

PC Based Remote Control

V1.0

Introduction.....	1
Getting Started	2
Hardware Installation.....	2
Installation of the software.....	2
Quick Start	2
User Guide of the software	2
1 Design the remote control key map	3
2: Edit key code.....	4
3:Macro key setting.....	7
4:Timer key setting	8
5: Setup buttons' codes by learning.....	9
6: Search code	9
7: Input and output	12

Introduction

PC Based Remote Control can make PC as a remote control. It contains computer software and USB connected infrared transceiver, which can receive command and data from PC and transmit IR codes to control home devices. Besides, the transceiver can be also used as programmer of PC programmable remote.

Its main functions:

- 1. Design remote key map;**
- 2. Select any keys from different remote controls;**
- 3. Timer function;**
- 4. Macro function;**
- 5. Search code function;**
- 6. Frequently updated IR database(More than 400,000pcs available);**
- 7. Learning function, input function to setup new codes by users;**
- 8. The saving, input and output functions for the designed remote map.**

Its main usage:

- 1, When watching TV and using PC at the same time, user can use this product to control TV without using original remote control.
- 2, Timer function can turn the TV to desired channel at preset time.
- 3, Macro function can power on/off TV, DTT,DVD at the same time.
- 4, For unknown or lost remote, it can search the codes to find the suitable codes. Then program

the codes to PC programmable remote. For more details, please see www.cldic.com and www.clurc.net.

Getting Started

Hardware Installation

The hardware of this product, or transceiver, connects to PC USB port, which uses USB1.1. After connecting to PC, it is recognized as HID device, so it doesn't need any PC driver.

Installation of the software

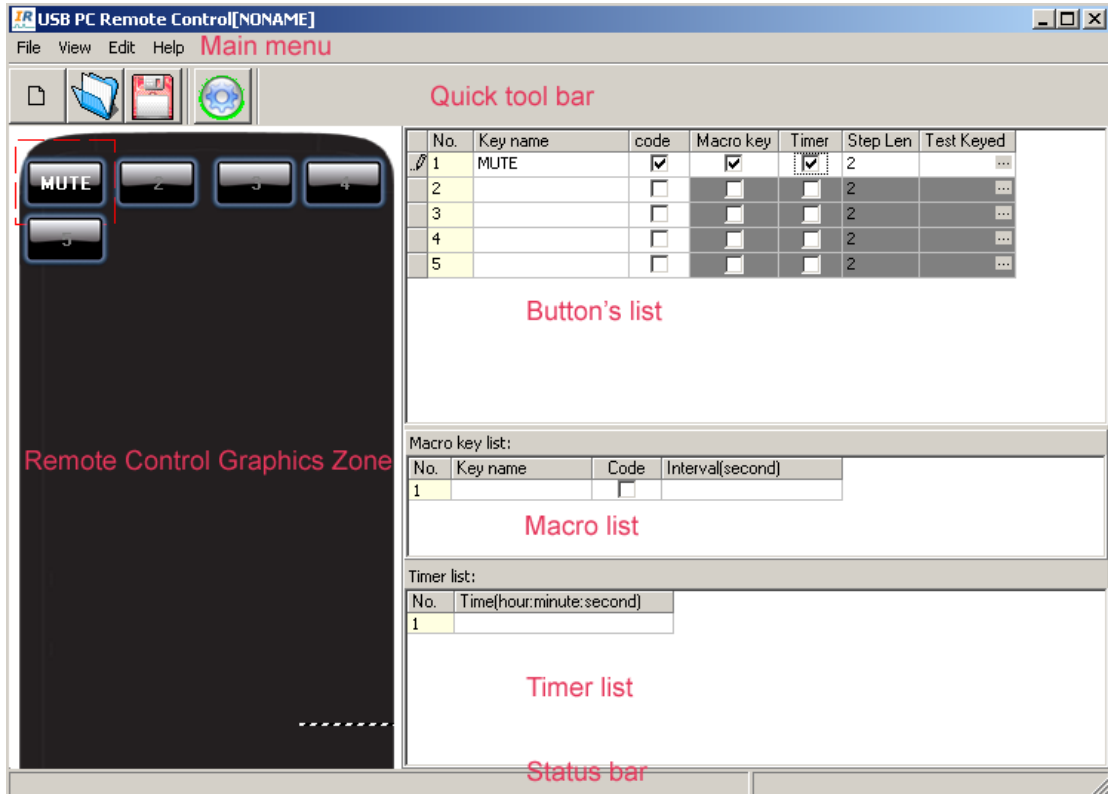
Insert the CD-ROM supplied with the transceiver, wait a moment and follow the instructions on the screen. You must open the directory of CD-ROM, find "SETUP.exe" and run it.

