

[FAIL▶TRUNK] is displayed on the OI



4. Query function

Query function allows you to check the status of your car by pressing button IV for 0,5 second. The icon and the chirp sounds show you the status.

If you are within transmitting distance to receive the signal for shock, theft and easy call, you will receive the responses like chart.

*If the transmitting is impossible, ex-status of your vehicle will be displayed on OLED as

Remote	Siren in the vehicle
Engine running, Armed: beep beep,beep beep, beep beep	Engine running, Armed: beep, beep, beep
Engine not running, Armed: beep, beep, beep	Engine not running, Armed: beep
Engine running, Disarmed: beep beep, beep beep	Engine running, Disarmed: beep,beep,beep, beep
Engine not running, Disarmed: beep, beep	Engine not running, Disarmed: beep, beep

5. Panic mode

Press button I for 2 seconds to enter this mode.

In this case, your vehicle will lock the doors if unlocked already and the siren will activate and the parking lights will flash for 1 and half minute.

14 E502 / USER'S GUIDE

This function is used for warning under emergency when you feel your personal danger and informing your situation.

Press button I for 2 seconds to deactivate this function.

6. Real time remote paging function.

whenever one of Owner call, Theft report and Shock Sensing report is triggered, it is reported to the remote with beeps and flashing icons on LCD.

In particular, Theft is reported with continuous beeps in consideration that you didn't hear the beeps. In case, vibration is set, blue LED on remote blinks rapidly.

6-1 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 by 4 times of bell sound of your remote.

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

E502 / USER'S GUIDE 15

6-2 Shock sensing report mode

This function reports to your remote any shocks at your vehicle in arming mode.
 When your vehicle is shocked, your remote sounds warning continuously.
 Press button I for 0,5 second to stop the warning.
 When weak shock or strong shock, "W SHOCK" or "S SHOCK" is displayed on OLED.

6-3 Theft report mode

Our system recognizes it as Theft and activates Alarm function, when doors open by force or with the key in arming mode.
 Siren chirps and remote warns continually in Theft mode.
 Siren in your vehicle operates even in silent siren mode and chirps for 30 seconds basically. The duration can be changed to 60 seconds by optional setting.
 If you want to stop it, press button I for 0,5 second.
 According to the situation, "D THEFT" "T THEFT" or "H THEFT" is displayed on OLED.
 (D THEFT, T THEFT, H THEFT means door, trunk, hood is open.)

7. Auxiliary output (option installation)

This mode is used to control(on/off) the various functions such as Convertible car, Sunroof, Car Audio, Window Remote Power etc.
 example) Press button II for 0,5 second and press button II again within 3 seconds to open Sunroof.
 And press button III for 0,5 second and once more to close it.
 example) Press button III for 0,5 second to open Sunroof and button IV for 0,5 second to close it.

7-1 Aux1

It operates by pressing button II for 0,5 second and once more within 3 seconds, (Duration can be changed by option setting)

7-2 Aux2

It operates by pressing button III for 0,5 second and once more within 3 seconds, (Duration can be changed by option setting)

8. Vibration On/Off

Press button (I+II) for 0,5 second for [VIB ON], and press (I+II) for [VIB OFF].

9. Adjusting the sensitivity of shock sensor

It is better for you to know where the shock sensor is. You can adjust the sensitivity of the volume depending on your need.

Turn the knob on the shock sensor clockwise to let it high and counterclockwise to let it low.



Note

Please be careful not to turn the volume beyond its limit. The volume can be damaged.

10. Reservation mode (Manual transmission only) (E502AS Only)

10-1 What reservation mode is;

In order to auto-start your manual transmission vehicle, you must first set up reservation mode before leaving your vehicle.

The important thing of this mode is to leave the transmission gear in the neutral position when you leave your vehicle. (If you operate Auto Start in state of gear is on, the vehicle can move. It is dangerous.) You should set reservation mode each time you turn the engine off of your transmission vehicle.

1) Important requirement to activate Reservation mode

- ❶ The transmission must be in neutral position.
- ❷ The windows of the vehicle must be rolled up.
- ❸ Do not set the reservation mode with people in the vehicle.

2) Auto-start does not operate without setting Reservation mode.

If you press button II for 2 seconds, remote chirps and parking lights flash 3 times each

Note

Reservation mode is necessary for your safety.

and parking lights will flash 7 times in 2 seconds to inform you this.
[FAIL▶RESER] is displayed.

