



## USERS MANUAL

# SL-72 Two-Way 5-Channel 915Mhz Remote Start Security System

This unit is designed for professional installation only.

For Warranty information:  
Please visit our website at [www.silencer.com](http://www.silencer.com)


Magnadyne Corporation 1111 W. Victoria Street, Compton CA 90220 (800) 340-3200

## LCD REMOTE CONTROL TRANSCEIVER: SL-RF92LCD

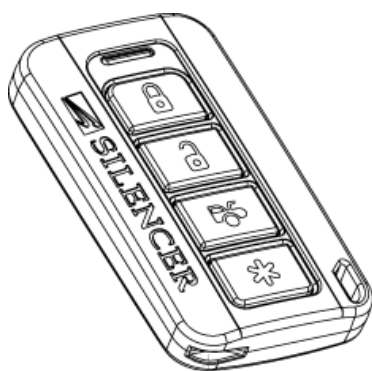


### A. CHANGING THE BATTERY:

#### BATTERY REPLACEMENT: SL-RF92 LCD

This system needs no specific maintenance beyond remote control battery replacement. The 2-way remote is powered by a 1.5V AAA battery. When the power of the battery weakens a  icon shall be displayed on the LCD screen. When the old batteries are replaced, there will be beep sounds indicate the power is up on the transmitter.

The 1-way remote (**SL-RF91**) is powered by a 3V, CR2032 battery



Coin



## B. STANDARD LCD ICON CONFIGURATIONS:



**Lock icon** will be displayed when the door locked.



**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



### **Door Ajar**



### **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 bypass under Arm mode



### **Turbo Timer**

Turbo timer was set up

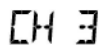


### **Manual Gear**

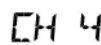
Engine Start Memorizing for the car with manual gear was set up



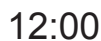
### **Activate Channel 3 (Trunk Release).**



### **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

# OPERATION:

## C: 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 SL-91 remote transmitter Only

## D CHIRP INDICATORS:

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


## PARKING LIGHT:

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



## 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, then you have left a door, trunk, or hood lid ajar.

**SILENT ARMING / DISARMING:** Press the transmitter  and  buttons at the same time. This 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:** Press the  button two times within 5 seconds will arm the security system and by-pass the shock sensor.

### HIDDEN ALARM FUNCTION: Silent Alarm

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 mode. Alarm indication will only appear on the LCD Transmitter.




## F. PASSIVE ARMING (Programmable):

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 the 30-second time 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 telling you the alarm has been triggered during the last armed state.

**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. (Programmable)

**TWO STEPS DOOR UNLOCK (Optional):** 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 the '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.

## I. VALET MODE:

**VALET MODE: (System is in Disarm Mode)**

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/OFF/ON” position.
- b). Press and hold valet switch for 2 seconds until the LED turns ON solid. The LED will remain on as long as the system is in 'valet mode'.

Exit Valet Mode:

- a). Turn ignition 'ON/OFF/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.
1. To stop the alarm, press the  button FOR 3 SECONDS on the remote control  
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 triggered.

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

## M. ANTI CAR- JACKING (Programmable)

**Warning:** If you don't need the carjacking function in this alarm system, be sure to set carjacking feature "OFF". This systems default setting is "OFF" for all carjacking modes.

### ACTIVE ANTI CAR JACKING: (See Transmitter Function Below)

1. When the Ignition is ON press F button three times while "ANTI CAR JACK" is flashing in the text area, then press  button 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 has entered the anti car-jacking mode.
2. Once the system in anti car-jacking mode, the system will be triggered when any door is opened and closed while the ignition is "ON".

### PASSIVE ANTI CAR- JACKING: (Programmable)

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".

## TRIGGERING 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 carjacking.
- 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 / LOST & FOUND (For two-way transceiver operation only)

This feature 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 2 seconds to page the driver, one chirp sound shall be emitted from the vehicle and the paging melody sound continues sounding from the 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 setting is "OFF")

## S. TRUNK RELEASE (CHANNEL 3) OUTPUT.

Press and hold  button on the transmitter for two seconds to remotely control the trunk release.



## T. CHANNEL 4 TIMER CONTROL OUTPUT.

Press the transmitter  and  buttons at the same time to active Channel 4 function. or

Press and hold **F** button of LCD remote until 1 beep sounds , release and re-press **F** button the LCD remote will show "**CH 4**" icon flash, then press  button to activate 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 momentary output.)

