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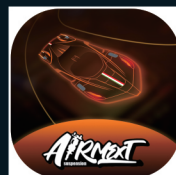
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WeChat



Official Site



APP  
(ANDROID & IOS)

**SN X5 V3**

**AIR MANAGEMENT  
USER MANUAL**



## FOREWORD

Dear customers:

Thank you so much for purchasing AIRMEXT air management ( Type No.SN X5 V3 )

This product adopts the principle of single-chip microcomputer control, receives input commands from the remote control, and controls the solenoid valve group to perform corresponding actions, thereby completing the corresponding suspension action. The product control logic is clear and the production is excellent, which guarantees the reliability of the product.

We are committed to developing advanced suspension control technology to provide you with stable and reliable products and high-quality services. For a great driving experience, please visit our website ([www.airmext.com](http://www.airmext.com)) and tell us your driving experience.

**NOTE:**This product is part of an electronically controlled air suspension system and needs to be used in conjunction with other system components.

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## PARTS LIST

PART NAME	QTY	DESCRIPTION
Wired remote controller	1 piece	LED screen with graphic display for Pressure(PSI)
Manifold valve	1 piece	Integrated ECU+Manifold solenoid Valve group unit
Wiring harness /USB Cable	1 set	High temperature aviation silicone wire
Connectors	6 pcs	air fittings G1/4, Made with stainless steel
Muffler	2 piece	

## Replacement Part Information

If replacement parts are needed, contact the local distributor or call AIRMEXT customer service at 86-18192642063 , or send email to SERVICE TEAM ([service@airmext.com](mailto:service@airmext.com).)

**Most parts are immediately available and can be shipped the same day.**

**Contact AIRMEXT customer service if:**

- Parts are missing from the kit.
- Need technical assistance on installation or operation.
- Broken or defective parts in the kit.
- Wrong parts in the kit.
- Have a warranty claim or question.

**Contact the retailer where the kit was purchased:**

- If it is necessary to return or exchange the kit for any reason.
- If there is a problem with shipping if shipped from the retailer.
- If there is a problem with the price.

**Contact Information:**

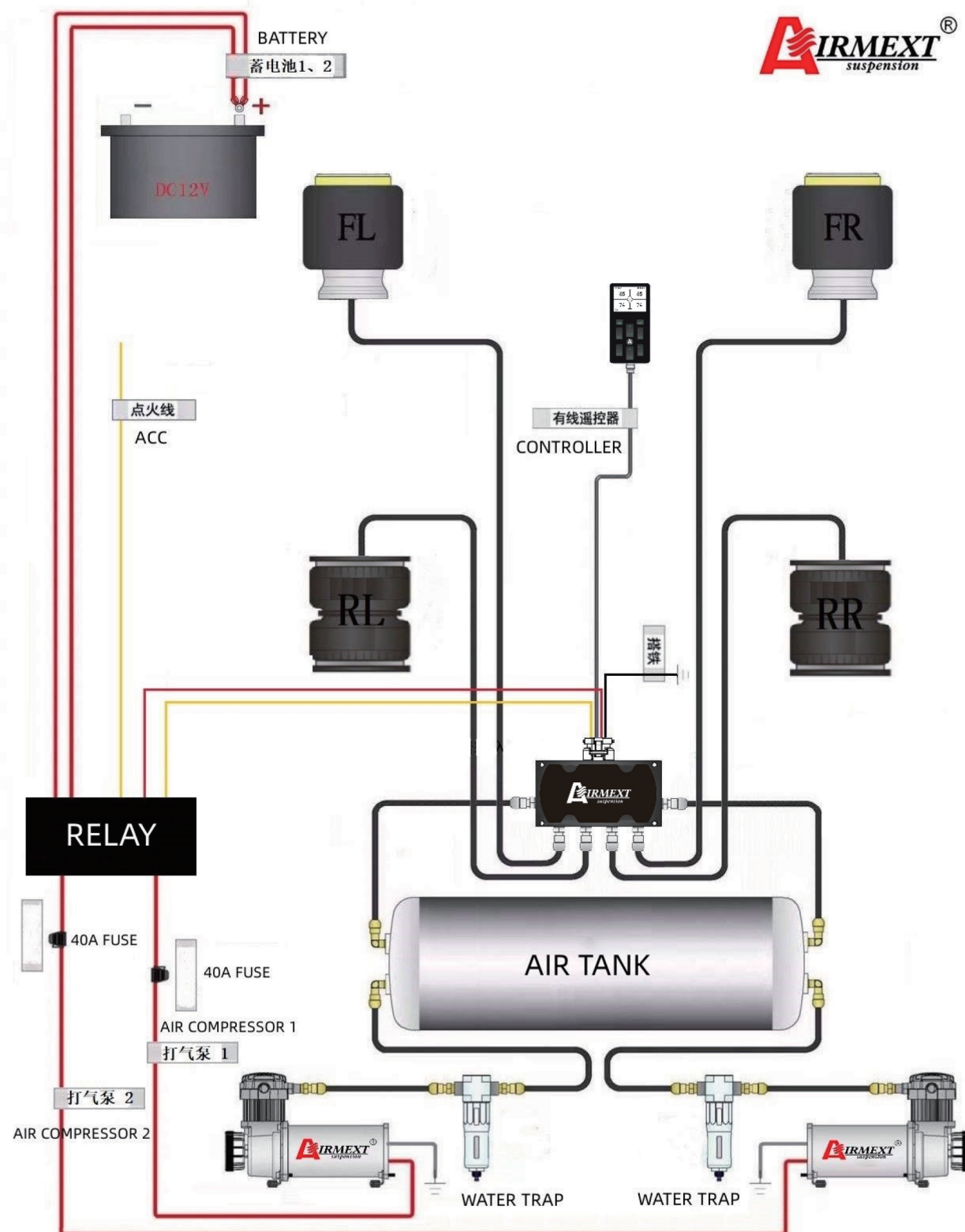
Factory Address: AIRMEXT company service team ,Yufeng Road,Yuxia Town,Huyi District,Xi' an City,Shaanxi Province,CN, 710300

