



High Quality Starter and Alarm Systems

We sincerely appreciate you purchasing our vehicle starter and alarm systems. Our starter and alarm systems are produced with strict quality control and international standards, and includes a series of test including; extreme temperature, shocks, vibration and dropping. As a result, we are certain that you will be completely satisfied with our products.

Please read this manual carefully prior to using your new system. Please keep this manual accessible for future use.

[Remote Outside Name]



► Antenna Module



Safety Information

* Please take these safety precautions.

- Please read our Limited Warranty and Disclaimer information located at the back of this manual prior to using.
- It is not recommended installing this systen into a convertible vehicle with a manual transmission.
- We are not responsible for any injury or other liability resulting from the wrongful use of this system
- When using remote start, place the gear in the Parked or Neutral position, and set the Emergency brake or Foot brake
- In manual transmission vehicles; Do Not remote start in any position other than Neutral. We are not responsible for any damages or consequence resulting from this.
- The transmitting (TX) and receiving (RX) varies depends on the radio signal environment. Range and response time will vary.
- In the unlikely event of a defective product, do not open, repair or modify the system. Ask the seller for repair or replacement.
- We shall not be responsible for any theft or damage to your vehicle, since this is a subsidiary and convenient system only.
- Please note that some functions described in this manual are optional functions and may not be available on this model.

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[Color LCD displays]



A CAUTION

Use of this system is for car start and alarm purpose only.

Since this system is a precise instrument that is fragile and susceptible to damage from external shock, do not drop the unit, and keep it away from children. Do not keep the remote near excessive humidity or water, as it is not water proof.

LCD	LCD
Y	Transmitted
ıll	Transmitting
H	Reservation mode (Manual transmission only)
ô	Door Lock (Arm)
ò	Door Unlock (Disarm)
}	Panic Mode
_	Trunk open



LCD	LCD
4	Parking Light
	Door open
×	Shock OFF
<u>©</u>	Timer
£ .	Engine is on
z	Valet
PASSIVE	Passive
TURBO	Turbo
#88 :88	Clock
(=	Owner call mode is set
(=	Someone calling car owner
4	Driving door lock(Ignition Lock)
	Battery Meter
≯ ₹ †	Shock



[Remote Button Functions]

	Button	Press (sec)	Function
	ı	0.5	Door Lock(Arm)
	'	0.5	Door Unlock(Disarm)
	II	0.5	AUX1
_	III	0.5	AUX2
tio	+	0.5	Query
Function	+	0.5	Valet ON/OFF
Ē.	+	0.5	Vibration ON/OFF
	-	2	Panic Mode
	-	2	Remote Start ON/OFF
	-	2	Trunk Open
	$(+)-1 \rightarrow $	0.5	Passive ON/OFF
_	(+)- → -	2	Driving Door Lock
setup	(+)− →	0.5	Mute ON/OFF
S	(+)− → −	2	Reservation Start ON/OFF
o	(+)- →	0.5	Turbo ON/OFF
cti	(+)- → -	2	Shock Sensor ON/OFF
Function	(+)- → (+)-	2	Current Time Change
	$(+)- \rightarrow (+)-$	2	Reserve time Change
	$(+)- \rightarrow (+)$	0.5	Second car
Option setting	(+)-	2	Option Mode 2 (Consumer)
Opt	(+)-	2	Option Mode 1 (Installer)



- * 0.5 sec.: Press the button for 0.5 second.
- * 2 seconds(-): Press the button for 2 seconds till it operates at your vehicle
- * + : Press 2 buttons simultaneously.

[Function]

1. Lock/Unlock (Arm/Disarm)

1-1 Door Lock(Arm)

You can lock and arm your vehicle by pressing button I for 0.5 second. The siren chirps and the parking lights flash once each, Also, the sidemirror is being folded.(Start button model only)





The remote chirps 7 times, and blinks (IIII) icon on the remote to warn that the battery of your vehicle discharges, if you lock the doors while the tail lights are turned on during arming(Start button model only).

1-2 Door Unlock (Disarm)



You can open and disarm your vehicle by pressing button I for 0.5 second.

The siren chirps and the parking light flash twice each.



Also, the sidemirror is being unfolded (Optional installation).

The numbers of remote chirps and parking light flashes indicate the status of your vehicle while parking (Start button only).

- Two chirps and two parking light flashes indicates there were no problems while parking.
- Four chirps and four parking light flashes on the remote indicates there has been an alarm during the arming stage.