## U. POWER SAVER MODE (Default OFF) \* See advanced user mode

Press & hold button  +  for 5 seconds (chirp x 3) enable Power Save mode. LCD remote transceiver uses "0" current to save the battery power.



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

## V. POWER ON MEMORY:





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 4-button remote transmitter can be utilized to control a second vehicles security system, To program the remote control transmitter to a second vehicle, follow the instructions for Transmitter programming.

\* For the standard 1 way Transmitter by press button  +  is shift button.

### Standard Transmitter

1. Prior to pushing any button on the transmitter. Press button  +  first on the transmitter.
2. Once button  +  is pressed the LED on the transmitter will illuminate for 3 seconds to indicate the second transmitter pin code has built-in.
3. While the LED is illuminated, press any button on the remote control transmitter to control a second vehicle security system.

For LCD transceiver – 2nd car operation : \* See advanced user mode

## X. CLEAR THE FLASH ICON AND MELODY SOUND:

The Transmitter will reset the flashing icons the next time the Ignition is cycled to the ON position.

## Y. STOP THE TRIGGER MELODY SOUND:

While triggering the alarm the LCD screen will alert the user through a melody sound and a flashing trigger icon. Press any button on the LCD remote transmitter to stop melody sound only.

## WARNINGS:

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

1. Keep the transmitter out of children's reach.
2. Do not leave anyone in the vehicle while running on remote control.
3. Alert servicing personnel that the vehicle can be started automatically.
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 as you exit the vehicle.
6. The vehicle windows must be rolled up.
7. Should the unit malfunction, disconnect the fuse until the problem is corrected.
8. The use and operations of this system is the sole responsibility of the operator.
9. Some areas may have local ordinances that prohibit leaving a vehicle running on public streets.
10. It is not safe to remote start the vehicle if the vehicle is parked on a steep incline.

## 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 preset setting. (While the vehicle is running, the "minutes" digit on the LCD screen will flash and the 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 a programmable 5 to 30 minute cycle before shutting 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. The optional remote start enable toggle is switched to the "OFF" position. (If installed)
4. The gear selector is in any gear other than "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

**NOTE: Contact your installing dealer to activate this feature.**

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

To operate the vehicle while the engine is 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 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.

### D. TURBO CHARGE MODE:

Turbo charger 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 charger mode **TURBO TIMER** 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. --

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

### E. TIMER START: See Advanced user mode

This unit can be programmed to start and run the engine every 3 hours or punctually at the same time next morning, 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. Please be sure you fully understand this feature before use.**

### F. 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 set your time for engine start. (see Timer Setting / Timer set-up for "Daily Timer Start, in Advanced users Mode) **Please insure that you fully understand this feature before programming the timer start mode.**

### 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 the 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 the engine has 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 Turbo Timer Mode)
4. Engine is over-revved. {"Tachometer checking type" only}
5. The pre-programmed run time (5 / 10 / 20 / 30 minutes) has elapsed.
6. Press \* button 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.

## TRANSMITTER PROGRAMMING

### Enter:

1. Turn the Ignition 'switch 'OFF/ON' 3 TIMES and stay in ON position. Within 15 seconds.
2. Push the Valet switch 3 times and hold in on the 3rd push, when a long chirp is heard then release the valet switch. You are now in the Transmitter programming mode.

### Program:

1. Press any button on transmitter 1 until the siren responds with a confirming chirp; the first transmitter is now programmed.
2. Press any button on the second transmitter until the siren responds with a confirming chirp; the second transmitter is now programmed.
3. Apply the same procedure to program 3rd and 4th Transmitters.

### Exit:

Turn Ignition to 'OFF' position, or leave it for 15 seconds. 3 long chirps and 3 parking Light flashes will confirm exit. Note: If more than 4 transmitters programmed, the system will only keep the last four.