E-mail:[service@airmext.com](mailto:service@airmext.com)

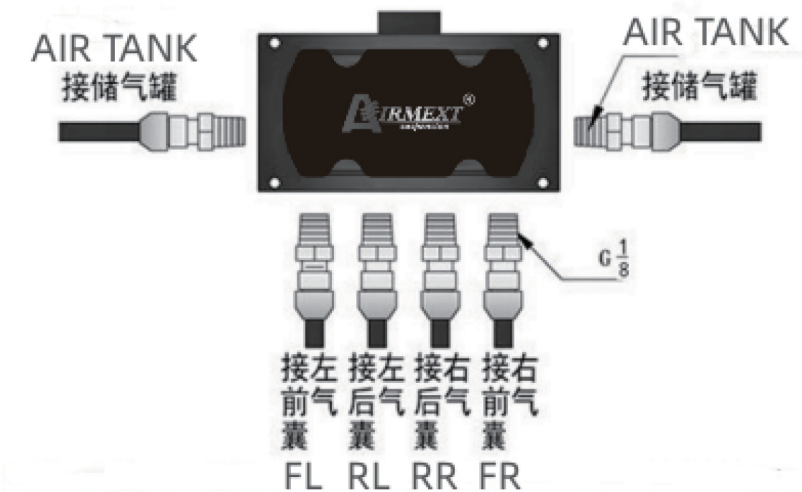
Website: [www.airmext.com](http://www.airmext.com)

# AIR SUSPENSION COMPOSITION LAYOUT OVERVIEW

# AIR LINE



## [1] Connecting Solenoid Valve



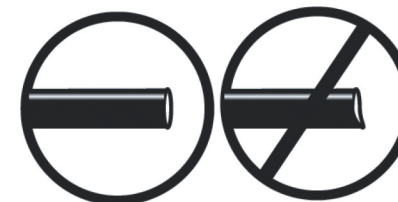
FL=FRONT LEFT RL=REAR LEFT RR=REAR RIGHT FR=FRONT RIGHT

## [2] Connecting Air Spring / Air Pump / Air Tank

1. Connecting the air spring, air tank and solenoid valve group with air hose according to system composition layout diagram
2. under cold climate condition, installing an air filter is recommended to ensure the air suspension system working stably.

### CAUTION:

1. Use standard pipe cutters or blades to ensure that the ends are as round and flat as possible.
2. The air line is away from sharp edges and heat sources, if necessary, using insulated casing.



