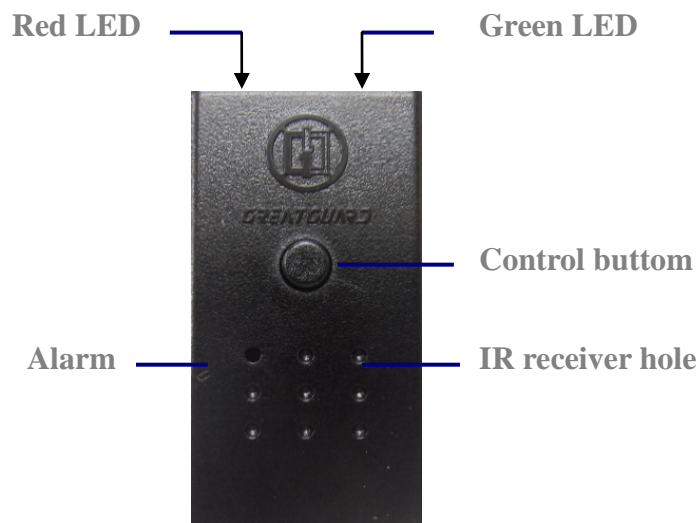


G-367RAB OPERATION GUIDE



IR remote controller



IR receiver

SPECIFICATION

- * System Parts :
 1. Hydraulic control unit
 2. Main control unit
 3. IR receiver
 4. IR remote controller
 5. Cables and other : 6-pin Cable x1 、 Power wires (Red & Black) x 2 、 2-pin power cable (Red / Black) x 1 、 Manual switch and switch case x 1 、 3M sticker x 2 、 **3-pin wire with connector x1 (Optional)**

- * Voltage Range : DC 10.5 V — 14 V

- * Fuse rating : 3 A

- * Current consumption (Stand-by) : < 16 mA

- * Current consumption (operation) : 0.5A (Normally) - 1.8 A (System reset)

- * IR Remote Controller : Battery — CR 2025 (Lithium Battery) 3 V

- * IR Receiver : Around 30° (Transmission Angle)

- * Original password : 8888

Signal indicator explanation

| Signal display | Explanation | Remark |
|------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Green LED ON (2 Bip sounds) | Security relief (Unlocked) | Able to drive after switch off the manual switch |
| Red LED Green LED ON (1Bip sound) | Security set locked | Press the brake pedal to lock the wheels |
| Red LED ON & Green LED sparkling | Three is three (3) times of wrong password during relief of the system | Please do not turn off the manual switch and operation after 5 minutes until the Red LED on only |
| Green & Red LED Green LED ON synchronous (2 Bip sounds) | During "changing the password" procedure after key-in correct original password | Please refer the "changing the password" manual |
| Green & Red LED sparkling alternately (10 Bip sounds) | Wrong operation procedure | Please refer the "system reset" manual |
| Green & Red LED sparkling synchronous | During "system reset" procedure after key-in correct original password | Please refer the "system reset" manual |
| 1 Bip sound | There will be 1 Bip sound for every key-in | Look for service if there is no Bip sound |
| 3 Bip sounds | During "changing the password" procedure after key-in second correct new password | The "changing the password" procedure is completed |
| 5 Bip sounds | Wrong operational order Wrong password | Key- in the correct order Key- in the correct password |
| Continuous 1 long & 2 short Bip sounds (5 times) | Low voltage of car's battery warning | The voltage of battery is below 10.5V and need to be charged |
| Continuous long Bip sounds (20 times) | Motor's line fall off or motor's breakdown | Tune off the manual switch and turn on, Try operation again If can not solve, Please look for service |

NOTE

- * The hydraulic control unit will be automatically power off, if no key is pressed within 30 sec. In order to save the power consumption and prolong the product life. (Exc. IR Receiver)
- * No operation can be done for the battery Voltage under 10.5 V and instead by “ Bip---- Bip Bip ” warning tone.
- * Please don't press brake pedal during the key-in operation.
- * Please don't press the PASSWORD CHANGE (Code) key. It is used only for password changing.
- * In Remote Control operating, the password should be re-entered if the interval of entering the key is more than 10 seconds.
- * When there is three (3) times wrong key-in information during UNLOCK the system. will be shut down for 5 minutes before the new operation is available.
- * The Hydraulic Locking Device of this system is world patented and No power is needed during the car security wheel locked.
- * Please Turn off the power switch when the system is unlocked, Before driving.
- * Please don't open the Hydraulic control unit by yourself.

OPERATION GUIDE

1. Security Setting (LOCK) : (Green LED ON)

- Switch on the power switch (Green LED ON 、 2 Bip sounds)
- Press LOCK – L key (1 Bip sound)
- Key in 4-digits password (1 Bip sound when every key is pressed)
- Red light will ON (1 Bip sound)
- The system is manually LOCK (Red LED ON)
- Switch off the power switch

Note : 1.Please don't press the brake pedal before the Green light is changed completely to Red light.

2. Security Relief (UNLOCK) : (Red LED ON)

- Switch on the power switch (Red light ON 、 1 Bip sound)
- Press UNLOCK – U key (1 Bip sound)
- Key in the 4-digits password (1 Bip sound when every key is pressed)
- Green light will ON (2 Bip sounds)
- The system is UNLOCK (Green LED ON)
- Switch off the power switch

Note : 1.Please don't press the brake pedal before the Red light is changed completely to Green light.

2. Switch off the power switch before driving

3. Changing the password : (Green LED ON)

- Press PASSWORD CHANGE – **Code** key (1Bip sound)
- Key in Original 4-digits password (2 Bip sounds) --- Green and Red LED ON
- Key in New 4-digits password (2 Bip sounds) --- Green and Red LED ON
- Key in same New 4-digits password (3 Bip sounds) --- Green LED ON
- The password is changed (Green LED ON)

Note: **1. It is unable to change the password during the security locked status (The red LED ON).**

2. There will be 5 Bip sounds if the wrong password information is key-in and the procedures should be started again from beginning.

