Please don't use any other wireless devices when the Host is being use at the same time

QN-H618

1. Frequency indicate (25MHz-1GHz)
2. Data Detect
3. Copy Fixed code remote
4. Copy Rolling code remote (After cracked)
5. Copy part of original car remotes
6. Read/Copy RFID
7. Compare data (Frequency,data, etc)
8. Regenerate new remote control
9. Online upgrade via an USB
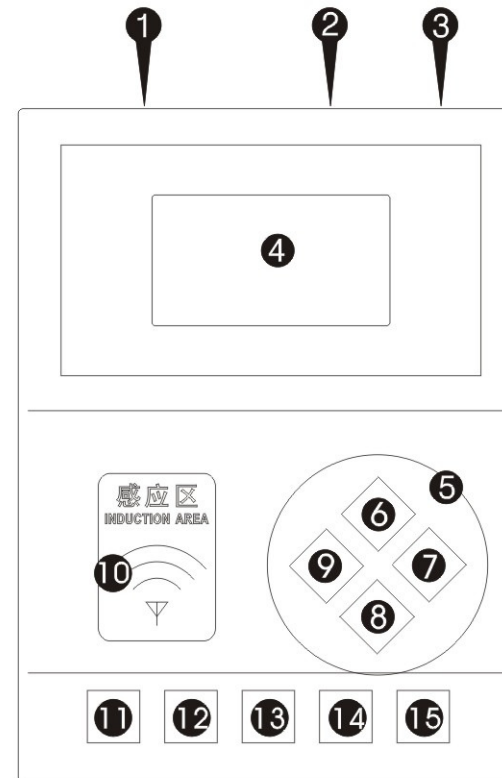10. Chinese/English bilingual support

Host of remote controller

QN-H618

感应区
INDUCTION AREA

返回
RETURN

检测
CHECK

复制
COPY

编辑
EDIT

确定
ENTER

USER GUIDE OF
HOST OF REMOTE CONTROLLER

As the particularity and complexity operation of this device, please do read this document carefully before use.

CONTENTS

Name and position of each parts of QN-H618：

1：USB socket

2：Download cable socket

3：Power socket

4：LCD screen

5：RFID induction zone

6：up arrow button

7：right arrow button

8：down arrow button

9：left arrow button

10：Remote control induction zone

11：Return

12：Check

13：Copy

14：Edit

15：Power/Enter

感应区
INDUCTION AREA

1.Functional overview

QN-H618 Host of Remote Controller (Remote Master). We develop this newest product for copy and detect kinds of RF wireless remote controller. Typical Users are locksmiths.

Our Host has many functions like Data detect, Data compare, Copy, Edit (regenerate) etc. In addition, RFID card can be copied. As the advance of technology and the accumulation of time,we will upgrade the program of the Host and the remote data which it support from time to time. And these programs and data can be upgraded on-line for free.

To remind,when using the Host, every time you press a button, remote control , or wipe a card,there will be a beep sound. In order to save energy, during power on , if there are not any operations in few seconds, the backlight will turn off automatically. Because the screen backlight is the largest component of power consumption. The time of backlight turn off depends on different operate status.

Detail description of various functions will be list out following.

2.Term-explanation

For a unified description and intuitive understanding, now explain some terms involved in this document.

1. Interface

The contents appear on the screen refer to corresponding operation.

2. Function buttons

Refer to button "Return" "Copy" and "Edit"。

3. Arrow button

Refers to the 4 diamond-shaped buttons mark with arrows. (Beside the Induction zone)

4. Standby interface

Refers to when power on, the interface without any operations..

5. First Menu

Refers to the interface when press function buttons after power on .