## [3] Joint assembly guide

1. Check the interface screw holes and joint studs to ensure that there are no contamination and excessive adhesions and cracks.
2. Apply sealant on the joint thread. Do not apply the initial two threads.
3. Screw the connector thread into the interface screw hole and tighten.

### CAUTION:

DO NOT WITHDRAW THE TIGHTENED THREAD FOR ALIGNMENT . UNSCREWING WILL DAMAGE THE SEAL AND CAUSE AIR LEAKING.

## SYSTEM TEST



### SYSTEM TEST

★ Start the car, the air pump will start working and inflate the air tank. The air pump will turn off automatically when inflation reaches the preset maximum pressure. When the tank volume is 20L left then the dual pump re-starts working, this process will take about 2-3 minutes.

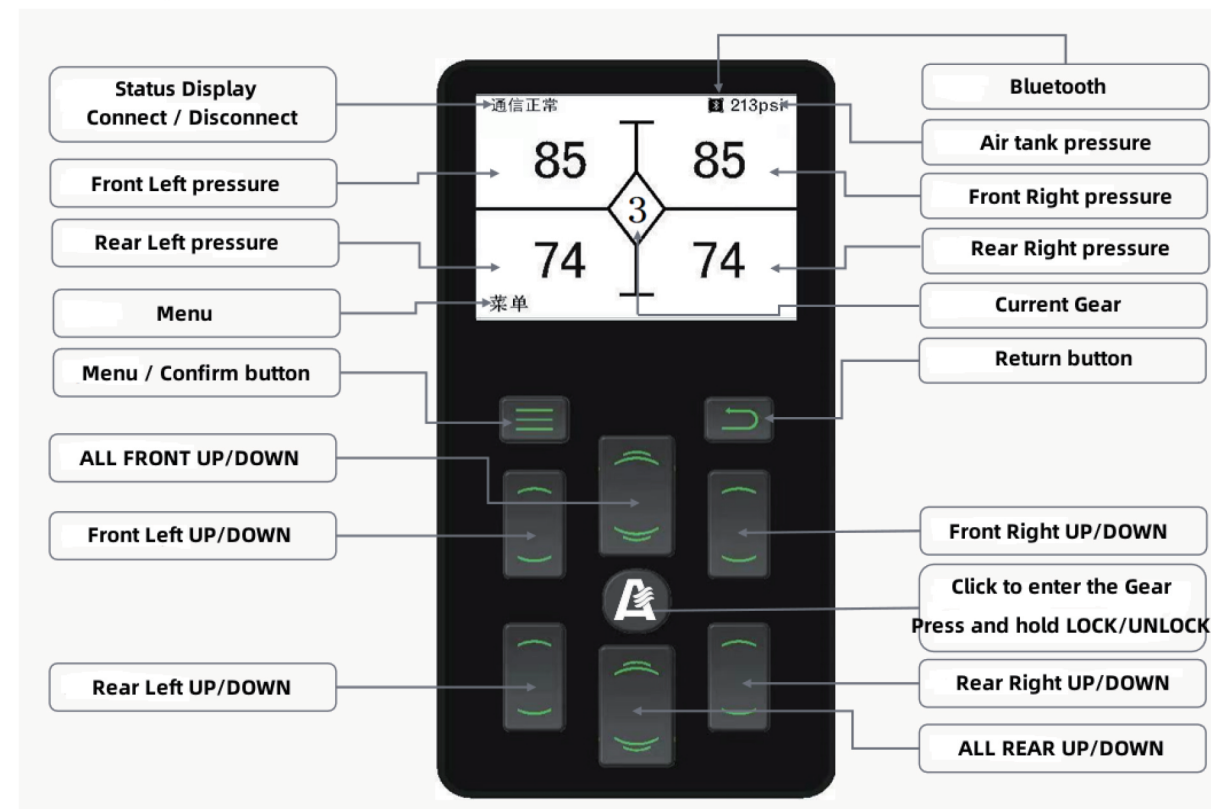
★ As shown on the left, adjust the wired remote control button group to see if the corresponding wheel position will rise and fall. When the body is raised, air will be consumed, and the electric air pump will start automatically when necessary.

★ When the vehicle is erected on the jack, the inspection of the mechanical system can be done properly: check the clearance between the entire range of the air spring and the surrounding components.

★ Check all threaded fittings for leaks with soapy water. When repairing the leak, first lower the lift, then turn off the ignition and let go of the gas in the tank.