3. In order to secure of the system, the password unable return to the original. So please remember the new password before changing.

4. System Reset : (Green & Red LED sparkling alternately)

- Press SYSTEM RESET – **Reset** key (1 Bip sound)
- Key in the 4-digits password (Green and Red LED sparkling synchronous)
- (System will work 5 sec. After key in the right password)
- Green light will ON (2 Bip sound s)
- The system is reset (Green LED ON)

Note: **1. Don't press the brake pedal before the operation is completed.**

2. Normally it will be within 5 sec. During reset operation, After the right password key in.

3. Don't open the main unit by yourself.

(OPTIONAL PARTS)

5. Security Setting (LOCK) Automatically (Green LED ON)

- Switch on the power switch (Green LED ON)
- Turn on then Turn off the ACC and open the door
- Red light will ON (1 Bip sound)
- The system is automatically LOCK (Red LED ON)

5.1 Decontrol Automatically LOCK (Green LED ON)

- Press **L** key (1 Bip sound)
- Press **U** key (1 Bip sound)
- Key in 000 (1 Bip sound when every key is pressed)
- Green light ON (3 Bip sound)
- The system must be manually LOCK

5.2 Resetting Automatically LOCK (Green LED ON)

- Press **L** key (1 Bip sound)
- Press **U** key (1 Bip sound)
- Key in 111 (1 Bip sound when every key is pressed)
- Green light ON (3 Bip sound)
- The system have Automatically lock function

Note: **1. The system can not be operated during the ACC is power ON.**
2. It is unable to operate the function during the security locked status (The red LED ON).

OPERATION OF CONTROL BUTTOM

If the password is 1234 :

1 When it is in GREEN LEDs (UNLOCK):

Press Control Buttom for 2 seconds (Long bip for 1.5 sec.)

→ **LOCKED** → **RED LEDs lighted.**

2 When it is in RED LEDs (LOCK):

Press Control Buttom for 2 seconds → Long bip for 1.5 sec.

→ **Press** Control Buttom ONE time

→ **bip (for number "1")**, After 1.5 sec. → bip for 1sec.

→ **Press** Control Buttom for TWO time

→ **bip bip** (for number "2"), After 1.5 sec. → bip for 1sec.

→ Press Control Buttom for THREE times

→ **bip bip bip** (for number "3"), After 1.5 sec. → bip for 1sec.

→ Press Control Buttom for FOUR times

→ **bip bip bip bip** (for number "4"), After 1.5 sec. → bip bip.

→ **Then UNLOCK** → GREEN LEDs is lighted.

3. When the interchanging flashing of RED and GREEN LEDs (RESET) :

(The same request like above.)

Remark:

[1] The time needed to enter the key of a number of a password should be less than 1.5 seconds. After >1.5 seconds (have long bip for 1 sec.) it will enter to next number of the password. (and so on)

[2] There will be ONE bip sound of every time entering Control Button (when you begin to put the code).

[3] The total time needed to enter a number of a password should be less than 8 seconds. For example, if the password is "0", then you have to enter continuously the Control Button of 10 times within 8 seconds.

PS : In the following cases, you will hear 5 short bip sounds (similar to the wrong message during Controller Operation), then you will get into the beginning operation mode:

[1] When you press the Control Button continuously for 2 seconds, you will hear long bip sound for 1.5 seconds. But if there is no press Control Button and password within 8 seconds, then you will hear 5 short bip sounds, that means you can re-start the operation.

[2] If you find the wrong password entering, you just leave it for 8 seconds, and you will hear 5 short bip sounds. Then you can re-start the operation.

[3] If you enter and complete the four password but you find it is wrong, you will hear 5 short bip sounds and you can re-start the operation.

[4] if the password is "0", then you have to enter continuously the Control Button of 10 times within 8 seconds. If you press it over 8 seconds, You will hear 5 short bip sounds and you can re-start the operation.

Trouble Shooting

| Trouble | Possible cause | Shooting |
|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.No power supply | 1.The power supply' s wires fall off from the car' s battery 2. Fuse break 3.Have no turn on the manual switch | 1.Please connect the wires to battery 2.Change the new fuse (2A) 3.Turn on the manual switch (There are red light on the switch) |
| Turn on the manual switch , But have no light show on IR receiver | 6-pin CABLE fall of from IR receiver | Connect 6pin CABLE with IR receiver |
| IR remote controller have no function | 1.The IR remote controller' s battery exhaust 2.The IR remote controller have no aim at the receiver | 1.Change the remote controller' s battery (Lithium battery CR2025 、3V) 2.The Transmission angle of receiver is 30° 3.Turn off and turn on the manual switch and operation again |
| Red LED ON & Green LED sparkling | Three is three (3) times of wrong password during relief of the system | Please do not turn off the manual switch and operation after 5 minutes until the Red LED on only |
| Green & Red LED sparkling alternately (10 Bip sounds) | Wrong operation procedure | Please refer the "system reset" manual |
| Continuous 1 long & 2 short Bip sounds(5 times) | Low voltage of car's battery warning | The voltage of battery is below 10.5V and need to be charged |
| Continuous long Bip sounds (20 times) | Motor's line fall off or motor's breakdown | Tune off and turn on the manual switch and Try operation again If can not solve, Please look for service |
| The Green & Red LED ON synchronous on the IR receiver when turn on the manual switch (No Bip sound) | The 4-pin Cable fall off from the main control unit | 1.Insert the 4pin Cable to main control unit 2. If can not solve, Please look for service |