6. Highlighting

Refer to a a piece of text which mark in a different color with other text. It appears when choosing terms (in fist menu), or modify data (in edit interface)

7. Long press and short press

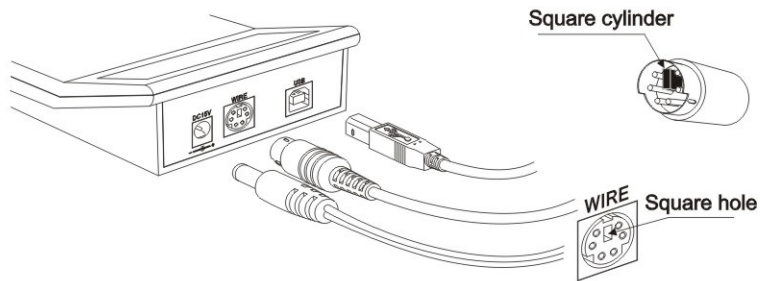Long press: keeping press for some time before release

Short press: press one button then release immediately

3.Power on and Power off

Take out the Host from the package, and put it on a steady flat-topped surface. And the adapter, Plug thicker-end of adapter wire to the 220V socket, anoter end with round plug to "DC15V" which marked at the back of the Host.
You can start to use it if only want to detect /compare data or copy RFID. If you want to copy remote control, please put out a black download cable ,then connect to "wire" which marked at the back of the Host.

Before power on, make sure that the plug has been solid connected.

Square cylinder

WIRE Square hole

Note: Please do plug the download cable rightly. There's a square cylinder in the plug, according a square hole in the plug at the back of the Host.

Power on:
Chinese Interface: Long press "Enter" button, within 3 seconds you will hear a beep sound after it complete self-test. Release "Enter" button after it appears the standby interface. Then you can start the normal operation.

QN-H618
Host of
Remote controller

English interface:
Long press "Return" button, keep it unmoved, then long press "Enter" button, within 3 seconds you will hear a beep sound after it complete self-test. Release the button after it appears the Standby interface.
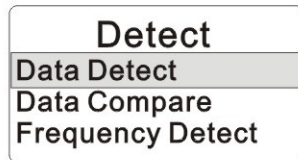**Power off:** At any status after the Host power on, long press" Enter " button, it will power off in 3 seconds. Then release the button.
Note: Please use the adapter we offer. We shall not be responsible for any loss caused by using other adapter.

4."Check"menu and function description

4.1 Menu Item:

Instructions: In the standby status, short press " Check" button, first menu appears, include 3 items as picture left below:
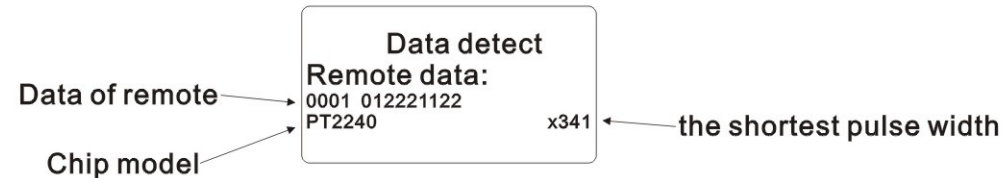
4.2 Data detect:

Function: when detect a remote, you can read the data, frequency, the shortest pulse width and part of the Chip model.

Instructions: Short press up/down arrow button to select "Data detect", then short press" Enter". Now the Host display "Press remote⋯" as picture below

```
        Detect
  Data Detect
  Data Compare
  Frequency Detect
```

➡

```
      Data detect
  Press remote.....
```

Put remotes on the "Induction area" ,press the button to be tested, until hear a sound of beep. The data will display on the screen, at this point release the button.

