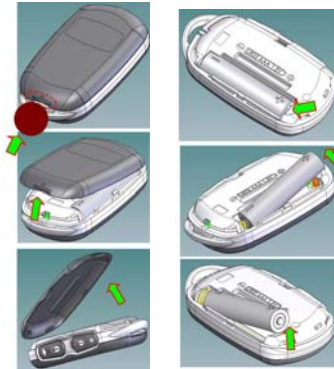


REMOTE ENGINE STARTER WITH ALARM SYSTEM

OWNER'S MANUAL



A. BATTERY REPLACEMENT:

This system needs no specific maintenance beyond remote control battery replacement. The 2-way remote is powered by a 1.5V AAA battery. The 1-way remote is powered by a 3V, CR2032 battery

Battery Level Indicator (2-way remote)

The Battery Level indicator has three level indicators that serve as a visual indication of battery charge. When the battery reaches a low charge level that requires replacement, the remote control will generate a single notification chirp, and the Battery Level indicator  will flash continuously.

Gently pull the end of the battery door away from the top of the remote control then slide the door up to expose the battery and remove the expired battery. Place the new battery into the remote. When power is returned the remote control will display all icons in the LCD and generate all beeper tones once. Press any button on the remote to terminate the beeper tone review.

B. STANDARD LCD ICON CONFIGURATIONS:



The lock icon will be displayed when the door locked.



The unlock icon will be displayed when the door unlock



Valet Mode

Remote start and alarm functions shall be temporarily on hold.



Hidden Alarm Mode

The security system arm with hidden alarm function



Hood Trigger

Hood is illegally opened (Zone 1)



Trunk Trigger

Trunk is illegally opened (Zone 2)



Door Open Warning

Doors are illegally opened (Zone 3)



Sensor Trigger

Trigger on Sensor 1 (Zone 4)

**Ignition Trigger**

Ignition switch is illegally turned on (Zone 5)



System trigger

**Remote Transmission**

You are transmitting the signal to control unit

**In – Range Indicator**

You are within the remote control range.

**Anti Car-Jack Mode**

Activate the anti car-jacking mode



2nd Car Operation

**Engine Cranking**

Your vehicle engine Cranking by remote control

**Engine Running**

Your vehicle's engine is running

**Timer Control Start**

Engine start automatically every 2 or 3 hours.

**Daily Start**

Engine start automatically at the same time next day

PASS 1

Sensor Bypass

Sensor 1bypass under Arm mode

**Turbo Timer**

Turbo timer was set up

**Manual Gear**

Engine Start Memorizing for the car with manual gear was set up



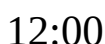
Activate Channel 3 (Trunk Release).



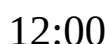
Activate Channel 3



Activate Channel 4



Time Monitor



Alarm Clock

You have set morning call alarm



Parking Meter

Reminder when time is up for parking



Low Battery

You have to replace the battery of remote control.



Melody Mode

Remote Control alert user through melody sound



Vibration Mode

Remote Control vibrates when the system is triggered

C. 2-way LCD REMOTE CONTROL TRANSCEIVER OPERATION:

Table 1:

Enter : Press & hold " F " button until one beep, release F-button and continue press F button within 5 sec. to move forward to feature option you want to program.

EXIT: Press & hold " F " button for 2 sec. or do nothing wait for 5 sec. automatic exit 2-way LCD (1 beep) => Confirm Exit.

F Button	LCD Display	Button
Press and hold the F Button until 1 beeps sound	<u>SENSOR</u> <u>BYPASS</u> and PASS 1 icon On	Press  button Enable to arm the alarm and bypass sensor 1.
Press F Button 2nd time (HHU 1 beep) within 5 seconds	<u>HIDDEN</u> <u>ALARM</u> and  icon On	Press  button Enable to arm system and with Hidden Alarm Function.

Press F Button 3rd time (HHU 1 beep) within 5 seconds	ANTI- HIJACK and  icon On	Under ignition in "on" position Press  button Enable to activate anti car jacking functions.
Press F Button 4th time (HHU 1 beep) within 5 seconds	CH 4 flashing	Press  button Enable CH#4 output

Note : Press and release **F** Button 2-way LCD Backlight turns on for 5 seconds

Table 2 :

Enter : Press & hold " F " button until 2 beeps heard, release F-button.