★ After most of the components of the system are installed and connected, the system can be tested.

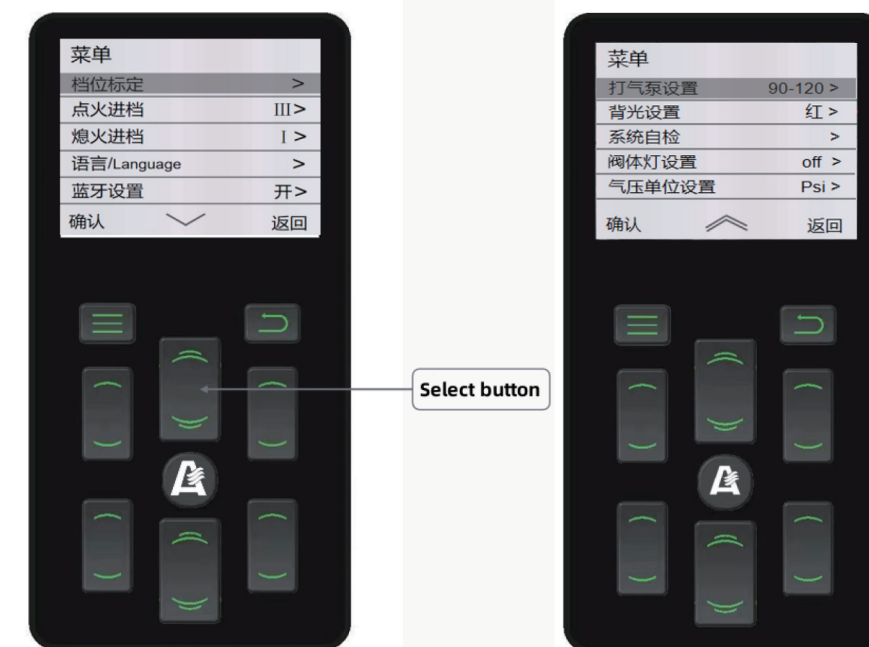
## WIRED REMOTE CONTROL FUNCTION DIAGRAM



## WIRED REMOTE CONTROL MAIN MENU DISPLAY

### MAIN MENU FUNCTIONS

- [1] Calibration-----Gear calibration
- [2] Ignition-----Ignite and shift into gear
- [3] Blanking-----Turn off the engine and shift into gear
- [4] Language-----Language setting
- [5] Bluetooth-----Bluetooth setting
- [6] Pump set-----Air compressor setting
- [7] Backlight-----Backlight setting
- [8] system self-test
- [9] Valve light setting
- [10] Pressure unit setting





# WIRED REMOTE CONTROL FUNCTION INSTRUCTION

## [1] Gear calibration

- ① After the car is installed on the ground, a suitable driving height is calibrated according to the model and tested. Press the Front UP/DOWN or Rear UP/DOWN to adjust the pressure value of both front or both rear air spring. When the vehicle is adjusted to the appropriate height, press the Confirm key to save and press the Return button to exit.
- ② This product has 5 gears, and you can set 5 gears with different body heights to experience according to customer preferences. Each of the 5 positions can be turned on / off independently. The gears will be distinguished by color on / off, "Gray" is off. In addition, the value saved in your last calibration will be displayed in each gear.
- ③ The factory default 5 gears are all open and closed, and the calibration values of the 5 gears are all within 50psi, which is within the safe air pressure range. In order to prevent the customer from misoperation, it is recommended that the customer set a few gears that they can use. (Prohibited to operate while driving)  
Gear calibration (1 to 5 level gear preset): Press the FL,FR,RL,RR Up/Down buttons to adjust pressure value of every single air spring.

### CAUTION:

Maximum pressure 180 PSI / Minimum pressure 0 PSI

30	1	30
30	1	30
40	2	40
40	2	40
50	3	50
50	3	50

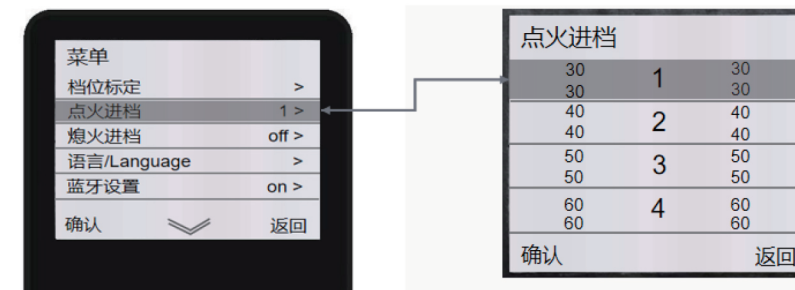
30	30
30	30
30	30
30	30

**Default value of 5 Gear:**  
 Gear 1 all 30 PSI;  
 Gear 2 all 40 PSI;  
 Gear 3 all 50 PSI (Default)  
 Gear 4 all 60 PSI;  
 Gear 5 all 0 PSI;

