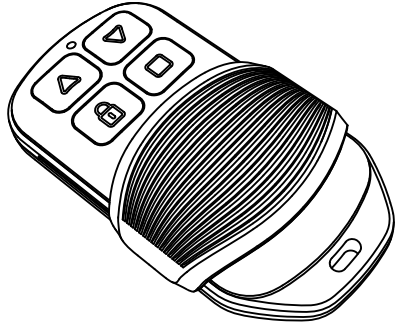
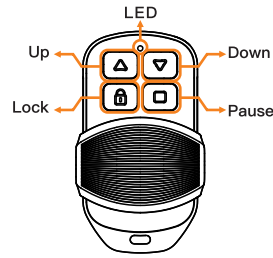




# GARAGE REMOTE User Manual



Xhorse garage remote is special design and easy to use for customers. Support remote cloning(remote clone from original remote), Set frequency, Delete code and Data recovery functions. Also support remote generation for variety of garage remote brands, frequency edition by VVDI KEY TOOL series devices.



### Check delete code status

Before remote cloning function, need to check the garage remote delete code status, make sure remote in deleted code status.

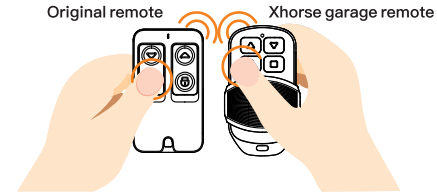
- Deleted code status: The LED will flashing once then go out quickly when keep pressing any button of the garage remote.
- Delete code operation:
  - Press and hold "Up" and "Down" of the garage remote (Up/Down) at the same time, until LED light on. Keep pressing 2 buttons until the LED light off, then release the button;
  - Press and hold "Pause" (Pause), until LED light on then off, then release the button, Delete code successful.

### Remote Cloning

- Preparation work before remote cloning
  - Please confirm the garage remote has been in deleted code status. If not, please do above delete code operation first.

② Make sure the garage remote frequency is same as original remote, in case the remote cloning failed or even remote cloning successful but the working distance too short, working not good occurred.

### 2. Remote cloning operation



- Press and hold any one button of Xhorse garage remote, this remote will enter cloning mode, LED will flashing once then off.(keep pressing the button)
- Press and hold original remote one button(same button as step 1), Put the original remote next to Xhorse garage remote. Once the LED light on means current button cloning successful.
- Following above steps to remote cloning all buttons one by one.

### Set frequency

- Set frequency situation  
There are many different brands of garage remote in market, different manufactures maybe with different frequency. If the original remote and Xhorse garage remote frequency is different, it may caused remote cloning failed or even remote cloning successful but the working distance too short, working not good. Xhorse garage remote support set frequency function(20 frequency point) to ensure frequency same as original remote.

### 2. Set frequency operation

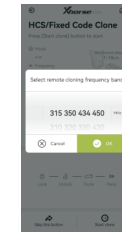
- Enter set frequency mode:  
Press and hold the "Lock" and "Pause" buttons (Lock/Pause) at this time, remote LED light on, keep pressing two buttons until the remote LED light off, then release the buttons.

- Set frequency:  
Press the "Up" button (Up), Press once, LED flashing once. For different frequency with different press times, please refer to following frequency reference table.
- Double check frequency:  
After set frequency successful, release all the buttons. Wait 5 seconds, remote LED will flashing, the flashing times depends on set frequency.(please refer to frequency reference table).

- Exit set frequency mode:  
After remote LED stop flashing, press the "Lock" and "Pause" button (Lock/Pause) immediately, meanwhile the LED light on, keep pressing 2 buttons, until LED light off, then release the button, set frequency operation successful.

