

KC868-A series board “KCS” user guide v2.0

Note: This document use for KinCony ESP32 smart controller:

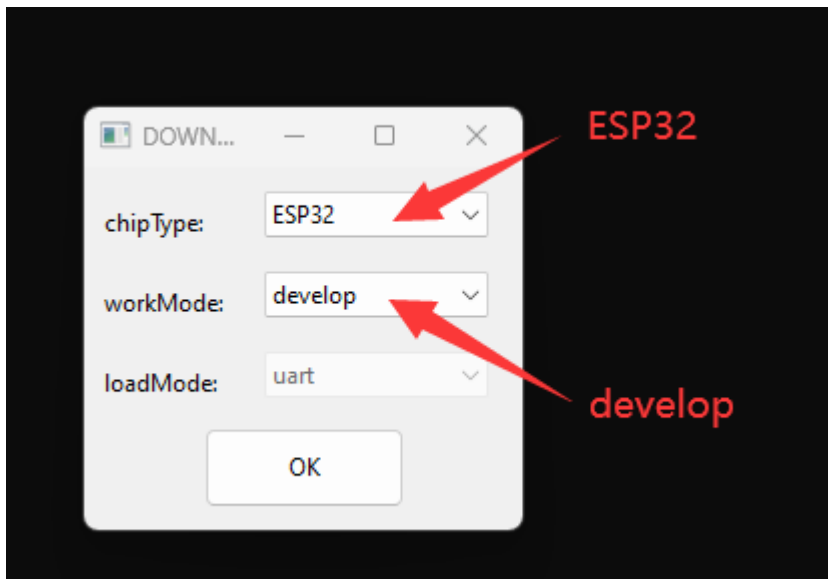
1. KC868-AM ASR A2 A4 A4S A6 A8 A8M A8S A16 A16S E16S A32 A32M A64 A128
AG AK AI AIO AP

