

2014

How to Learn the IR code



G4

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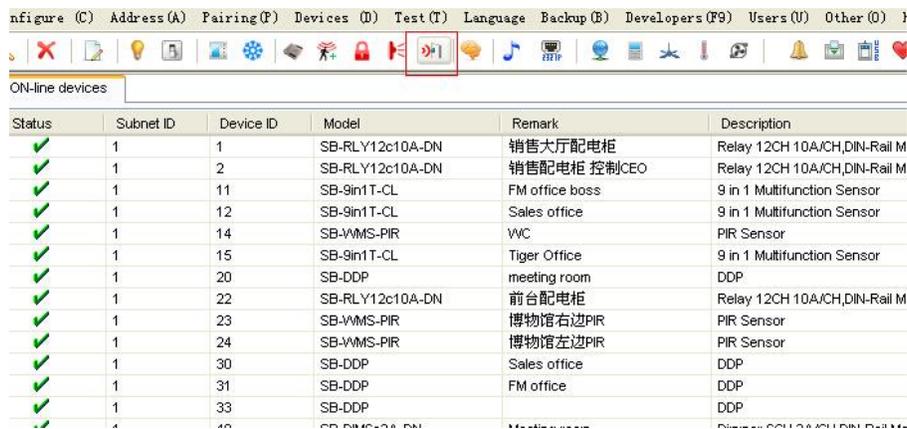


1, You need to install the driver for the IR learner kit.

Here is the link you can go to download the driver for the IR Learner kit:

<http://smarthomebus.com/dealers/Softwares/2012/IR%20Learner's%20driver%20win%207&Win%20xp.rar>

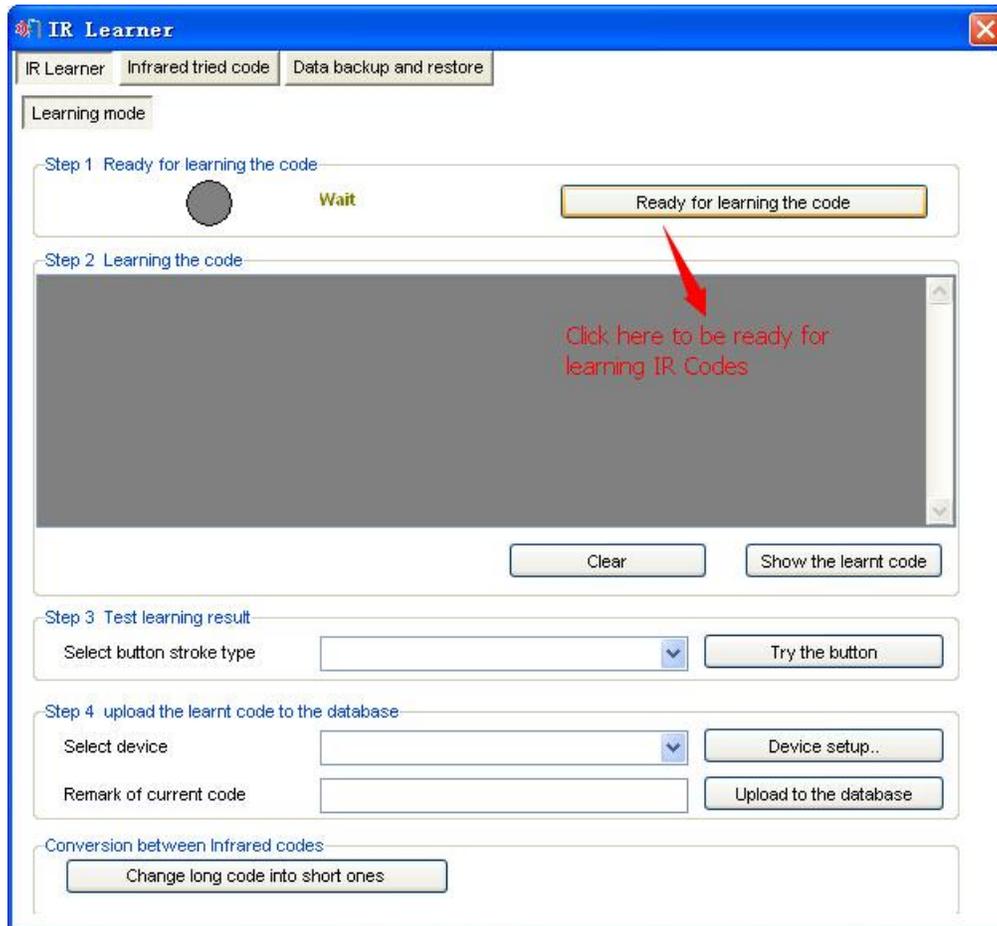
2, Open Smart Cloud and click the IR learner button.

