· If data acquisition success will auto show the data, at the same time the buzzer will beep

芯片拷贝　　　　　　✳ 🔋
采集：63DE9FE8AD6498
请将原车钥匙放回左侧线圈，按[OK]键开始计算，计算过程中请勿移动钥匙

①－②－❸－④
返回　　　　　　　　写入

Picture 2.5
Data acquisition success diagram

芯片拷贝　　　　　　✳ 🔋
密码：4F4E4C484B52
请取出原车钥匙，放入专用46芯片或VVDI电子子机。

VVDI

方向键 ▶ 更多数据
①－②－③－❹
返回　　　　　　　　写入

Picture 2.5
Transponder cloning success

Transponder password, or partial vehicle matching password

After cloning success, please press direction buttons ▶ to view data details

(used for no need password matching vehicle types: like BYD, or view Hyundai and KIA smart key matching password, etc special functions.)

After get the transponder password success, different original transponder types should use different correct types transponder for cloning. please refer to the following list：

Original transponder type	Cloning transponder type	Reusable or not
36/46	YS21 ,Xhorse SN2 key	Yes
4D	LKP02	Yes
4C	LKP02	Yes
11/12/13	T5 Glass or ceramic chip	Yes
30/33/42	PCF7935	Yes
Note：Please enter transponder editing option then select [unlock] for unlock function.		

* Please refer to [FAQ] section to solve the common problems encountered during operating.

3、TRANSPONDER GENERATING

- Support generating hundreds of vehicle immobilize transponder. ID36/ID46 special transponder can be generated by Xhorse SN2 universal (wireless remote) support reuse again.

- Transponder generating function: brand → vehicle model → year/con-figuration. Please select [more vehicle model] to get the transponder type for next process if can't find the proper vehicle model.

  * Attention: Partial special transponder maybe locked permanent after generated, please pay attention to the tool prompts.

4、REMOTE CLONING

Remote cloning includes HCS/fixed code cloning, non-HCS rolling code cloning and remote editing function.

• HCS/fixed code cloning：

Support common fixed code cloning PT22XX、LX918、HT6P20, etc.

Support hundreds of vehicle and garage HCS rolling code remote cloning and generating. Generated remote should be re-programmed to receiver box.

Support all Xhorse Universal remote series.

• Non-HCS rolling code cloning：

Support all fixed code remote cloning.

Support partial special vehicle model(such as Hornor) remote cloning without repeated code.

Support partial vehicle non-repeated code HCS type remote direct cloning.

* This type only support cloning by Xhorse universal wire remote series

• Remote editing：

Support editing PT22XX、LX918、HT6P20、VD5026、AX5326、HT12X etc. Common fixed code format data, and use Xhorse universal remote to emulate.

Support all Xhorse universal remote series.

Prompts area

遥控拷贝　　　　　　　※ 🔋
请按遥控器 🔒 键

98 00 6A 48 5D CB 5D 1B

类型：HCS3XX　　　　码率：222
频率：433.96MHz　　位数：0570

已拷贝2个按键，按[OK]键生成

返回　　　　　　　　继续

Picture 4.1

- For remote cloning, in order to ensure the accuracy of frequency testing, please place the remote front surface close to ③ remote testing area, and short press the relevant buttsons on remote as the device show you. Once receive data, device wil auto beep. During cloning process, transponder type, baud, frequency and bits information are shown on the screen.

* Attention: When the data cannot be received, please check the remote battery and make sure the original remote is ASK code.

- When testing frequency maybe not accuracy, Please use direction buttons to modify the frequency value manually when generating remote.

遥控拷贝　　　　　　　※ 🔋
请使用方向键修改频率，无需
修改请按[OK]键继续下一步

433.92MHz

返回　　　　　　　　确定

Picture 4.2

遥控拷贝

无线子机　　有线子机

请确认保持写入钥匙已放置于
正确位置或已连接本设备。

拷贝　　　再生

返回

Picture 4.3

- The HCS rolling code remote types may signal interface with original remote when cloning. Users can prepare new remote adapt to the car. When cloning remotes by SN series (wireless) remote should be assembled with battery and placed in ① transponder detection area, N series (wire) remote should remove battery and connected to ⑪ Remote programming port with programming cable.