**TIPS:**  
 If you don't need 5 gears, please close to avoid misoperation

## [2] LGNITE AND SHIFT INTO GEAR

- ① After entering the ignition setting, you can select any one of the five gears as the "ignition entry gear". The closed state of the gear cannot be used, and a "no gear" interface will appear.
- ② "Ignition into gear" can be "on / off", just click "confirm button" in the currently gear, and the interface of "ignition into (some) gear on / off" will pop up.



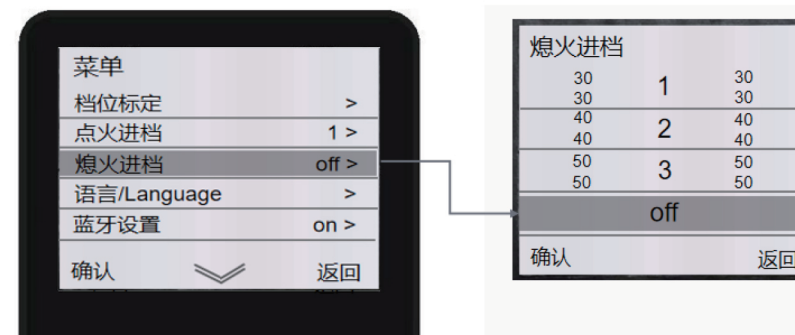
### TIPS:

- ① When "Ignition into gear on" is selected, starting the engine to execute the gear for 10 seconds is not interruptible. In addition, from the start of the engine calculation, within 50 seconds, turn off the engine and pull out the ignition button, the flame out is on, and the vehicle will not lie down.
- ② After the flame is low, the vehicle will ignite again within 15 seconds. When the gear is in the "open" mode, the vehicle will not enter the gear at this time.

### \*DEFAULT: Gear 3

## [3] TURN OFF THE ENGINE AND SHIFT INTO GEAR

- ① Press button "Blanking" to enter, system will enter into "Turn off the engine and shift into gear" it is gear 1 to 5 adjustable (Gear I default), and can be closed (this item can prevent misoperation).
- ② In the process of performing a lowdown, as long as any key is operated, the default is to interrupt the lowdown in time. The time from highest to lowest is 10 seconds. (Prohibited to operate while driving)



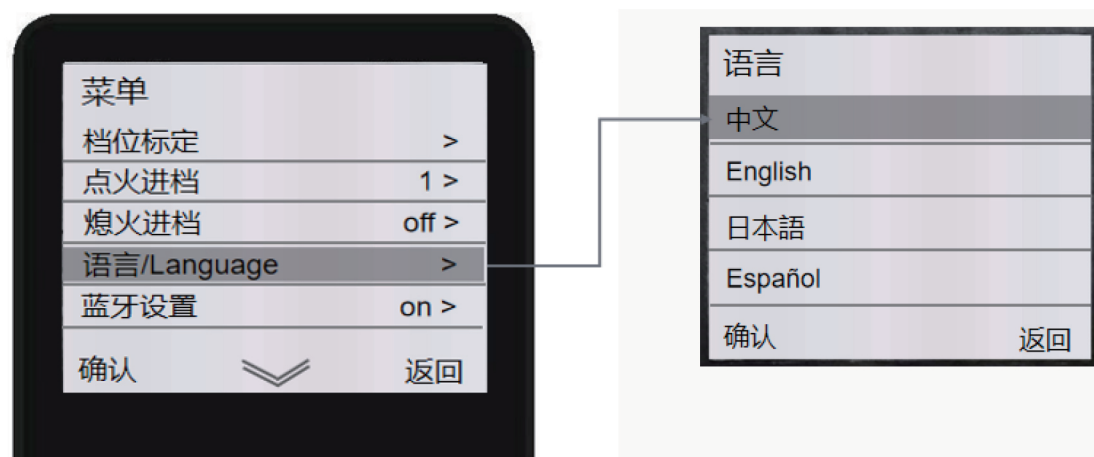
### TIPS:

Application scenarios 1---When you drive through deep water road, this function is more important! Press "Blanking" and turn off engine (as you cannot keep the vehicle running in water), at this time your car will rise to the highest height above the ground(You need to preset any gear as the highest, such as Gear 1 or Gear 5)

Application scenarios 2---If you hope that the car lie down when vehicle stall, preset any gear as the lowest one (such as Gear 1 or Gear 5), car will drop to the lowest when parking.Now show off in front of your friends !

### \*DEFAULT : Gear I

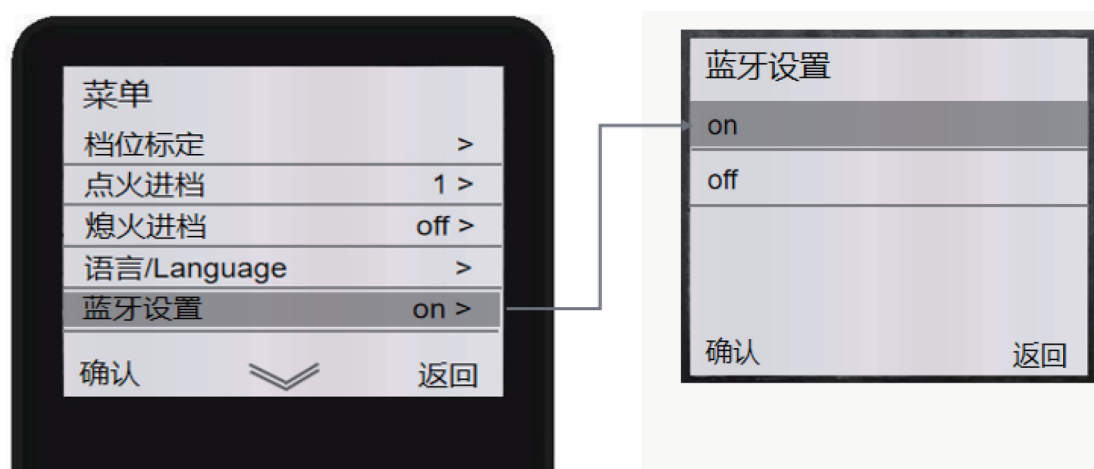
#### [4] LANGUAGE SETTING



- ① This product is available in four languages: Chinese(Default), English, Japanese, Spanish
- ② Press "Menu / Confirm" button to enter the main menu, then enter "Language Setting", select your own language, and click "Confirm".
- ③ Automatic key lock function: When the remote control is not operated, the keyboard is automatically locked after 10 seconds. Press and hold Central CIRCLE button to lock or unlock.

**\*DEFAULT: Chinese**

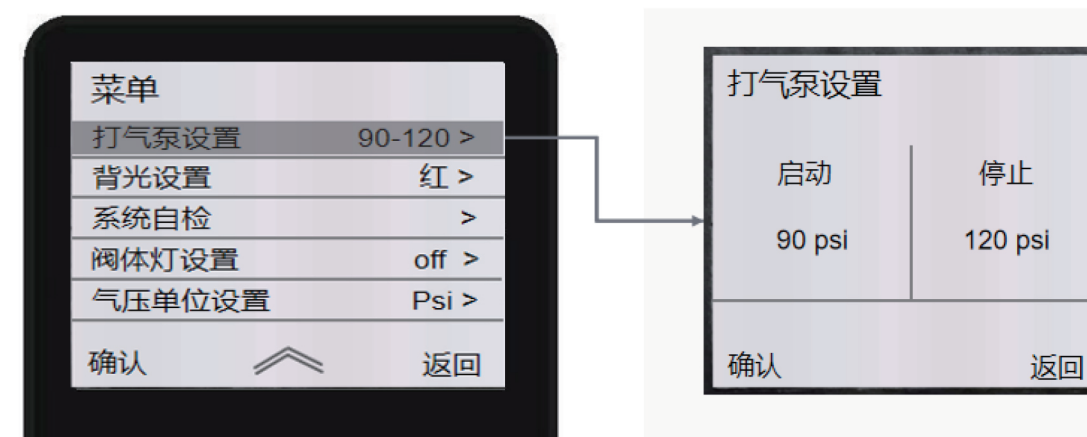
#### [5] BLUETOOTH SETTING



When Bluetooth is turned on, the Bluetooth logo will appear on the main interface. If it is turned off, there will be no display.