Continue press F button within 5 sec. to move forward to feature option you want to program.

EXIT: Press & hold " F " button for 2 sec. or do nothing wait for 5 sec. automatic exit
2-way LCD (1 beep) => Confirm Exit.

F Button	LCD display	Button
Press and hold the F Button until 2 beeps sounded	MENU flashing	Press  button to enter 2-way HHU menu mode
Press F Button 2 nd time (HHU 1 beep) within 5 seconds	STATUS CHECK	Press  button Enable to check the vehicle's status.
Press F Button 3rd times (HHU 1 beep) within 5 seconds	ALARM CHECK	Press  button Enable to check vehicle's trigger status.
Press F Button 4th times (HHU 1 beep) within 5 seconds	VOLTS CHECK	Press  button Enable to check vehicle's Voltage.
Press F Button 5th time (HHU 1 beep) within 5 seconds	TEMP CHECK	Press  button Enable to check temp. status

Table 4 : Return 2-way HHU to default setting

Enter : Press & hold " F " button until 4 beeps heard, release F-button.

EXIT: Press & release " F " button or do nothing wait for 5 sec. automatic exit
2-way LCD (1 beep) => Confirm Exit.

F Button	LCD display	Button
Press and hold the F Button until 4 beeps sounded	RESET flashing	Press & hold  button for 2 seconds to back to default setting and 1 chip for confirm

D. 2-way LCD HHU PROGRAMMING (Select and Adjusting Table-2-Menu options):

Enter:

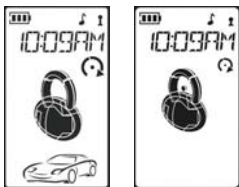
1. Press and hold **F** button until 2 beeps heard then release the **F** button.
2. The Matrix show **MENU** flash, press  button to enter HHU menu mode.
(LCD display show Hours of current time set up, set up hour(s) first.)
3. Press  button to increase value, or Enable the selected feature.
4. Press  button to decrease value, or Disable the selected feature .
5. Press  button to confirm its selection, move to the next option.

EXIT: Press & hold " F " button or do nothing wait for 15 sec. automatic exit
2-way LCD (1 beep) => Confirm Exit.

Order	Menu Option	LCD display	Functions
1	Current time set up	CLOCK	Default is 12:00
	Adjust clock hours from 0 to 12	12 : 00 12 is flashing	Press  button = (+) or Press  button = (-) Press  button confirm its selection, move to next option.
	Adjust clock minutes from 0 to 59	12: 00 00 is flashing	Press  button = (+) or Press  button = (-) Press  button confirm its selection, move to next option.
2	Alarm Clock set up	ALARM CLOCK	Default is OFF
	Adjust Alarm Clock hours from 0 to 12	12 :00 12 is flashing	Press  button = (+) or Press  button = (-) Press  button confirm its selection, move to next option.
	Adjust Alarm Clock minutes from 0 to 59	12: 00 00 is flashing	Press  button = (+) or Press  button = (-) Press  button confirm its selection, move to next option.
	Select Alarm Clock Enable or Disable	ON +  or OFF	Press  button = Enable or Press  button = Disable Press  button confirm its selection, move to next option.
3	Parking Meter countdown	PARK METER	Default is OFF
	Adjust Parking Meter countdown hours from 0 to 2	0 :00 0 is flashing	Press  button = (+) or Press  button = (-) Press  button confirm its selection, move to next option.
	Adjust Parking Meter countdown minutes from 0 to 59.	0 : 30 30 is flashing	Press  button = (+) or Press  button = (-) Press  button confirm its selection, move to next option.
	Select Parking meter countdown Enable or Disable	P-- ON +  or P -- OFF	Press  button = Enable or Press  button = Disable Press  button confirm its selection, move to next option. There is a beep sound at 5 min. before Parking countdown reach 0.