10-2 Automatic Reservation mode(Basic setting)

1) How to set Automatic Reservation mode

- ❶ Place the gear in the neutral position before you turn the engine off.
- ❷ Activate emergency brake. (Option)
- ❸ Remove the key from the ignition. The engine will keep running.
- ❹ Exit the vehicle and close the door within 2 minutes after removing the key.
- ❺ The engine will stop and reservation mode is complete.

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

10-3 Manual reservation mode(option setting)

Please press button II for 2 seconds before removing the key from the ignition.
The other steps are same as automatic reservation mode.

11. Easy door lock(Basic setting)

11-1 The door can be locked or unlocked without remote or car key, if the password(4 digits) is inputted. It disarms or arms by password too.

The 10 blue LEDs display various functions such as arming, disarming, valet mode and emergency status(shocked & theft). In case that you knock twice softly at the LEDs on window, remote receives the call signal.



11-2 How to input the password

- ❶ Turn the engine off, and place the car key at ON. Open the door and wait the light moves from number 1 LED.
- ❷ Number 1 LED will be ON for 2 seconds and OFF, Number 2 LED will be ON 2 seconds and OFF.
- ❸ The same operation as 2) is made from Number 3 to 0.
- ❹ If you knock just once while LED of the same number as the 1st password is ON, LED will flash and operate like 2) and 3).
- ❺ If you input the 2nd, 3rd and 4th password continuously like 4), the input of password is completed after main controller chirps and parking lights flash once each.
- ❻ example) If you want to input '2345', knock once the label while number 2 LED is ON, knock once the label while number 3 LED is ON and also at LED number 4 and 5.

When you knock as above, the input of password is completed after the main controller chirps and parking lights flash once each.

11-3 Door Lock(arming)/Unlock(disarming)

- ❶ Wait the light moves from number 1 LED during Arming, Disarming or Valet mode.
- ❷ Number 1 LED will be ON for 2 seconds and OFF, Number 2 LED will be ON 2 seconds and OFF.
- ❸ The other numbers operate same as 2).
- ❹ If you knock just once while LED of the same number as the 1st password is ON, LED will flash and operate like 2) and 3).
- ❺ If you knock the 2nd, 3rd and 4th password continuously like 4), Arming mode changes to Disarming mode and doors unlock automatically.
On the contrary, Disarming mode can change to Arming mode and doors lock automatically.
During Valet mode, doors only can lock and unlock.
※ In case that the incorrect passwords are inputted for more than 5 times, Easy Door Lock function can not be used for 20 minutes.

11-4 LED Display

- ❶ During Arming : 10 LEDs will be ON and OFF continuously 9-0-1-2-3-2-1-0-9-0 for checking the status.

- ❷ During Arming after Shock, Door Open, Hood Open and Trunk open happened, all LEDs will flash continuously faster than usual arming status, 9-0-1-2-3-2-1-0-9-0.
- ❸ When Panic, Shock, Door Open, Hood Open and Trunk open happen, all LED will flash simultaneously.
- ❹ During Disarming : Number 0 LED flashes every 3 second.
- ❺ During Valet mode: Number 0 LED flashes every 10 second.

12. Knock sensor (option setting)





If you knock just twice during Arming, remote bells.
This function can not be used in Key On and Ignition On.

13. LED indicator

Blue LED which is the front side of remote controller blinks every 3 seconds during Arm and keeps off-state during Disarm. Also, vibration function is set, and in case of THEFT, it blinks every second speedy.

14. Battery capacity

- ❶ 1.5V alkaline(AAA) battery lasts longer.

- ② More than 1.4V  appears.
- ③ 1.3V~1.4V  appears.
- ④ 1.2~1.3V,  appears.
- ⑤ 1.2  appears.