Quick Start

1. Connect the transceiver to an available USB port.
2. Insert the CD-ROM and install software.
3. Start the program.

User Guide of the software

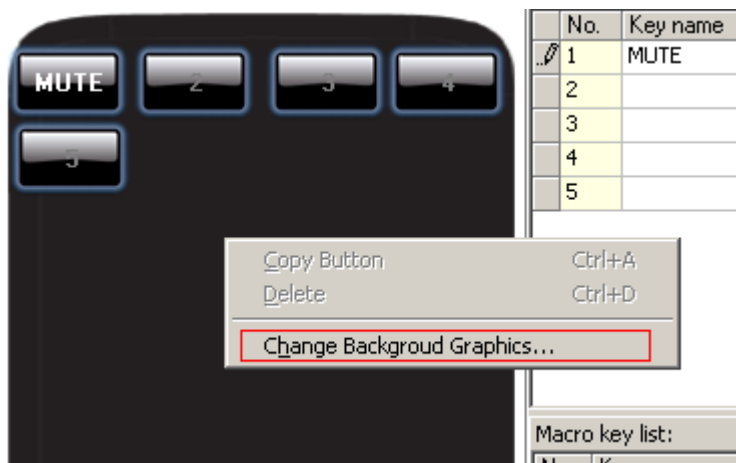
This section describes all detailed operations of the software.
Main screen of software.



1 Design the remote control key map

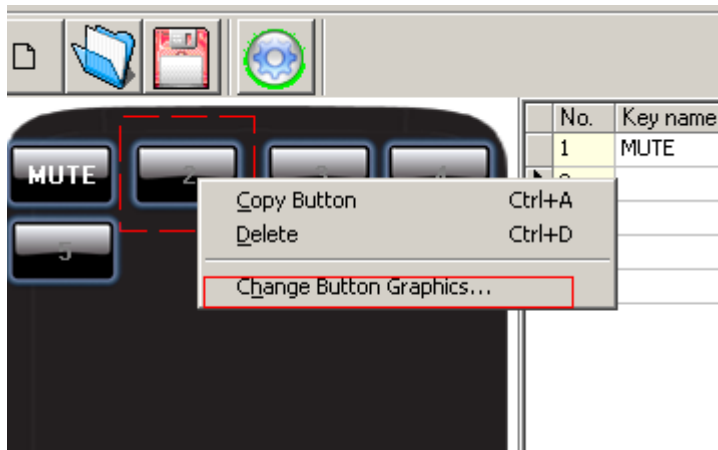
A: Change background

On remote control map, click the right button of mouse, one pop-down menu appears. Select "Change Background of remote", you can select a remote picture in PC directory.



B: Change button's graphics

Click the right button of mouse on button map, one pop-down menu appears. You can select one to add, copy and delete buttons.



Note: Only JPG, JPEG and PNG format files are supported.

C: Change the position of the button.

To change the position of the button, you press and hold the left button of mouse and drag to your desired position. When dragging, pressing Ctrl key on PC keyboard, the button on map can be placed to accurate position.

2: Edit key code

A: Add IR code to a button:

After remote control map is finished, key list will appear on the right of software, all key codes are blank.

No.	Key name	code	Macro key	Timer	Step Len	Test
1		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	
2		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	
3		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	



Press , then appear “Selected remote control” window.

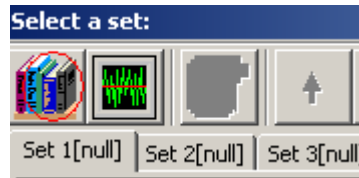
No.	Key Name	Has Coded	Learned Status
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			


You can add a key code from software database, which are “My database” and “Factory

