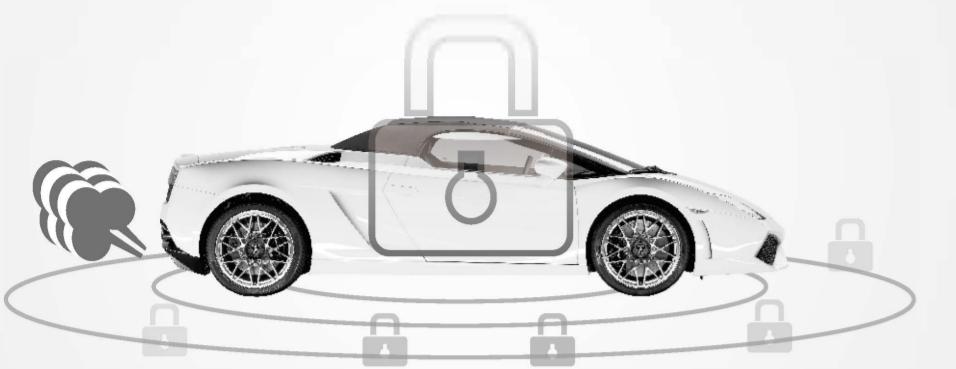


# USER MANUAL

## LC090 2-way car alarm system host

Engine start



CE FC ISO/TS16949:2016

### 1.1 Anti-hijacking

When driving, keep pressing the button " " for 2 seconds or above to enter into Anti-hijacking function , the light will flash urgently, the siren will chirp loudly and flash light will flash. the engine will be cut off automatically after 20 seconds ,only press the button " " can disarm.

### 1.2 Door opening flash lights setting

Switch ACC to ON position, keep pressing the button for 2 seconds, the siren will chirp twice to set door open with flash lights function. Keep pressing the button " " for 2 seconds to cancel this function, the siren will chirp once.

(Note:Factory default setting is on)

### 1.3 Emergency Disarm

Two Methods:

Fist Method:Open the door, and keep pressing the footbrake, then switch the key From OFF to ON position ten times. Then keep it on the ON position for 2s or more at last time. The system will disarm, and enter into emergency disarm status; Can not set arm again unless remove this status. At the moment, press " " button on transmitter can remove this status or match another transmitter to remove this status after code learning.

Second Method:Switch the ACC from OFF to ON position and then press reset button once to disarm the system and enter into Emergency Disarm status. Car owner cannot set arm unless cancel this function. Press the button " " can cancel this function or change other transmitter and proceed learning code to cancel this function.

### 1.4 Alarm reminding and auto-alarm

After parking and cutting off engine, the owner closed the door and left the car after 8 seconds, the siren will make a sound "be ..... be" three times to remind to set the alarm, the transmitter will alarm with vibration ,the icon " " and " " will gleam alternately for 5 seconds to remind owner setting alarm. If not alarm within 30 seconds, the arm system will turn into the silent arm status (please set Auto-alarm on transmitter) the door will not lock and the icon " " will blink 5 seconds and then the icon enter into " " , and "AUTO-ALARM " icon will be on with music.

When set AUTO-Alarm on transmitter, after parking and engine cut off, owner close the door but not arm, owner can press the button " " twice within 5 seconds to disarm the system completely before the Auto-Alarm system working.

►4

### 1.23 Window roll up automation

When in sound/flash arm status,silent arm status or Auto-arm status, the power window lifting s lifting signal will output for 20s.

### 1.24 LED indicator

In arm status, LED light will gleam 2 times every 2s to remind the owner and warn others that the car is in arm status. If the alarm is triggered by hit or microwave, the LED will gleam quickly and constantly when in arm status. The LED will gleam 4 times every 2s after the alarming to remind the owner of alarm being triggered before. It will stop until disarm and turn ACC to on position. If alarm system is triggered by door opening, ACC ON, or foot brake pressing, the LED light will gleam quickly and continuously until disarm and switch ACC to ON position.

### 1.25 Triggering Memory

In arm status, if the system triggered to alarm, the triggering information would be recorded. When disarm and open the door, the main unit will emit a sound to remind car owner to check the car since the alarm was triggered .Turn ACC to ON, the LED light will stop gleam.