### 3. Frequency edition by device

If the remote frequency is not in the frequency reference table, VVDI KEY TOOL series device(VVDI KEY TOOL, VVDI MINI KEY TOOL, KEY TOOL MAX, or KEY TOOL PLUS) support to set frequency at random point. For example: use KEY TOOL MAX cloning 320.5MHz original remote. Take KEY TOOL MAX as an example, copy 320.5MHz garage remote, and the operation steps are as follows:



3.1 Enter KEY TOOL MAX HCS/Fixed Code Clone interface and select 320 frequency range;



3.2 Press the button of the original remote according to the device prompts;



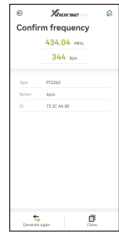
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3.3 Edit the frequency that required;



3.4 Cloning the data. If the original remote and cloning remote function code is the same, it can be solved by programming remote after the rolling code ID regeneration.

### Frequency reference table

Frequency point	Press times	Frequency point	Press times
315.00	1	310.00	12
350.00	2	311.00	13
430.00	3	313.00	14
431.00	4	315.50	15
432.00	5	330.00	16
433.00	6	350.05	17
433.82	7	370.00	18
433.92	8	430.50	19
434.00	9	433.70	20
434.42	10		
304.00	11		
		Other frequency	Set by Xhorse devices

Remark: Use vwdi keytool series device to generate garage remote from "Xhorse\_garage remote copy program" ( Garage remote->Xhorse\_garage remote copy program), and the remote can be set frequency as customer want ( Special function->VVDI remote function->Garage door key customization)

### Rolling code ID regeneration function

#### 1. Rolling code ID regeneration situation

### Rolling code ID regeneration function

#### 1. Rolling code ID regeneration situation

If the garage remote appears the code chasing phenomenon with original remote(original remote press button once and it works, the cloning remote need to press twice then it works meanwhile original remote not work), it can be solved by programing remote after the rolling code ID regeneration.

#### 2. Rolling code ID regeneration operation

- Enter the rolling code ID regeneration mode:  
Press and hold the "Up" and "Lock" buttons (Up/Lock), the remote LED light on, keep pressing two buttons and LED light off;
- Regeneration of rolling code ID:  
Release the two buttons "Up" and "Lock" (Up/Lock), then press and hold the "Pause" button (Pause), meanwhile LED light on, Keep pressing the button until remote LED light off, rolling code ID regeneration operations successful;

**Note:** The garage remote regenerated by rolling code ID can only be used after programing again. Need to find the learning button on the control box of the garage door, then operate the learning and matching procedures according to the instructions of the control box.

### Data recovery function

#### 1. Data recovery situation

When the garage remote is deleted code by mistake operation(garage remote in deleted code status), Data recovery function support recovery the code data from last time.

#### 2. Data recovery operation

Press and hold the two buttons "Down" and "Pause" (Down/Pause) 3 seconds, remote LED light on, data recovery operation successful.

### Supplementary notes

The garage remote default built-in cloning program. The above five functions belong to the cloning program function. If use device to generate the garage remote, the cloning program of the garage remote will be replaced. So need to rewrite the cloning program to restore cloning function by device.

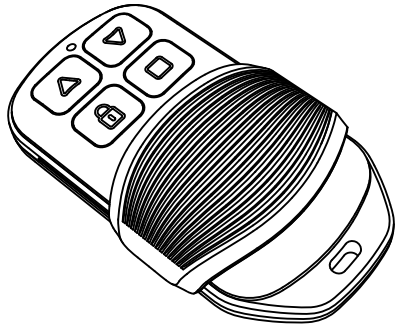


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# GARAGE REMOTE

## 车库子机用户手册



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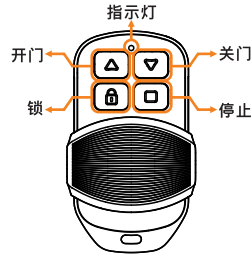
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VVDI新推出的车库门遥控器（为防止与待拷贝车库门遥控器名称相似导致歧义，以下简称车库子机），支持生成和对拷，支持无KEY TOOL工具情况下切换20种固定频率，支持读清码后的数据恢复功能。使用方式灵活，既可用VVDI KEY TOOL系列工具生成和拷贝，也支持传统对拷方式。