# ADVANCED USER'S MODE:







## 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	<b><u>SENSOR BYPASS</u></b> and <b><u>PASS 1</u></b> icon On	Press  button Enable to arm the alarm and bypass sensor 1.
Press F Button 2nd time (HHU 1 beep) within 5 seconds	<b><u>HIDDEN ALARM</u></b> 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	<b><u>ANTI- HIJACK</u></b> and  icon On	Under ignition in "on" position Press  button Enable to activate anti carjacking functions.
Press F Button 4th time (HHU 1 beep) within 5 seconds	<b><u>CH 4</u></b> 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	<b><u>MENU</u></b> flashing	Press  button to enter 2-way HHU menu mode
Press F Button 2nd time (HHU 1 beep) within 5 seconds	<b><u>STATUS</u></b> <b><u>CHECK</u></b>	Press  button Enable to check the vehicle's status.
Press F Button 3rd times (HHU 1 beep) within 5 seconds	<b><u>ALARM</u></b> <b><u>CHECK</u></b>	Press  button Enable to check vehicle's trigger status.
Press F Button 4th times (HHU 1 beep) within 5 seconds	<b><u>VOLTS</u></b> <b><u>CHECK</u></b>	Press  button Enable to check vehicle's Voltage.
Press F Button 5th time (HHU 1 beep) within 5 seconds	<b><u>TEMP</u></b> <b><u>CHECK</u></b>	Press  button Enable to check temp. status


**Table 3:**

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 <b>F</b> Button until 4 beeps sounded	<b>RESET</b> flashing	Press & hold  button for 2 seconds to back to default setting and 1 chip for confirm


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


**Enter:**

Press and hold **F** button until **2** beeps heard then release the F button.

The Display will show **MENU** flashing, press  button to enter HHU menu mode.

(LCD display show Hours of current time set up, set up hour(s) first.)























Press  button to increase value, or Enable the selected feature.

Press  button to decrease value, or Disable the selected feature .



































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.**

	Menu Option	LCD display	Functions
1	<b>Current time set up</b>	<b>CLOCK</b>	<b>Default is 12:00</b>
	Adjust clock hours from 0 to 12	<b>12 : 00</b> 12 is flashing	Press  button = (+) or Press  button = (-) Press  button confirm its selection, move to next option.
	Adjust clock minutes from 0 to 59	<b>12: 00</b> 00 is flashing	Press  button = (+) or Press  button = (-) Press  button confirm its selection, move to next option.
2	<b>Alarm Clock set up</b>	<b>ALARM CLOCK</b>	<b>Default is OFF</b>
	Adjust Alarm Clock hours from 0 to 12	<b>12 :00</b> 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	<b>12: 00</b> 00 is flashing	Press  button = (+) or Press  button = (-) Press  button confirm its selection, move to next option.
	Select Alarm Clock Enable or Disable	<b>ON +  or OFF</b>	Press  button = Enable or Press  button = Disable Press  button confirm its selection, move to next option.
3	<b>Parking Meter countdown</b>	<b>PARK METER</b>	<b>Default is OFF</b>
	Adjust Parking Meter countdown hours from 0 to 2	<b>0 :00</b> 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.	<b>0 : 30</b> 30 is flashing	Press  button = (+) or Press  button = (-) Press  button confirm its selection, move to next option.



	Select Parking meter countdown Enable or Disable	<b>P-- ON</b> +  or <b>P -- OFF</b>	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	<b>Power Save</b>	<i>POWER SAVE</i>	Default is OFF
	Select Power Save Enable or Disable	<b>ON</b> +  or <b>OFF</b>	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 <b>Exit:</b> Press any button of LCD remote to exit the "Power Save Mode". Press  button confirm its selection, move to next option.
5	<b>2-way HHU Response mode</b>	<b>BZZZER</b> or <b>VIB</b>	<b>Default is Buzzer</b>
	Select 2-way HHU confirmation by Melody or Vibration	<b>BZZZER</b> +  or <b>VIB</b> +  or <b>BZ+VIB</b> +  + 	Press  button = Melody or Press  button = Vibration Press  button confirm its selected, move to next option.
6	Second Car Security Option	<b>CAR SELECT</b>	Default is CAR 1
		<b>CAR 1</b> or <b>CAR 2</b>	 - CAR 1 operation.  - CAR 2 operation
7	Illumination Menu	<b>ILLUM</b>	Default is <b>OFF</b>
		<b>3 SEC.</b> or <b>5 SEC.</b> or <b>OFF</b>	 ,  Basic operation with backlight Illumination 3 SEC. or 5 SEC.; OFF – basic operation without backlight illumination.
8	Key Lock	<b>KEY LOCK</b>	Default is OFF
		<b>Key lock enable or disable</b>	Press  button = Enable or Press  button = Disable
9	CAR ICON Illumination*	 LCD icon	Default is OFF
		 appear or not	Press  button = Enable or Press  button = Disable
10	(Time adjust for Daily Start mode)	 icon flashing	Default is OFF
	1 -12	<b>12 : 00</b> <b>12 is flashing</b>	 ,  - Program Daily start hour Press  button = (+) hours increase or Press  button = (-) hours decrease
	0 - 59	<b>12 : 00</b> <b>00 is flashing</b>	 ,  - 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 if needed as below.  
(system trigger / valet mode / zone ajar/ anti car-jacking mode car LCD will show on LCD display).