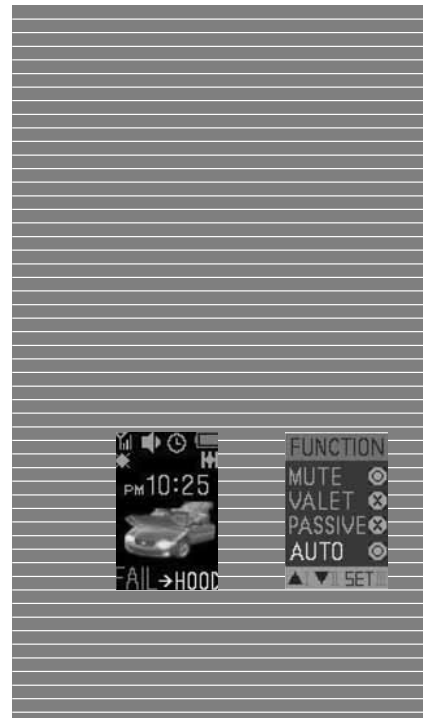
Reference

- f When the battery capacity is lower than 1.3V, OLED becomes darker to save battery.
- f When [AUTO DOOR] is set, the battery's self life will be shorter.

15. No Communication

There are two cases unable to communicate.

- The distance between car and remote is out of communication distance.
- When there is some occurrence to signal to the remote, the car send signal during 5 second. If you play the remote during the 5 seconds, it can not receive.
- In these cases, "NO COMM" is displayed on OLED.

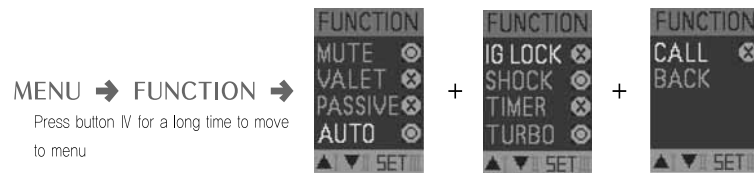


MENU





MENU


1. Setting up the functions



1) Silent siren mode (On/Off)

Press button I or II and choose [MUTE] and press button III for 0,5 second. Choose  then the icon blinks. Press button III for a long time,  stops blinking then [MUTE] is selected. In this mode, siren does not activate during Arming and Disarming only. The siren operates in other modes (Panic, Shock, Theft).

2) Valet function

Press button I or II and choose [VALET] and press button III for 0,5 second. Choose  then the icon blinks.

Press button III for a long time,  stops blinking then [VALET] is selected.

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 served (example: car wash, parking lot and auto repair shop).



NOTE

If you want to use this mode manually, insert the key into the key box and rotate between ON & OFF 4 times within 10 seconds.


3) Passive mode


1 Press button I or II and choose [PASSIVE] and press button III for 0,5 second. Choose  then the icon blinks.

Press button III for a long time,  stops blinking then [PASSIVE] is selected.

- ② The doors are locked automatically in 30 seconds after all the doors are closed and engine is off.
- ③ In auto start, it is same as ② and it does not operate during V-let mode.
- ④ When [AUTO] is  activates as [AUTO], even [PASSIVE] is .

4) Auto door

Press button I or II and choose [AUTO] and press button III for 0.5 second. Choose  when the icon blinks. Press button III for a long time  stops blinking then [AUTO] is selected.

 appears on remote LED.

The doors are unlocked when the car owner with the remote approaches to the vehicle and arm the vehicle after 20 seconds when the car owner with the remote is far away from the vehicle.

When Arming mode is set automatically without opening the door after Disarming in auto start, this function is suspended.

* This function is unavailable when the door is open or the vehicle is started up.

[How to operate the Auto Door]

(1) When car owner wants to open the door automatically.

1step : Car owner with remote comes near to the car.

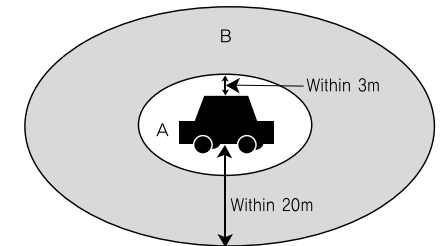
- 2step : When car owner reaches with remote "A area", the approaching sensor installed in the car acts.
- 3step : Remote and antenna module in the car communicate by wireless
- 4step : Because car owner is in the communication distance "B area", they confirm password.
- 5step : In case of correct password, the doors are unlocked.

(2) When car owner wants to close the door automatically.

- 1step : Close the door of the car.
- 2step : Car owner goes out of "A area".
- 3step : The doors are locked in 20seconds.

(3) In case that the doors are unlocked regardless of owner's intention

When car owner with remote is in communication distance "B area" and other car or person approaches to the approaching sensor "A area", the doors will be unlocked regardless of the owner's intention.



A: approaching sensor's act area
B: wireless communication distance area