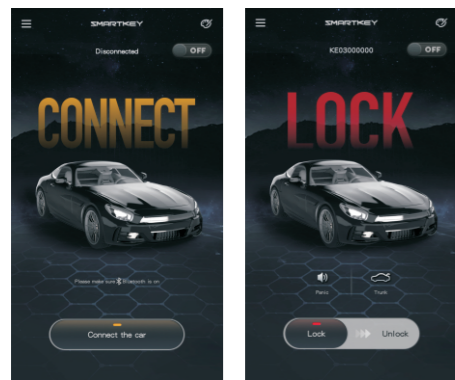


7. Bluetooth operation

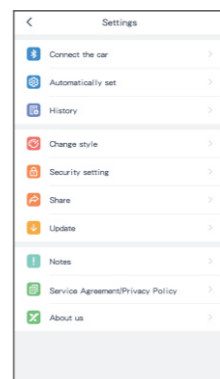
Home page function:



1. The connection status bar at the top of the page, click [Not Connect] to jump to [Select Car] interface, turn on Bluetooth to connect and disconnect the device, and turn on the automatic connection function; When the device is connected, click SN prompts whether to disconnect the connecting device.

2. After connecting and learning success, click the function button to operate the corresponding function. For example, click the unlock button to unlock car.

Function settings



1. **【Connect the car】** Turn on Bluetooth to scan, connect, disconnect and turn on automatic connection in this page.
2. **【Automatically set】** Turn on Bluetooth to disconnect automatic lock, set the automatic lock/unlock, signal strength, and temporary cancellation in this page.
3. **【History】** View the operation record of automatic lock/unlock in this page.
4. **【Change style】** Switch remote with different number keys, and switch different skins in this page. Note: Please select the corresponding number key of remote according to the original remote keys.
5. **【Security setting】** Set security verification methods with digital passwords, gesture passwords, fingerprint passwords or face recognition (different phones display different verification methods) in this page. It needs security verification when opening the APP if turned on verification.
6. **【Share】** Authorize your friend to use the car, enter the password provided by your friend to generate an authorization code and send it to your friend, and your friend uses the authorization code to open the authorization mode in this page.

8. Installation steps

1. Take out the original remote control, solder the cable according to the soldering diagram of the original remote control, pay attention to the direction.
2. Connect the RF antenna, LF antenna (connect any two interfaces of LF antenna), and the original remote control to be transferred.
3. Find the Vbat wire and ground wire from fuse box, OBD interface or other locations.
4. Find the ACC signal line (the original car radio, the line with electricity after the navigation power or the instrument light on).
5. Connect the Vbat wire, ground wire and ACC wire of the power supply cable to the car.
6. Setting DIP switch;
7. Bindings of remote control and mobile phone (refer to binding instruction);
8. Install complete;
9. After installed, take a key close to the car, test the automatic unlock and lock function if you stay away (test other keys in the same way)
10. Test unlock, lock, trunk and car panic function after connecting with APP.

9. Maintenance

- Do not violently hit, shake or throw the host.
- Do not directly rinse the host and components with water or other liquids, and do not wipe the machine with a damp cloth.
- Do not place the host in high temperature, high humidity or dusty environment.
- Do not disassemble or modify the device privately, otherwise it may cause accidents such as damage to the main board or fire.
- Please protect the key components to prevent sharp objects from damaging them.

10. Warranty and after-sale description

SMART KEY BOX has a warranty of 1 year. The warranty starts from the date on invoice. If there is no invoice or the invoice is missing, purchase records from factory is used as reference.

※ Within Warranty, free maintenance and repairing is not provided if the machine becomes dysfunctional due to the following reasons:

- Operation without referring to or violating the user manual
- Modifications or repairs to the machine by individuals
- Falling, knocking or wrong voltage
- Force majeure
- Use of the machine in places such as ships that are bad for the machine for a long time
- Damaged or worn-out plastic case due to frequent use

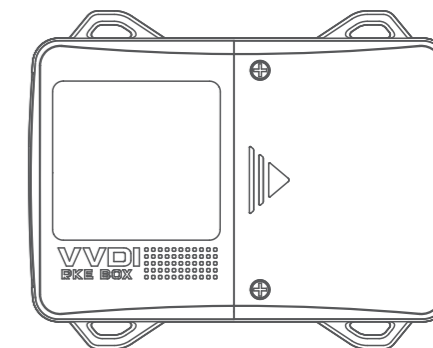
Regarding to customer service and technical support, please contact distributors or Xhorse online customer service team by scanning the QR code on the back and downloading Xhorse official APP.

