File Creation Date: August22nd, 2017

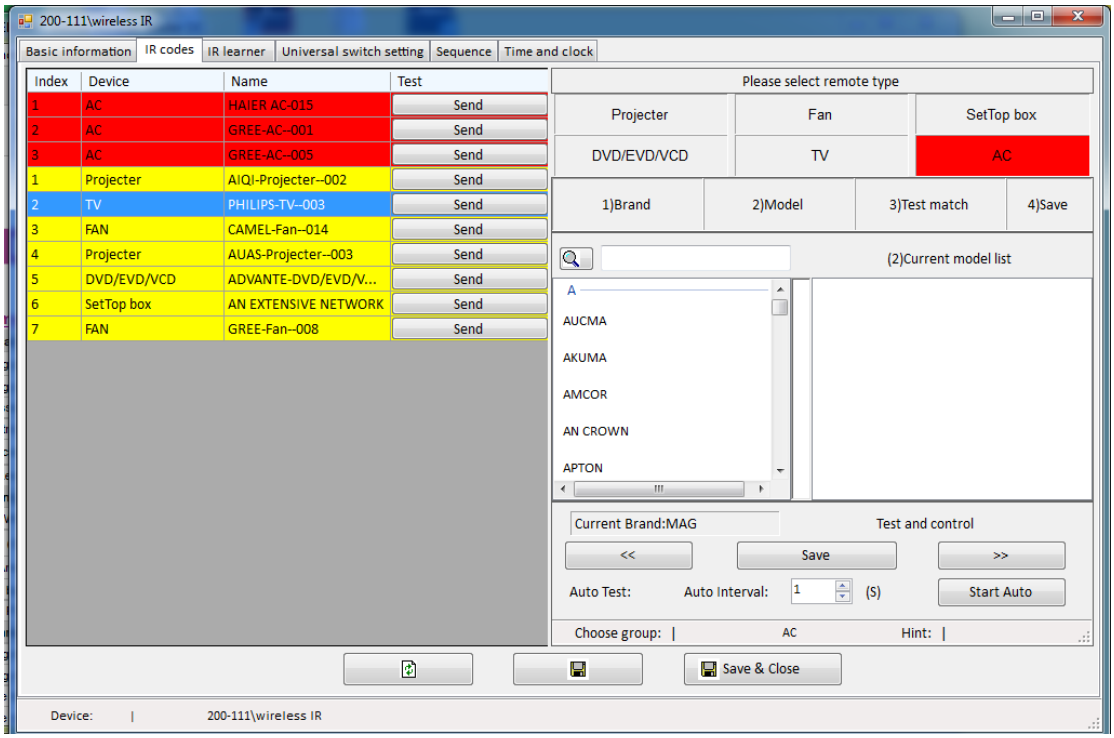
Product Name: HDL-MIR01R-RF.10

Firmware Used: HDL_V05.14U_2017/03/13

Software Used: HDL Buspro Setup Tool 2

HDL-MIR01R-RF.10 is the IR emitter module that adopting a new method by which installer can just lookup the IR database by selecting the brand and series and carry out an one-minute test. The IR database is provided by HDL and supposed to be cover most of IR controlled devices all over the world.

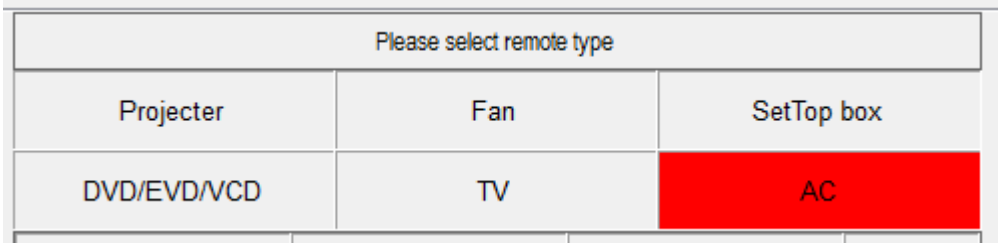
There are 10 space(Index1-10), one device IR codes can be uploaded to one space, means you can upload 10 devices' IR codes to one module simultaneously. Index 1-3 is for AC only, and index 1 for channel 1, index 2-3 are reserved for channel 2-3for the official IR Emitter in the future. Index 4-10 for any type device.