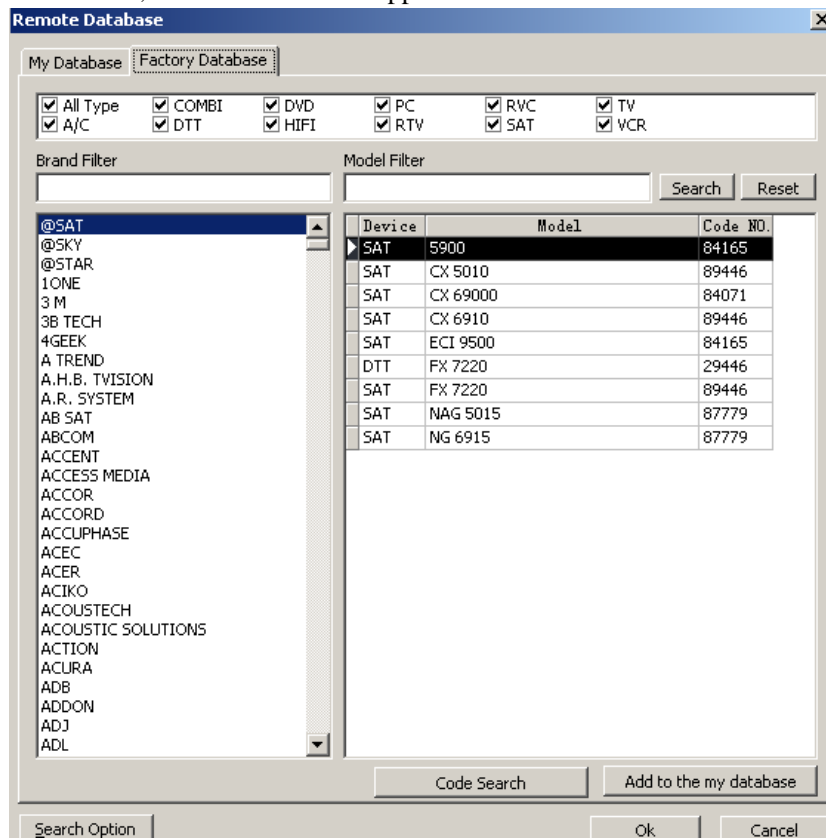
database”.

In order to remember and manage the selected remote control codes, before selecting a key code, you should select the remote codes to a “selected remote control” window, then select one key code.

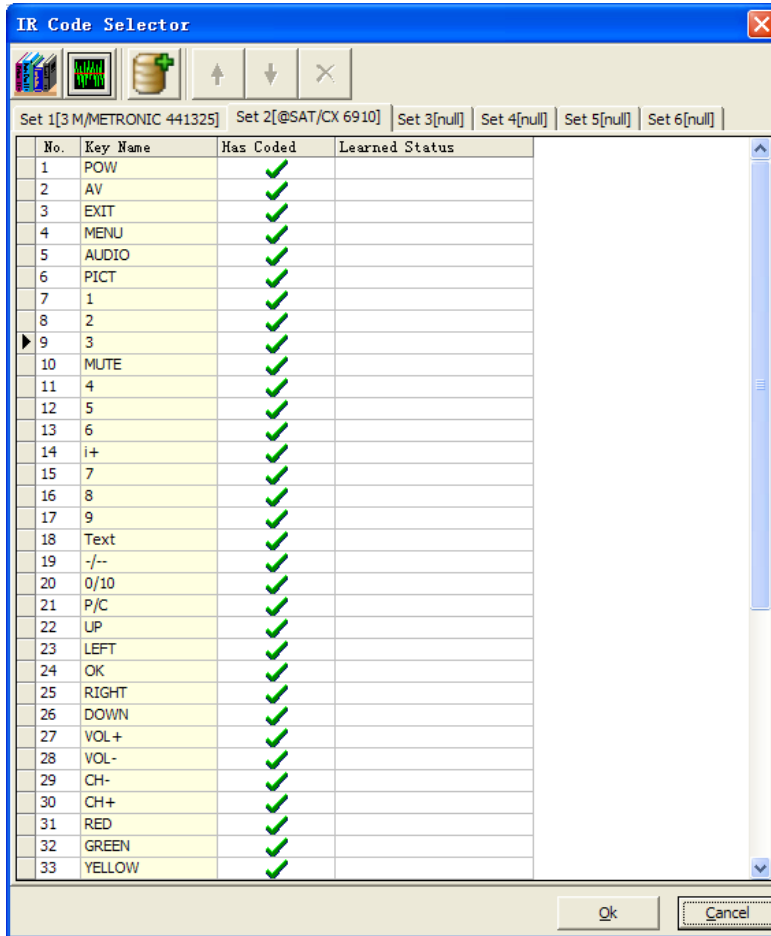
Select remote control from database



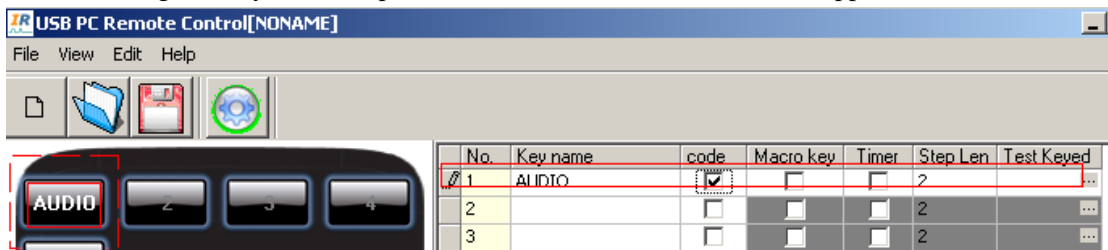
Press menu , database window appears as below.