2. Download “KCS” firmware to KinCony KC868-A series board.

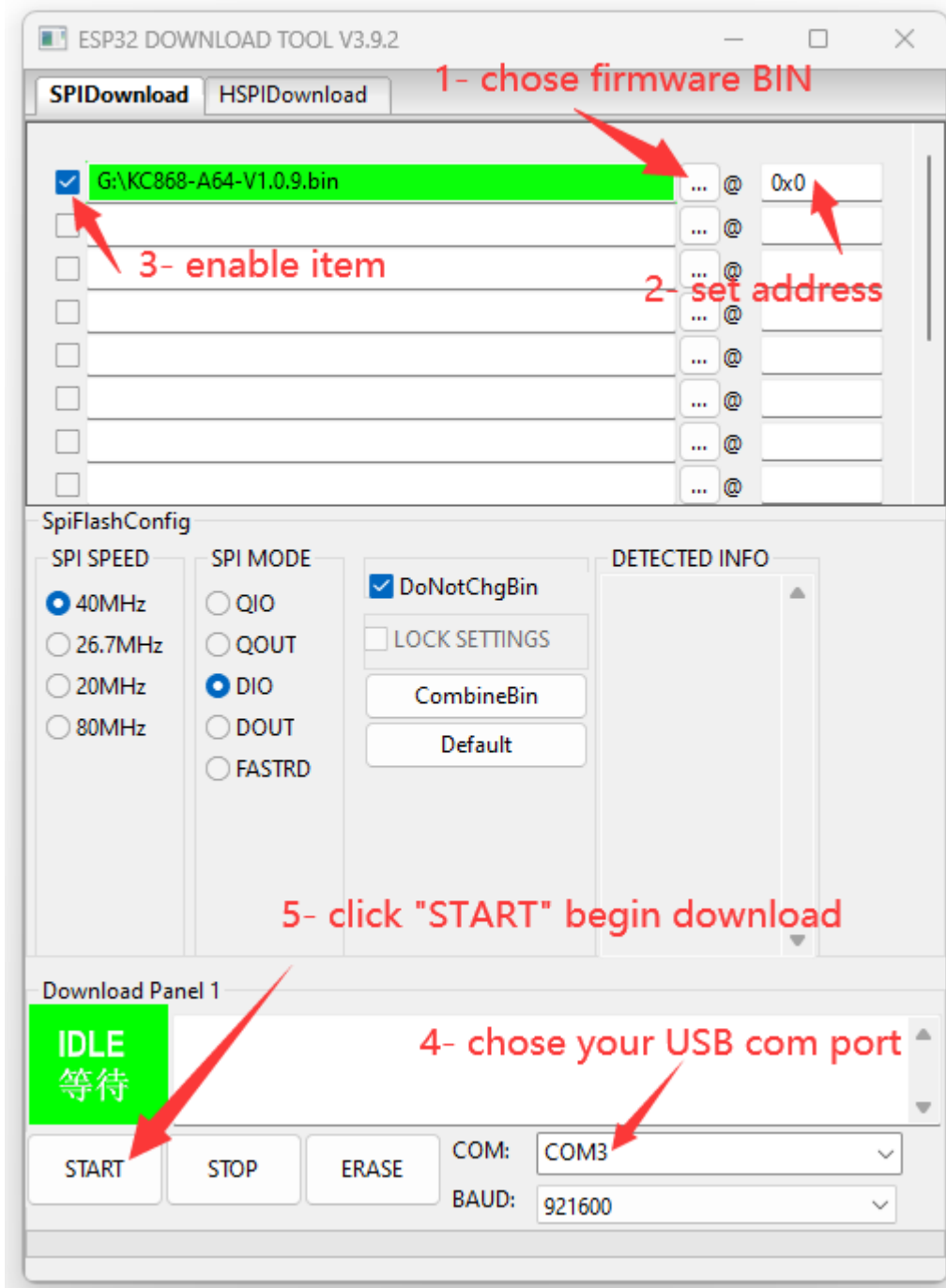
a. Download “ESP32 download tool” from

https://www.kincony.com/wp-content/uploads/2022/08/flash_download_tool_3.9.2.zip