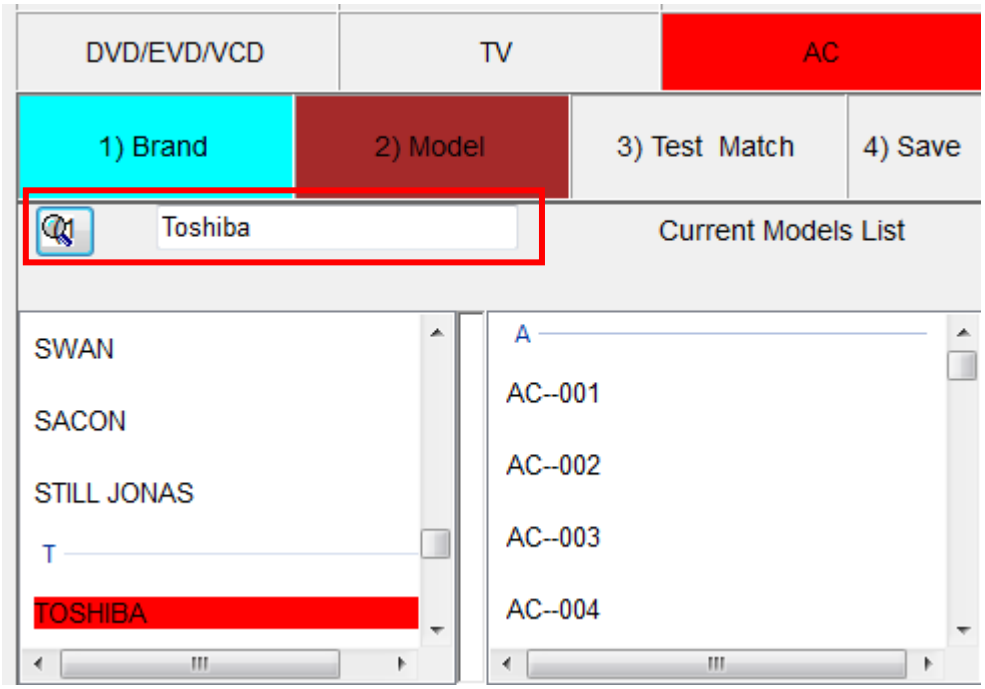
1- Upload steps:

There are several steps to upload the IR codes to the module:

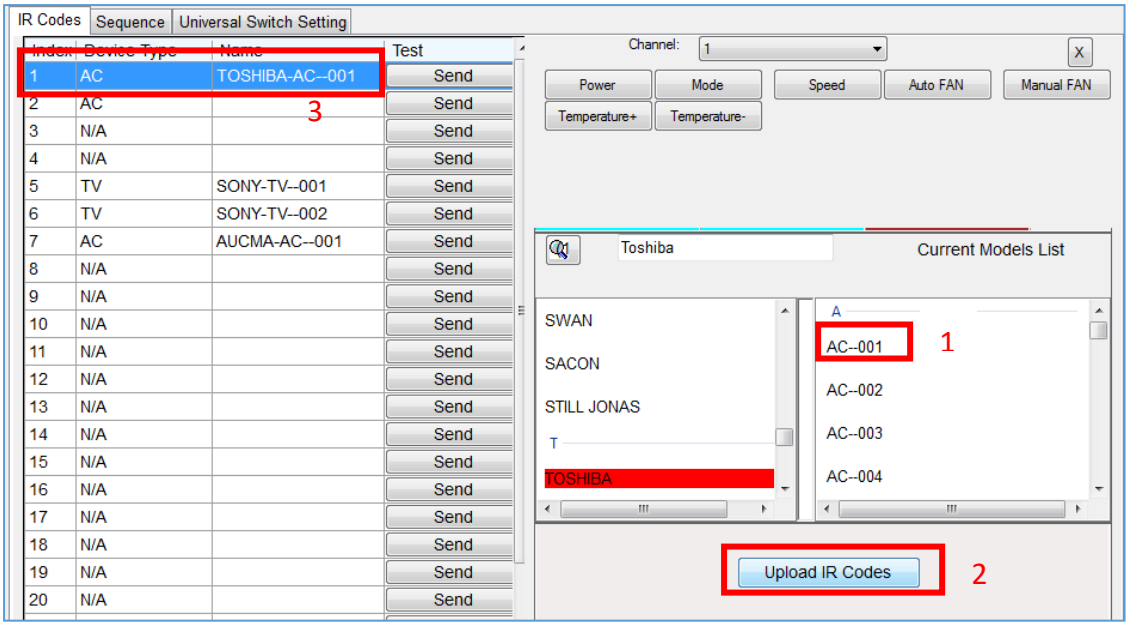
1) Select the device type, here select AC for example, its back ground will turn red.