You can search and find the remote control that you need. After you find one, press “OK”, then this remote control codes will be added to “Selected remote control” window.



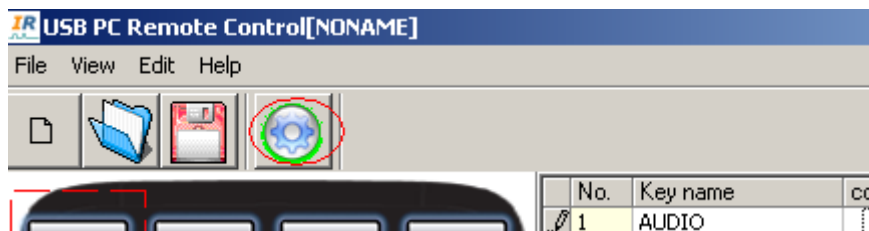
After selecting one key, for example, “AUDIO”, then main window will appear as below.



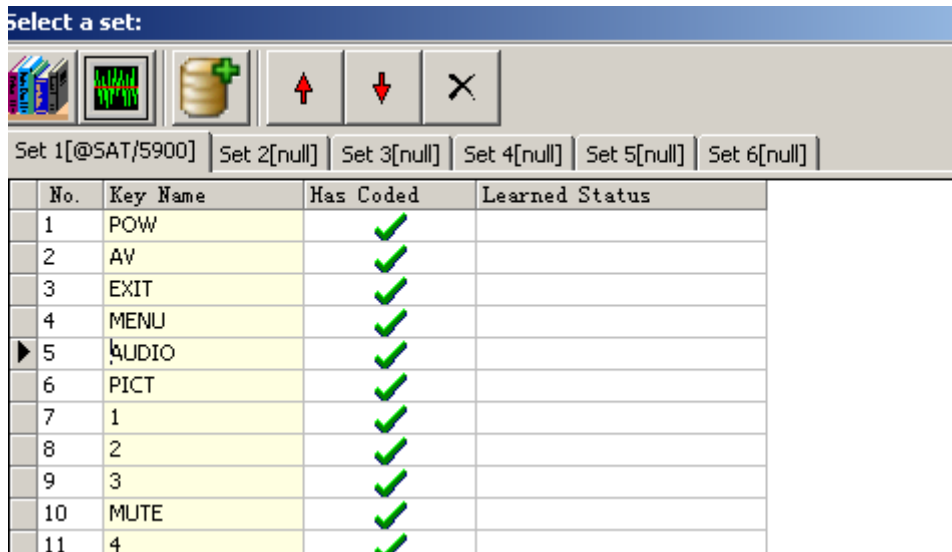
As shown picture, this key can be edited to Timer function, Macro function. After selecting, you can test it at once.

B: Select Multi-Key's codes.

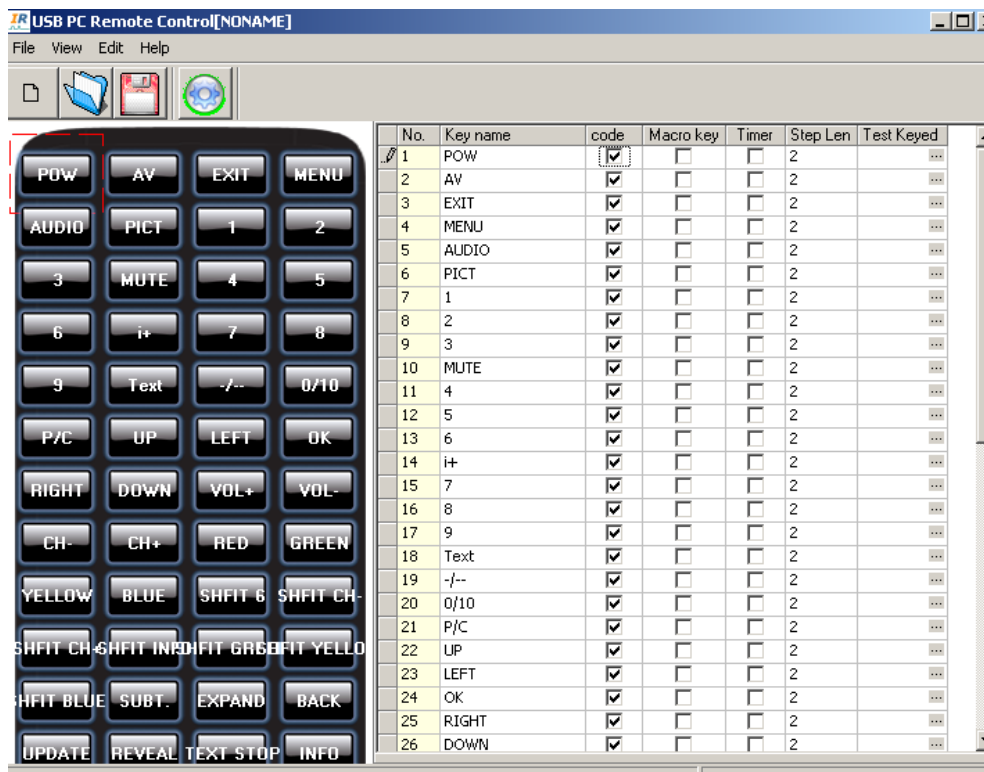
Click the marked menu button of blow picture.