### 一、清码功能

1、如何知道当前车库子机是否是清码状态？

清码后的车库子机按住任意按键不放时，车库子机的遥控指示灯会闪一下就快速熄灭，不再常亮。

2、如何对车库子机进行清码操作？

① 同时按住车库子机上“开门”和“关门”2个按键(⬆️⬆️)，待遥控指示灯亮起后，保持按住2个按键不放直到遥控指示灯熄灭，此时可松开按键；

② 接着按住停止按键(⏹️)，待遥控指示灯亮后，保持按住该按键不放，直至遥控指示灯熄灭，则清码完成。

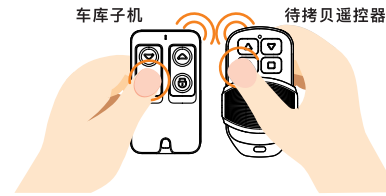
### 二、遥控对拷功能

1、对拷前注意事项？

① 对拷前请确认车库子机是否已清码，只有清码后的车库子机才能进行遥控对拷；

② 对拷前首先需确认当前车库子机的频率是否与待拷贝车库门遥控器的频率相同，如果频率不同，即便可以完成拷贝，但是对拷后遥控可能不可用或者遥控距离偏近，此时可以通过切换频率功能切换，或使用VVDI KEY TOOL系列工具切换车库子机频率。

2、如何使用车库子机进行对拷？



① 首先按住已清码的车库子机需要拷贝的功能按键不放，车库子机将进入对拷模式，此时需要一直保持按住该功能按键；

② 将待拷贝的车库门遥控器贴近车库子机，同时按住待拷贝车库门遥控器的对应功能按键不放，待车库子机的遥控指示灯亮起，则该功能按键拷贝完成；

③ 按上述步骤依次拷贝完所有功能按键则本次对拷完成。

### 三、切换频率点功能

1、为什么需要切换频率点？

因为市面上不同厂商、不同地区的车库门遥控器的频率会有差异，如果车库子机的频率和待拷贝车库门遥控器的频率不同，可能会导致拷贝后功能不可用或遥控距离偏近，此时需根据待拷贝的车库门遥控器的频率来调整车库子机的频率，目前VVDI车库子机支持20个频点自由切换。

2、如何切换频率点？

① 进入频率点切换模式：同时按住车库子机“锁”和“停止”2个按键(🔒⏹️)，此时遥控指示灯亮起，保持一直按住这2个按键不放，直到遥控指示灯熄灭后松开按键；

② 切换频率点：紧接着按下“开门”键(🔓)，每按一下，遥控指示灯闪1次，根据按键按下的次数可以在频率点对照表中查到已选中的频率点；

③ 查看选中频率点：选定频率点后，松开所有按键，此时无需再按下任何按键，等待5秒后遥控指示灯将会闪烁，通过闪烁的次数可在频率点对照表中查到已选中的频率点；

④ 退出频率点切换模式：待遥控指示灯停止闪烁后，立即按下“锁”和“停止”2个按键(🔒⏹️)，此时遥控指示灯亮起，继续按住2个按键不放，直至遥控指示灯熄灭，则频率切换完成，此时松开按键即可。

3、如何切换其他任意频率点？

当遥控频率不在上述2所示频率点对照表中时，可以借助VVDI KEY TOOL、VVDI MINI KEY TOOL、KEY TOOL MAX或者KEY TOOL PLUS等设备的遥控拷贝功能，拷贝原始遥控数据，并修改成任意需要的频率，写入到车库子机中。

以KEY TOOL MAX为例，拷贝320.5MHz车库门遥控，操作步骤如下：



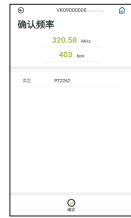
3.1 进入KEY TOOL MAX固定码遥控拷贝界面，选择320.5MHz频率范围



3.2 按设备提示按压原钥匙的按键



3.3 输入修改任意需要的频率



3.4 拷贝钥匙数据，如果追码，可以使用再生功能，生成后匹配。

### 频率点对照表

频率点	按键次数	频率点	按键次数
315.00	1	310.00	12
350.00	2	311.00	13
430.00	3	313.00	14
431.00	4	315.50	15
432.00	5	330.00	16
433.00	6	350.05	17
433.82	7	370.00	18
433.92	8	430.50	19
434.00	9	433.70	20
434.42	10		
304.00	11		