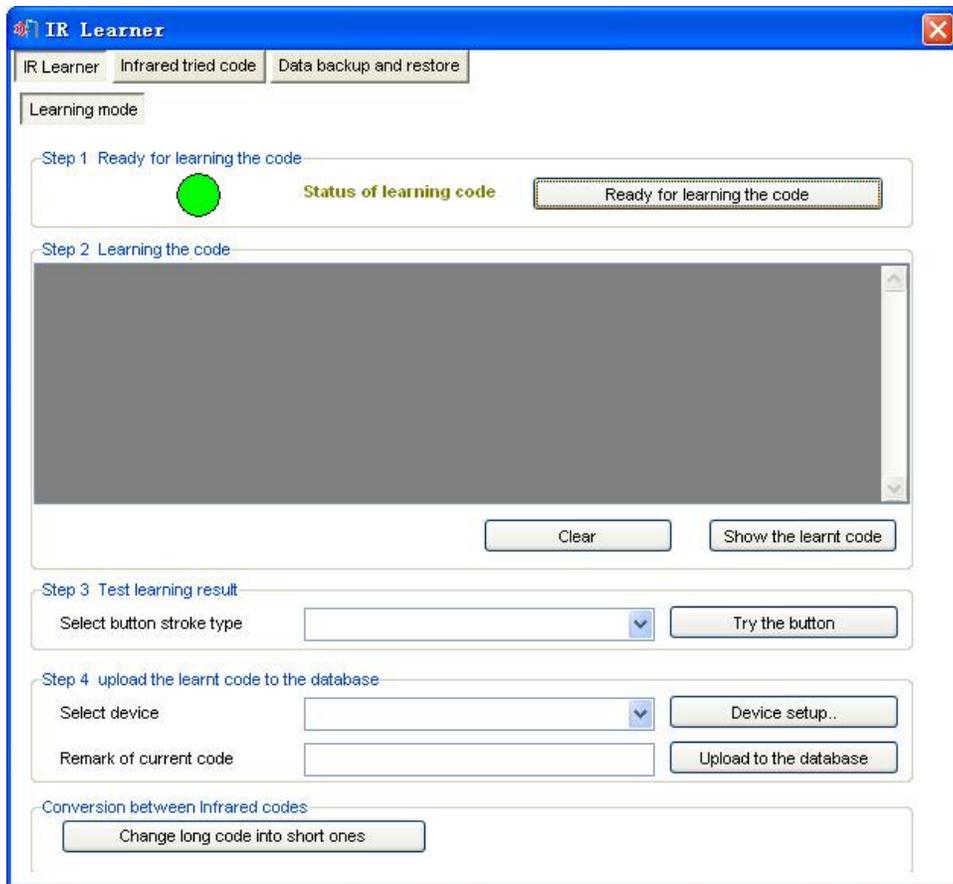


The screenshot shows the Smart Cloud software interface. At the top, there is a menu bar with options: nfigure (C), Address (A), Pairing (P), Devices (D), Test (T), Language, Backup (B), Developers (F9), Users (U), and Other (O). Below the menu bar is a toolbar with various icons, including a red 'X', a lightbulb, a gear, a network icon, a padlock, a speaker, a music note, a globe, a star, a bell, and a heart. A red box highlights the 'Test (T)' button in the toolbar. Below the toolbar is a section titled 'ON-line devices' which contains a table with the following columns: Status, Subnet ID, Device ID, Model, Remark, and Description. The table lists 14 devices, each with a green checkmark in the Status column.