A.Alarm triggered by hit, to remind the car owner, the siren will sound like "Du-Du" twice .The siren will not chirp if it is in the silent arm status. LED light will gleam to remind the owner of alarm being triggered by hit and to check the vehicle. Switch ACC to ON position, LED light will stop gleam.

B.Alarm triggered by side door opening , ACC, foot brake the siren will emit sound "Du-Du-Du-Du" for four times, LED light will gleam continuously remind the car owner to check vehicles.The LED will stop gleam until turn ACC turns on.

When system disarmed , the car owner opens the door ,the triggering memory will remind the car owner that the alarm system was triggered. If ACC ON, it will delete the triggering memory.(when it is disarmed without ACC on, open the door two times, every time will trigger to alarm, and then the memory will be deleted except the LED indicator.)

### 1.26 Power status reminding

When battery power is low, press any button on the transmitter to finish corresponding action, it will emit a warning tone to remind the battery power is low. Meanwhile, the battery icon will show the corresponding electric quantity. There are total four bars, if have four means full power; if the battery icon only have the frame means that need to exchange. When not press the button, sensor will detect the battery at any time.

►5

### 1.27 Electrical / pneumatic locking

There is a switch "J1" on the transmitter, shift it to the "electrical power lock" position, press the button " " or " " , lock or unlock time is 0.5s. The car should be fitted with Electric lock.

When shift it to the " pneumatic lock " position, press the button " " or " " to lock or unlock lock and unlock time is 3.5s .The car should be fitted with pneumatic lock. It's according to the vehicle mode.

Note: The system default setting is Electrical lock.

### 1.28 TIME, AUTO-ARM, shock setting

①Keep pressing the button " " and " " for 1 second simultaneously to enter into the setting mode, the transmitter will sound once and " " will gleam at the moment.

②Then press the button " " to switch settings (times/minute, time/hour,Alarm clock on/Off, Alarm clock /Minute, Alarm clock /Hour, and AUTO-ARM on/off) circularly. Corresponding icon will flash.

③Press the button " " to adjust the setting data, then press the button " " for the next setting adjustment. Press the button " " and " " at the same time for 1 second can save the setting mode and then exit the setting. If press the button " " , the setting will not be saved.

parameter setting:

④Time: hour and minutes setting.

Alarm: To set the alarm clock on/off,hour,minute; When the alarm ringing, the alarm clock icon will gleam and the background light will light on.

⑤AUTO-ARM: Set the the system arm automatically, ON means arm automation will work when the car door close well on roughly 1 minutes. OFF means the arm automation will not work when the door close well on roughly 1 minutes.

⑥Auto-alarm:to set the system enter in to arm status automatically.

⑦Exit: press the button " " and " " simultaneously, then save and exit the setting mode. The transmitter will emit a warning sound and then return back to standby mode and time display.

►6

### 1.29 Background light

Press the button " " and " " once simultaneously, the background light will light on for seeing the time on screen at night easily.

### 1.30 Valet/service mode

1.Switch ACC to the ON position, keep pressing "setting" button for 2s , the transmitter will emit a sound "Bi". After 5s, then press the mute button, a sound "Bi" from siren remind the valet mode has been activated, and the LED indicator will be on all the time.(When the valet mode is activated, the transmitter can open or close the door, no matter if the ACC switch on or not. If use transmitter to release the trunk, other functions will be shield)

In valet mode, then keep pressing "setting" button for 2 seconds ,the siren will chirp 2 times,LED indicator will off to remind valet mode has been exited successfully.

2.Switch ACC to the ON position, press reset button for 5 times , the siren will chirp once the LED indicator will be on all the time to remind the owner the valet mode is activated successfully. In valet mode,press reset button 5 times, the siren will chirp 2 times, the LED indicator will be off to remind valet mode has been exited successfully.(When the valet mode is activated ,the transmitter can open or close the door, no matter if the ACC switch on or not. If use transmitter to release the trunk, other functions will be shield)

(Note:The factory default setting is OFF)

### 1.31 Turbo timer mode

After driving, hold the hand brake, and take off the car key, the system will enter into turbo timing mode automatically; the engine running for 2 minutes, at this time, if open the door and close again, the system will exit exit or you can press the button " " for 2s to exit directly.