2. Auxiliary Output (Optional Installation)

This mode is used to control (on/off) one of the various functions on your vehicle (such as convertible, sunroof, car audio, window and etc.)

2-1 Aux1

It operates by pressing II for 0.5 second and then do it again within 3 seconds to open sunroof etc. To close, please do the same process once again.

2-2 Aux2



It operates by pressing III for 0.5 second and then do it again within 3 seconds to open sunroof etc. To close, please do the same process once again.

3. Query Function

Query function allows you to check the statues of your vehicle including car battery voltage(Start button only), car temperature, parking timer(Start button only) (it indicates how many minutes and hours have passed after the system is armed). By pressing button IV for 0.5 second, it shows the parking timer and then either car temperature or car battery voltage (the other one appears as the same button job is repeated).

The icon and chirping sounds indicates the statues. If you are within transmitting distance to receive the signal for shock, theft and easy call function, you will receive the response shown on the table.

Response				
Status	Remote	Siren from the vehicle		
Engine Running, Armed	Be, bip Be × 4	Chirp ×3		
Enging is Not Running, Armed	Bip Be × 4	Chirp		
Enging is running, Disarmed	Be, bip ×2 Be ×4	Chirp ×4		
Engine is not running, Disarmed	Bip ×2 Be ×4	Chirp ×2		

4. Valet

Press button (I+III) simultaneously for 0.5 second to enter this mode.



The 2 features operating

in valet mode are Door lock / unlock by pressing button I and Query function by pressing button IV. (All the other functions do not operate temporarily.)

Valet mode is useful when loaning your vehicle or having it serviced (example, car wash, parking lot and auto repair shop).

Press button (1+III) simultaneously for 0.5 second again to exit.

▲ Note

If you want to use this mode manually, insert the key into the ignition and rotate it(press the start button in E7II-B model) 4 times between ON & OFF for 4 times within 10 seconds.

5. Vibration (On/Off)

Press button IV for 2 secounds (Vibration on), and press button IV for 2 seconds again to turn it off.





6. Panic Mode

for 2 seconds to activate this mode. Your vehicle will lock the doors if unlocked, the siren will activate,

and the parking lights

Press and hold button I



will flash for 90 seconds. This function is used for warning under emergency situations, when you feel you are in danger.

Press and hold button I for 2 seconds to deactivate.

7. Remote Start

Press and hold button II, for 2 seconds, the remote chirps and the parking lights flash once each.

If it fails, the system automatically repeats remote start a maximum of 3 times.

The default setting of the engine running time is 15 minutes. You can change it to 25 minutes by using optional settings.

Open the door, insert the key, and turn it to ON position after remote start, If you want to stop the auto starting, press the foot brake

7-1 Emergency Brake(Option setting)

Manual transmission vehicles need Reservation mode to remote start, in this case, the emergency brake must be ON.



7-2 Preventing Remote Start for your safety

The following cases prevent your vehicle from auto starting for your safety.

- If trunk is open
- (b) If hood is open (Exept for Start button only)
- © If emergency brake is off (for manual transmission vehicles only)
- (d) If panic mode is activated

7-3 Diagnose problems with auto start

If there is a problem in auto start, you will hear 3 chirps and the cause for the error will be indicated by the number of chirps and the parking lights flash within 3 seconds, when you try the remote start (Refer to the table).

	Remote	
Number of chirps or Park light Flash	hirps or Park Cause of error	
1	Engine on	Start
2	Key On	Start
3	Door open	Door
4 Trunk open		Trunk
5	Foot brake	
6	Hood open (Start button model)	Hood
7	Reservation	
8	Emergency brake off (Manual transmission)	Brake

8. Trunk Open



8-1 Trunk Open

Press and hold button III for 2 seconds to open the trunk. Parking lights will flash twice and the siren will chirp twice.



8-2 Trunk sensing

While your trunk is open, you cannot lock the doors (or arm the vehicle

[Function setup]

Each function appears one by one so that people can choose the function they want.

When you press the button (II+III) for 2 seconds, each of the following icons appears one by one. When the icon of function you want appears, press the button as the Arabic number indicates.

This mode takes two turns and during this mode, you can choose the button as the Arabic number indicates at any time.

