

**'INTERRA**  
academy

**IR Emitter and IR Learner**



1 Communication mode Ctrl+Alt+C

Serial number management

Language ▶

Skin ▶

Button RGB adjust

Voltage/Current/Power Adjust

Upgrade device

Upgrade IRACC

Device type	Remark
M/IRAC.1(V1.1)	IR Emitter

Communication

Select communication interface: 2

Router

Config interface

Local address

Test OK 4

Apply

ETS Connection Manager

Configured Connections

Router

Properties

Name: Router

Type: KNXnet/IP

Standard connection

Communication parameters 3

KNXnet/IP device: Rescan

'P' indicates programming mode active

INTERRA KNX IP Router (192.168.5.21)

MAC addr.: D0:76:50:00:5F:5B

Name: INTERRA KNX IP Router

IP address: 192.168.5.214

Port: 3671 NAT mode

KNXnet/IP Diagnostic Wizard

OK Cancel

1. Run "Interra KNX Assistant Software" and open "Communication Mode".
2. Open "Config Interface" page.
3. Choose "Connection Type" and "Device", click Ok
4. Test your Communication Interface. It must be "OK".



Setting



Add device



Clear device



Edit device

Device information

Index	Physical address	Device type	Remark
1	8.1.4	M/IRAC.1(V1.1)	IR Emitter

Add Device ✕

Device Type:

Physical address:  .  .

Remark:

- Click “Add device” and add physical address of your KNX IR Emitter device. You can give name for device.
- Open the device you added with double click

- Connect IR Learner to PC with USB cable. No USB driver is needed for this IR Learner.



## Basic information

Physical address: 8 . 1 . 4 Remark: IR Emitter

Modify

Add

Save list

Import of file

Export to file

Download all

Type	Code No.	Remark	IR code
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## Add IR code

## Find IR learner

IR learner: Interra-IR-Learner

1 Refresh

Infrared learner Infrared tried code Exchange codes from HDL BUS



Input learn status

Read

Test IR

2

1. Click "Refresh" and find your IR Learner.
2. When you click "Input Learn Status", Icon will turn on Red on program and blue led will be ON at IR Learner device. Then its ready to learn code

IR code Type:

Universal

Universal IR Code No.(1-150):

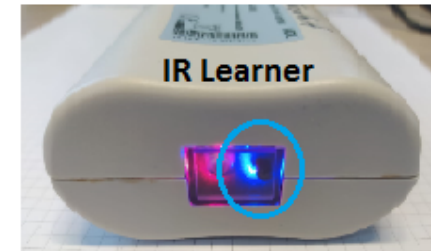
Remark:

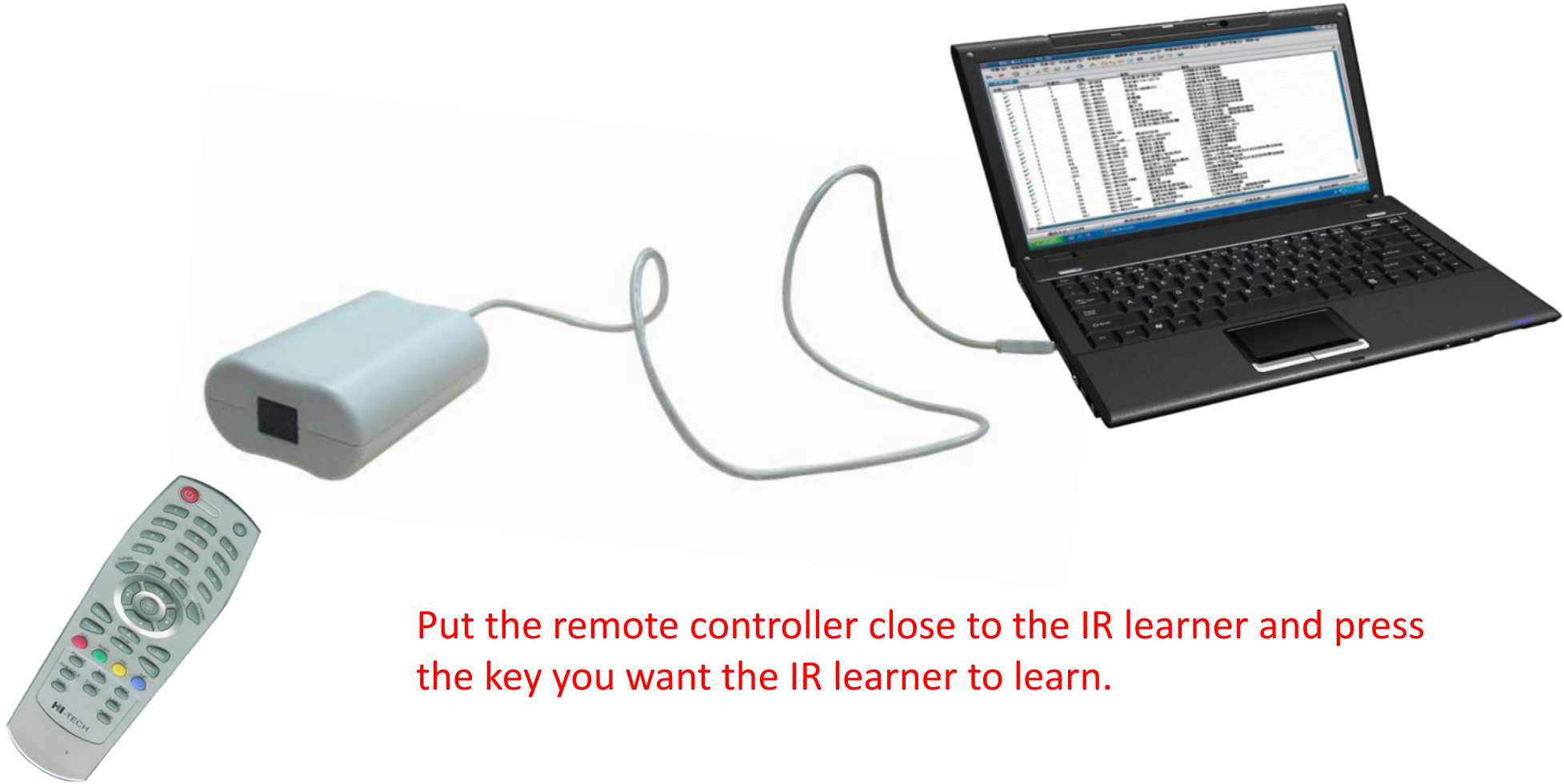
Add to edit list

Exit

Clear code

Cur IR code length: 0





Put the remote controller close to the IR learner and press the key you want the IR learner to learn.

## Add IR code



Find IR learner

IR learner:

Interra-IR-Learner



Refresh

Infrared learner

Infrared tried code

Exchange codes from HDL BUS



Input learn status

Read

Test IR

```
00 55 0F 09 02 71 35 36 36 04 04 00 00 00
00 00 03 00 01 02 02 02 02 02 02 02 01
02 02 01 01 01 01 02 01 01 01 02 01 02 01
01 02 02 02 02 02 02 02 02 02 02 02 01
01 01 01 01 02 01 02 02 01 02 02 02 02 02
01 7B 01 5D 04 37 00 BF 00 37 00 43 00 37
00 A4 9F
```

- Click "Learning" to show the code you have learnt

IR code Type:

Universal

Universal IR Code No.(1-150):

Remark:

Add to edit list

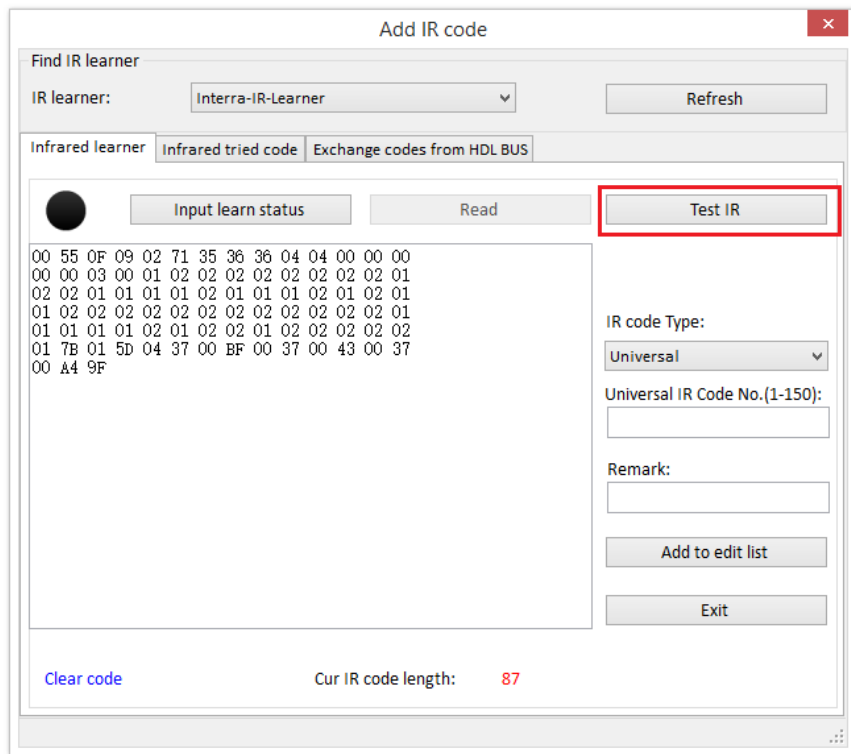
Exit

Clear code

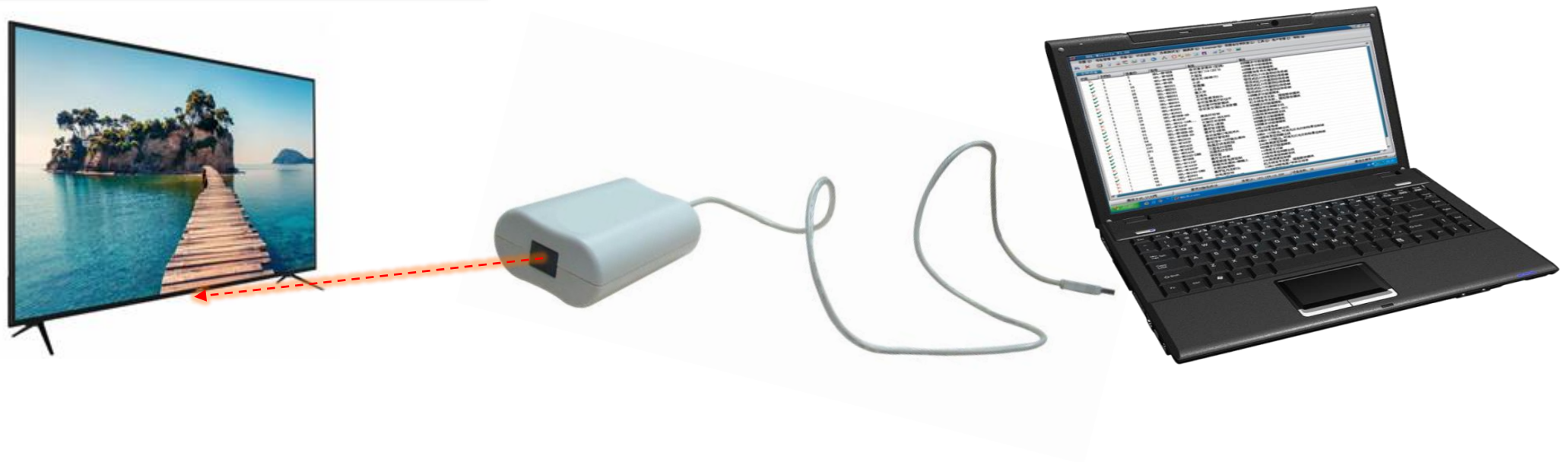
Cur IR code length:

87





- Use the IR learner to test the IR code you have just learnt. If the test is not successful, need to learn the code again.





## Basic information

Physical address:

8 . 1 . 4

Remark:

IR Emitter

Modify

Add

Save list

Import of file

Export to file

Download all

2

Type	Code No.	Remark	IR code
Universal	Universal IR Code 1	TV ON	00 55 0F 09 02 71 35 36 36 04 04 00 00 00 00 03 00 01 02 02 02 02 02 02 02 01 02 02 01 01 01 01 02 01 01 0

## Add IR code

Find IR learner

IR learner:

Interra-IR-Learner

Refresh

Infrared learner

Infrared tried code

Exchange codes from HDL BUS

Input learn status

Read

Test IR

```
00 55 0F 09 02 71 35 36 36 04 04 00 00 00 00 03 00
01 02 02 02 02 02 02 02 02 01 02 02 01 01 01 02 01
01 01 02 01 02 01 01 02 02 02 02 02 02 02 02 02 02
02 01 01 01 01 01 02 01 02 02 01 02 02 02 02 02 01 7B
01 5D 04 37 00 BF 00 37 00 43 00 37 00 A4 9F
```

IR code Type:

Universal

Universal IR Code No.(1-150):

1

Remark:

TV ON

Add to edit list

Exit

Clear code

Cur IR code length:

87

1. If the test is successful, save the code with "IR Code No" and "Remark"
2. To send the code to KNX IR Emitter, click "Download All"

## 8.1.4 Infrared Emitter 4CH > Single mode

Notes	=>Single mode functions page:	=====
General	Enable:"universal IR code 1..20"	<input type="radio"/> Disabled <input checked="" type="radio"/> Enabled
Functions	Enable:"universal IR code 21..40"	<input checked="" type="radio"/> Disabled <input type="radio"/> Enabled
Single mode	Enable:"universal IR code 41..60"	<input checked="" type="radio"/> Disabled <input type="radio"/> Enabled
->Universal IR code 1..20	Enable:"universal IR code 61..80"	<input checked="" type="radio"/> Disabled <input type="radio"/> Enabled
	Enable:"universal IR code 81..100"	<input checked="" type="radio"/> Disabled <input type="radio"/> Enabled
	Enable:"universal IR code 101..120"	<input checked="" type="radio"/> Disabled <input type="radio"/> Enabled
	Enable:"universal IR code 121..140"	<input checked="" type="radio"/> Disabled <input type="radio"/> Enabled
	Enable:"universal IR code 141..150"	<input checked="" type="radio"/> Disabled <input type="radio"/> Enabled

- Do configuration with IR Code NOs saved and download application to KNX IR Emitter.

## 8.1.4 Infrared Emitter 4CH > ->Universal IR code 1..20

Notes	Enable universal IR code 1	<input type="radio"/> Disabled <input checked="" type="radio"/> Enabled
General	->Remark	TV ON
Functions	->Select emitting channel	A
Single mode	->Emitting when receive the value	'1'
	->Status	No
->Universal IR code 1..20	Enable universal IR code 2	<input checked="" type="radio"/> Disabled <input type="radio"/> Enabled
	Enable universal IR code 3	<input checked="" type="radio"/> Disabled <input type="radio"/> Enabled
	Enable universal IR code 4	<input checked="" type="radio"/> Disabled <input type="radio"/> Enabled

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