其他频率 Xhorse 设备生成

注：用VVDI KEY TOOL系列设备生成车库子机对拷程序后（车库遥控->Xhorse车库子机对拷程序），可以自定义设置频率（特殊功能->VVDI子机功能->车库子机自定义）

### 四、滚动码ID再生功能

1、什么情况下需要滚动码ID再生功能？

若拷贝后的车库子机出现追码现象，可通过滚动码ID再生后进行匹配学习解决。

2、如何使用滚动码ID再生功能？

① 进入滚动码ID再生模式：同时按住车库子机左边“开门”和“锁”上下2个按键(⬆️🔒)，此时遥控指示灯亮起，一直按住2个按键不放，直至遥控指示灯熄灭；

② 滚动码ID再生：松开车库子机左边“开门”和“锁”2个按键(⬆️🔒)，接着按住“停止”键(⏹️)，此时遥控指示灯亮起，继续按住按键不放，直至遥控指示灯熄灭后，滚动码ID再生完成；

注意：滚动码ID再生后的车库门遥控器需要重新进行学习匹配后才能使用，此时需要找到车库门主机控制盒上的学习按键，按照车库门主机操作说明书操作学习匹配即可。

### 五、数据恢复功能

1、什么情况下使用数据恢复功能？

当客户误操作导致车库门子机被清码后，可以使用该功能恢复至上一次的遥控数据。

2、如何判断当前车库子机已被清码？

若发现按住车库子机任意按键后，遥控指示灯快速闪一下后就熄灭，不再常亮，则该遥控器已被清码。

3、如何恢复数据？

已清码的车库子机可进行数据恢复，只需同时按住右边“关门”和“停止”2个按键(🔒⏹️)，保持约3秒后遥控器指示灯亮起，则数据恢复完成。

### 六、补充说明

车库子机出厂默认自带对拷程序，以上5大功能属于对拷程序功能，一旦使用设备生成车库门遥控程序后，车库子机的对拷程序会被替换掉，此时可通过设备往车库子机重新写入对拷程序来恢复对拷程序的功能。

### 支持对拷或生成的遥控器品牌：

麒麟350、麒麟433、麟玛433、安福生、傲诺、奥仕达433、APRIMATIC、安磷350、安磷433、安磷D433、安磷580、阿尔卡诺A315、阿尔卡诺B433、博达B再生、渤海、步进、百胜T18433、百胜T19433、昌顺、长远再生、驰豹A蓝、长风433、CELINSA433、道尔特B、DEA、DOORHAN433、DEMA433、杜亚DOOYA433、ETDOOR433、EIKIA433、EIKIA B C433、枫叶、浮邦、福特、浮迪、飞人、固得A通用、国威特、GBD、GAME B、GAME E、海珠A、恒富威、红日升、红日升A、霍斯A、霍斯433、霍斯C/D、霍斯F-325、霍斯F-330M/G、霍斯F350M/G、霍斯F-390、沈阳海通、海通、豪迈、极速、极速A、佳禾、巨光315、巨光A433、巨光B再生、吉磷350、吉磷433、久易、卡森、开门红、凯马B、康玛、卡丁、KEY、莱特680再生、莱特红灯再生、莱特绿灯再生、理想A蓝、LIGUR433、门人A、门人B、马斯特、门神、MOTORLINE、MHZ004433、MHZ100N433、ML-216H、南祥再生、NICE SMILO、NICE\_FL01/2/4、盼安A、PROTECO、PAT1433、千山二代、瑞能A、瑞能B、ROGER、RCG12C433、施普雷特60S66、施普雷特S80、森码、胜达、盛泰B、索格、索格索码KS680、索码A、索码B、斯玛特、思维A红灯、通用A、天鸿A、天鸿B、天鸿C、天山、威克威433、韦斯顿再生、西赛德600、西赛德800、西赛德B、西赛德C、夏普315、夏普433、湘天350、湘天433、易捷、亿德、中天A、中天B600。

暂不支持拷贝或生成的遥控，后续可通过设备升级车库子机程序解决。

