after couple seconds the parking light will turn on again and climate controls will activate and adjust the vehicles interior temperature to your preset setting (While the vehicle is running, the RUNNING icon on the LCD screen will flash and it will indicate countdown timer based on the 5, 10, 20 or 30 minute run time set up by your installation center).
5. The vehicle will run for 5 to 30 minute cycle and automatically shut down. (When the unit shuts off the countdown timer will turn off and the transmitter will play a melody.)

**Note:** The Remote Start Unit will not start the vehicle if any one of the following conditions exists:

1. The hood is opened.
2. The brake pedal is pressed.
3. Move the optional remote start enable toggle switch to OFF position. (If installed)
4. The gear selector is in any gear other then "PARK" or "NEUTRAL"

### SAFE START (Child Safety Mode) (See Start Feature 1 – 5 Programming)

Factory defaults setting to press the \* button twice on the transmitter to start the vehicle. Programming this feature to eliminate accidental remote start, when kids enter this transmitter, the user presses the transmitter  and \* buttons at the same time to start the vehicle.

### B. TO OPERATE THE VEHICLE WHILE RUNNING ON THE REMOTE START:

To operate the vehicle while the remote start is running vehicle engine.

Insert the ignition key and turn it to "ON" (not the start) position.

Press the brake pedal.

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

### C. TEMPORARY STOP FEATURE:

This feature allows the vehicle to remain running after the key has been removed from the ignition. 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 motor running and the climate 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 enter.
2. Turn the ignition key to OFF position. (The engine will stay running.)
3. The engine will run until the pre-programmed time elapsed or shutdown input is received.

### E. TURBO TIMER MODE: (See Start Feature "1 - 6" Programming)

Turbo 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. To activate:

1. While engine is running, place the transmission gear in park position and pull up the hand brake.
2. Before turning off the engine, press and release  and \* buttons at the same time.  
-- The parking light wills turn on to indicate the remote start has entered turbo charge mode. --
3. Pull off the "Ignition Key" turn on the key cylinder.  
-- Engine keeps running. --
4. Exit and secure the vehicle.  
-- Engine continues running until the pre-programmed time elapsed. --

### F. TIMER START: (See Start Feature "1 - 7" Programming)

This unit can be programmed to start and run the engine every 3 (2) hours. The engine will run for the programmed running 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 as a garage or carport.

Feature is design for an extreme cold climate usage. The system will auto start the vehicle every 3 (2) hours, to prevent engine freezing and hard to start. **MAXIMUM OF SIX CYCLES CAN OCCUR.**

**ENTER:**

1. Press the \* button twice to remote start the vehicle. As soon as the vehicle is running and the parking light have turned on or flashing.
2. Immediately, depress the button once, within 2 seconds
3. Rapidly depresses the \* button. The parking light will flash (3) times. The siren or horn chirps (3) times. The vehicle is now programmed to start every 3 (2) hours.
4. Press the brake pedal to stop the vehicle running.

**Exit the timer start:**

Timer start can be exited manually as follows:

Make sure the remote start system is not operating the engine.

2. Turn the ignition on. The LED and parking light will flash (4) times. The horn chirps (4) times. Or
1. Press the \* button twice to remote start the vehicle. As soon as the vehicle is running and the parking light have turned on or flashing.
2. Immediately depress the button then press and hold the \* button for 2 seconds. The parking light will flash (4) times. The siren or horn chirps (4) times. The vehicle is no longer programmed to start automatically.

**G. TO TURN OFF THE REMOTE START:**

When the engine is running (by remote start), if you want to stop it:

Press \* button twice on the remote transmitter under remote start mode.

Move the optional remote start enable toggle switch to OFF position. (If installed).

Press the brake pedal.

The vehicle will shut down and turn off the parking light to indicate engine stopped.

