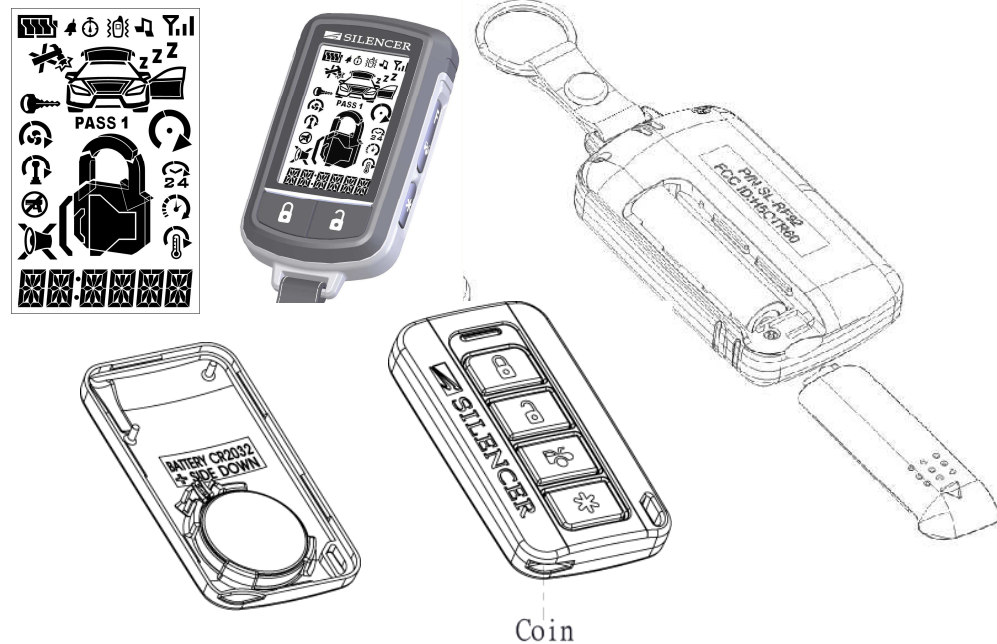


Model SL-IVU-FM915

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

LCD REMOTE CONTROL TRANSMITTER: SL-RF92 LCD



BATTERY REPLACEMENT: SL-RF92

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. 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.

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).

CH 3

Activate Channel 3

CH 4

Activate Channel 4

12:00

Time Monitor

12:00

Alarm Clock
You have set morning call alarm

0:10 P

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

ACTIVE LOCKING – LOCK & ARMING:

1. Press button on transmitter.
 2. The siren or horn will chirp once and the parking lights will flash once indicating that the system is now armed. The vehicle doors will lock upon arming when interfaced with the security system.
- Note: **Defective sensor reminder:** If the siren or horn sounds 3 chirps, then you have left a door, trunk, or hood lid ajar. (OPTIONAL)

SILENT LOCKING AND UNLOCKING: ARMING / DISARMING: Press the + button together on the transmitter to LOCK or UNLOCK your security system, No chirp sound will be heard; arm / disarm confirmation will be through the vehicles parking lights only.

SHOCK SENSOR / OPTIONAL SENSOR BY-PASS: Pressing the button on the transmitter twice within 3 seconds will arm the security system and by-pass 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

PASSIVE LOCKING OR ARMING: Programmable
Active arming / disarming is controlling 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 or horn will chirp [1] time and the parking lights will flash [1] time.

PASSIVE DOOR LOCKING: Programmable
The vehicle doors will automatically lock after 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.

ACTIVE UN-LOCKING – UNLOCK & DISARM:

1. Press the button on the transmitter.
2. The siren or horn will chirp twice and parking lights will flash twice to indicate that the security system is now disarmed. The vehicle doors will unlock when interfaced with the security system.

IGNITION CONTROL DOOR LOCKS.
If the vehicle's 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".

TRUNK RELEASE: Press and hold button on transmitter for three seconds to remote control the trunk release or other electric devices.

CAR LOCATOR: Press the button on the transmitter when the vehicle is in the armed / locked mode to active car locator function. The siren or horn will chirp 6 times. The parking light will flash 12 times, allowing you to easily locate your car.

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 3 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 3 seconds, The LED will turn off indicate the system are exiting the valet mode.

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.

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.**


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 antenna mounted valet switch. The alarm will stop sounding and enter the disarm mode. You can now start and operate the vehicle normally.

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.

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.




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.

CHANNEL 4 TIMER CONTROL OUTPUT

Press remote transmitter  and  buttons at the same time to active Channel 4 function. Or ref. Table – 1, Press and hold **F** button of LCD remote until 1 beep sound heard....(see Table 1) 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 1 sec. pulse output.)


POWER SAVER MODE (Default OFF)


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”.

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  icon and 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 or shutdown the vehicle if any one of the following conditions exists:

1. The hood is opened.
2. The brake pedal is pressed.
3. The gear selector is in any gear other than “PARK” or “NEUTRAL”
4. The system in valet mode.
5. Release the parking (hand) brake. (For Standard Transmission Gear Vehicle or Turbo Timer Mode)
6. The system is failed in engine start memorize set up (For Standard Transmission Gear Vehicle.)
7. If the vehicle failed to start, the above status will flash on the LCD screen

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  buttons at the same time to start the vehicle.

NOTE: Contact your installing dealer to activate this feature.

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.


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.

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.
4. Pull down the hand brake. (for Standard Transmission Gear Vehicle)
The vehicle will shut down and turn off the parking light to indicate engine stopped

2-way LCD REMOTE CONTROL TRANSCIEVER 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	SENSOR BYPASS 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	HIDDEN ALARM 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 carjacking 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 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 F Button until 4 beeps sounded	RESET 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	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 <i>0 is flashing</i>	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 <i>30 is flashing</i>	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	BZZZER or VIB	Default is Buzzer
	Select 2-way HHU confirmation by Melody or Vibration	BZZZER +  or VIB +  or BZ+VIB +  	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
		CAR 1 or CAR 2	 - CAR 1 operation.  - CAR 2 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 ICON Illumination*	 LCD icon	Default is OFF
		 appear or not	Press  button = Enable or Press  button = Disable
10	(Time adjust for Daily Start mode)	24 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).

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 equipment should be installed and operated with a minimum distance of 0.5 centimeters between the radiator and your body.

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

The antennas used for this transmitter must be installed to provide a separation distance of at least 0.5 cm from all persons and 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.