4	Power Save	POWER SAVE	Default is OFF
	Select Power Save Enable or Disable	ON +  or OFF	Press  button = Enable or Press  button = Disable When power save enable, the LCD remote transceiver uses “0” current to save the battery power. LCD show “Save” on text area Exit: Press any button of LCD remote to exit the “Power Save Mode”. Press  button confirm its selection, move to next option.
5	2-way HHU Response mode	<u>BZZZER</u> or <u>VIBRO</u>	Default is Buzzer
	Select 2-way HHU confirmation by Melody or Vibration	<u>BZZZER</u> +  or <u>VIBRO</u> +  or <u>BZ+VIB</u> +  + 	Press  button = Melody or Press  button = Vibration Press  button confirm its selected, move to next option.
6	Second Car Security Option	CAR SELECT	Default is CAR 1
		<u>CAR 1</u> or <u>CAR 2 (II icon On)</u>	 - CAR 1 operation.  - CAR 2 operation (II icon On mean 2nd car operation).
7	Illumination Menu	ILLUM	Default is OFF
		3 SEC. or 5 SEC. or OFF	 ,  Basic operation with backlight Illumination 3 SEC. or 5 SEC.; OFF – basic operation without backlight illumination.
8	Key Lock	KEY LOCK	Default is OFF
		Key lock enable or disable	Press  button = Enable or Press  button = Disable
9	CAR LCD*	CAR LCD	Default is OFF
		LCD display show car icon or not	Press  button = Enable or Press  button = Disable
10	(Time adjust for Daily Start mode)	 icon flashing	Default is OFF
	1 -12	12 : 00 12 is flashing	 ,  - Program Daily start hour Press  button = (+) hours increase or Press  button = (-) hours decrease
	0 - 59	12 : 00 00 is flashing	 ,  - Program Daily start minute Press  button = (+)minutes increase or Press  button = (-)minutes decrease

* Car LCD icon is programmable show car icon on LCD display always or appear it needed as below.
(system trigger / valet mode / zone ajar/ anti car-jacking mode Car LCD will show on LCD display).



Remote start Quick feature programming

Enter : Press & hold "F" button until 3 beeps heard, release "F" button LCD highlight flashing  icon first, press and release "F" button to move blinking cursor to the desired icon which you want to program. Press  button means Enable, 2-way LCD HHU

Note:

Cursor method: a constant illumination mean the selected feature enable.

Exit : Press & hold "F" button for 2 sec. or do nothing wait for 5 sec. automatic exit
2-way LCD (**1 beep**) => Confirm Exit.

F Button	LCD display	 Button
	 Manual gear reservation Icon flash	 Icon stay On = Enable Icon Off = Disable.
Press and hold the F Button until 3 beeps sounded	 Turbo Timer icon flash	Press  button Enable Turbo mode  Icon stay On = Enable Icon Off = Disable
Press & Release "F" button to move cursor flash to Daily Start icon	 24 Daily start icon flash	Press  button Enable Daily start mode.  24 Icon On = Enable Icon Off = Disable
Press & Release "F" button to move cursor flash to TIME START icon	 Timer start icon flash	Press  button Enable Timer Start mode.  Icon On = Enable Icon Off = Disable

OPERATION:

A. REMOTE TRANSMITTER OPERATION:

Transmitter Button	System Function	Remark
	Lock Doors & Arm System	
	Panic function	Press and Hold for 3 seconds
	Car Locator	Under armed mode
 . 	Arm and Delete The 2 Stage Shock Sensor	Press  twice within 3 seconds
 . 	Arm System and Hidden Alarm Function	Press within 3 seconds and Hold  button for 2 seconds
 + 	Silent Arming / Disarming	Ignition in "off" position.
 + 	Active Anti Car-Jacking Mode	Ignition in "on" position press and hold for 2 seconds
	Unlock Doors & Disarm System	
 . 	Two Steps Door Unlock & Disarm System	Press twice within 3 seconds.
	Trunk Release (Channel 3)	Press and Hold for 2 seconds
 . 	Passive Arming By-pass	While the system Disarmed.