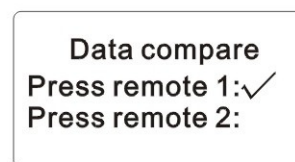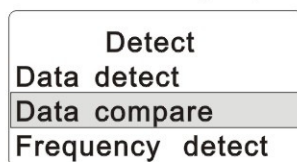Data on the screen in orders are: data of remote, chip model,the shortest pulse width. Its order as follows picture:

Data of remote ⟶
```
      Data detect
  Remote data:
  0001  012221122
  PT2240              x341
```
⟵ the shortest pulse width

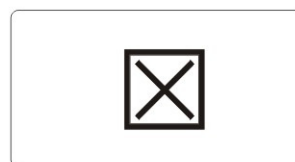Chip model ⟶

4.3.Data compare

Function: Compare data between two remote controls. This function is for comparing between original remote and new remote after copy ,to analyze if they are the same.

Instruction: In status of standby interface, short press the" Check" button. first menu appears. Short press up and down arrow button, select "Data compare"and short press "Enter", the screen display " Data Comapre" as below right pictures:

```
        Detect
Data  detect
Data  compare
Frequency   detect
```

```
   Data compare
Press remote 1:✓
Press remote 2:
```

Put the original remote control on the "induction area" and press the button to be tested until hear a sound of "beep", the screen show a tick " √" , "Press remote 2" shows in next line, at this point can release the button; as upper right picture.

Put new remotes after copy on "Induction zone" , press the reference button(same button with " remote 1") until hear a sound of beep, now release the button. If they have same data, there will be a big tick " √" show in the middle of the screen(short beep), otherwise, a big "X" be showed (longer beep).

☑   ☒

Short press"Enter", the data of two buttons will be showed separately. As follow picture:

```
0001 012221122
PT2240              x341

0001 012221122
PT2240              x341
```

Note: Re-enter this function by press "Return" or"Check" button to start a new compare.Or it will always compare with the first button. If you copy many same remotes, this function can compare them at one time.

4.4 Frequency detect
Function: Detect the transmitting frequency of the remote. Also can be used as frequency counter when adjust the frequency (remote with adjustable-frequency).

Instruction: In the standby status, short press" Check", the first menu appears. Then short press up/down arrow button, to select "Frequency detect", short press"Enter", now the screen display " Frequency" as below picture:

```
        Detect
Data  detect
Data  compare
Frequency   detect
```
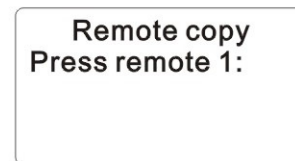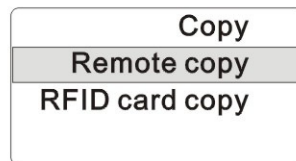
```
Frequency detect
Frequency :
    433.92
```

At this point, put the remote on "Induction zone", short press the button to be tested. The screen will display the frequency immediately.

5、 "Copy" menu and function description

5.1 Menu Item
Instruction: In standby status, short press" Copy", first menu appears, there are two options as follows:

Copy
Remote copy
RFID card copy

Remote copy
Press remote 1:

5. 2 Copy remote control
Function: duplicate/copy original remotes to new remotes.

Instruction: In standby status, short press "Copy", first menu appears, then short press up/down arrow button to select "Remote copy", short press "Enter". Now the screen display "Press Remote 1", as upper right picture:

Now, Put the remote on "Induction Zone" and press the first button of it. You will hear a sound of beep, then the data display on the screen. Now release the button, as picture below:

Remote Copy
Press remote 1:
0001 012221122
PT2240   x341

Button 1 lock button   **Button 2 unlock button**

If the data is suppose to be incorrect, please press the button again until you think it's correct. Then short press "Enter", the screen will display "Press remote 2". Keeping the remote always on "Induction zone" and press the next button you want to copy, other buttons and so forth.
It will display " Non-copyable" if copy un-cracked rolling code. As following left picture:
Maximum 4 buttons are allowed to copy at one time. After input 4 buttons, the screen will display "Connect remote x" the "x" stands for 1 or 2.the host will identify automatically.Among them, 1 stands for non-auto remote (fixed code and garage door rolling code), 2 stands for auto remote control, as picture below middle:

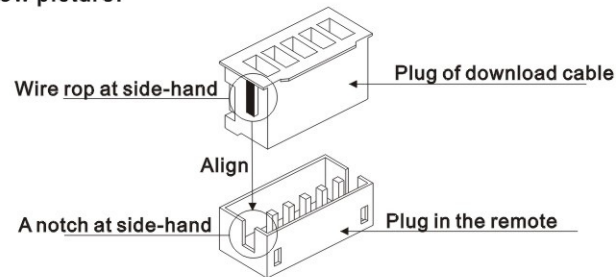|		
Remote copy Press Remote 1: 0010 oF301709 2 41A08BD HCSxxx x320 Non-copyable	Remote copy Connect remote 1:	Remote copy Remote error

The Host only support copy same type of remote at the same time . For example: if input data of fixed as well as rolling code, the Host will display"Remote error" before " Connect remote x " appears and refuse to write.As upper right picture:
If you want to copy remote less than 4 buttons, when the Host prompt to press next button, short press "Enter" until it display "Connect remote x".
When " Connect remote X" appears, connect the corresponding machine-copy remote to the machine by a download cable.
Note: Please connect the download cable with the plug of remote control at the right position. DO not plug in reverse by force. Please see below picture:

Wire rop at side-hand   Plug of download cable

Align

A notch at side-hand   Plug in the remote

After right connection, short press "Enter", the Host start to write data into new remote. A moment later, the screen will display "Write succeed" or "Write failed" according to result.

Remote copy	Remote copy
Connect remote 1:	Connect remote 1:
Write Succeed	Wire failed

If the Host displays "write failed",check if the download cable is connected firmly with the remote. The Host will display "Remote error" If wrong type of remote is connected. Please connect right one.Contact our technology department if still can't solve the problem.
NOTE: The Host only can write data into machine-copy remote control we supply.

5.3Copy RFID Card
Function: copy original RFID card to new blank card
Instructions:Short press "Copy", first menu appears.Short press up/down arrow button to select "RFID card copy" short press "Enter", When the Host display "swiping card 1" as blow picture:

Copy	RFID card copy
Remote copy	Swiping card 1:
RFRD card copy	

Put your original RFID card on " RFID induction zone" (opon the 4 arrow buttons).Take away the card until the Host display the data.

Please note that as certain card, our Host may display different data every time swiping the card. This is because the special data in structure of the card, will no effect the copy process.
Now short press"Enter", the Host display" Swiping card 2:" .Put the new blank card upon 4 arrow button, the Host will start to input data and display" Writing···". Few seconds later, it display"Writ succeed" (short beep sound) or "Write failed"(longer beep sound) as below picture:

```
RFID card copy
Swiping card 2:
01234567 89ABCDEF

Writing........
```

```
RFID card copy
Swiping card 2:
01234567 89ABCDEF

Write succeed
```

If the writing failed, please check if the card is new and blank, and the position of the card is correct.
Note:1. Please use new blank card we offer to ensure the copy
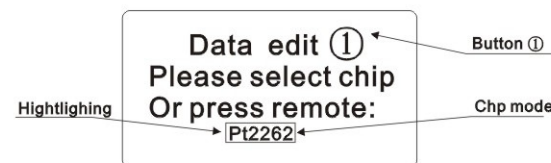   2. the induction zone of RFID card is the area upon the 4 arrow buttons.

