

一、零部件基本信息 Basic Part Information

- ◆ Wireless 5557 Port Design
- ◆ PKE/BLE Inductive Keyless Start Function
- ◆ Turn signal flash/Horn function
- ◆ Learning remote control

二、Vehicle Start and Shutdown

Vehicle start-up:

Bring the smart remote control close to the vehicle (within 1.5 meters),

① Tap once **"POWER"** Let go,

The vehicle detects a valid remote control, the turn signals flash twice or the horn beeps twice, and the vehicle starts.。

Note: Smart remote refers to PKE key or BLE (Bluetooth) key (no manual operation of the transmitter required).

② Press the remote control to unlock and activate the one-key start function (reserved for operation when PKE fails)

Press the unlock button on the PKE remote once “” Key; At this time, the backlight of the one-key start switch flashes. Within 5 seconds, tap the “POWER” one-key start switch button and release it the vehicle. (Times out and exits automatically; press the unlock button on the remote briefly to activate)

(1) Engine off:

When the vehicle is started, **"POWER"** Release the push-button start switch to turn off the vehicle.

(2) PKE Key/BLE (Bluetooth) Key Pairing:

① PEK key pairing: Long press the learning button on the main control board; the turn signal will light up to indicate entering learning mode. At this point, briefly press any key on the remote control; the turn signal will flash once to indicate successful pairing. To pair a second remote control, simply briefly press any key on the other remote control. The system will automatically exit learning mode upon completion or after 10 seconds. The main unit is currently set to pair with a maximum of 2 remote controls.

② BLE (Bluetooth) Key Pairing: Operate with the matched PKE key (ACC_ON, press the unlock key lock key simultaneously for 3s) to enter the main device authorization mode, then click the Bluetooth device name in your phone settings to pair successfully · The device supports pairing with a maximum of 2 mobile phones.

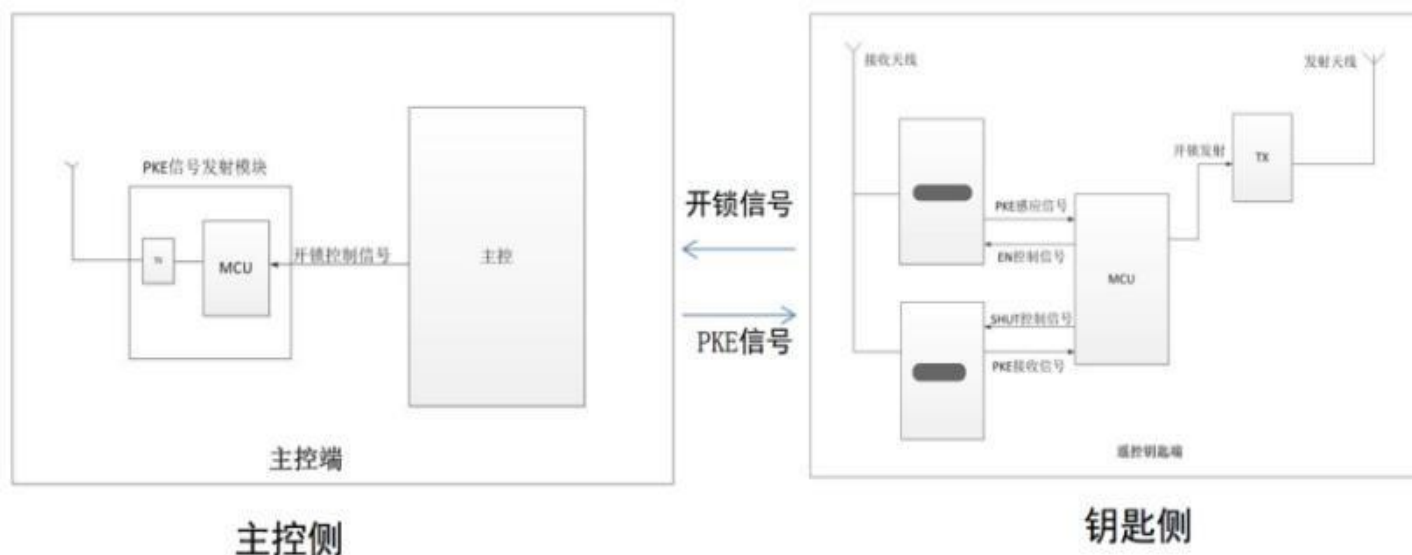
三、基本参数Basic Parameters

- (1) **工作频率Operating frequency:** 433.92MHz (稳频)
- (2) **遥控距离Remote control distance:** ≥ 50 米(Open space conditions, remote control 1.5 meters above ground, main unit 1 meter above ground)
- (3) **工作电压范围Operating voltage range:** 48V/60V/72V
- (4) **静态电流Static current:** $\leq 15\text{mA}$ (test voltage 85V)
- (5) **ACC 使能启动最大持续电流ACC enables maximum continuous current:** 48V 7A / 60V 5A / 72V 3A **(Max: 85V 2A)**
- (6) **工作温度范围 operating temperature range:** -30°C — 80°C

四、PKE 感应参数 /PKE induction parameters

- (1) **感应距离Detection distance:** ≥ 1.5 米
- (2) **感应方向 sensing direction:** X,Y,Z 三轴感应