2) Type the AC brand in the search box to find the device you need, e.g. Toshiba.

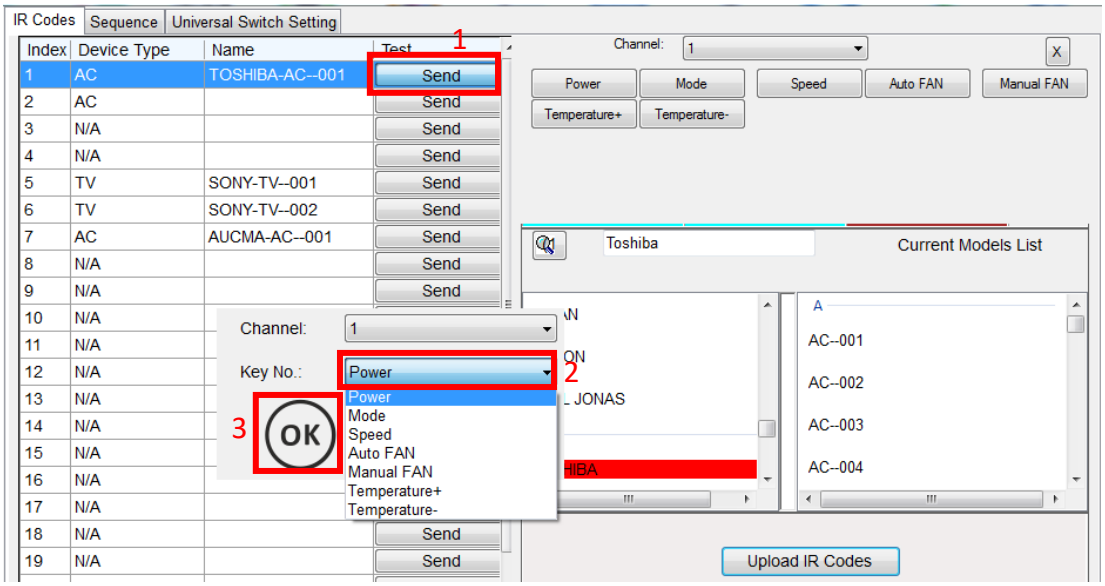


3) For one brand, it will contain many models which use different IR codes. For Toshiba, it contains AC_001 to AC_058 in the list, select one of them and upload to the index 1 position.



4) Enter the testing interface to test the uploaded codes can control the

AC or not.