b. Open “flash_download_tool_3.9.2.exe”, chose “ESP32” and “develop” item.



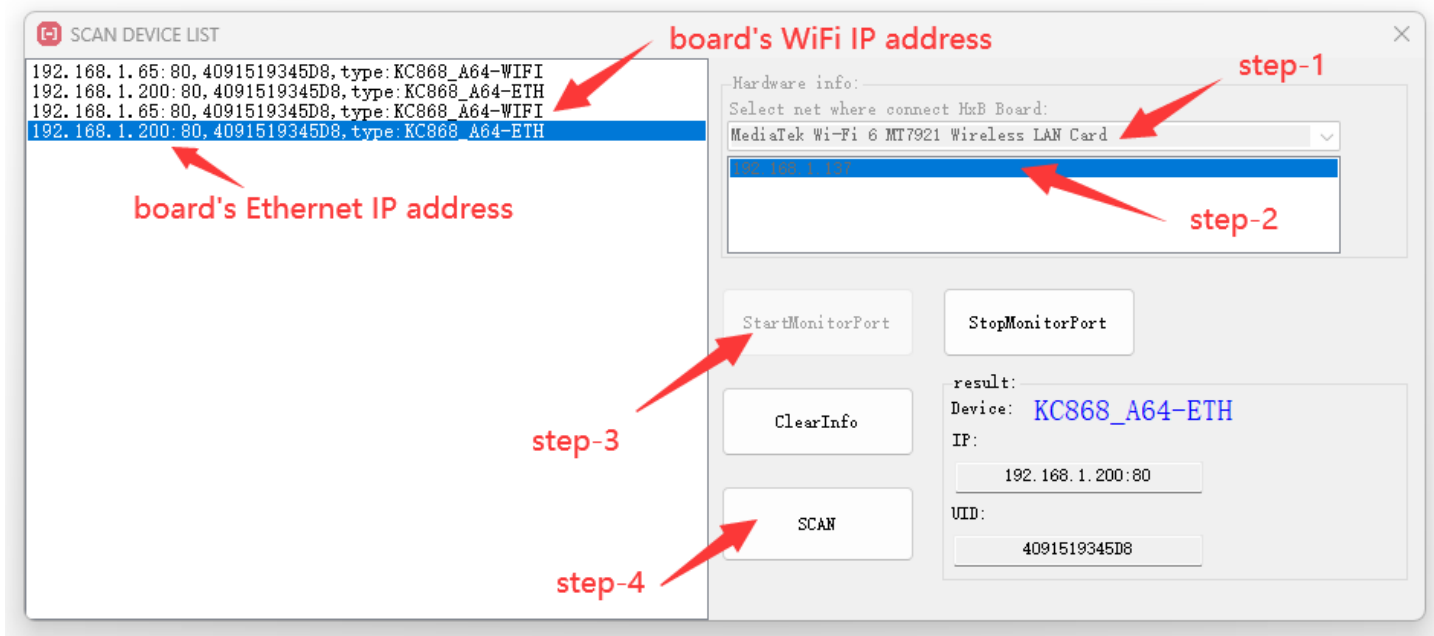
c. Chose firmware BIN file and COM port then begin download. Total 5 steps.