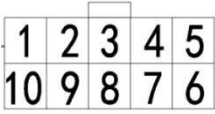
五、PKE 原理图示



六. 主机接插件 (PCB 端) 引脚定义Main Unit Connector (PCB Side) Pin Definition:

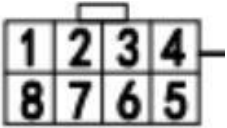


1) 10Pin 引脚定义 /10Pin Pin definition: (插件 5557-2*5AW 母端)



引脚号	功能描述	规格参数	主机连接转接线
1.	电源正极 Anode	48V/60V/72V	红线: 电源正极 (+) Red wire: Power positive (+)
2.	电源负极 negative electrode	GND	黑线: 电源负极 (GND/负极共地) Black wire: Power negative (GND/Shared ground)
3.	喇叭+极 Speaker	12V ≤3A	粉色: 接报警喇叭+极 (预留) Pink: Alarm Horn +Pole (Reserved)
4.	左转向灯+极 left turn signal	12V ≤3A	绿线: 接左转向灯+极 Green wire: Connect to left turn signal +pole
5.	右转向灯+极 Right Turn Signal	12V ≤3A	绿线: 接右转向灯+极 Green wire: Connect to right turn signal +pole
6.	ACC/电门锁ignition lock	48V/60V/72V≤3A	黄线: 接 ACC/电门锁/DC 控制端 Yellow wire: Connect to ACC/Key switch lock/DC control terminal
7.	空		
8.	方向闪灯/喇叭电源输入 (兼容宽电压选择电源输入)	电源+12V (可宽电压选择 48V/60V/72V)	蓝色: 接电瓶电源+12V Blue: Connect to battery power +12V
9.	空		
10.	加速踏板 AD 或车速脉冲 S 信号输入 Accelerator pedal AD or vehicle speed pulse S signal input	AD/SP	橙色: 当检测到加速踏板或车速输入信号时, 就打开 20 分钟自动关闭电门锁下电功能, 如果一直检测不到输入信号, 就不打开 20 分钟自动关闭电门锁下电功能, 一键启动不工作时不检测。 Orange: When an accelerator pedal or vehicle speed input signal is detected, the 20-minute automatic ignition lock power-off function is activated; if no input signal is sly detected, the 20-minute automatic ignition lock power-off function is not activated. Detection is not performed when the one-button start is not working. 温馨提示: 车辆不接加速踏板AD 或车速脉冲S 输入, 主机不会启动以上两个功能, 直接悬空不影响主机正常正常使用! If the vehicle does not connect the AD accelerator pedal or vehicle speed pulse S input, the host will not activate the above two functions; leaving them unconnected doet affect the normal operation of the host!

2),8Pin 引脚定义/8Pin Pin definition: (插件 5557-2*4AW 母端)



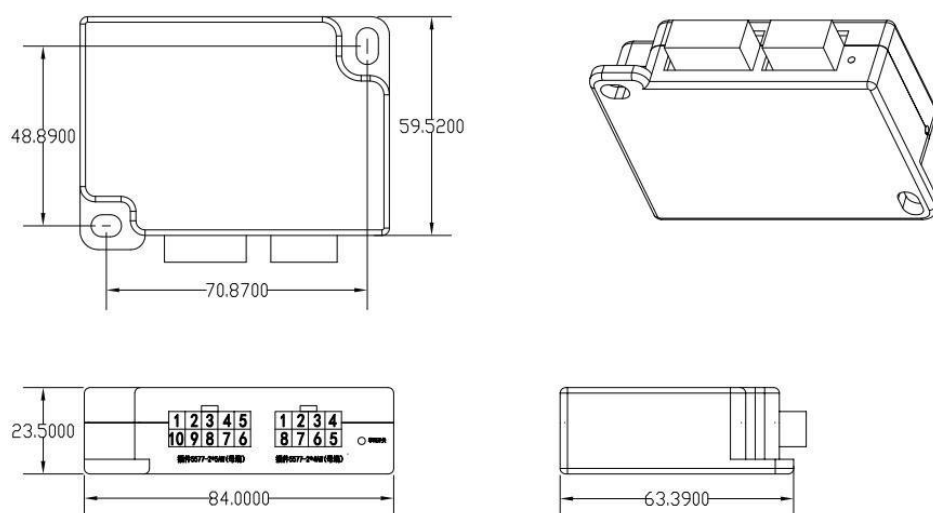
pin	功能描述 Function Description	规格参数 Specifications	一键启动引线接线定义 One-key start lead wiring definition
1	空	/	
2	空	/	

3	一键启动开关-检测信号 One-key Start Switch - Detection Signal	低电平 0V 有效（负控） Low level 0V active (negative control)	黄线：一键启动_开/关信号 Yellow wire: One-key start_On/Off signal
4	一键启动开关-背光 LED+ One-touch Start Switch - Backlit	≤0.3A	红线：一键启动_ 控背光 LED+灯 IGN 状态指示 Red Wire: One-key Start_ Control Backlight LED Light IGN Status Indicator
5	空	/	
6	一键启动-地 GND) One-key Start - Ground	一键启动共地检测输入 One-key start common ground detection input	黑线：一键启动_ 负极(GND) Black Wire: One-Key Start_Negative (GND)
7	GND（预留）	/	
8	空	/	

七 · PEPS 一键启动系统图/PEPS One-key start system diagram :



八. 外形图 Appearance diagram



九 · 产品实物配置图 Product actual configuration diagram



FCC Warning:

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.