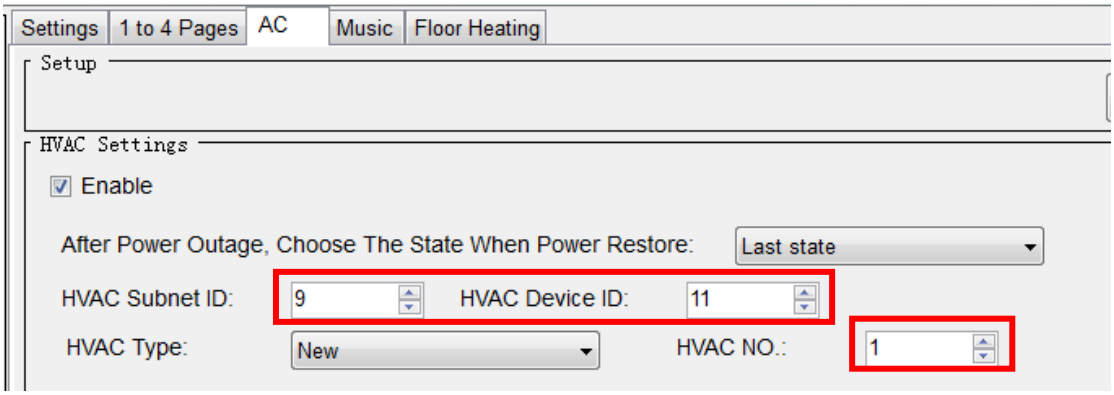


5) If the codes are working, save them; if not working, upload another model to test until they wok.

2- Control Setting:

1) Direct control

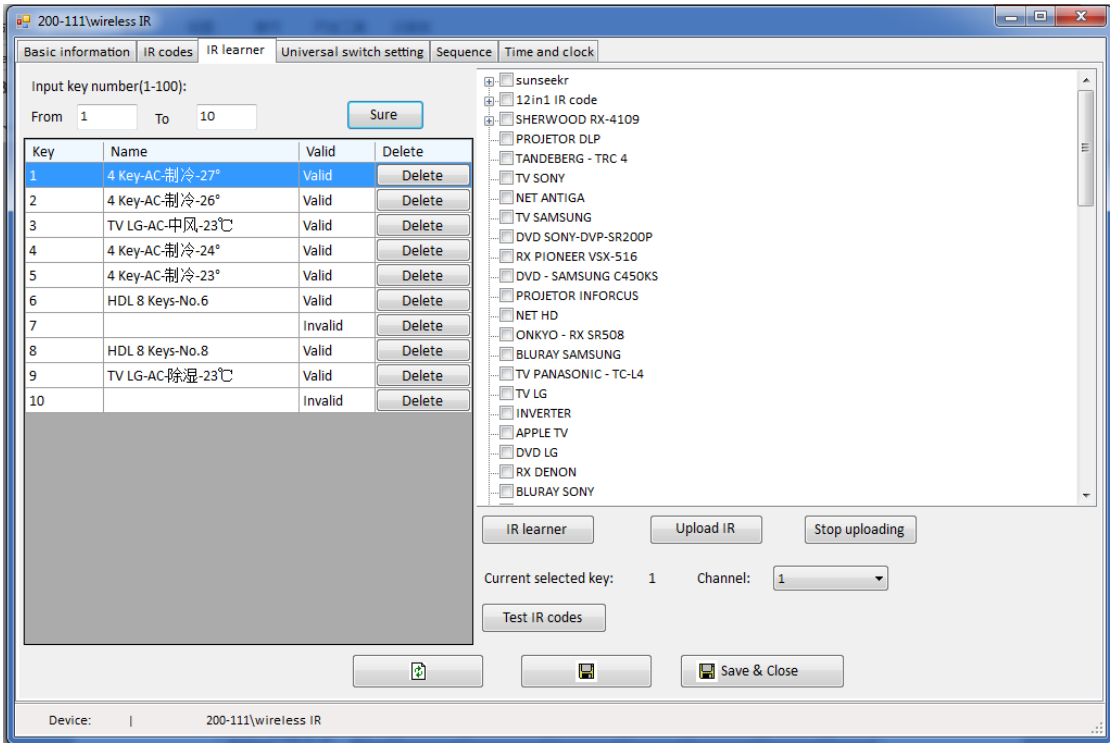
To control the AC in index 1-3, you only need to set the IR Emitter ID and channel number in the DLP AC page, AC No.1 for index1(channel1). Now you can fully control the AC from DLP.