3. Use ethernet cable or WiFi config setting.

- a. use ethernet cable connect board to your router, make sure your computer also connect with same router, just all in one local network.
- b. Power on of your board, you can use KinCony scan device tool to find output board IP address.

https://www.kincony.com/download/KinCony-SCAN_Device.zip



Total 5 steps to find out IP address.

Step-1: chose your computer network adapter when you are using.

Step-2: chose your computer IP address item.

Step-3: click "StartMonitorPort" button.

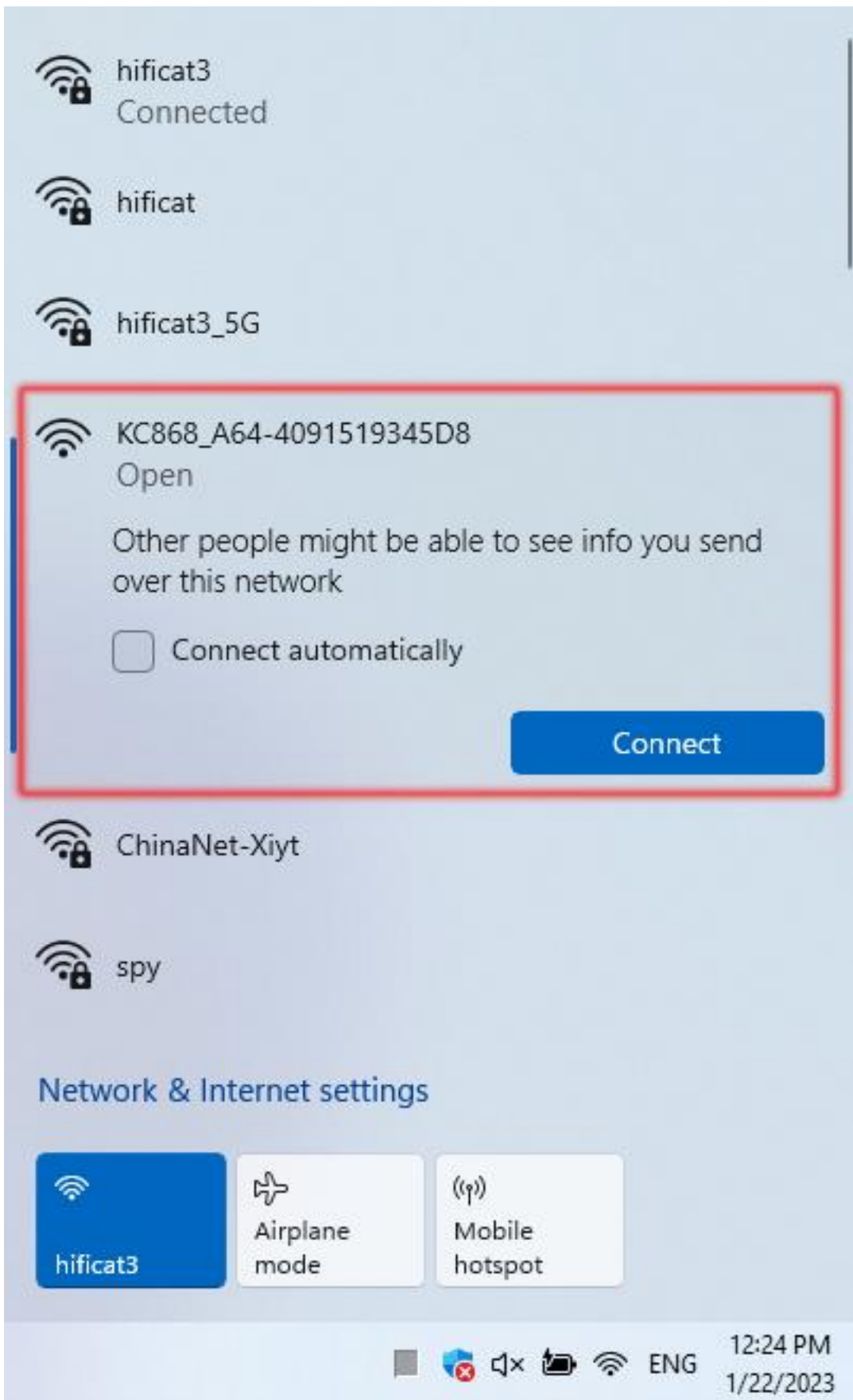
Step-4: click "SCAN" button.