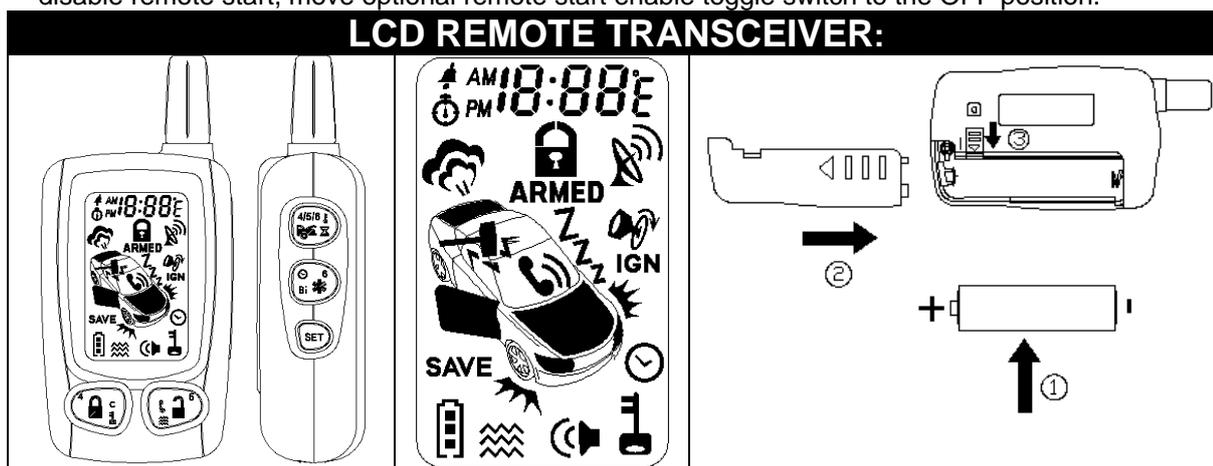
**H. SHUT-DOWN INPUT FOR REMOTE STARTER:**

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

1. The hood is opened.
2. The brake pedal is pressed.
3. Engine is over-revved {"Tachometer checking type" only}.
4. The pre-programmed run time (5/10/20/30 minutes) has elapsed.
5. Press \* button twice on the remote transmitter under remote start mode.
6. Move the optional remote start enable toggle switch to OFF position (If installed).
7. The vehicle refused to start running after {3} unsuccessful attempts.

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

Allows your system's remote start unit to be temporarily disabled to prevent vehicle from being remote started accidentally. Useful if vehicle is being serviced or stored in enclosed area. To disable remote start, move optional remote start enable toggle switch to the OFF position.



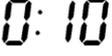
Note: If system is interfered by stronger radio frequency around, sources of high voltage electric power, or such obstacles like tall buildings and so on, transmission range may get shorter as system uses low output powered frequency.

## A. BATTERY REPLACEMENT:

1.5V type AAA Alkaline battery powers remote transceiver. When power of battery weakens,  icon shall be displayed on LCD screen. When old battery is replaced with new one, there will be beep sounds indicating power is up and clock on LCD screen returns to **AM12:00** after displaying all icons. Correct time by pressing **SET** for 3 seconds before using (See Timer Setting).

**Note:** Press  button two times when battery compartment is empty and insert new battery.

## B. REMOTE LCD ICONS WITH FUNCTION:

	<b>Door Lock</b> Your vehicle doors are locked		<b>Door Unlock</b> Your vehicle doors are unlocked and the system is disarmed
<b>ARMED</b>	<b>Armed Mode</b> Your vehicle is in armed mode		<b>Valet Mode</b> All the function shall be temporarily on hold.
	<b>Remote Transmission</b> You are transmitting the signal to control unit		<b>In – Range Indicator</b> You are within the remote control range.
	<b>Door Open Warning</b> Doors are illegally opened (Zone 3)		<b>Trunk/Hood Trigger</b> Trunk or Hood is illegally opened (Zone 2)
	<b>Shock Sensor Trigger</b> Trigger on Shock Sensor (Zone 4)		<b>Warn Away trigger</b> Trigger on Shock Sensor (Zone 1)
	<b>Time Monitor</b>		<b>Alert Alarm</b> You have set morning call alarm
	 <b>Count Down Timer</b> Reminder when time is up for parking	<b>SAVE</b>	<b>Power Save Mode</b> Save the battery power
	<b>Vibration Mode</b> Remote Control vibrates when the system is triggered		<b>Button Lock</b> Disable the transmission function temporarily
	<b>Driver paging</b> Someone is paging you in front of your vehicle		<b>Low Battery</b> You have to replace the battery of remote control.
	<b>Ignition Trigger</b> Trigger on Ignition Switch (Zone 5)		<b>Engine Running</b> Your vehicle's engine is running

