



SIGNCA

CAR SECURITY SYSTEM



LC-50 SERIES

USER MANUAL

SIGNCA

CAR SECURITY SYSTEM

Thank you for purchasing our product. Our systems have all been designed and tested to be compatible with the earliest to latest vehicles available throughout the world. Our primary goal was to provide a reliable and stable product. Our secondary goal was to ensure that our systems are easy to install. Our final goal was to provide features that would benefit the user and installer. We are confident that our products will meet and exceed your expectations. We are constantly working to research, design, and build next generation products. We would not expect anything less since we use our products in our own vehicles.



CAUTION!

PLEASE READ CAREFULLY

The user and installer should completely read the User Manual, Installation Manual, and the vehicle's manual completely before installing and operating this system. Not reading the manuals completely may result in injury or damage to the user(s), installer(s), and/or the vehicle. Installation and use of this system is acknowledgment that the user and installer have fully read the manuals and indemnify Zenesis Alarms from any injuries or damages resulting from wrong use of our system. Please take the following precautions.

1. When using remote start, place the gear in Park(P) (automatic transmission) or Neutral (manual transmission) and set the parking brake (emergency brake)
2. The transmission (Tx) and reception (Rx) distance will vary from interference from other radio signals.
3. If any defects are discovered, do not open or attempt to repair the system. Ask the installer for assistance.
4. Zenesis Alarms will not be responsible for any theft and/or damages to your vehicle.
5. The installer of this system will be responsible for any injuries and/or damages resulting from incorrect installation.
6. The user of this system will be responsible for any injuries and/or damages resulting from misuse.