Step-5: board's ethernet or WiFi IP address , ID and type name will be listed.

If you first time power on , you board will be found by ethernet IP address. Because your WiFi is work as "AP" mode as default. After you config your WiFi as "STA" mode, you will find out the WiFi IP address by KinCony scan device tool.

You can use ethernet IP address login by web browser to config board setting.

Note: if you want config only by WiFi, when power on, your computer will find the "AP" hotspot, WiFi signal named "board name" + "ID".



Let your computer connect to the “AP”, it’s without password, after you connected, just use <http://192.168.4.1> to login by webpage. Then you can set wifi to “STA” mode with your router’s SSID and PASSWORD.

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BASIC

WIFI

enable



mode

AP



wifi ssid

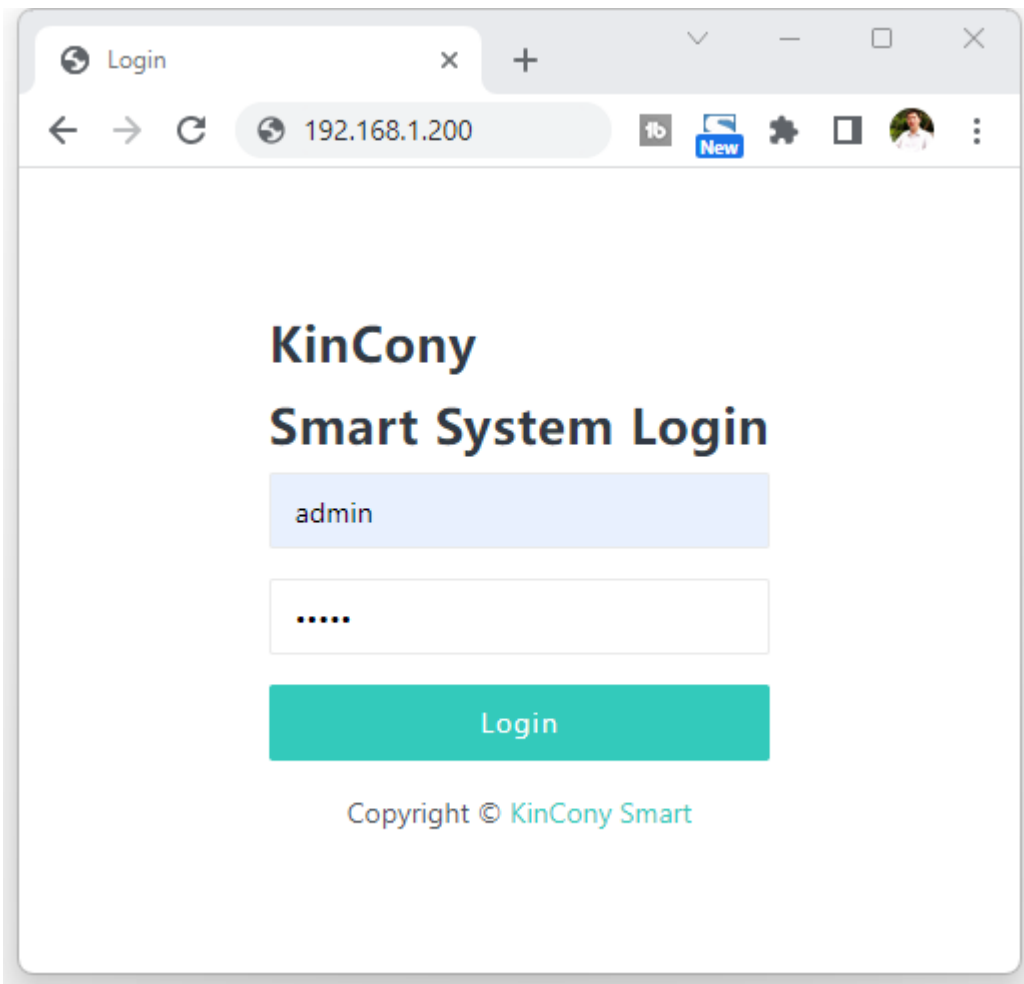
wifi ssid

wifi password

wifi password

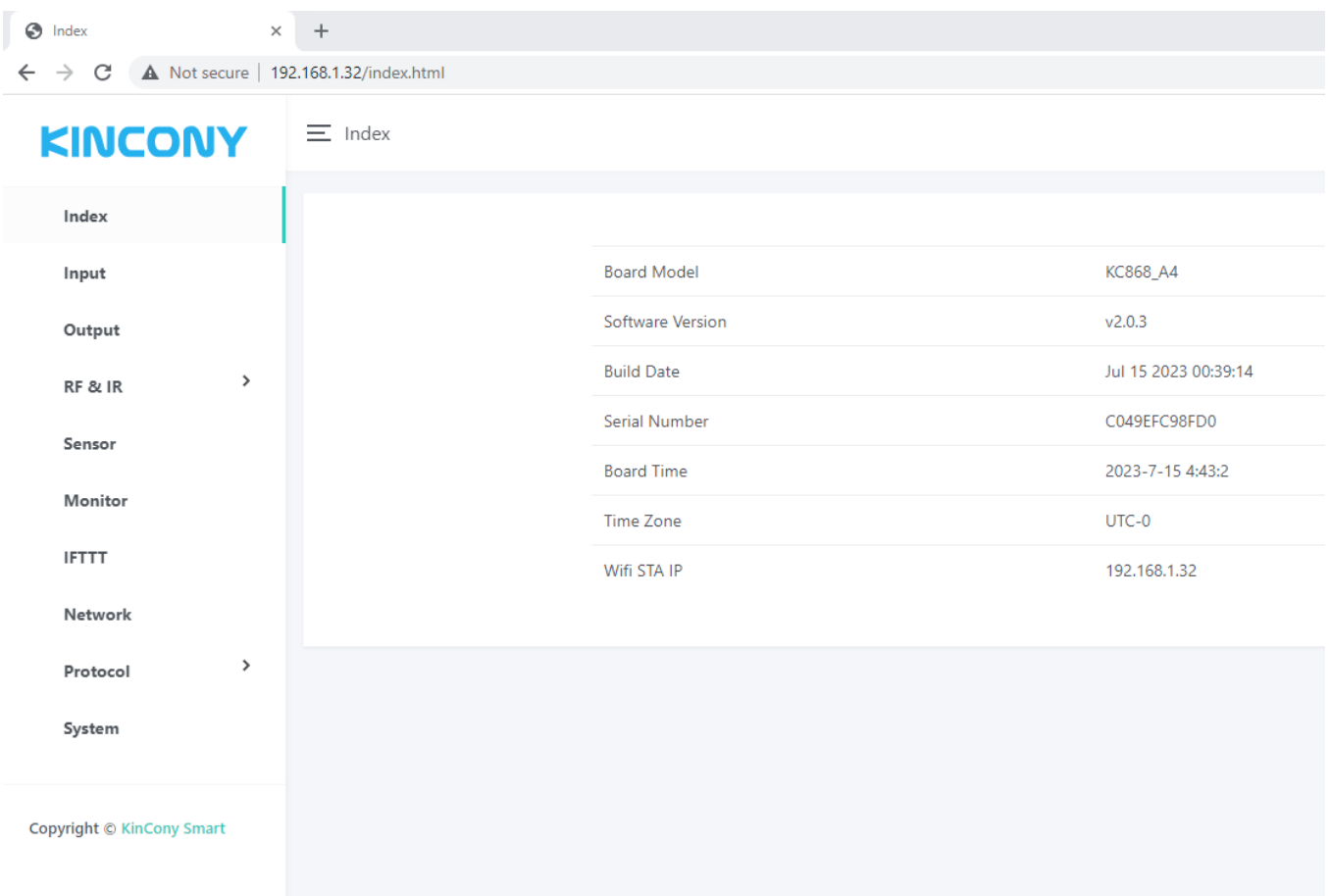
Save

If you can't see the "AP", you can "hold on" board's function button (ESP32 GPIO0) >10 seconds, then board will be set to factory, default state is "AP".



You can login webpage by ethernet IP or WiFi IP. Here is sample login by ethernet IP address 192.168.1.200

Login user name and password default are “admin” “admin”



You can see this home page. Some parameters are shown.