## A. PROGRAMMING OF THE LCD REMOTE TRANSMITTER:

Transmitter Button	Description	Operation
<b>F</b> (1 second)	LCD screen lamp turns on for 5 seconds.	Press and hold for 1 second 1 melody sound to confirm enters.
<b>F</b> (3 seconds)	Timer Programming Mode	Press and hold for 3 seconds 2-melody sounds to confirm enter.
<b>F</b> (5 seconds)	Power Save Mode	Press and hold for 5 seconds 1 melody sound to confirm enters.
<b>F - F - F</b>	Clear the Flash Icon and Melody Sound on the LCD Screen Transmitter	Press within 3 seconds
<b>F - </b> (2-second)	Button Lock (  ) enable / disable	Press within 3 seconds
<b>F - </b> (2-second)	Melody / Vibration (  ) Mode	Press within 3 seconds
<b>F - </b> (2-second)	Program Count Down Timer (  )	Press within 3 seconds cycling leave the buttons starting

	(10-Minute / 20M / 30 M /1Hour /1.5H / 2.0H)	countdown then 🕒 flashes
<b>F - *</b> (2-second)	Enable / Disable Bi Sound <b>(Bi)</b> While Pressing Button	

1. **Screen Lamp ON:** Press and hold the **F** button for one second, the melody will sound and the LCD screen lamp will turn on for 5 seconds.

2. **Power Save Mode:** While in power save mode, the LCD remote transceiver uses “0” current to save battery power.

**Entry:** Press & hold **F** button for 5 seconds. There will be one melody sound and the **SAVE** icon will stay on the LCD screen to indicate entry of “power save mode”.

**Exit:** Press any button of the LCD remote transmitter to exit “Power Save Mode”.

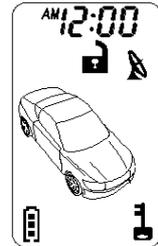


3. **Clear the Flash Icon and Melody Sound:** Pressing the **F** button 3 times within 3 seconds will clear the flashing icon and melody sound on the LCD screen transceiver

4. **Stop The Trigger Melody Sound:** While triggering the alarm the LCD screen will alert user through melody sound and flashing trigger icon. Press any button on the LCD remote transmitter to stop the melody sound only.

5. **Button Lock:** Useful if you want to disable the transmission function of the remote control temporarily to prevent from any inadvertent pressing of buttons by others.

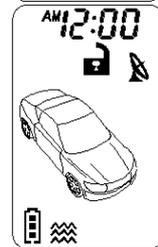
Press the **F** button first, within 3 seconds press and hold the 🗝️ (🔒) button for 2 seconds to activate or cancel the button lock function. The 🗝️ icon will be displayed on the LCD screen to show the LCD remote transmitter is on “Button Lock”.



### 6. Vibration / Melody Mode:

Useful when you are in a noisy place and difficult to hear beep sounds from the remote control. In this mode, the remote control vibrates itself if your security system is triggered.

Press the **F** button first, within 3 seconds press and hold the 🗝️ (🔊) button for 2 seconds to select the mode of vibration or melody, the 🔊 icon will be displayed on the LCD screen to show the LCD remote transceiver is on vibration mode.



### 7. Enable / Disable Bi Sound While Pressing Button:

There is a short “bi” sound while pressing the button of the LCD screen transceiver

If you want to mute the “bi” sound when you press a button, press the **F** button first, within 3 seconds press and hold the **\* (Bi)** button for 2 seconds to disable the “bi” sound.

### 8. Low Battery Indication:

When the power of the battery weakens, it has two short “bi” sounds and flash 🔋 icon while pressing a button on the LCD screen transceiver.

### 9. Set Up Fixed Count Down Timer:

1. Press the **F** button first, within 3 seconds press and hold the 🚗 (🕒) button for 2 seconds, the LCD screen will show 🕒 icon and timer (i.e. 0:10),

2. Press the 🚗 (🕒) button again showing next order time on the screen (i.e. 0:20), press them again (i.e. 0:30).....and so on.