It will popup “Selected remote control” window.

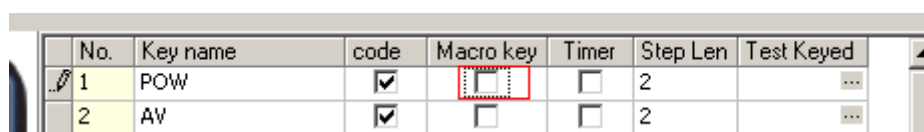


Then click ok button. All of 'SAT/5900's buttons will list in buttons list of main window as below picture.



3: Macro key setting

After one key is added a code, "Macro key" in the right column is available.



Select , then macro key list window below the main window appears.

No.	Key name	code	Macro key	Timer	Step Len	Test Keyed
1	POW	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2	...
2	AV	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	...
3	EXIT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	...
4	MENU	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	...
5	AUDIO	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	...
6	PICT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	...
7	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	...
8	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	...
9	3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	...
10	MUTE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	...
11	4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	...
12	5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	...
13	6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	...
14	i+	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	...
15	7	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	...
16	8	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	...

Macro key list:			
No.	Key name	Code	Interval(second)
1	1	<input checked="" type="checkbox"/>	5
2	2	<input checked="" type="checkbox"/>	5
3		<input type="checkbox"/>	

You can select other codes in macro key list window like the key code selecting in main window. You can set interval time between 2 adjacent keys.

4:Timer key setting

After one key is added a code, “Timer” in the right column is available.

No.	Key name	code	Macro key	Timer	Step Len	Test Keyed
1	POW	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2	...
2	AV	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	...

Select , then timer list window below the main window appears.

No.	Key name	code	Macro key	Timer	Step Len	Test Keyed
1	POW	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2	...
2	AV	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	...
3	EXIT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	...
4	MENU	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	...
5	AUDIO	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	...

No.	Key name	Code	Interval(second)
1	1	<input checked="" type="checkbox"/>	5
2	2	<input checked="" type="checkbox"/>	5
3		<input type="checkbox"/>	


No.	Time(hour:minute:second)
1	

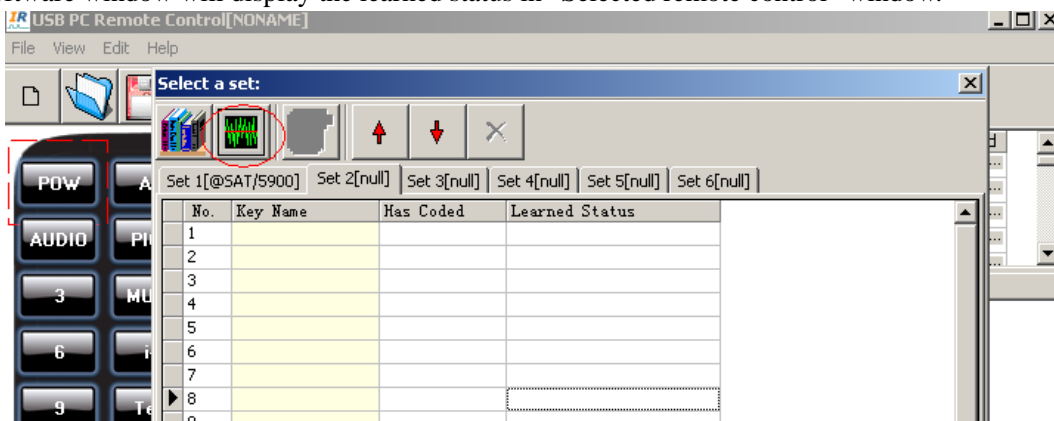
Note: The timer's format is : hh:mm:ss

5: Setup buttons' codes by learning

After searching in database, the make and model you need can't be found yet, you may look for another remote of same model, then learn it into your PC according to software instructions. After all keys has been learned, you may store this remote's make and model to setup your own remote library for later usage.