**\*DEFAULT: ON**

#### [6] AIR PUMP SETTING

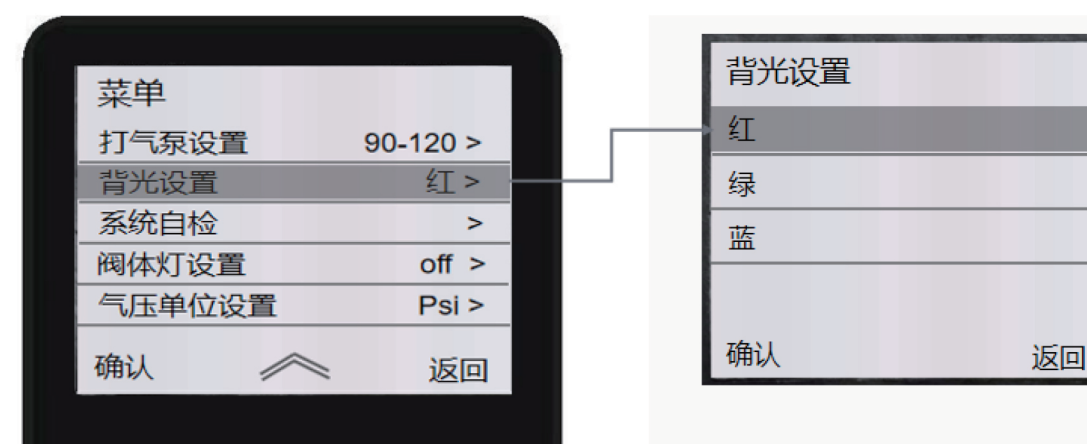


When the pressure value of the air tank is lower than the start preset value (eg.90) , the air pump starts to work; conversely, when the pressure value of the air tank is higher than the stop preset value (eg.120PSI), the air pump stops working.

Pressure range: 90~190PSI

**\*DEFAULT:90PSI ON /120PSI OFF**

#### [7] BACKLIGHT SETTING



Backlight is adjustable, three color light can be set: RED, GREEN, BLUE

**\*DEFAULT:RED**



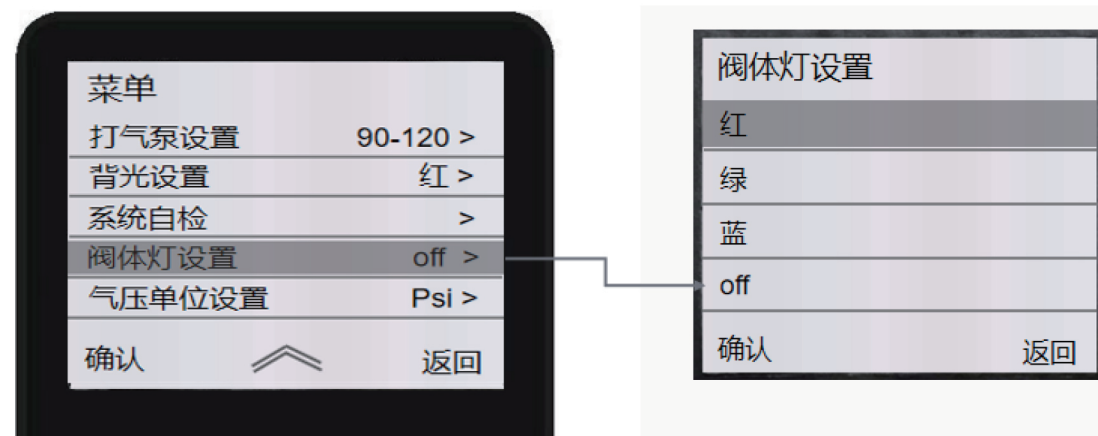
### [8] SYSTEM SELF-TEST



System self-test is mainly air line inspection, which is divided into the following two types:

1. It is detected that there is no air pressure in the air tank ;
2. When the pressure in the air tank is sufficient, the system can detect the air intake volume and exhaust volume of the 4-way air pressure, so as to analyze whether there are problems such as pipe bent, blockage, air leakage, etc.