Order	Arabic Number	lcon	Icon Press(sec) Function		
1	1	PASSIVE	Press I for 0.5 sec	Passive	
2	!-	a	Press I for 2 sec	Driving Door Lock	
3	13	2nd	Press (I+III) for 0.5 sec	Second Car	



Order	Arabic Number	Icon	Press(sec)	Function
4	2	*	Press II for 0.5 sec	Mute
(5)	3	TURBO	Press III for 0.5 sec	Turbo
6	c 12-		Press (I+II) for 2 sec	Current Time change
7	r 13-		Press (I+III) for 2 sec	Reserve Time change
8	2-	(Press II for 2 sec	Reservation Start
9	3-	[*]	Press III for 2 sec	Shock Senser On/Off

1. Passive

1-1 Auto Arming

You can activate this function by pressing button II+III for 2 seconds and release, then press button I for 0.5 second. After — icon annears, the passive



icon appears, the passive become active.

1-2 Manual Arming

If you repeat 1-1 once again, the — icon disappears. From then on, arming is active only by the remote.



2. Driving Door Lock (Ignition Lock)

Press button (II+III) for 2 seconds and release, then press I for 2 seconds.



Then, this mode operates with display of Icon a on LCD.

This programmable option enables your vehicle to automatically lock the doors in 30 seconds after the vehicle has been started with a key while all the doors are closed.

On the contrary, the vehicle will automatically unlock the doors upon pulling the key out from the ignition.

To exit, follow the same procedure above again.

3. Second Car

It's the function to use two vehicles (Easycar alarm system must be installed in each vehicle) with one remote.



First, please register the remote in one vehicle.

And then on other vehicle, press II+III for 2 seconds and release, and then press I+III for 0.5 second.

After — icon appears, please register the remote on the other vehicle & use it



4 Mute

Press the button (II+III) for 2 seconds and release, then press the button II for 0.5 seconds and release. And then all



the Icons displayed on LCD disappear and the siren does not operate.

In this mode, Siren does not operate during arming and disarming only.

To exit, follow the same procedure above again.

Turbo

5-1

seconds and release. then press the button III for 0.5 second and release. In this mode. engine continues to run



for a selected time of 30 seconds or 2 minutes (you can change the setting in Option menu). This is very useful for turbo charged vehicles to cool down the mechanical components after driving.

To exit, follow the same procedure above again.

5-2 Start button model

In the mode, engine continues to run for a selected time of 30 seconds or 2 minutes (you can change the setting in Option menu).



- ② Please follow the step on the remote as above.
- While the engine is running, activate the parking brake (auto transmission) or the emergency brake (manual transmission)
- © While pressing the foot brake on, press start button for 1 secound and then release. The remote chirps and the parking lights flash once each(for from the key box).
- The engine keeps running and the start button's LED rotates diagonally.
- Open the door and close
- The engine additionally runs for 30 seconds (or 2 minutes, changed in option)

▲ Note

If you want immediate stop afer drive such as in gas station, please press the food brake on and press start button for 4 seconds. The engine will stop immediately.

6. Current Time Change

 When you press the button (II+III) for 2 seconds and release and then continuously press the button (I+II) for 2



seconds and release, the current time flashes and ready to change.

2) If you press I for 0.5 second, the hour changes



- 3) If you press II for 0.5 second, the minute changes
- 4) After you adjust the current time, please press the button III for 0.5secound and release (or press (I+II) for 2 seconds and release), with the melody from the remote, the setup is completed.
- * If you want to get out of setup mode, stay for 7 seconds while the current time blinks

7. Reserved Time Change

1) When you press the button (II+III) for 2 seconds and release and then continuously press the button (I+III) for 2



- seconds and release, the current time flashes and ready to change.
- If you press I for 0.5 second, the hour changes
- 3) If you press II for 0.5 second, the minute changes
- 4) After you adjust the current time, please press the button III for 0.5secound and release (or press (I+II) for 2 seconds and release), with the melody from the remote, the setup is completed.
- * If you want to get out of setup mode, stay for 7 seconds while the current time blinks.

8. Reserved Time Start (On/Off)

After Reserved Time is setup, press the button (II+III) for 2 seconds and release and then continuously press the



button II for 2 seconds and release for Reserved Time Start ON/OFF. When it is ON, it makes your Vehicle start on your desired set time in every 24 hours.

The current time flashes and it is ready to change.