Only when transceiver hardware is connected to your computer usb port first, then learning function will be enabled. The led lamp of transceiver will be turned on when selecting the learning

button , then press the key of learned remote control toward the head of transceiver, the software window will display the learned status in "Selected remote control" window.

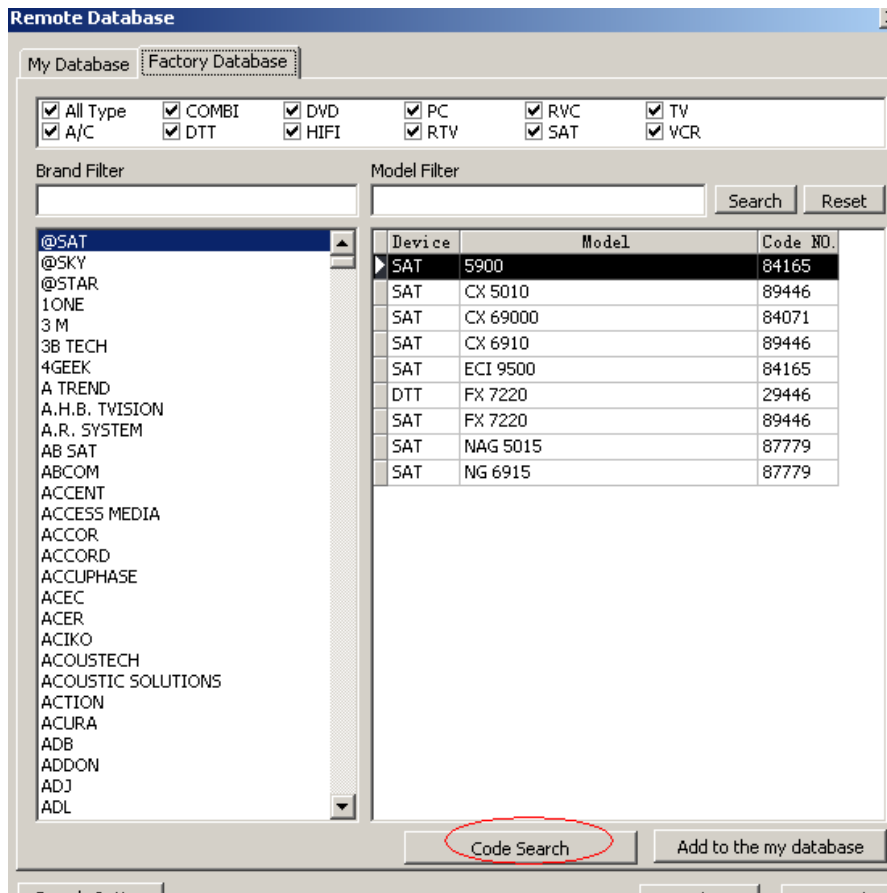


6: Search code

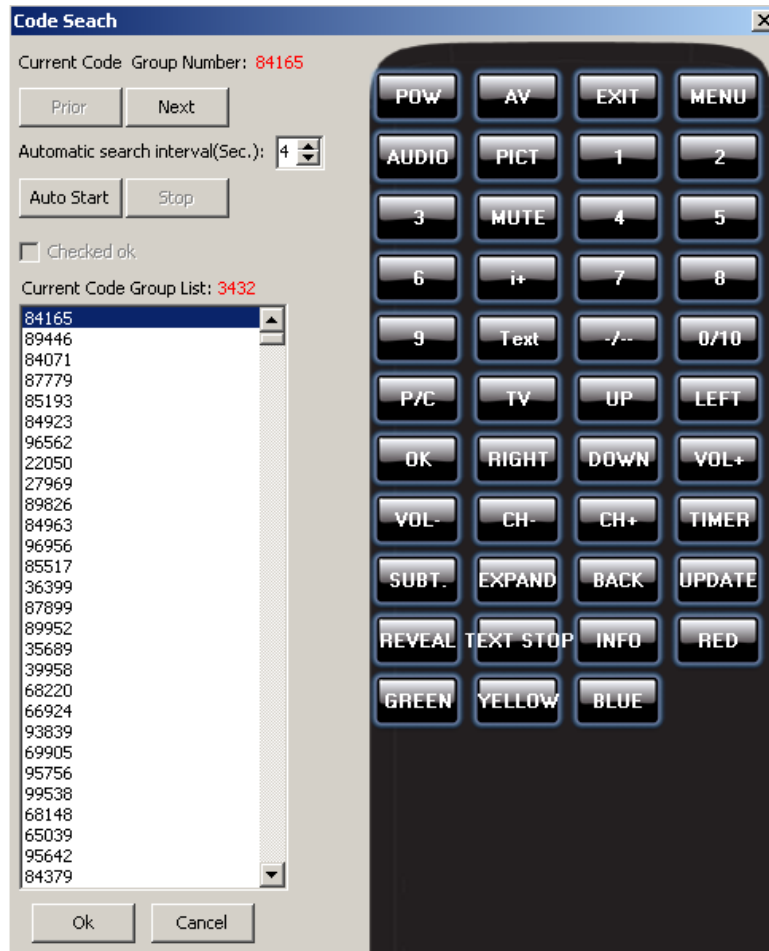
If you can't find suitable code in database and you don't have another remote with same codes, which can be used to copy codes, you can try "Search code" function.