6、Edit data

Function: To generate a new remote control without original remote. It's done by 2 ways:
（1. The data is on the basic of reference remote(for fixed code and rolling code)
（2. Choose the chip model in the Host. (only for fixed code)
6.1Edit fixed code ：
Instruction: In the standby status, short press "Edit" button , the edit interface appears, as right picture.

```
Data  edit ①          Button ①
Please select chip
Or press remote:
      Pt2262             Chp model
```
Hightlighing

The ① means now editing the first button of the remote. If you want to edit fixed code, press up/down arrow button to select corresponding chip model, then press "Enter".
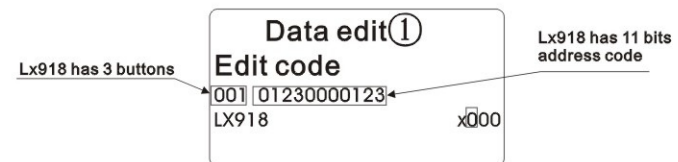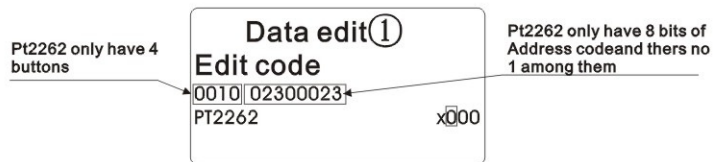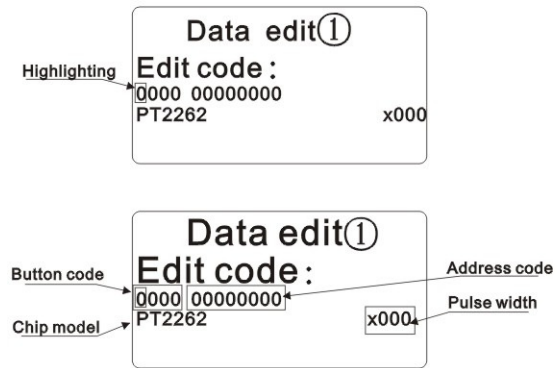Now the screen display "Edit code", and follow with some data of the chip. And there will be a highlight among the data. You can press up/down arrow button to edit the highlight test or press left/right arrow button to move the highlight to edit other data. As picture at right handside:

Data edit①
Highlighting
Edit code :
0000 00000000
PT2262   x000

Edit button code: For fixed code, different chip have different number of buttons. For example, LX918 only have 3 buttons, but PT2262 have 4. In our Host, two separately area stands for button code area and address code area. The 3 or 4 bits on the left stands for button code, the 8 or 11 bits stands for address code there's a XXX. there's a blank between two areas).

Data edit①
Button code
Edit code :   Address code
0000 00000000   Pulse width
Chip model
PT2262   x000

When editing the button code, several "1" are allowed, but we do not suggest do this. We suggest only a "1" in each group of data.

After finish editing data of the button, you can press right arrow button or directly press "Enter" to go to address code area.
Edit address code: For different chips of fix code, they may have different address code, as well as quantity. Some have 8 bits, 3 status per bit, some have 11bits, 4 status per bit. For example: Address code of PT2262 has 8 bits, 3 status(they are 0, 2, 3, we don't use "1") per bit . Another example, the address code of LX918 has 11 bits, 4 status (they are 0, 1 , 2, 3) per bit.

Pt2262 only have 4 buttons

Data edit①
Edit code
0010 02300023   Pt2262 only have 8 bits of Address code and thers no 1 among them
PT2262   x000

Lx918 has 3 buttons

Data edit①
Edit code
001 01230000123   Lx918 has 11 bits address code
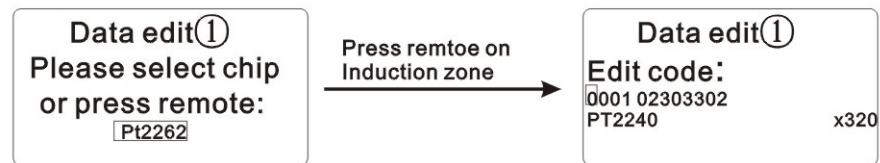LX918   x000

After finish the editing the button and address code , press right/left arrow button, or short press "Enter"to edit pulse width area。

Edit pulse width : Editing the pulse width is related to"timing resistor" of corresponding chips, And it should not less than x060 (μS) or will lead to transmitting difficult of the remote. (In fact, the pulse width will not less then x060. So there's not any affection in practical application.)