Use normal button to control the codes in index 4-10 directly, our panel will add new command for this function in the future.(//2017-08-22)

3) IR learner

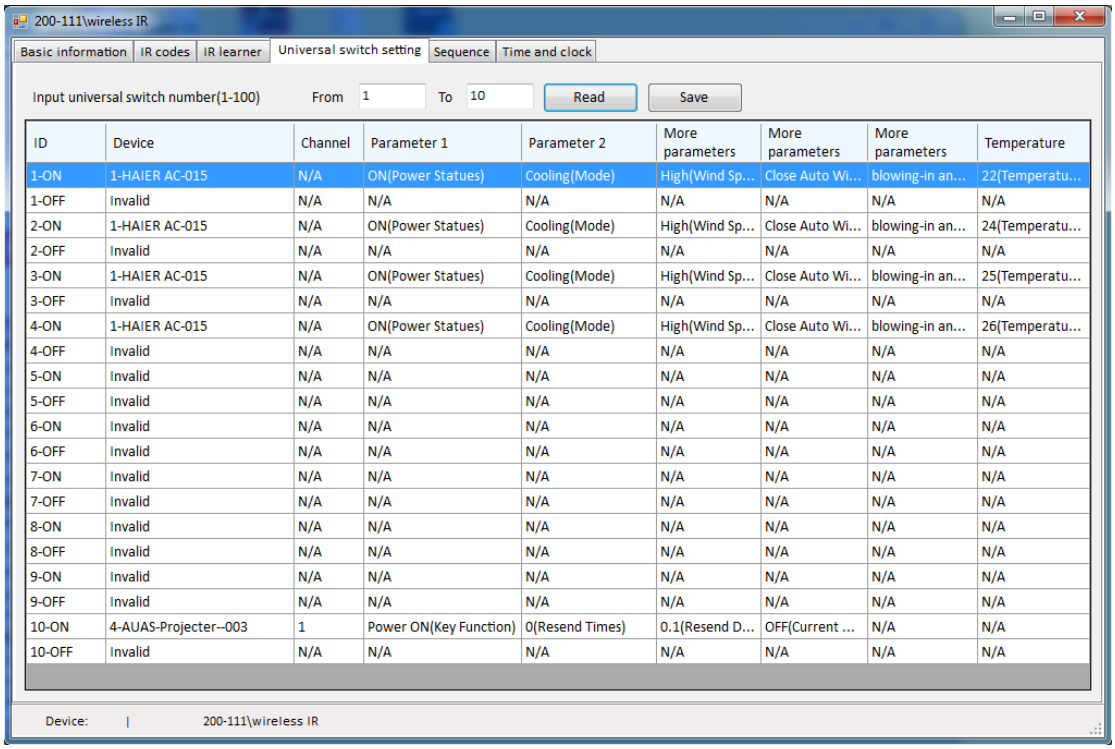
You could learn the IR code in this device like the old IR EM module.



3) Universal switch control

There are 100 UV Switches available, each switch has ON/OFF state to

link with one code, support 200 codes totally. Input the needed range, click ‘read’ to show the setting section.