When parking and take away the key then open and close door, if the system is in disarm mode, open the door again the system will exit the turbo timer mode, at this time, start the engine by remote, the siren will chirp 5 times and flash light gleam 5 times.

Turn the car key to ACC ON position, press the button " " and " " at the same time to open or close the turbo timing mode. If the siren beep once which mean active the turbo timer function The default setting is OFF .

►7

### 1.32 Door detecting and dome light delay

1.When press the button to enter into arm status, if detected the side door closed improperly, the system will remind every 8s. If detected the door still not close well, the system will remain detecting till 45s. After 45s, it will alarm directly if the door still closed improperly. If detected the door closed well at any time

2.Press unlock button in auto-arm status, the system will detect for 0.5s, If a signal output from the side door (the system can identify if the car is fitted with dome light), will enter into arm status after 55s. If there is no signal output from the side door, the system will identify that there is no dome light function. After 25 seconds, the system will enter into the arm status .

### 1.33 Code learning

Method1: Keep pressing the footbrake, and switch the key to ON position for 8 times. Then keep it on position in the eighth. LED light will light on. Then press any button on the first transmitter within 8s, LED indicator will gleam, and the siren will emit the "du" sound twice. The transmitter will respond with music, that means the code learning for the first transmitter is successful. Press any button on the second transmitter within 8s, the LED indicator will gleam ,the siren emit a"du" sound 4 times, and the transmitter will respond with music,that means the second transmitter code learning is successful. One brain unit only can match two transmitters. Take off the key after the code learning.

Method 2: Keep pressing the code learning button, LED light will light on. Then press any button on the first transmitter, LED indicator will gleam, and the siren will emit the "du" sound twice. The transmitter will respond with music, that means the code learning for the first transmitter is successful. Press any button on the second transmitter within 8s, the LED indicator will gleam ,the siren emit a"du" sound 4 times, and the transmitter will respond with music,that means the second transmitter code learning is successful. After learning, loosen the button. One unit only can match two transmitters.

►8

### 1.34 Background light

Press the button " " and " " once simultaneously, the background light will light on for seeing the time on screen at night easily.

### 1.35 Valet/service mode

1.Switch ACC to the ON position, keep pressing "setting" button for 2s , the transmitter will emit a sound "Bi". After 5s, then press the mute button, a sound "Bi" from siren remind the valet mode has been activated, and the LED indicator will be on all the time.(When the valet mode is activated, the transmitter can open or close the door, no matter if the ACC switch on or not. If use transmitter to release the trunk, other functions will be shield)

In valet mode, then keep pressing "setting" button for 2 seconds ,the siren will chirp 2 times,LED indicator will off to remind valet mode has been exited successfully.

2.Switch ACC to the ON position, press reset button for 5 times , the siren will chirp once the LED indicator will be on all the time to remind the owner the valet mode is activated successfully. In valet mode,press reset button 5 times, the siren will chirp 2 times, the LED indicator will be off to remind valet mode has been exited successfully.(When the valet mode is activated ,the transmitter can open or close the door, no matter if the ACC switch on or not. If use transmitter to release the trunk, other functions will be shield)

(Note:The factory default setting is OFF)

### 1.36 Turbo timer mode

After driving, hold the hand brake, and take off the car key, the system will enter into turbo timing mode automatically; the engine running for 2 minutes, at this time, if open the door and close again, the system will exit exit or you can press the button " " for 2s to exit directly.

When parking and take away the key then open and close door, if the system is in disarm mode, open the door again the system will exit the turbo timer mode, at this time, start the engine by remote, the siren will chirp 5 times and flash light gleam 5 times.

Turn the car key to ACC ON position, press the button " " and " " at the same time to open or close the turbo timing mode. If the siren beep once which mean active the turbo timer function The default setting is OFF .

►9

### 1.37 Background light

Press the button " " and " " once simultaneously, the background light will light on for seeing the time on screen at night easily.

### 1.38 Valet/service mode

1.Switch ACC to the ON position, keep pressing "setting" button for 2s , the transmitter will emit a sound "Bi". After 5s, then press the mute button, a sound "Bi" from siren remind the valet mode has been activated, and the LED indicator will be on all the time.(When the valet mode is activated, the transmitter can open or close the door, no matter if the ACC switch on or not. If use transmitter to release the trunk, other functions will be shield)

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(Note:The factory default setting is OFF)

### 1.39 Turbo timer mode

After driving, hold the hand brake, and take off the car key, the system will enter into turbo timing mode automatically; the engine running for 2 minutes, at this time, if open the door and close again, the system will exit exit or you can press the button " " for 2s to exit directly.