<u>**In addition, the Host support to input reference remote when editing fixed code.**</u>

Instructions: in the status of editing, put the reference remote on "Induction zone" Press any button,it will display the data of the remote.As following picture:

Data edit①
Please select chip
or press remote:
Pt2262

Press remtoe on
Induction zone →

Data edit①
Edit code:
0001 02303302
PT2240   x320

You can edit directly on the basic of this data, the method same as aforesaid.

After finish editing the PW, short press"Enter" to start edit the next button , as below picture:
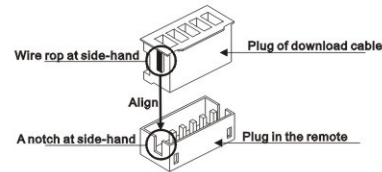
Data edit② ← Button 2
Please select chip
or press remote:
Pt2262

The input and edit instructions are totally same as aforesaid.

Button 1 lock button   **Button 2 unlock button**

After edit all the 4 buttons, short press "Enter", the Host display "Connect remote 1", as left below picture;Then connect corresponding remote control with the Host by download cable. Please make sure the connection is right and firm. As below right picture:

Data edit		Wire rop at side-hand →	→ Plug of download cable
Connect remote 1:		Align	
		A notch at side-hand →	→ Plug in the remote

Short press "Enter", if the data you edit is correct, the Host start to input data which you just edit , and display "Writing "after few seconds.; If the data is incorrect (for example one button with fixed code, but another one with rolling code) or the connection is incorrect, It will display "Remote error "before "Writing..."appears. Please re-edit the data.

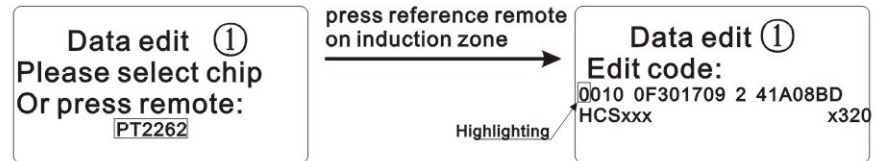| Data edit	Data edit
Connectremote 1	
writing...	Remote error

After input ,the Host display "Write succeed" , "Write failed" according to the result. If "Remote error" is display after " writing..."appears, that means wrong tpye of remote is connected. Please replace with right one.
Note:
1. The Host only can input data into blank remote control we supply.
2. In the following two cases, the address code and WP of next button will be the same with previous button. No need to edit repeatedly.
--When create the data by choosing chip model, and the chip model of the next and previous buttons is the same.
--When create data by reference remote, and using a same reference remote.

6.2Edit rolling code

Instructions: In the status of standby, short press "Edit", the edit interface appears, as picture below left:
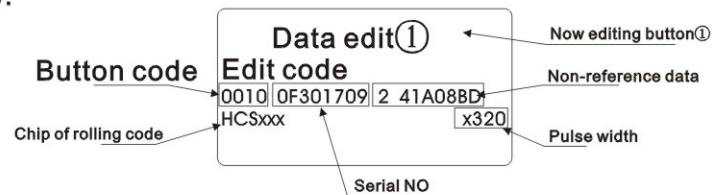

Press the original remote on induction zone.

The ① among it means now editing the first button of the remote. Put the reference remote on "Induction zone", and press the first button. When the Host receive the data, the screen will display "Edit data" with corresponding data following it. And there will be a highlight among the data.
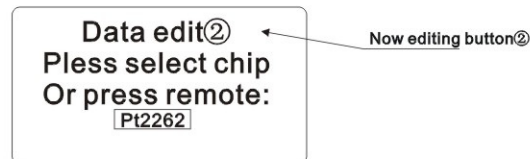
Press up/down arrow button to edit the highlight test and press left-right arrow button to move the highlight to edit other data. As upper right picture:

Button code and serial Number are showed by 4 separately area, the left 4 bits area is button code, the 8 bits area is serial NO code. The rest two area do nothing about the data editing (furthermore, these two not allowed to be edited) As the picture below:
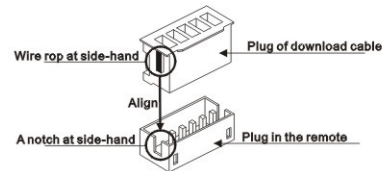
Every bite of button code only can be 0 or 1, but for serial number data, it can be anyone from 0~9,and A~F(0~F of Hexadecimal) After finish the editing of button code, press right arrow button or directly short press "Enter" to edit serial number. The same, after finish editing the serial number, press right arrow button or directly short press "Enter" to edit Pulse Width.Usually it's no need to edit the pulse width, but if you do want to edit, the minimum value should not less than x060, or it will lead to transmit difficulties of the remote. (In fact, the PW will not less than x060. So it will not have any affection in practical application)

After finish the editing , short press "Enter" to start to edit next new button, as below picture:

Data edit②
Pless select chip
Or press remote:
Pt2262

Now editing button②

The method of input and edit are both the same as aforesaid. It will display " Non-editable" if edit un-cracked rolling code. As following pictures:

After finish editing all the 4 buttons, short press "Enter", the Host will prompt "Connect remote X" as left below picture. Now connect corresponding remote control with the Host by the download cable. Please be sure the connection is correct and firm. As below right picture:

Data edit

Connect Remote x:

Wire rop at side-hand

Plug of download cable

Align

A notch at side-hand

Plug in the remote

Then short press "Enter", if the data you edit is correct, the Host will start to input data, and display "Writing" after few seconds; If the data is incorrect or the connection is incorrect, It will display "Remote error" before "Writing..."appears.

Data edit	Data edit
Connect remote2:	Connect remote2:
Wirting...	Wirte succeed

After input the Host display "Write succeed" or "Write failed" according to the results. If "Remote error" is display <u>after the " writing..."appears</u>, that means wrong tpye of remote is connected . Please replace with right one.

Remote edit
Remote error

After the input success,the remote should learn to the receiver. Then it can work.
<u>Note: The new rolling code remote must learn to the receiver.</u>
If use same reference remote to create the new data, the serial NO and pulse width of next button will be same with previous button. No need to edit repeatedly .

Note: The Host only can input data into blank remote control supply by our company.

7、Data upgrade

Function: Update program of the Host or the data inside.
Instruction: First, you need a PC with Windows operating system. You can get a upgrade package file freely from the agent, there includes 4 files:
H6180903.HEX....................................Program of the Host
UPDATE.DAT.......................................Data of the Host
H618 Device Driver.............................device driver
H618 upgrade program.EXE................main upgrade program

In the name of the program of the Host, "0903" stands for version number of the soft. Previous 2 numbers stand for the year, the rest 2 numbers stand for version. The larger of the last 2 numbers, the higher version it has.
Please copy all the the upgrade package file to your PC. Then install driver of the Host. The instruction: double-click file "H618 Device Driver.EXE", the installation starts, then keep click "next step" when needed until "Finish".
Now, connect power of the Host, make sure the power in good condition, then plug in the USB(The Host no need to power on).There will be screen tips "find a new hardware", wait a moment until it change to "new hardware can be used". That means the driver has been installed successfully.
In the process of upgrade, run the upgrade software, and choose the corresponding COMx port to the USB. If the port Incorrect, dialog box will note : "port incorrect", if the port correct, the dialogue box in the left will note "port open" and " wait to accept data". Now press "Enter" button on the Host, if the connection is no problem, the screen of the Host will display "Updata....". At the same time, dialogue box in the left side of the upgrade software will display "connect the Host succeed".
Click "H618 upgrade program.EXE" in the upgrade software, then click "open", the Host will start to upgrade. The rate of progress can be checked under the screen.
After the upgrade finished, there will be screen tips "upgrade success" on the left. The Host will power off auto, that means the upgrade had been done.

