FCC ID: QLWSM700S, QLWSM700R

TWO-WAY FM BRAIN, REMOTE

USER'S MANUAL

ACE SECURITY INC.

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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.

Caution : Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

1. Safety Information

Please take these safety precautions under the following conditions

1) Servicing the vehicle

When servicing your vehicle (i.e. washing your car), the ace security system should be in Override(Valet) Mode. There is a safety hood pin switch under the hood that deactivates the remote starter function if the hood is open.

However, the vehicle may start when the Start button is pressed for approx. more than 2 seconds even though the hood is open if the switch has been installed improperly or damaged.

2) Loaning your vehicle to others

Please put the vehicle in Override(Valet) Mode whenever loan your vehicle to an individual who is not familiar with the Ace Security System.

This will prevent the vehicle loaner from activating the Ace Security system accidentally.

3) Remote Start
- Do not use the remote to start the vehicle in an enclosed area without sufficient ventilation
- Do not use the remote to start the engine if you or someone else is directly behind or in front of the vehicle for the safety purpose
- Ensure to engage the parking break and put the transmission in the neutral position or parking position
- Do not use the remote to start the vehicle with a person or pet inside of the vehicle

2. Remote Pager

This transmitter that allows you to activate multiple functions by setting or pressing the 3 buttons on the remote. Please see the details as described thereafter.

3. Visual LCD
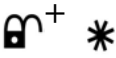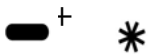
The visual color LCD of the remote inform the vehicle owner the security status of your vehicle at all time and the different icons on the remote indicate what your vehicle is doing currently
1) Antenna : Indicates if the remote is transmitting signals to the control module.
2) Siren : Indicates if Siren is turned to on or off
3) Zz : Indicates if your vehicle is in Override(valet) Mode
4) Last door arming : Indicates if Last door arming mode is on or off
5) Cold start : Indicates if Cold start mode is on or off
6) Engine starting reservation : Indicates if Engine starting reservation mode is on or off
7) Engine running time : Displays when you change the engine running time for the remote

start function.

8) ERR(Error report) : Displays when the Ace Security system is not operated properly

9) Battery : Displays remaining battery life

10)ATREV : Indicates if the Ace Security system is in Automatic remote start memory mode
in a manual transmission vehicle.

11)TURBO : Indicates if Turbo mode is on or off

12)Current time: Indicates the current time

13)IMPT: Indicates if Shock sensor is by-passed or not

14)Melody Alert: Indicates if Melody alert is on or off

15) OFF : Indicates if the receipt of signal with remote is disable

16) P/N : Indicates Parking time or Driving time

17) Trunk : Displays if the trunk is open

18) Door : Displays if the door is open

19) Hood : Displays if the hood is open

20) Wheel : Displays if the engine is started

21) IG Lock : Indicate if Ignition Lock is on or off

22) Lock/Unlock : Displays if the vehicle is armed   or disarmed

4. Functions of the remote button

No.	Buttons	Short	Long
1	🔓	Lock/Unlock	Panic
2	✳	Car Find	Trunk Release
3	▬	Programming confirmation	Remote Start
4	🔓⁺ ✳	Aux 1	Aux 2
5	▬⁺ ✳	Programming(Manu) Mode	N/A

Note.

- " + " means simultaneously pressing the buttons

- A kind of buttons shall described by No. 1, 2, 3 according to above table thereafter.

1) Button No. 1 : Door Lock/Unlock, Panic

- Press the button(No.1) shortly for Lock/Unlock

- Press the button(No.1) long for Panic

- Press the button(No.1) two times consecutively for stopping the remote start.
- The icon is moved to the right icon by pressing the button(No.1) in the programming mode and the data is increased one by one in its figure by pressing the button(No.1) in the detailed programming mode

2) Button No. 2 : Car Find, Trunk
- Press the button(No.2) shortly for Car Find
- Press the button(No.2) long for Trunk release
- The icon is moved to the left icon by pressing the button(No.2) in the programming mode and the data is decreased one by one in its figure by pressing the Button(No.2) in the detailed programming mode

3) Button No. 3 : Programming confirmation/ Remote start
- Press the button(No.3) shortly for confirming the programming data in the programming mode
- Press the button(No.3) long for remote start

4) Buttons No. 4 : Aux 1/Aux 2
- Press the buttons(No.4) shortly simultaneously for Aux 1
- Press the buttons(No.4) long simultaneously for Aux 2

5) Button No.5 : Programming(Manu) mode
- Press the button(No.5) shortly simultaneously for engaging into the programming mode.
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5. Explanation of Features

1) Lock/Unlock(Arm/Disarm)

You can lock(arm) or unlock(disarm) your vehicle by pressing Button No.1for a 1/2 second. In alarm mode, the Start Kill function(this may be an optional feature provided by your installer) is activated. This feature disengages the starter mechanism on your vehicle   that prevents the vehicle from being started even with a manual key when your vehicle's alarm mode is activated

To disarm your vehicle when you lose your remote after you have armed your vehicle, **Step 1**: use the key to open the vehicle. **Step 2**: the Siren will go off. **Step 3**: Turn on and off Ignition 4 times with your key **Step 4**: press the foot brake for more than 2 seconds. Then the Siren is shut off and turn the system into Override(Valet) mode.