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SMART KEY BOX

User Manual



1. Product Description

- The product is developed and produced for the aftermarket. It adopts advanced RF technology and is suitable for the car with push start function.
- Support add smart key for car.
- Support add or modify the keyless-enter function.
- The product with simple installation and reliable performance.



2. Product packaging checklist

Name	Quantity
Machine	1
LF antenna	2
RF antenna	1
Power supply cable	1
User manual	1
Product quality certificate	1

3. Specification



Operating Voltage
8V-20V

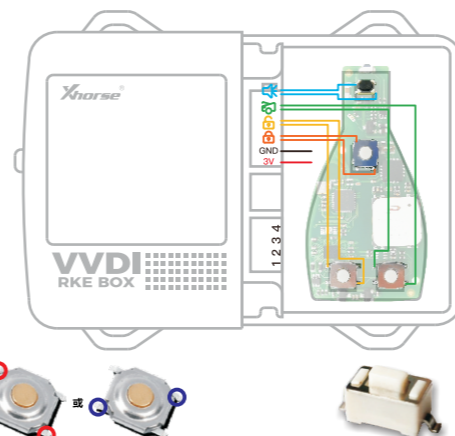
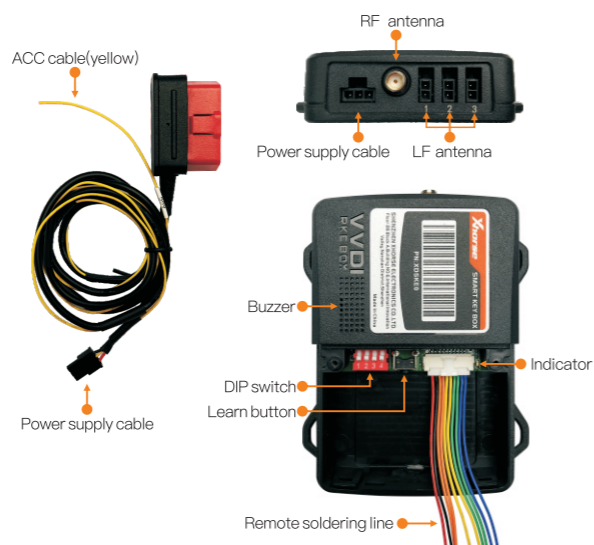


Quiescent Current
10mA(@12V)



Working temperature
-40°C~70°C

4. Installation line diagram



Remote control button with 4 or 5 pins:

It's no need to distinguish the direction, but must be soldered diagonally

Remote control button with 2 pins:

It's no need to distinguish the direction, solder the left and right pin

5. DIP switch settings

If the original key needs regular power supply, turn the DIP switch No. 1 to the ON.

6. Remote control, mobile phone bindings

1. Remote control generation:

Use VVDI device to generate remote control (mini keytool e.g.). Enter Vehicle Remote and search Xhorse in brand list, then choose VVDI PKE BOX 445 option. Support device: MINI KEYTOOL, KEYTOOL MAX, KEYTOOL PLUS, VVDI2.

2. APP download on smart phone:

Scan the QR code below with your phone, download and install the Smart Key APP.



3. Enter learning mode:

Long press the learning button or operate on APP, the buzzer will beep for 3S, and the indicator will light up. All the previously bound keys and mobile phone information will be cleared after entering the learning mode.

4. Bind remote control and mobile phone

<a> Network certification:

Make phone under network and connect with BOX via Bluetooth (name start with KE03, such as KE03000000) for activation authentication. The remote and APP can be learned only after the authentication is successful, or the buzzer will beep 3 quickly to remind that user is not authenticated.

 Remote binding:

Press any button on remote and buzzer get one beep → two beeps → one beep after learned a remote → two beeps → learned a remote, bind remotes as the same method. A maximum of 6 remotes can be bound, the buzzer will beep 5 times quickly if exceed 6 remotes to remind that the bound keys have reached the limit.

<c> Mobile phone binding:

Open the APP and connect the Bluetooth of BOX, click the learning button on the APP prompt, the buzzer get two beeps → Phone prompts learning success → bind phones as the same method after disconnect. A maximum of 6 phones can be bound, the buzzer will beep 5 times quickly if exceed 6 phones to remind reach the limit.

5. Exit learning mode:

Long press the learning button again or operate on APP, or enter the learning mode exceed 10 minutes cause timeout, the buzzer beep for 3S and the indicator light go out, exit the learning mode.

Alarm indicate: When the remote battery is too low, the buzzer will beep 8 times after the car is powered on to indicate that the battery is low, please replace.



Xhorse APP



Smart Key Box

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DOWNLOADABLE FROM GOOGLE PLAY STORE AND APPLE APP STORE