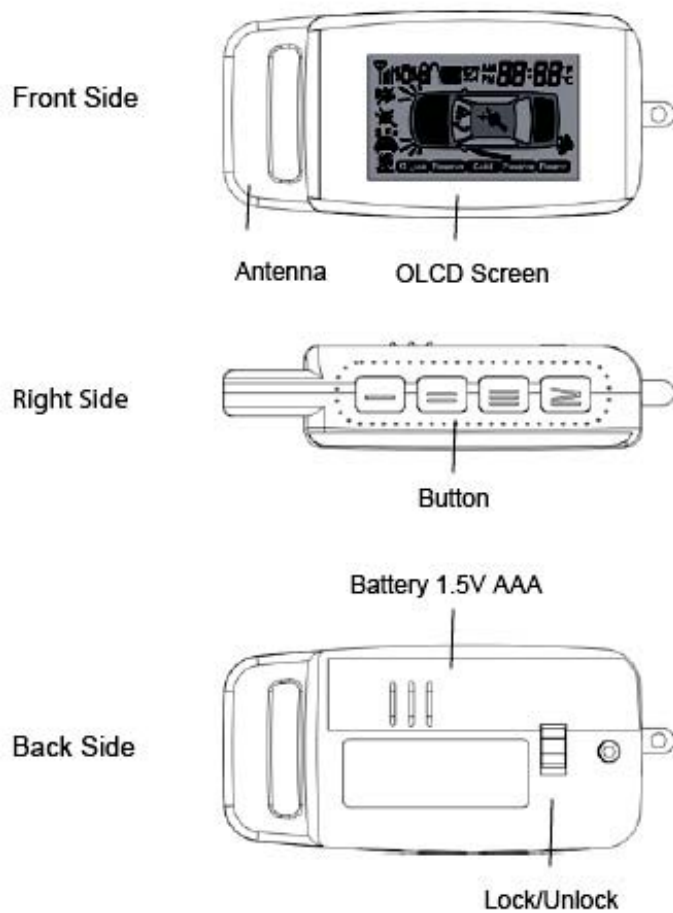
CONTENTS

1. Introduction	
1.1 System Contents	6
1.2 Remote Control Button Layout	7
1.3 LCD Display Introduction	8
1.4 Remote Control Button Introduction (Primary/Secondary)	9
2. Primary Features	
2.1 Door Lock (Arm)	11
2.2 Door Unlock (Disarm)	11
2.3 Arm / Disarm Status (50A / 50AS)	11
2.4 Remote Start (50S / 50AS)	12
2.5 Trunk Release	12
2.6 Valet Mode	12
	13
	13
3. Secondary Features	
3.1 User Programmable Options	15
3.2 Remote Control Registration	16
3.3 Remote Start Reservation (50S / 50AS)	16
3.4 Temperature Status (50A / 50AS)	17
3.5 Paging (50A / 50AS)	17
3.6 Remote Control Beep Mute	18
3.7 Siren Mute (50A / 50AS)	18
3.8 Passive Lock (Arm)	18
3.9 Safety Relock (Rearm)	19
3.10 Ignition Lock	19
3.11 Cold Start Timer (50S / 50AS)	19
3.12 Turbo Timer (50S / 50AS)	20
3.13 Option 1 Input	20
3.14 Aux 1 Output	20
3.15 Aux 2 Output	20
3.16 Shock Sensor (50A / 50AS)	21
3.17 Shock Sensor Sensitivity (50A / 50AS)	21
4. Factory Reset	21
5. Notes	22
6. Warranty Card	23

1. INTRODUCTION

- 1.1 System Contents
- 1.2 Remote Control Button Layout
- 1.3 LCD Display Introduction
- 1.4 Remote Control Button Introduction

1.2 Remote Control Button Layout



2-way Remote Control

Specifications

Radiation	± 20 ppm / year	Temperature	- 40°C ~ +80°C
Dimensions	mm	Weight	mm

1.3 LCD Display Instruction



CAUTION

NEVER use the system except for its intended use. This is an electronic system with complex circuitry. Avoid dropping the components or cause any other physical damage as that will void the warranty.

	Antenna
	Vibration
	Door Lock/Unlock
	Battery
	Alarm
88:88	Time, Turbo, Reserve
°F / °C	Temperature
	Siren ON/OFF
	Shock ON/OFF
	Function Stop
	Turbo Set
	Light ON/OFF


	Hood Open
	Car Owner Call
	Shock Alarm
	Door Open
	Trunk Open
	Remote Start Status
IG Lock	Run Auto Lock
Reserve	Remote Start Timer
Cold	Cold Start Timer
Passive	Auto Arm Set
Rearm	Auto Rearm Set

1.4 Remote Control Button Introduction

Button(s)	Duration	Description
I	0.5 sec	Door Lock / Arm
II	0.5 sec	Door Unlock / Disarm
III	0.5 sec	LCD Display Status
III x 3회	0.5 sec	Panic
IV	0.5 sec	Valet Mode ON/OFF
I -	2 sec	Emergency Siren
III -	2 sec	Remote Start
IV -	2 sec	Trunk Release
I ~	4 sec	Time, Time Alarm, Remote Start Reservation Timer
I + II	0.5 sec	Remote Control Registration (Normal)
I + III	0.5 sec	Remote Control Registration (Door lock after remote start)
I + IV	0.5 sec	Remote Control Beep Mute ON/OFF
II + III	0.5 sec	Siren Mute ON/OFF
II + IV	0.5 sec	Aux 2
III + IV	0.5 sec	Aux 1
III + IV -	2 sec	User Programmable Options
I + II ~	4 sec	Auto Arming ON/OFF
I + III ~	4 sec	Paging ON/OFF
I + IV ~	4 sec	Passive Lock (Arm) ON/OFF
II + III ~	4 sec	Safety Relock (Rearm) ON/OFF
II + IV ~	4 sec	Shock Sensor ON/OFF
III + IV ~	4 sec	Ignition Lock ON/OFF
III + IV ~	4 sec	Turbo Timer ON/OFF

-	(2 sec)	1xBeep, Remote Control Tx/Rx
~	(4 sec)	2xBeep, Remote Control Tx/Rx
+	Push 2 Buttons at same time	

2.1 Door Lock (Arm)

Successful door lock (arm)  0.5 sec

그림

Remote Control	1 x  blink & 1 beep
Vehicle	1 x parking light flash & 1 siren chirp

Failed door lock (disarm) can occur if a door, hood and/or trunk is open.

그림

Remote Control	Each icon blink 4 x beep until arming after door close
Vehicle	1 x parking light flash & 1 siren chirp


If the trunk and/or hood is open while arming (50A/50AS), the siren will sound immediately. If a door is open while arming (50A/50AS), the siren will sound after 45 seconds.

NOTE : Since the doors cannot be locked and the system cannot be armed (50A/50AS) while the hood and/or trunk is open, ensure that the hood and trunk are closed before locking / arming.