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Turn the car key to ACC ON position, press the button " " and " " at the same time to open or close the turbo timing mode. If the siren beep once which mean active the turbo timer function The default setting is OFF .

►10

### 1.40 Background light

Press the button " " and " " once simultaneously, the background light will light on for seeing the time on screen at night easily.

### 1.41 Valet/service mode

1.Switch ACC to the ON position, keep pressing "setting" button for 2s , the transmitter will emit a sound "Bi". After 5s, then press the mute button, a sound "Bi" from siren remind the valet mode has been activated, and the LED indicator will be on all the time.(When the valet mode is activated, the transmitter can open or close the door, no matter if the ACC switch on or not. If use transmitter to release the trunk, other functions will be shield)

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2.Switch ACC to the ON position, press reset button for 5 times , the siren will chirp once the LED indicator will be on all the time to remind the owner the valet mode is activated successfully. In valet mode,press reset button 5 times, the siren will chirp 2 times, the LED indicator will be off to remind valet mode has been exited successfully.(When the valet mode is activated ,the transmitter can open or close the door, no matter if the ACC switch on or not. If use transmitter to release the trunk, other functions will be shield)

(Note:The factory default setting is OFF)

### 1.42 Turbo timer mode

After driving, hold the hand brake, and take off the car key, the system will enter into turbo timing mode automatically; the engine running for 2 minutes, at this time, if open the door and close again, the system will exit exit or you can press the button " " for 2s to exit directly.

When parking and take away the key then open and close door, if the system is in disarm mode, open the door again the system will exit the turbo timer mode, at this time, start the engine by remote, the siren will chirp 5 times and flash light gleam 5 times.

Turn the car key to ACC ON position, press the button " " and " " at the same time to open or close the turbo timing mode. If the siren beep once which mean active the turbo timer function The default setting is OFF .

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### 1.43 Background light

Press the button " " and " " once simultaneously, the background light will light on for seeing the time on screen at night easily.