If you'd like to continue to upgrade, press "Enter" button of the Host, The upgrade software will note "Connect Host success" .And the screen of the Host show "updata". Now click "upgrade remote control" in the upgrade software, choose "updata.dat" , and click "open". The upgrade starts.The rate of progress can be checked under the screen.

After the upgrade finished, there will be screen tips "upgrade success" on the left. The Host will power off auto, that means the upgrade had been done.

When finish all the work of upgrade, you had to close the upgrade software by click "close" button at the right bottom of the software. The last step unplug the USB.

Next time you want to upgrade, please do as following orders:

Connect power of the Host(without press any button of the Host)---connect USB----run upgrade software------press "enter" of the Host----close upgrade software after finish the upgrade----unplug USB.
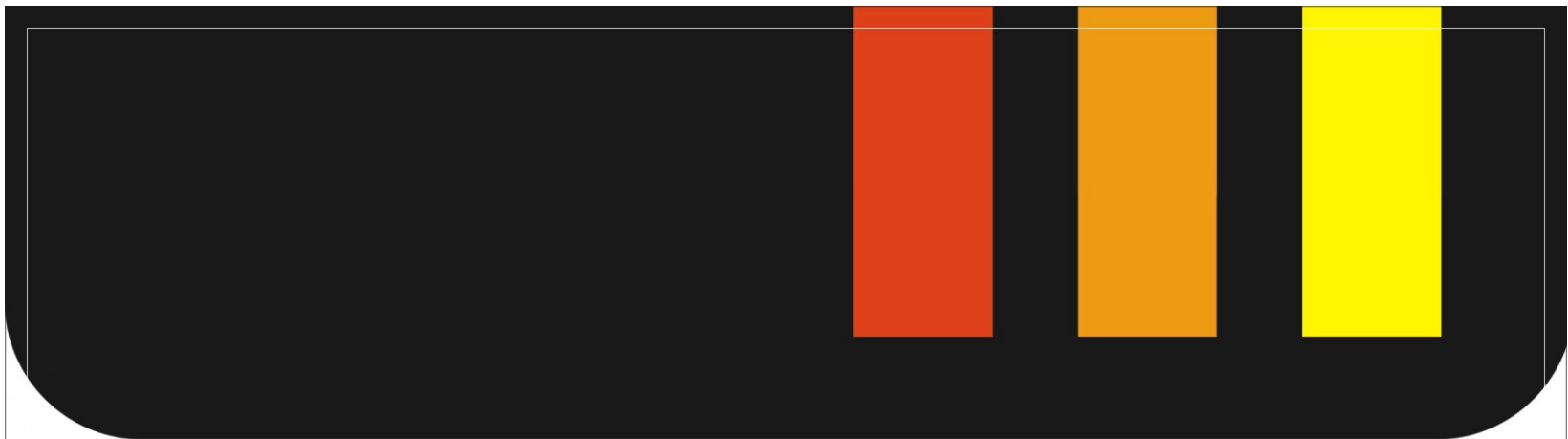
8、Rights and responsibilities

This user guide manual is offer with the Host. We have tried our best to make sure the correctness. But due to some unavoidable factors, this instruction might have some mistakes or will lead to misperception among customers. We should NOT bear any loss caused by this reason.

At the same time, as the advance technological and process improvement, we keep the right of revise and perfect this instruction without pre-advised.

9、Warning

Pleas don't use this Host for illegal copy of remote /ID card and other illegal activities or you should be responsible for your action.

Kits include:

Content	Quantity
Host of Remote	1
Power Adapter	1
Download cable	1
Frequency-adjust non-metal pen	1
USB upgrade cable	1
User guide	1
certificate of compliance	1

After unpacking, please check if it's well package. If any accessories lose, please contact the dealer.