ID	Device	Channel	Parameter 1	Parameter 2	More parameters	More parameters	More parameters	Temperature
1-ON	1-HAIER AC-015	N/A	ON(Power Statues)	Cooling(Mode)	High(Wind Sp...	Close Auto Wi...	blowing-in an...	22(Temperatu...
1-OFF	Invalid	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2-ON	1-HAIER AC-015	N/A	ON(Power Statues)	Cooling(Mode)	High(Wind Sp...	Close Auto Wi...	blowing-in an...	24(Temperatu...
2-OFF	Invalid	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3-ON	1-HAIER AC-015	N/A	ON(Power Statues)	Cooling(Mode)	High(Wind Sp...	Close Auto Wi...	blowing-in an...	25(Temperatu...
3-OFF	Invalid	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4-ON	1-HAIER AC-015	N/A	ON(Power Statues)	Cooling(Mode)	High(Wind Sp...	Close Auto Wi...	blowing-in an...	26(Temperatu...
4-OFF	Invalid	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5-ON	Invalid	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5-OFF	Invalid	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6-ON	Invalid	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6-OFF	Invalid	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7-ON	Invalid	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7-OFF	Invalid	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8-ON	Invalid	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8-OFF	Invalid	N/A	N/A	N/A	N/A	N/A	N/A	N/A
9-ON	Invalid	N/A	N/A	N/A	N/A	N/A	N/A	N/A
9-OFF	Invalid	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10-ON	4-AUAS-Projecter--003	1	Power ON(Key Function)	0(Resend Times)	0.1(Resend D...	OFF(Current ...	N/A	N/A
10-OFF	Invalid	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Index: universal switch number

Device: select the device which has uploaded codes to index 1-10

Type:

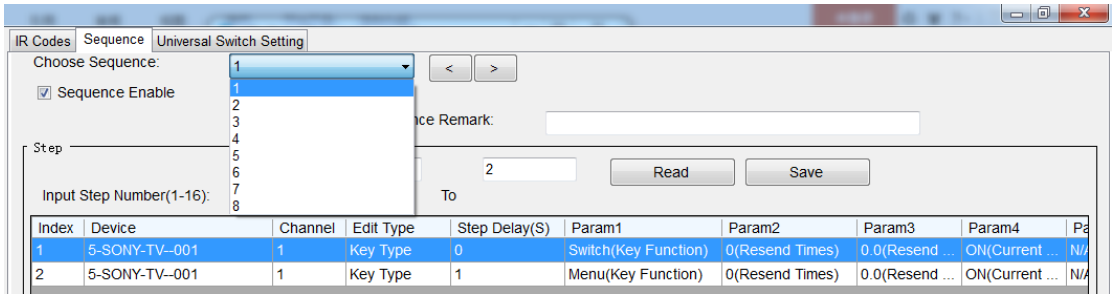
Key type: for normal devices, e.g. TV, DVD, etc.

Information type: for AC only, one code will contain the mode, fan and temperature information which can control AC to specified status.

Index	Device	Channel	Edit Type	Param1	Param2	Param3	Param4	Param5	Temperatu
1-ON	5-SONY-TV--001	1	Key Type	Switch(Key Functi...	0(Resend Ti...	0.1(Resen...	OFF(Current ...	N/A	N/A
1-OFF	5-SONY-TV--001	1	Key Type	Menu(Key Function)	0(Resend Ti...	0.1(Resen...	OFF(Current ...	N/A	N/A
2-ON	7-AUCMA-AC--001	1	Infomation Type	ON(Power Statues)	Cooling(Mode)	Low(Wind ...	Close Auto Wi...	blowing-in angle 1	25(Temper
2-OFF	7-AUCMA-AC--001	1	Infomation Type	ON(Power Statues)	Cooling(Mode)	High(Wind ...	Auto Windswe...	blowing-in angle 1	20(Temper

2) Sequence control

There are 8 sequences available, it can send out different codes alternately one time, use UV switch 201-208 can call sequence 1-8.


IR Codes
Sequence
Universal Switch Setting
Choose Sequence:
1
Sequence Enable
1
2
3
4
5
6
7
8
<
>
ce Remark:
Step
Input Step Number(1-16):
2
To
Read
Save
Index
Device
Channel
Edit Type
Step Delay(S)
Param1
Param2
Param3
Param4
1
5-SONY-TV--001
1
Key Type
0
Switch(Key Function)
0(Resend Times)
0.0(Resend ...
ON(Current ...
2
5-SONY-TV--001
1
Key Type
1
Menu(Key Function)
0(Resend Times)
0.0(Resend ...
ON(Current ...