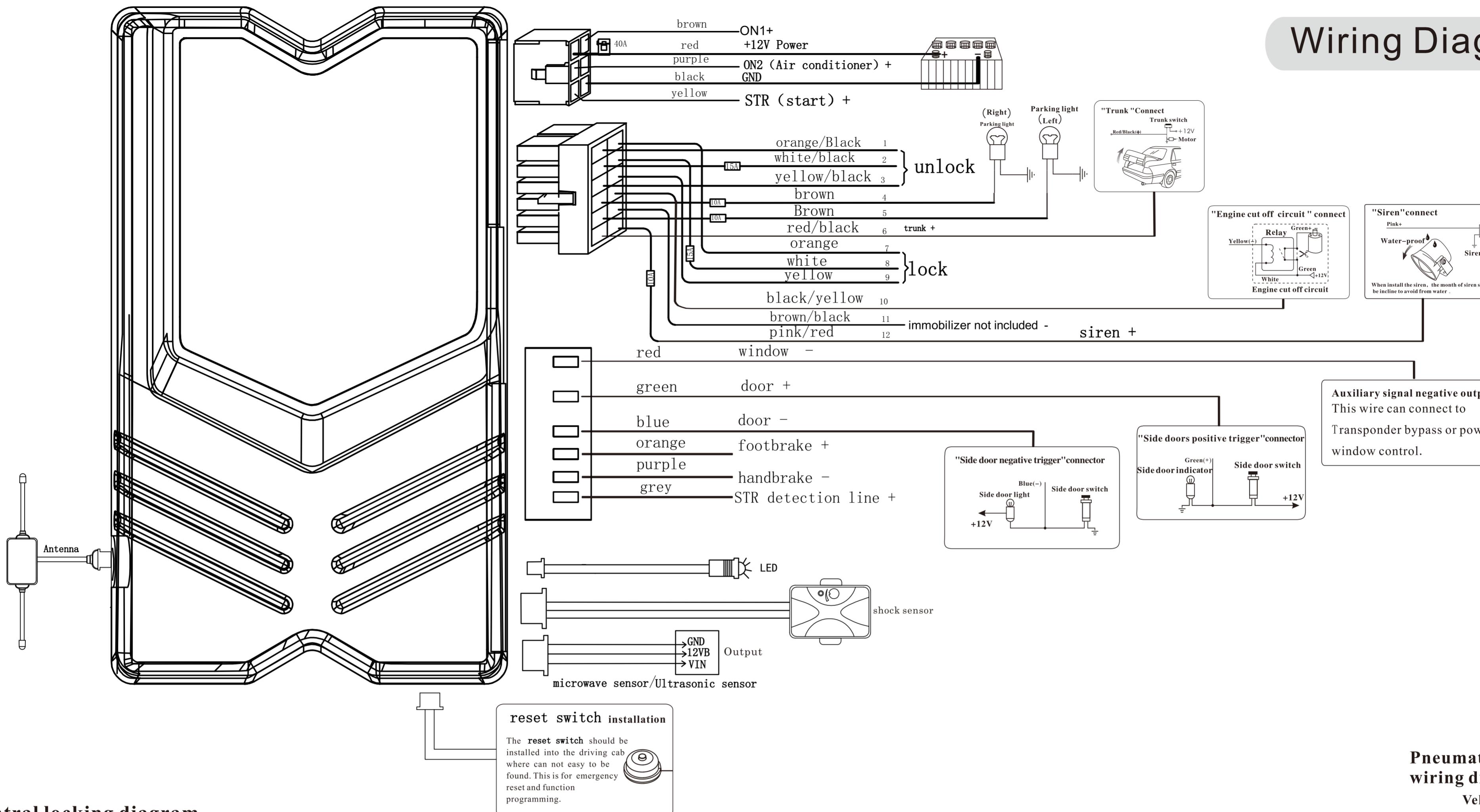
### 1.44 Valet/service mode

1.Switch ACC to the ON position, keep pressing "setting" button for 2s , the transmitter will emit a sound "Bi". After 5s, then press the mute button, a sound "Bi" from siren remind the valet mode has been activated, and the LED indicator will be on all the time.(When the valet mode is activated, the transmitter can open or close the door, no matter if the ACC switch on or not. If use transmitter to release the trunk, other functions will be shield)

In valet mode, then keep pressing "setting" button for 2 seconds ,the siren will chirp 2 times,LED indicator will off to remind valet mode has been exited successfully.

2.Switch ACC to the ON position, press reset button for 5 times , the siren will chirp once

# Wiring Diagram

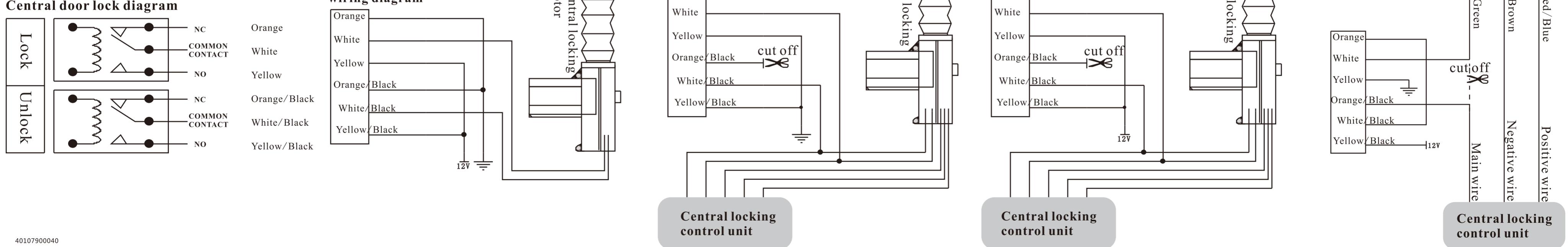


## Pneumatic lock trigger wiring diagram

Vehicle: AUDI, BENZ  
Please open the main brain and choose the central door lock time: 3.5S

**Genuine pneumatic locking control unit**

## Central locking diagram



## **FCC Caution.**

### **(1)§ 15.19 Labelling requirements.**

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.

### **§ 15.21 Changes or modification warning**

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### **§ 15.105 Information to the user.**

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.