## SILENCER LIMITED LIFETIME WARRANTY

Magnadyne Corporation or its authorized agents will, for the life of the vehicle and to the original purchaser, repair, replace or refund the retail sales price of said product or any part thereof, at the option of the Magnadyne Corporation or its authorized agents, if said product or part is found defective in materials or workmanship, when properly connected and operating on the correct power requirements designated for the specific product. This warranty and Magnadyne Corporation or its authorized agents obligations, hereunder do not apply where the product was: damaged while in the possession of the consumer, subjected to unreasonable or unintended use, not reasonably maintained, utilized in commercial or industrial operation, or serviced by anyone other than Magnadyne Corporation or its authorized agent, or where the warning seal on the product is broken or the power plugs or wires are detached from the unit. Magnadyne Corporation or any of its authorized agents do not assume any labor costs for the removal and reinstallation of any product found to be defective, or the cost of transportation to Magnadyne Corporation or its authorized agents. Such costs are the sole responsibility of the purchaser.

This warranty does not cover the cabinet, appearance items, normal wear and tear or accessories used in connection with the product resulting from improper installation, alteration, accident, misuse, abuse or acts of nature.

This Limited Life Time Warranty applies only to the receiver section of the security system. Neither the siren, transmitters, wire harness or any accessory item added to or used with a Remote Mobile security system are covered by this Limited Life Time Warranty. Sirens, transmitters, wire harness or any accessory item are covered by our standard 12 month limited warranty.

Magnadyne Corporation or its authorized agents shall not be liable to anyone for consequential or incidental damages or claims that may arise due to failure of product to operate properly except those accorded by law. Magnadyne's or its authorized agents liability to the repair, replacement of the product as stated above if all conditions of the warranty are met. No expressed warranty or implied warranty is given except those set forth herein. Magnadyne does not warrant or guarantee against break in damage or the theft of the vehicle in part or whole, or against the loss or damage to the contents of any vehicle in which a security system is installed. Magnadyne security systems are only a deterrent against possible theft.

This warranty extends only to the original purchaser of the product and for the vehicle in which it was originally installed. This warranty is not transferable or assignable to any person or vehicle. Defective merchandise should be returned to the original point of purchase or secondly to Magnadyne Corporation, 1111 W. Victoria Street, Compton, CA 90220. A return authorization must be obtained before sending, or merchandise may be refused.



# LIMITED LIFETIME WARRANTY REGISTRATION CARD

Complete and mail now. **Please print clearly.**

LAST NAME										FIRST NAME										INITIAL	
ADDRESS																					
CITY															STATE			ZIP			
DEALER																					
DATE OF PURCHASE						MODEL #															
MAKE OF CAR												YEAR				LICENSE #					

**It is the purchaser's responsibility to register this product for any future warranty service.**

**Warning: Some batteries may contain Perchlorate**

**What is Perchlorate?** Perchlorate is both a naturally occurring and manmade contaminant increasingly found in groundwater, surface water and soil. Most perchlorate manufactured in the U.S. is used as an ingredient in solid fuel for rockets and missiles. In addition, perchlorate-based chemicals are also used in the construction of highway safety flares, fireworks, pyrotechnics, explosives, **common batteries**, and automobile restraint systems. Perchlorate contamination has been reported in at least 20 states. Perchlorate greatly impacts human health by interfering with iodide uptake into the thyroid gland. In adults, the thyroid gland helps regulate the metabolism by releasing hormones, while in children; the thyroid helps in proper development. Perchlorate is becoming a serious threat to human health and water resources. **“Perchlorate Material – Special handling may apply.”** For more information, go to <http://www.dtsc.ca.gov/hazardouswaste/perchlorate/>

**Magnadyne Corporation 1111 W. Victoria Street Compton CA 90220 (800) 340-3200**

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