5、REMOTE GENERATING

VVDI Key tool built-in more than 1200 vehicle models remote data (increased continuously), remote pictures and matching information, users can select the relevant data file according to actual vehicle model, use Xhorse universal remote and match to the vehicle control unit by programming.

- The remote generating brand support personalized rank, users can press [OK] till the brand name becoming green and transparent, then use direction buttons to adjust the brand display position, press [OK] to confirm, press [C] to cancel and exit personalized rank mode.

* Attention: Some chip on board remotes only support Xhorse SN series remote.

遥控生成

宝马　欧宝　奥迪

雪铁龙　标致　捷豹

保时捷　奔驰　大众

返回　　　　确定

Picture 5.1

• When generating, SN series remote should be assembled with battery and placed in ① transponder detection area, N series remote should remove battery and connected to⑪ Remote programming port with programming cable.
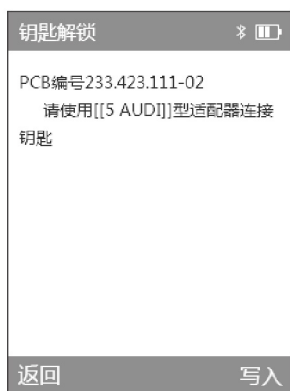

Picture 5.2

6、GARAGE GENERATING

This function is not available for current version; please use the remote cloning function to clone the garage remote.

7、RENEW REMOTE

Picture 7.1

• VVDI Key tool built-in dozens of vehicle models for renew remotes (adding continuously), users can use renew adapter or soldering wires connect PCB to renew.

* For renew remote function please contact your dealer get connection diagram.

8、 FREQUENCY TESTING

VVDI Key tool supports 300–500MHz frequency, relative power, signal modulation and IR testing.

When testing frequency, users press remote button to transmit signal as shown in picture 8.1, the "green wave" moving at the left top of screen indicates that the frequency value and the modulation result are valid. When testing IR, please place the IR emitter head aimed at ⑦ IR testing area, distance depends on signal strength, generally 15–80cm. A small red light will light on at the bottom of screen if the IR signal is detected.

* Attention: If some FSK modulation remote cannot be tested, please short press remote button continuously for testing.

Picture 8.1

9、 SPECIAL FUNCTIONS

- **All key lost testing**

    Place ② Ignition data acquisition & Signal testing close to vehicle ignition coil, if coil has transmitted signal the tool will beep means vehicle coil is working, at the same time according to the transmitted signal tool prompts the transponder type used in this vehicle, support 36,47 and 4D, other types can not supported yet.

- **Toyota smart key unlock**

    Support 40/80 bit original Toyota smart key unlocking. insert original smart key with battery and place on ① transponer detection area, press unlock button to start. LED light on key PCB flashing intermittently indicates unlock success. if failed, please retry until unlock success.

- **VVDI special transponder**

    Used to initialize Xhorse SN series universal remote keys for different types transponder, support 11/12/13/46/47. after initializ success can be used for generating special immobilize transponder and match to the car.

10、 SYSTEM SETTING

- **Back light setting**

    Please use up/down button to adjust back light, press [OK] to confirm, press [C] to cancel

- **Buzzer :**

  Select whether to open the button tone, but cannot turn off the prompts tone of tool normal using. Press [OK] to switch status.

- **Language :**

  According to the regional differences, this tool supports multiple languages available for users to select, please restart tool after change language.

  Change language still keep the same database inside.

- **Bluetooth :**

  This function is not available for current version, will update soon.

- **System upgrade :**

  Display the hardware and software version & how to update firmware.

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