2.2 Door Unlock (Disarm) 2 0.5 sec

Successful door lock (arm)

그림

Remote Control	2 x  blinks & 2 beeps
Vehicle	2 x parking light flash & 2 siren chirps

2.3 Arm / Disarm Status (50A / 50AS)

Status	Antenna Module LED
Armed Mode	Normal Flash
Disarmed Mode	No Flash
Triggered Alarm	Fast Flash

After the alarm is triggered..

버튼1 -> This button will stop the siren from sounding. 5 siren chirps and fast LED flashes (아이콘) on the antenna module will confirm button press.

버튼2 -> This button will stop the siren from sounding. The system will be disarmed with 2 (아이콘) siren chirps. The LED on the antenna module will flash quickly.

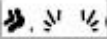
Door open and close -> The LED on the antenna module will stop flashing.

버튼3 -> This button will start the siren from sounding. The system will be rearmed with 1 (아이콘) 1 siren chirp. The LED on the antenna module will flash.

The siren duration can be programmed through the User Programmable Options.

2.4 Remote Start (50S / 50AS)

Successful remote start

Remote Control	 blinks (until engine-off) 1xbeep after 2 sec, press 아이콘 button (before remote start) 5xbeep (after remote start)
Vehicle	1xparking light flash & 1 siren chirp (before remote start) 5xparking light flashes & 5 siren chirps (after remote start)

Failed remote start

Reason for Failure	Vehicle	Remote Control
Key in key cylinder at ON position	1 parking light flashes & 1 siren chirps	3 x beep
Open door	3 parking light flashes & 3 siren chirps	3 x beep
Open hood and trunk	4 parking light flashes & 4 siren chirps	3 x beep
Failed remote start reservation	7 parking light flashes & 7 siren chirps	3 x beep

- o If the 아이콘(#3) button is pressed for 2 seconds while remote start is on, remote start will turn off.
- o The default remote start engine running timer is 5 minutes. The time can be changed through the User Programmable Options.

CAUTION: Do not use the remote start features of the vehicle is on an enclosed area.
Do not use the remote start feature where laws prevent its usage.
Do not turn the key to the start position or else damage may (emergency brake) is always engaged.

2.5 Trunk Release 2 sec

Trunk release will unlock the door(s) and disarm (50A / 50AS) the system.

Remote Control	 blink  blink  2 blinks  2 beeps
Vehicle	1 x parking light flash & 1 siren chirp

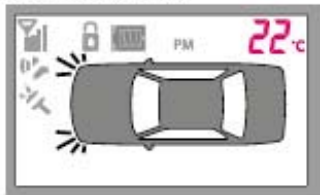
The system will be disarmed when trunk release.


트렁크 아이콘 will be deleted when rearming after trunk close or when press #40아이콘 for 0.5 sec.

NOTE: On manual transmission vehicles, trunk release will turn off remote start

2.6 Car Find & Status 0.5 sec

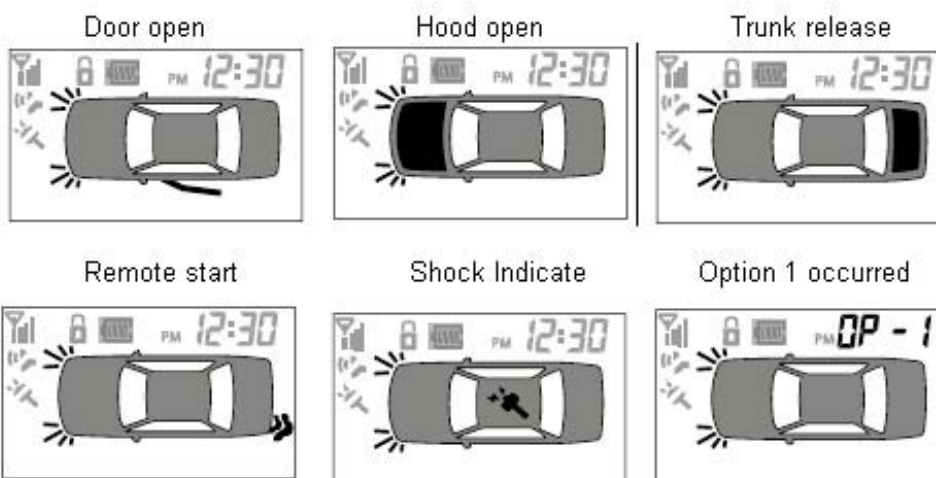
Normal status



Remote Control	 blinks Temperature will be indicated 2 beeps
Vehicle	6 x parking light flashes & 6 siren chirps