- 2) If you press I for 0.5 second, the hour changes
- 3) If you press II for 0.5 second, the minute changes
- 4) After you adjust the current time, please press the button III for 0.5secound and release (or press (I+II) for 2 seconds and release), with the melody from the remote, the setup is completed.
- * If you want to get out of setup mode, stay for 7 seconds while the current time blinks.

9. Shock sensor (On/Off)

9-1

Press button (II+III) simultaneously for 2 seconds and release, and then continuously press the button III for



2 seconds to deactivate the shock sensor.

You can find the Icon (on LCD to confirm this mode. This function can be used, when you do not want it.



Example: When you sleep in the vehicle, when baby sleeps in the vehicle, when you let your pet stay in the vehicle.

9-2

Press button (II+III) simultaneously for 2 seconds and release, and then continuously press the button III for 2 seconds to deactivate the shock sensor.

You can find the Icon on LCD disapper.

This function can be used, when you do not want it.

Example: When you sleep in the vehicle, when baby sleeps in the vehicle, when you let your pet stay in the vehicle.

[Option Setting-Customer]

You can make option change easily by looking at icons on display.

Button I	Option	Button II	Icon
0	Start Time	15 mins ↔ 25 mins	٠,٩
1	Turbo Time	30 sec ↔ 2 mins	TURBO
2	Siren Dunation	30 sec ↔ 60 sec	≱

- When you press the button I+III for 2 seconds, the siren chirps and the parking lights flash once each.
- Please press the button I for 0.5 second to move to another option
- Please press the button for II for 0.5 second to change the option setting



4) Please press the button for III for 2 seconds to save the change. The siren chirps and the parking lights flash once each if the change is saved safely.

[Others]

Real Time Remote Paging Functions

Owner Call, Theft report and Shock Sensing report whenever one of these is triggered, it is



reported to the remote with beeps and flashing icons on LCD.

In particular, Theft is reported with continuous beeps and with one of the icons such as door, trunk and hood in consideration that you didn't hear the beeps.

1-1 Owner Call Mode

This mode allows other people to call you by knocking 2 times on the front window of the vehicle.



You can recognize this call through Icon ≥ on your remote with 4 times of bell sound.



If you press button IV for 0.5 second to confirm it, your vehicle flashes the parking lights once.

1-2 Shock Sensing Report Mode

This function reports to your remote that your shock sensor on the vehicle has been triggered during the arming mode. When the shock sensor is triggered, your remote makes warning sounds until you press button I to stop the warning.

1-3 Theft Report Mode

The system recognizes any theft, and activates alarm when doors open by force or with the key while the vehicle is armed.

Siren chirps and remote warns continually in theft mode.

The siren in your vehicle operates even in silent siren mode and chirps for 30 seconds (60 seconds(E8-B)). The duration can be changed to 60 seconds(30 seconds(E8-B)) on the optional setting.

Press button I to confirm and stop the report and siren.

Adjusting the sensitivity of shock sensor

Please ask your installer for the location of your shock sensor. You can adjust the sensitivity of the shock sensor by turning the knob on the shock sensor. Turn the knob on the shock sensor clockwise for higher sensitivity and counter clockwise for lower sensitivity.







Do not turn the knob with excessive force, or beyond its limit. Shock sensor is fracile.

Reservation mode

(For Manual Transmission Vehicle)

3-1 What is 'Reservation mode"?

In order to remote-start your manual transmission vehicle, you must first set up reservation mode before leaving your vehicle. The purpose of leaving the transmission gear in the neutral position is to prevent your vehicle from moving forward while remote starting. You should set reservation mode each time you turn off your vehicle.

- 1) Important requirements to activate Reservation mode:
- (a) The transmission must be in neutral position
- All doors must be closed
- © Do not set the reservation mode with passengers or pets inside the vehicle
- 2) Remote Start does not operate without setting Reservation



mode. If you press and hold button II to remote start your vehicle without setting the Reservation mode, remote chirps 3 times and parking lights flash 3 times. Parking lights will flash 7 times more to let you know that it failed to remote start.



RESERVATION MODE IS NECESSARY FOR YOUR OWN SAFFTY

3-2 Automatic Reservation Mode (Default Setting)

How to set Automatic Reservation mode:

- ② Place the transmission in neutral position before you turn the engine off
- (b) Activate emergency brake
- © Press the start button for 1 secound, the engine will keep running. Also the start button's LED rotates diagonally.
- Exit the vehicle and close all doors
- The engine will automatically turn off and reservation mode is completed

The reservation mode is, however, cancelled if doors are open or valet mode is activated. Once cancelled, you have to start your vehicle with the manual key and repeat the step 1 to 5 to restore the Reservation mode.