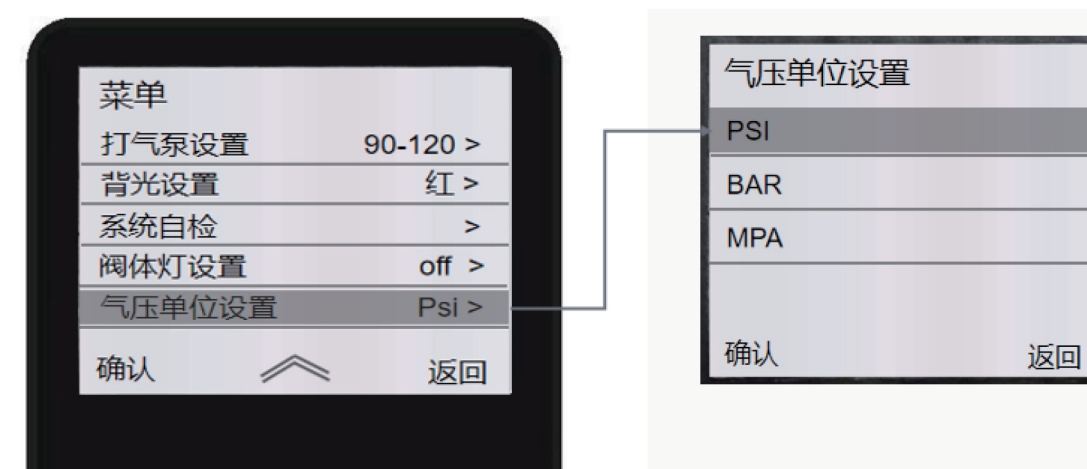
### [9] VALVE LIGHT SETTING



There are 3 kinds of backlight that can be changed for manifold valve.

**\*DEFAULT: OFF**

### [10] PRESSURE UNIT SETTING



Pressure unit can be changed to PSI, BAR or MPA.

**\*DEFAULT: PSI**

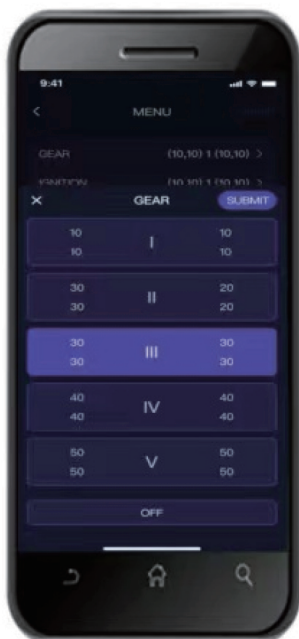
### [11] GEAR SHORTCUTS ENTER

- ① When displayed on the homepage, Double click the Central CIRCLE button to the gear shortcuts enter interface.
- ② After entering the gear shortcut interface, click “Front Axle Up” to 1st level, “Front Axle Down” to 2nd level, “Menu / Confirm” button to 3rd level, “Rear Axle Up” to 4th level, and “Rear Axle Down” to 5th level, Other button return by default, please pay attention to selection.
- ③ The gear position is displayed in gray which indicates that the gear position is closed. After selection, the “NO GEAR” interface will pop up.



## APP FUNCTION INSTRUCTION





### [2] Password Setting Process:

When the "Warm Tips" interface pops up, click the "Confirm" button to pop up another "Set Password" interface. No need to set a password, you can press the "Cancel" button, the system will automatically go to the conventional main interface. Enter the same 4-digit password after "Enter Password" and "Confirm Password". After clicking the "Confirm" button, the password is set successfully. After the password is set successfully, this password is the only authentication to enter the program. Please remember the password you set, if you forget the password, please contact the supplier. If you need to change the password, you can modify the password in the "Other Settings"- "Change Password" column of the menu bar. Press the pop-up window to set the 4-digit password to be modified. To restore the password to the factory settings, change the password to "0000" factory state.

### [3] RESET PASSWORD

If you forget password, need to reset on APP, enter "9999" to erase your old password record, and then enter new password twice directly to reset without entering the old password.

### [4] ECU Start

After the connection is successful, the connection with the ECU is started. The ECU data is refreshed in real time, and all data is fully synchronized with the physical remote control. The following figure is the functional diagram of WeChat Mini Program display interface