Abnormal status








































Status can be checked. - 4 beeps, remote control



When press I, II buttons the system will be back to normal mode
Car must be within the distance that Tx and Rx can be reached

3.1 User Programmable Options + 버튼 2초

When you enter programming mode by holding  +  for 2 seconds, the LED Backlights will blink 1 time and the remote control will beep 1 time. The parking lights will flash 1 time and the siren will chirp 1 time. You are now in programming mode. Follow the chart below for programming options.

Feature	Button Combination			Default	Options			
	 + 							
Remote start run time	 +  (2 sec)			option	3 min.	Resetting as the 1st one	5 min.	15 min.
Diesel warm up time	 +  (2 sec)			option	4 sec		7 sec	10 sec
Siren sound time	 +  (2 sec)			option	30 sec		70 sec	100 sec
Turbo timer run time	 +  (2 sec)			option	2 min.		5 min.	10 min
Remote start reservation(Manual)	 +  (2 sec)			option	automatic		manual	
Regular remote start timer	 +  (2 sec)			option	1 hour		2 hours	3 hours
Shock sensor ON/OFF	 +  (2 sec)			option	ON		OFF	
Cold start timer	 +  (2 sec)			option	Fahrenheit		Celsius	

3.2 Remote Control Registration

1. Open driver' side door.
2. Press the key into the key cylinder and turn to the ON position.
3. Press foot brake 5 times.
4. 3 parking light flashes and 3 siren chirps will confirm remote control programming mode.
5. Press the appropriate button(s) for 0.5 sec. As follows.

Remote Control Registration (Normal)

--> I+II |

Remote Control Registration (Door lock after remote start)

--> II+III

6. After remote control registration, 2 blinks and 2 beeps from the remote control and 2 parking light flashes and 2 siren chirps will sound. Up to 3 remote controls can be added to each system.
7. Once the key is turned to the OFF position or 10 seconds have passed without adding a remote control, the system will exit remote control registration mode.

NOTE : Each time a remote control is added, all remote controls must be re-registered to the system. Adding a remote control erases previously stored remote controls from the system.

3.3 Remote Start Reservation

Manual transmission vehicles require remote start reservation in order to ensure that the vehicle is properly prepared for remote start. There are 2 remote start reservation modes : automatic and manual. Please note that automatic and manual do not refer to the transmission type. Rather, automatic and manual refer to the type of remote start reservation.

A) Automatic Remote Start Reservation (Default)

- 1) Before turning off the engine, put the transmission into Neutral. Ensure that the parking brake (emergency brake) is engaged. Take foot off the foot brake.
- 2) Turn the key to the OFF position. The engine should still be running.
- 3) Exit the vehicle within 2 minutes.
- 4) Once the last door is closed, the engine will turn off.
- 5) Lock (arm) the system. Remote start is ready to be used.

B) Manual Remote Start Reservation

- 1) Before turning off the engine, put the transmission into Neutral. Ensure that the parking Brake (emergency brake) is engaged. Take foot off the foot brake.
- 2) Press III button for 2 seconds.
- 3) Turn the key to the OFF position. The engine should still be running.
- 4) Exit the vehicle within 2 minutes.
- 5) Once the last door is closed, the engine will turn off.
- 6) Lock (arm) the system. Remote start is ready to be used.

NOTE: Remote start reservation type can be changed through the user Programmable Options.

WARRANTY CARD

Use this warranty card for your records.

Please go to www.signca.com to fill out the warranty details.

Visit the link above for specific warranty terms and conditions.

Model Number	
Owner's Name	
Owner's Address	
Owner's Phone	
Date of Purchase	
Date of Install	
Retailer Name	
Retailer Address	
Retailer Phone	
Installer Name	
Installer Address	
Installer Phone	

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.
(2) This device must accept any interference received.
Including interference that may cause undesired operation.

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR
TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS
TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE
USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

Product Information

Remote control

M/N: ALC-502

FCC ID: WJ3ALC-502