3. Leave the buttons starting countdown then 🕒 icon flashes

**Note:** 1.The countdown period is fixed as 10 minutes, 20 minutes, 30 minutes, 1 hour, 1.5 hours, and 2 hours maximum. When countdown timer showing 0:00 means to turn off the timer. Press **F** button for real time indication when the timer is counting down.

### 10. Out Of Range Indication:

The system will automatically check the range every 20 minutes after armed.

1. If user is within the range, the 📶 icon will display on the LCD screen.

2. If user is out of range, it has five short “bi” sounds and 📶 icon will disappear on the LCD screen.

## B. TIMER SETTING:

	Transceiver Button	Description	Press Transceiver Button
1	Press & Hold the <b>F</b> button for 3 seconds	<b>Timer Setting</b> (Hour) *Flash digit for adjusting	* for – and  for +
	Press the <b>F</b> button once	Time setting (Minute) *Flash digit for adjusting	* for – and  for +
2	Press the <b>F</b> button once.	<b>Alert Alarm Time Setting</b> (Hour) *Flash digit for adjusting	* for – and  for +
	Press the <b>F</b> button once	Alert Alarm Time Setting (Minute) *Flash digit for adjusting	* for – and  for +
	Press the <b>F</b> button once	Alert Alarm Setting ON / OFF	* for <b>OFF</b> and  for <b>ON</b>
3	Press the <b>F</b> button once	<b>Count Down Timer Setting</b> (Hour) *Flash digit for adjusting (Max.19 hours 59 minutes)	* for – and  for +
	Press the <b>F</b> button once	Count down Timer Setting (Minute) *Flash digit for adjusting	* for – and  for +
	Press the <b>F</b> button once	Count down Timer Setting ON / OFF	* for <b>OFF</b> and  for <b>ON</b>

EXIT: Press and hold the **F** button for 2 seconds or leave it for 10 seconds.

### 1. Timer Setting: Example to 10:30 AM

1. Press & hold **F** button for 3 seconds, with two-melody sound, “Hours” digit flashes for adjusting.
2. Press the \* or  button to decrease or increase the “Hour” digit until AM10:xx
3. Press the **F** button once again then the “Minute” digit flashes for adjusting.
4. Press the \* or  button to decrease or increase the “Minutes” digit until AM 10:30
5. Press the **F** button for 2 seconds with one-melody sound to confirm exit the timer program mode.

### 2. Alert Alarm Timer Setting: Example to 6:30 PM

1. Press & hold **F** button for 3 seconds, with two-melody sound, “Hours” digit flashes for adjusting.
2. Press the **F** button twice, LCD screen will shows  icon and “Hours” digit flashes for adjusting.
3. Press the \* or  button to decrease or increase the “Hour” digit until **PM 6:xx**
4. Press the **F** button once again then the “Minutes” digit flashes for adjusting.
5. Press the \* or  button to decrease or increase the “Minutes” digit until **PM 6:30**
6. Press the **F** button once again then  icon flashes for alert alarm “ON / OFF” setting
7. Press the  button to start “Alert Alarm Timer” and “ON” icon will show on LCD screen. Press the \* button to stop “Alert Alarm Timer” and “OFF” icon will show on LCD screen.
8. Press **F** button for 2 seconds with one-melody sound to confirm exit the timer program mode.

### 3. Count Down Timer Setting: Example Set Countdown Timer at 2:30

1. Press & hold **F** button for 3 seconds, with two-melody sound, “Hours” digit flashes for adjusting.
2. Press the **F** button 5 times, LCD screen will show  icon and “Hours” digit flashes for adjusting.
3. Press the \* or  button to decrease or increase the “Hour” digit until **2:xx**
4. Press the **F** button once again then the “Minutes” digit flashes for adjusting.
5. Press the \* or  button to decrease or increase the “Minute” digit until **2:30**
6. Press the **F** button once again then  icon flashes for alert alarm “ON / OFF” setting
7. Press the  button to start countdown timer, and the “ON” icon will show on the LCD screen. Press the \* button to stop countdown timer, and the “OFF” icon will show on the LCD screen.
8. Press the **F** button for 2 seconds with one-melody sound to confirm exit the timer program mode.

**Note:** Maximum is 19 hours.

This device complies with part 15 of the FCC rules. Operation is subject to the following two 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.