3-3 Manual Reservation Mode (Optional setting)

Please follow the steps @~\bar{b} at 24-2, press the button II for



2 seconds, open and close the door. The next step is same as the rest of 24-2.

4. Easy Door Lock (option)

4-1

The door can be locked or unlocked without remote or the vehicle key. If the 4 digit password is inputted, it arms or disarms the vehicle.

10 blue LEDs display various functions: such as arming, disarming, valet mode, and



emergency status. If anyone knocks twice on the LEDs on the windshield, remote receives the call signal (optional Owner call mode).

4-2 How to input the 4 digit password

- (a) Turn the engine off, and place the car key to the ON position. Open the door and wait until the light moves from number 1 LED.
- Number 1 LED will be on for 2 seconds and OFF, and it
 will repeat on each number from 2 to 0.
- © If you knock once while your desired number LED lights up, LED will flash and repeat step 2 above.
- ② You have to repeat the step 2 and 3 for 3 more times to enter a 4 digit password.

For Example, if your desired password is 2, 3, 4, and 5, then wait until number 2 LED lights up and gently knock on the



sensor. After this, number 1 LED will light up and continuously move to next number, and knock on the sensor when number 3 LED lights up. Repeat this process for number 4 and 5 to finish enter your password.

4-3 Door Lock / Unlock

- Wait, the light moves from number 1 LED during lock, unlock or valet mode.
- Number 1 LED will be on for 2 seconds and off, number 2 led will be on 2 seconds and off, and it will continuously move around to 0.



- © Knock on the sensor once on your first digit of your password, light will flash once more to confirm the recognition.
- Repeat the step 3 for your second, third and forth number of your password.
- After your forth password, vehicle will lock (if it was unlocked), or unlock (if it was locked).

 During Valet mode, doors can lock or unlock only.

In case that the incorrect passwords are inputted more than 5 times, Easy Door Lock will not be functional for 20 minutes.

4-4 LED Display

(a) During Arming: From (9) to (3), the 5 LEDs will sequentially flash five times left to right, and right to left (9-0-1-2-3-2-1-0-9-0). After



that, LEDs will be on for 2 seconds each from number 1 to 0, and you can enter your password, while each LED is on for 2 seconds

- If alarm was triggered during the arming mode, LED
 will flash rapidly in sequence above after the siren
 duration.
- © During the siren duration, all LED will flash simultaneously
- ② During disarming: (0) Led will flash five times every 3 seconds.
- © During Valet mode: (0) Led flashes every 10 second

Start Button

Push button Ignition ON/OFF

5-1 Ignition ON

While pressing the foot brake on press start button for 1 second. Also, the parking brake (Auto transmission) or the emergency brake (manual transmission) should be on at this stage. You will see the engine get started and on the button, it has the red colored light on (Stop).



Once you release the parking brake (Auto transmission) or emergency brake (manual transmission) to drive, the red colored light is off.



5-2 Ignition OFF

(a) While pressing the foot brake on, press start button for 1 secound. Also, the parking brake (Auto transmission) or the emergency brake (manual transmission) should be on at this stage. you will see the engine is off and the button gets the light on (Start).



⑤ In case you are not able to stop the engine due to the problem from the parking brake (Auto transmision) or the emergency brake (manual transmission), press start button for 4 seconds while pressing the foot brake on. Then the engine will stop.

▲ Note

When the parking brake (Auto transmission) or the emergency brake (Manual transmission) is broken, check whethen the red colored light is on (Stop). And then press the start button for about 4 seconds (while foot brake on) to start, until you confirm the engine is running.

If you want to stop the engine while you are outside of your vehicle, 1) check the red colored light is on 'stop', 2) open the door and press the button II for 2 seconds.

5-3 OFF ⇒ ACC ⇒ ON ⇒ OFF

- (a) ACC: While not pressing the foot brake on, press the start button on time, the button gets the light on ACC, which enables you use the air-conditioning and car audio etc.
- (b) ON: If you press one more while not pressing the foot brake on, the button gets the light on OFF.
- © To stop the engine by force : If you are not able to stop



the engine by pressing button, please open and close the car door 7times during 12 seconds. Then the engine will stop.



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