Cancel the valet mode with remote later.

Note. The number of turning the key is 0 to 9 depending on the options set at the time of initial setup.

2) Panic

Press Button No. 1 for approx. 2 seconds to enter Panic mode. In this mode, the vehicle

will arm if not armed already and the Siren will activate and the Parking Lights will flash. In order to disengage Panic mode, Press Button No. 1 for approx. a 1/2 seconds.

3) Car Find

Press Button No. 2 for approx. 1/2 second to activate this feature in order to find the location of the vehicle or monitor the status of the vehicle by looking at the remote LCD icons

4) Trunk Release

Press Button No. 2 for approx. 2 seconds in order to unlock and release the Trunk door
Note. The trunk release feature will not only release the trunk but also will unlock all the doors as well

5) Programming Confirmation

Press Button No. 3 for approx. 1/2 second in order to confirm the data of the programming in the programming mode.

6) Remote Start

Press Button No. 3 for approx. 2 seconds to start engine remotely
Keep in mind that a manual key in the ignition is required to drive the vehicle. In addition, the anti-grind circuit prevents the vehicle from re-cranking the starter on a remote-started vehicle
To turn off remote-started vehicle, press Button No. 1 twice consecutively
For manual transmission vehicle, you shall use Remote Start Memory mode.
Note. The engine will run 1 to 30 minutes depending on preset options and then shut off. If the system has a problem with starting the vehicle, the system will try 2 additional times. Please contact a authorized dealer if failed to start engine remotely until the 3rd attempt

7) Aux 1 and Aux 2

Press Button No. 4 for approx. 1/2 or 2 seconds to activate an auxiliary system such as Power window, Sunroof, etc.

8) Programming(Manu) Mode

Press Button No. simultaneously 5 for approx. 1/2 second to enter the programming mode

6. Programming Features
1) Siren On/Off

To make your siren mute when arming or disarming the vehicle, programming the Siren turned off in the programming mode. But the Siren will still activated for the mode of Panic regardless of whether or not the Siren is in the Siren mute mode.

2) Override (valet) mode.

Override mode is very useful when washing your vehicle or having it serviced.

In order to enter Override mode, Have Override mode turned ON in the programming mode. For entering Valet Mode manually, **Step 1**: use the key to open the vehicle. **Step 2**: the Siren will go off. **Step 3**: Turn on and off Ignition 4 times(factory setting) with your key **Step 4**: press the foot brake for more than 2 seconds. Then the Siren is shut off and turn the system into Override(Valet) mode.

Cancel the Override mode with remote later by engaging Override mode and disengaging Override mode consecutively.

Note. The number of turning the key is 0 to 9 depending on the preset

3) Last Door Arming

You can turn this function on or off in the programming mode. When set to Last door arming, the system will arm automatically 30seconds after all the car doors are closed.

4) Cold Start

If you are located in the severe cold weather region, you can turn this function on in the programming mode   and then the engine will idle for the preset time every preset hours.

5) Engine Starting Reservation

You can turn this function on or off after setting the time in order to start engine at the preset time in the programming mode. The system will start engine at the preset time

The engine will run 1 up to 30 minutes according to the preset engine running time after starting engine by this function

For manual transmission vehicle,   you must fist set the system to Remote Start Memory mode before leaving your vehicle for the safety purpose. The purpose of Remote start memory mode is to leave the transmission gear in the neutral position when you leave your vehicle. Furthermore, Remote Start Memory mode is intended for use in manual transmission only and Not automatic transmissions.

6) Remote Start Memory

This mode is intended for us in manual transmission in order to start engine by the system and Not automatic transmissions

Step 1: place the transmission in the Neutral position and engage the parking brake in the

park position. Step 2: pull off the key off. Step 3: single chirp and parking light from the vehicle. Step 4: Close the door after exit.   Step 5: Press the button No. 1(lock button).
Note. This function will be canceled if you didn't activate the parking brake, press the foot brake during the process, shut down the engine before completing this function or engaged in Override(valet) mode.

7) IG Lock(Ignition Lock)

This programmable function can be turned on or off in order to enable your vehicle to lock the doors automatically when the foot brake pedal is pressed after starting the vehicle with a key and the vehicle will automatically unlock the doors on pulling the key out from the ignition

8) Turbo Mode

You can turn this function on or off in the programming mode. Under this mode, engine continues running for 2 minutes after key has been taken out from the ignition.

9) Shock sensor on/off

This function can turn on or off in the programming mode.   Under this function, the shock sensor will activate 25 seconds after the vehicle is armed. If turn this function off, any impact from the outside of vehicle will not be triggered

10) Receipt of Signal Disable

This function can turn on or off in the programming mode.   The system will not receive any signal from the system with the vehicle if turn this function on.