In database window, you can search the code by selecting device type, such as TV,DTT,

brand, and key words. After limiting the remote codes range, then press “code search” as shown below.



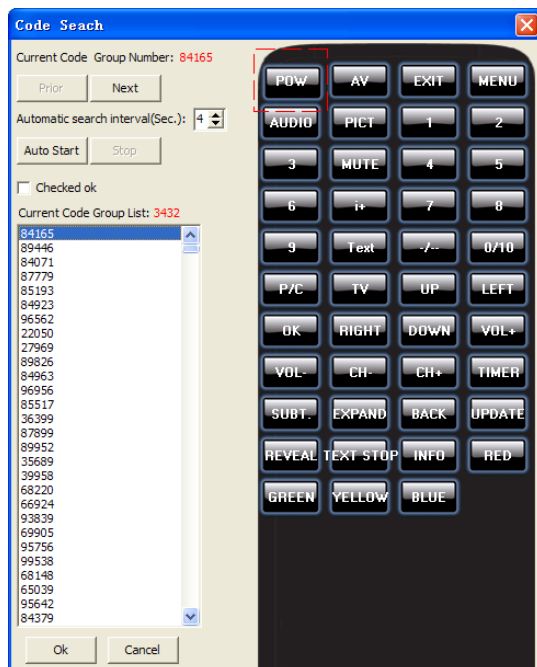
Then it appear “code search” window as shown below.



In the left-down window, there are many 5 digits numbers which are the code numbers of the selected range. In the right window, there is simulative remote map, in which the key names are from selected code number in left-down window.

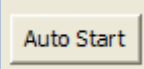

Operation guide of manual search:

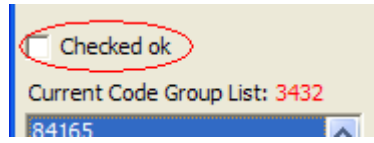
- 1, Select one key on remote map, for example, POW.



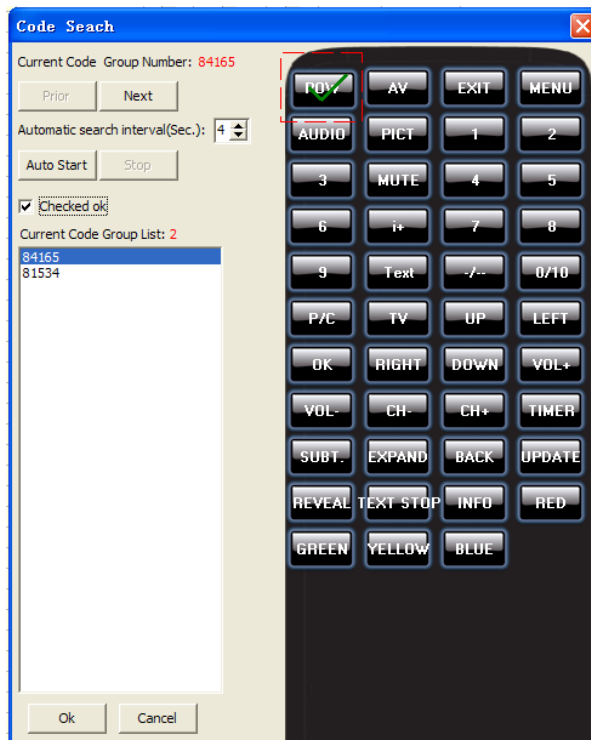
2, Manual search. Press “Next” button in left-up of window, then transceiver will send the code of the selected digits.

3, Repeat step 2 till the device is controlled.

4, Auto search. Press , auto search begins till you press  button.



5, Select , then it appear as shown below.