	Activate or Turn Off The Remote Start	Press button once.
+	Channel # 4 Timer Output (4)	Optional
+	Switching code For 2nd Car Operation.	For regular XT-37 remote transmitter Only

B CHIRP INDICATORS:

Chirp	Function
1 chirp	Arm
2 chirps	Disarm
3 chirps	Defective Reminder
4 chirps	Disarm / Triggered
6 chirps	Car Locator

C. PARKING LIGHT:

Parking light	Function
1 flash	Arm
2 flashes	Disarm
3 flashes	Disarm / Triggered
12 flashes	Car Locator
Constant On	Under Remote Start

D. ALARM 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		Unlocking		Turns on for 30-second
3. Trigger	Alarming	Flashes	Slow Flash		Disable	Flashes
4. Passive Starter Disable			Fast Flash		Disable	
5. Panic	Alarming	Flashes				Flashes
6. Car-Jacking	Alarming	Flashes			Disable	Flashes
7. Car Locator	6 Chirps	12 Flashes		Locking		

E. 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's doors will lock upon arming if interfaced with the security system.

DEFECTIVE SENSOR REMINDER: If the siren sounds 3 chirps and parking light flash one time, then you have left a door, trunk, or hood lid ajar.

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

SENSOR BY-PASS:

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.

Sensor By-Pass:

By 2-way HHU operation Table – 1 PASS 1 icon on, or press the button two times within 5 seconds will arm the security system and Bypass sensor 1 (zone 4 shock sensor).

HIDDEN ALARM FUNCTION:

By 2-way HHU operation Table -1-2 icon on, Or by remote operation 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. Alarm indication will only appear on the LCD.

F. PASSIVE ARMING

Active arming / disarming is controlled by 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 all vehicle 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.

PASSIVE ARMING WITH PASSIVE DOOR LOCKING

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

PASSIVE ARMING BY-PASS: While the system is disarmed, Press the button twice, the system will respond with [1] chirp and LED will turn “ON”. The security system will remain in this temporary state for as long as you wish.

To exit passive by-pass, press the transmitter or buttons and the system will return to normal status.

G. ACTIVE DISARMING – UNLOCK & DISARM:

1. Press button on the transmitter.

2. The siren will chirp twice and the parking lights will flash twice indicating that the security system is now disarmed. The vehicle's doors will unlock and the dome light will turn on for 30 seconds upon disarming. (Note: Power door locks and dome light must be installed with the security system.)

TAMPER DISARMING: If the alarm is triggered upon disarm, the system's siren will chirp 4 times, and the parking lights will flash 3 times.

PATHWAY ILLUMINATION: When receiving an unlock /disarm signal, this feature will turn the parking lights "ON" for 30 seconds and for 10 seconds upon the lock signal.

TWO STEPS DOOR UNLOCK: This feature will independently unlock the driver's door only when disarming the security system. Pushing the  button a second time within 3 seconds will unlock the other doors.

AUTOMATIC RE-ARM: If this feature is selected, the security system will automatically re-arm itself in 60 seconds after disarming with remote transmitter. Automatic rearm will cancel if any door is opened before the 60 seconds timer has elapsed.

H. DISARMING WITHOUT A TRANSMITTER

OVERRIDES 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.
2. (Alarm will sound.)
3. Within 10 seconds push and release the valet switch. The 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:

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 'ON' position. (Alarm will sound.)
2. Within 5 seconds, enter your chosen first digit code by pressing and releasing the Valet Switch. (When finished above procedures, system's siren will stop alarming, lights will stop flashing, but the vehicle can't be started.)
3. Within 15 seconds of the last digit code enter (the 1st code), then turn the Ignition Switch "OFF" and then "ON".
4. Within 15 seconds, enter your chosen second digit code by pressing and releasing the Valet Switch.
5. Turn the ignition switch "OFF" position. 4 Chirps from siren/horn and 3 flashes from the parking light indicate the system has disarmed.

Note : 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,

1. Enter the vehicle and turn the ignition switch to the 'ON' position. (Alarm will sound.)
2. Within 5 seconds, Press and Release the Valet Switch 8 times, (When finished the system's siren will stop alarming, lights stop flashing, but the vehicle can not be started or driven away.)
3. Within 15 seconds of entering the last digit code enter (the 1st code), turn the Ignition Switch "Off" and then "ON".
4. Within 15 seconds, Press and Release the Valet Switch 3 times.
5. Turn the Ignition Switch to the "Off" position. 4 Chirps from siren/horn and 3 flashes from the parking lights will indicate the system has disarmed.