Status	Subnet ID	Device ID	Model	Remark	Description
✓	1	1	SB-RLY12c10A-DN	销售大厅配电柜	Relay 12CH 10A/CH,DIN-Rail M
✓	1	2	SB-RLY12c10A-DN	销售配电柜 控制CEO	Relay 12CH 10A/CH,DIN-Rail M
✓	1	11	SB-9in1T-CL	FM office boss	9 in 1 Multifunction Sensor
✓	1	12	SB-9in1T-CL	Sales office	9 in 1 Multifunction Sensor
✓	1	14	SB-WMS-PIR	WVC	PIR Sensor
✓	1	15	SB-9in1T-CL	Tiger Office	9 in 1 Multifunction Sensor
✓	1	20	SB-DDP	meeting room	DDP
✓	1	22	SB-RLY12c10A-DN	前台配电柜	Relay 12CH 10A/CH,DIN-Rail M
✓	1	23	SB-WMS-PIR	博物馆右边PIR	PIR Sensor
✓	1	24	SB-WMS-PIR	博物馆左边PIR	PIR Sensor
✓	1	30	SB-DDP	Sales office	DDP
✓	1	31	SB-DDP	FM office	DDP
✓	1	33	SB-DDP		DDP
✓	1	40	SB-RLY12c10A-DN		Relay 12CH 10A/CH,DIN-Rail M

3,Click the button named “Ready for learning the code” to be ready:

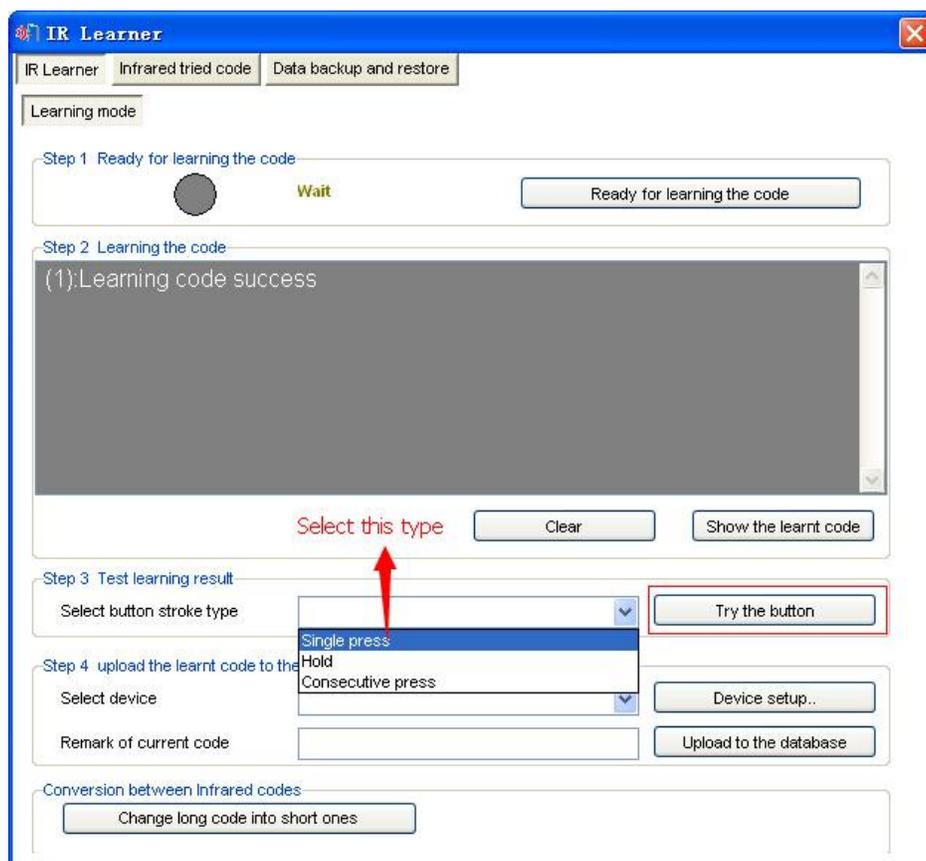




4, Hold a remote towards the IR Learner kit and press the button which one you want to learn.



5, Then select the button stroke type with “Single press” and hold the IR learner kit towards the device. For example a AC. And then click “try the button”. If the AC works like by using a remote to control that. Then it means the IR code was learned succeed.



6, Select the device you put the IR code. If the it is a new device. You need to setup a new one.