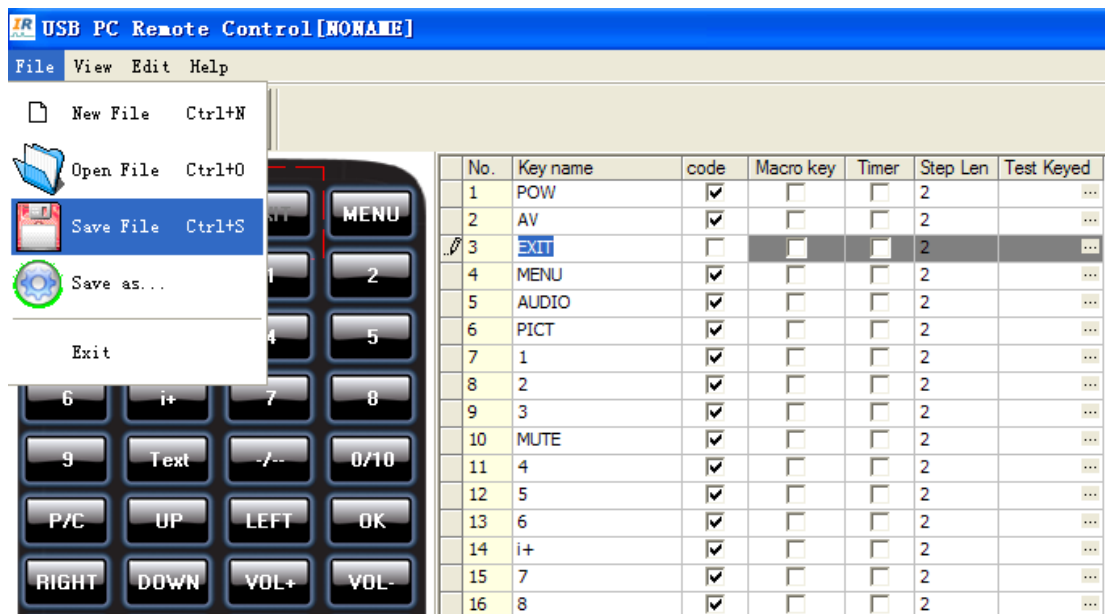
You can found out that there is 2 code numbers in left-down window. Now you can select the second key on the right remote map.

Other function, interval time of adjacent keys for auto search can be selected. Range is 4~9 seconds.

7: Input and output

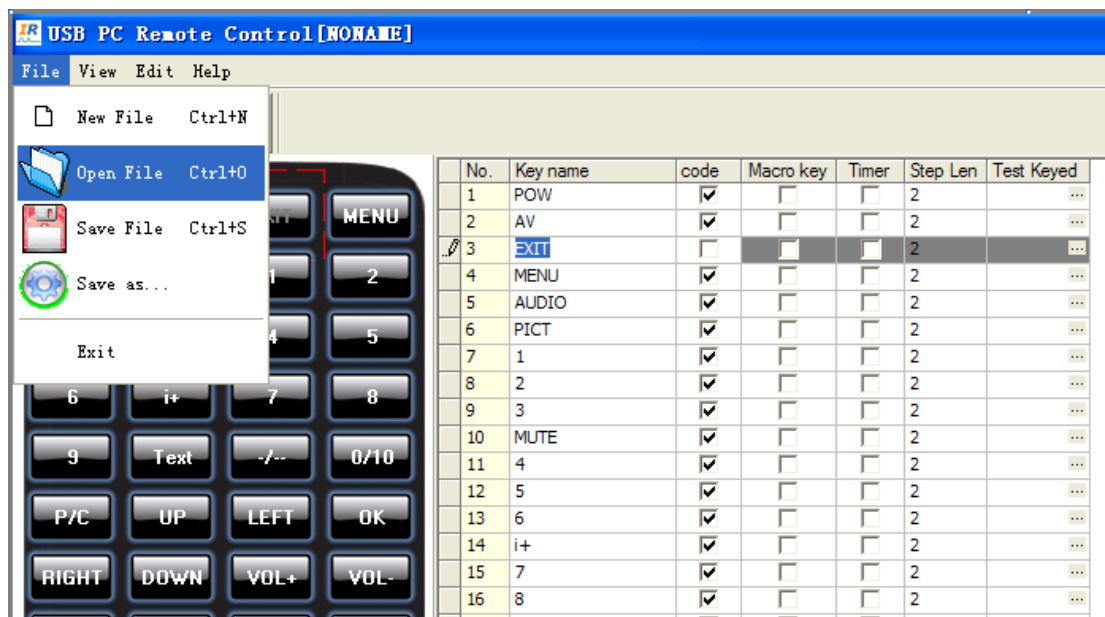
A: Output

After one project is finished, it can be output to be stored in PC hard disk.



B: Input

You can input a project from PC hard disk.



Thanks for your using our product, for more products, please browse www.cldic.com.

For more support, please browse www.clurc.net. Or you can write to us directly by email czlyw@vip.163.com. Your kind suggestions will be much appreciated.