I. VALET MODE:

VALET MODE: (System in Disarm)

The valet switch allows you to temporarily bypass all alarm function, 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 start 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.

Get into/out valet mode using the ignition key.

Enter Valet Mode:

- a). Under disarm mode, turn the ignition to "ON" position.
- b). Press and hold valet switch for 2 seconds until the LED turns on. The LED will remain on as long as the system is in 'valet mode'.

Exit Valet Mode:

- a). Turn ignition 'on'.
- b). Push and hold valet switch for 2 seconds, The LED will turn off indicate the system are exiting the valet mode.

J. CAR LOCATOR

Under armed mode, press the  button to active car locator function. The siren will chirp 6 times. The parking light will flash 12 times, for you to easily locate your car.

K. PANIC FUNCTION:

The transmitter can be used as a remote panic switch to manually trigger the alarm in case of 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 disabled. The transmitter  and  buttons can be used to lock and unlock the door (if the option is installed), however once the  button is pressed, the vehicle's starter disable device, (where installed) will be disengaged allowing the vehicle to start.

3. To stop the alarm, press and hold the transmitter  or  button on the transmitter again 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 alarm will automatically stop after 30 seconds.

L. TRIGGER THE SYSTEM

When armed, your vehicle is protected as follows:

Light impact will trigger the warn-away signal.

Heavy impacts / Doors open / (if installed) Hood open / (if installed) 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 alerting of an intrusion for 30 seconds. Then it will stop and automatic reset and re-arm. If the any one of the sensors or detectors is still active, the alarm system will sound a maximum of 3 times of 30 seconds cycles

NOISE ABATEMENT CIRCUIT: Your system has a "Noise Abatement Circuit". It prevents annoying repetitive trigger sequences due to faulty door pin switches or environmental conditions 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 has triggered the alarm; the "Noise Abatement Circuit" will interpret this pattern of triggers as a false alarm. After the third trigger, the "Noise Abatement Circuit" ignores, or bypasses, that sensor or switch until a different sensor or switch is trigger.

"Noise Abatement Circuit" covers doors (Hood/Trunk) differently: If the alarm is triggered by an open door for 3 full cycles, the doors will be bypassed until the trigger ceases.

M. ANTI HI - JACKING

Warning: If you don't need the car jacking function in this alarm system, be sure to set car jacking feature "OFF". This system is default setting all cars jacking "OFF".

ACTIVE ANTI CAR JACKING:

1. Under ignition on press **F** button four times while "CAR JACK" flash on text area (see Table 1), then press  button for 2 seconds to activate Anti Car-Jacking mode or Under ignition on press and hold the  and  buttons at the same time for 2 seconds. The parking lights will turn on for 1.5 seconds to indicate the system enter the anti car-jacking mode.
2. Once the system is in anti car-jacking mode, the system will be triggered when the door is opened and closed while the ignition is "ON".

PASSIVE ANTI CAR- JACKING:

It will operate as noted below:

1. Turn the ignition switch to the "ON" position and the system will arm.
2. Once the system is armed, 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 second period of chirping, you will be alerted to push the valet switch once to turn off the car-jacking feature. If not, it will enter a second timer for car jacking.
- c). 65 seconds after the system has been triggered, the siren will start sounding and the parking lights will start flashing.
- d). 90 seconds after the system has been triggered,
 1. The siren will sound and the parking lights will flash, 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.

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

By Table – 2, press and hold **F** button of LCD remote until 2 beeps heard, release and re-press **F** button 2 more times, the LCD display show "ALARM CHECK " on text field (see Table 2), then press  button to activate system trigger check.

Note: If it has no response then you are out of range.

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

By Table – 2 press and hold **F** button of LCD remote until 2 beeps heard, release and re-press **F** button one more time, the LCD display show "STATUS CHECK " on text field (see Table 2) then press  button to activate system status check.

Note: If it has no response then you are out of range.

P. DRIVER PAGING / LOSE & FOUND (For two-way transceiver operation only)

It is useful the event that someone wants to page the driver of the parked vehicle or someone cannot find his LCD remote transceiver.