The screenshot displays a software interface for managing IR codes. A 'Device setup' dialog box is open, showing a list of existing devices and an 'Add device' form. The 'Add device' form has a red box around the 'Remark' input field and a red arrow pointing to the 'Add' button. A red text annotation says 'Please type the Device name, For example TV or AC'. Another red arrow points from the 'Add' button to the text 'Then click Add'. Below the dialog, a 'Step 4' section shows a 'Device setup..' button highlighted with a red box. The 'Device setup' dialog box contains the following information:

ID	Remark
1	Music on
2	AUX AC
3	GREE YB0F2
4	G4 Remote Control
5	kelonAC
6	adam
7	spenc
8	D-BOX
9	Muhammed AC
10	Midea rn51b
11	Andrio TV
12	t
13	Amin
14	Amin bathroom TV

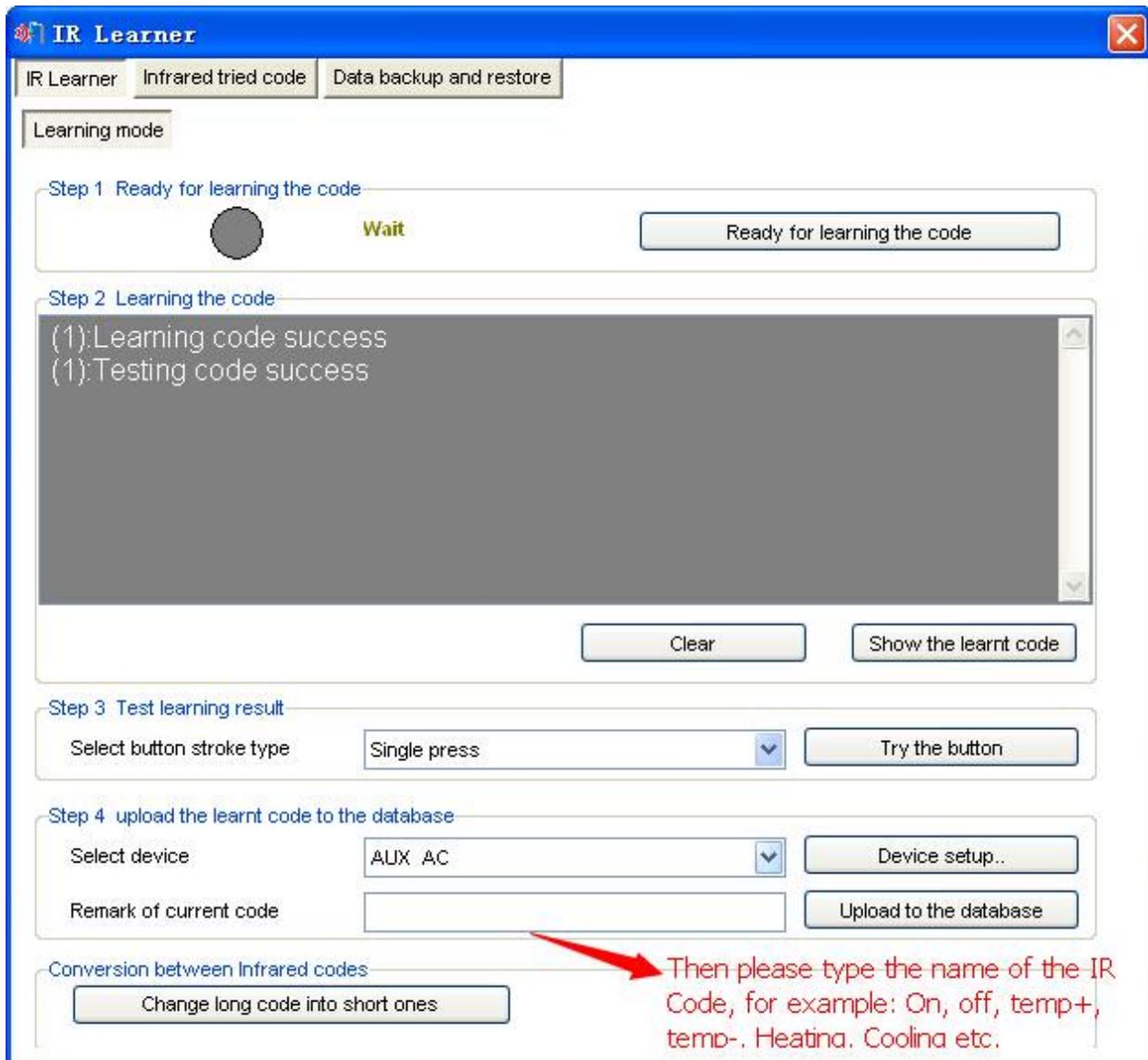
The 'Add device' form includes the following fields and buttons:

- Remark:
- Add:
- ID: 1
- Remark:
- Save:
- Delete:
- Exit:

The 'Step 4' section includes the following fields and buttons:

- Select device:
- Remark of current code:
- Device setup..:
- Upload to the database:
- Change long code into short ones:

7, After you selected the device or setup a new device. You need to remark the IR code. Because one device like a AC has many IR codes to control that. You need to remark them with different name for reference.



IR Learner

IR Learner Infrared tried code Data backup and restore

Learning mode

Step 1 Ready for learning the code

Wait Ready for learning the code

Step 2 Learning the code

(1):Learning code success
(1):Testing code success

Clear Show the learnt code

Step 3 Test learning result

Select button stroke type Single press Try the button

Step 4 upload the learnt code to the database

Select device AUX AC Device setup..

Remark of current code Upload to the database

Conversion between Infrared codes

Change long code into short ones

Then please type the name of the IR Code, for example: On, off, temp+, temp-. Heating. Cooling etc.

8, Then upload the IR code to the Smart Cloud database.

The screenshot shows the IR Learner software interface with the following components:

- IR Learner** window title bar with a close button (X).
- Navigation tabs: **IR Learner**, **Infrared tried code**, and **Data backup and restore**.
- Learning mode** section:
 - Step 1 Ready for learning the code**: Includes a red dot indicator, the text "Ready for getting data", and a button labeled "Ready for learning the code".
 - Step 2 Learning the code**: A list of 10 learned IR codes, each starting with a number in parentheses (4) through (10) followed by a sequence of hexadecimal values. A small dialog box titled "IR Learner" with a close button (X) is overlaid on the right, displaying "Upload success!" and a button labeled "确定".
 - Buttons: "Clear" and "Show the learnt code".
- Step 3 Test learning result**: Includes a dropdown menu for "Select button stroke type" (set to "Single press") and a button labeled "Try the button".
- Step 4 upload the learnt code to the database**: Includes a dropdown menu for "Select device" (set to "AUX AC"), a text field for "Remark of current code" (containing "temp-"), a button labeled "Device setup..", and a button labeled "Upload to the database" which is highlighted with a red border and a red arrow pointing to it.
- Conversion between Infrared codes**: A button labeled "Change long code into short ones".

Then click this button to upload the IR code

9, Then please go to a IR module. First choose a IR number (As the following picture I chose 19), And select the device and select the IR code name. Then click download to the IR module. And with the IR number we can organize the IR codes.

The screenshot shows the 'IR Emitter with Current Sensor' configuration page. The 'General' tab is active, showing the 'IR Emitter' section. The 'Device' is set to '1-52-SB-IR-UN' and 'Enable IR Emitter' is checked. The 'Current IR Information' section shows 'IR No: 19', 'Total QTY for enabled IR: 18', and 'Total QTY for disabled IR: 2'. The 'Download code to current IR No' section has 'Select device: AUX AC' and 'Select code: 148-temp-'. The 'Test IR Code you have downloaded' section has 'Way of Pressing' set to 'Once'. The 'Current status' is 'Standby'. Red annotations include: 'Select the device you defined' pointing to 'AUX AC'; 'select the IR code name you defined' pointing to '148-temp-'; 'Click here to download the IR code from the database to the IR Emitter.' pointing to the 'Download Now' button; and 'First choose a IR number, click it.' pointing to the '19' in the 'Status' column of the 'IR information' table.

IR information

IR number	Remark	Status
7	AUX AC_cool 20c	Enabled
8	AUX AC_cool 21c	Enabled
9	AUX AC_cool 22c	Enabled
10	AUX AC_cool 23c	Enabled
11	AUX AC_cool 24c	Enabled
12	AUX AC_cool 25c	Enabled
13	AUX AC_cool 26	Enabled
14	AUX AC_cool 27c	Enabled
15	AUX AC_cool 28c	Enabled
16	AUX AC_High Fan Sp	Enabled
17	AUX AC_Medium Fan S	Enabled
18	AUX AC_Low Fan Spe	Enabled
19		Disabled
20		Disabled