Under the ignition switch "off" condition, press and hold the valet switch for 3 seconds to page the driver, one chirp sound shall be emitted from the vehicle and the paging melody sound continues sounding from you Remote LCD transceiver.

Q. DOME LIGHT CONVENIENCE SUPERVISION (Optional Feature)

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

1. Upon disarming, the interior light 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.

R. IGNITION CONTROL DOOR LOCK/UNLOCK. (Programmable Feature)

If the vehicles door locks have been interfaced to the security system, the system will automatically lock the vehicle's doors when the ignition is turned "ON" and /or unlock the vehicle's doors when the ignition is turned "OFF". (Default is "OFF")

S. TRUNK RELEASE (CHANNEL 3) OUTPUT.

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

T. CHANNEL 4 TIMER CONTROL OUTPUT

By Table – 1, Press and hold **F** button of LCD remote until 1 beep sound , release and re-press **F** button 3 more times the LCD display show "**CH 4**" on text field (see Table 1) then press  button to activate channel 4 function. Or press remote transmitter  and  buttons at the 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 duration from 1 second to 120 seconds. For instance, this timer output may be used to turn on the headlight, power window or sunroof. (Factory defaults setting at 1 sec. pulse output.)

U. POWER SAVER MODE (Default OFF)

By table - 2 -1– 4 under Menu mode while "**POWER SAVE**" icon flash press  button, LCD HHU show "**Save**" unit under power save mode, the LCD remote transceiver use "0" current to save the battery power, LCD indicate "SAVE".

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

V. 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.

W. SECOND VEHICLE SECURITY OPERATION:

Your 1-way remote transmitter can be utilized to control a second vehicle security system, To program the remote control transmitter to a second vehicle, follow the instructions

* For 1-way transmitter press button  +  for 2 seconds until transmitter LED (flash 2 times) as a shift button.

1. Once shift button ( + ) is pressed the LED flash 2 times to indicate the second transmitter pin code has built-in.
2. Press any button on the remote control transmitter to control a second vehicle security system LED on Transmitter will flash 2 times indicate it's 2nd car operation no matter which button is pressed.

** For LCD transceiver – 2nd car operation:

- a. By table-2-1-6 Press and hold **F** button until 2 beeps heard, release **F** button
- b. **MENU** flash on the text field of LCD screen, press  button to enter the menu mode.
- c. Press & release  button to move down the menu to #6, CAR SELECT
- d. Select CAR 1 or CAR 2 by pressing  or  button (text field show CAR 1 or CAR 2).

X. CHECK VEHICLE'S VOLTAGE:

Press and hold **F** button of LCD remote until 2 beeps sound , release and re-press **F** button for three times, the LCD remote will show "**VOLTS CHECK**" icon flash on text area (see Table 2), then press  button to activate system Voltage check. Please note that this data is for your reference only. Please check the exact data on vehicle.

REMOTE START OPERATION:

A. TO REMOTE START THE VEHICLE:

When you want to start your vehicle,

1. Press  button once on the transmitter.
2. The parking light will activate to indicate the remote start received the signal.
3. The engine will start in approximately 5 seconds.

4. Once the engine is running, after couple seconds the parking lights will turn on and the climate controls will activate and adjust the vehicle's interior temperature to your presetting. (While the vehicle is running, the "minutes" digit on the LCD screen will flash and the will indicate count down timer based on the 5, 10, 20 or 30 minute run time set up by your installation center.)

5. The vehicle will run for a programmable 5 to 30 minute cycle before shutting down. (When the unit shuts off the count down 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. The optional remote start enable toggle is switched to the "OFF" position. (If installed)
4. The gear selector is in any gear other then "PARK" or "NEUTRAL"

SAFE START (Child safety mode)

Factory default is set to press the  button once on the transmitter to start the vehicle. You can program this feature to eliminate an accidental remote start:

1. The user presses the transmitter  buttons twice within 3 seconds to start the vehicle. or
2. The user presses the transmitter  and  button at the same time to start the vehicle.

NOTE: Contact your installing dealer to activate this feature.

B. OPERATE THE VEHICLE WHILE RUNNING FROM THE REMOTE START:

To operate the vehicle while engine running from the remote start,

1. Insert the ignition key and turn it to "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 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 once on the transmitter and the LED indicator will flash 3 times to confirm.
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.

D. TURBO CHARGE MODE:

Turbo charge mode keeps the engine running after arriving at your destination for a programmable period of 1, 3 or 5 minutes. This allows the vehicle's engine time to conveniently cool down the turbo after you have left the vehicle. To activate:

1. While the engine is running, pull up the hand brake and place the transmission gear in the park position.
2. Before turning off the engine, press and release  and  buttons at the same time.
 - The LED will flash indicating the remote start has entered the turbo charge mode  appear on LCD remote.
3. Take the "Ignition Key" from the key cylinder.
 - Engine keeps running. --
4. Exit and secure the vehicle.
 - Engine continues running until the pre-programmed time elapsed. --

Or

1. While the engine is running, pull up the hand brake and place the transmission gear in the park position.
2. Before turning off the engine, ref.2-way HHU quick feature programming (page 6) enable Turbo mode feature  turn on LCD remote.
3. Take the "Ignition Key" from the key cylinder.
 - Engine keeps running. --
4. Exit and secure the vehicle.
 - Engine continues running until the pre-programmed time elapsed. --

NOTE: This feature only applies to vehicles with Turbo Engines.

E. TIMER & DAILY START:

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 on enclosed space as a garage or carport.

Daily Timer Start: The feature is very useful for the driver who wants to run the vehicle punctually at the same time next morning. Before set-up of the "Daily Timer Start", you should pre-set the time you intend to start engine (Hour / Minutes) by Table-2 -1 -7 set up Daily start first.

TIMER START:

Enter :

1. Turn Ignition On => Off
2. After above (1) within 15 seconds, (ref. page-6 2-way HHU quick feature programming => Enable Time start.) press and hold **F** button of LCD remote until 3 beeps sound , release and re-press **F** button until LCD show “” icon flash on LCD remote (see Table 3), then press  button to activate Time Start.  icon illuminate on LCD display, parking light flash / siren chirp 3 or 2 times confirm. The vehicle is now programmed to start every 3 or 2 hours

Exit : Turn Ignition On (LED and parking light flash 4 times, and siren chirp 4 times confirm exit Time Start).
(p.s. press lock or unlock button to turn off  icon on 2-way remote)

Daily Start :

Enter :

1. Turn Ignition On => Off
2. After above (1), within 15 sec. ref. page-6 2-way HHU quick feature programming => Enable Daily Start (Press & hold **F** button of LCD remote until 3 beeps heard, release and re-press **F** button to move blinking cursor to “” (see Table 3), then press  button to activate Daily Start.  icon illuminate on LCD display, parking light flash / siren chirp 6 times confirm Daily Start programmed.

Exit : Turn Ignition On (LED and parking light flash 4 times, and siren chirp 4 times confirm exit Daily Start).
(p.s. press lock or unlock button to turn off  icon on 2-way remote)

F. TEMPERATURE CHECK

The unit can monitor the present indoor temperature of the passenger compartment before cooling or heating your vehicle. Press and hold **F** button of LCD remote until 2 beeps sound , release and re-press **F** button for 4 more times, the LCD remote will show “TEMP CHECK“ icon (see Table 2- 5), then press  button; the in-door temperature will be shown on the LCD screen. This reading may be higher than actual ambient temperature due to the greenhouse and is relative only the inside vehicle temperature.

G. TO TURN OFF THE REMOTE START:

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

1. Press  button once on the remote transmitter under remote start mode.
 2. Move the optional remote start enable toggle switch to OFF position. (If installed)
 3. 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. The parking (hand) brake is released (For Standard Transmission Gear Vehicle or Turbo Timer Mode)
4. Engine is over-reviewed. {“Tachometer checking type” only}
5. The pre-programmed run time (5 /10 / 20 / 30 minutes) has elapsed.
6. Press  button twice on the remote transmitter under remote start mode.
7. The system trigger.
8. The vehicle refused to start running after {3} unsuccessful attempts.

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

This feature allows your system's remote start unit 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 start, move the optional remote start enable toggle switch to the OFF position.

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- . Reorient or relocate the receiving antenna.
- . Increase the separation between the equipment and receiver.
- . Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- . Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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.