The screenshot shows a web browser window with the URL `192.168.1.32/input_setting.html`. The page title is "Input Setting". The KinCony logo is in the top left. A sidebar menu on the left lists various settings categories: Index, Input, Output, RF & IR, Sensor, Monitor, IFTTT, Network, Protocol, and System. The "Input" category is currently selected. The main content area features a table with the following data:

Input ID	Reverse Level
1	<input type="checkbox"/>
2	<input type="checkbox"/>
3	<input type="checkbox"/>
4	<input type="checkbox"/>

Below the table, it says "Showing 1 to 4 of 4 rows". A green button labeled "Save above settings" is positioned at the bottom center of the table area. The footer of the page contains the text "Copyright © KinCony Smart".

Here is INPUT webpage. Set every digital input port how to work with OUTPUT ports.

"Reverse Level": if checked, the effective level at the digital input port becomes inverted. Just digital input use by "HIGH" or "LOW" level. Usually digital input port short with GND = trigger.

Output Setting | 192.168.1.32/output_setting.html

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Output ID	Type	Reverse	Delay Time x100ms	Interlock Group 0 is null ,effective 1-max
1	hold or ▾	<input type="checkbox"/>	0 x 100ms	0 ▾
2	hold or ▾	<input type="checkbox"/>	0 x 100ms	0 ▾
3	hold or ▾	<input type="checkbox"/>	0 x 100ms	0 ▾
4	hold or ▾	<input type="checkbox"/>	0 x 100ms	0 ▾

Showing 1 to 4 of 4 rows

[Save above settings](#)

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Here is OUTPUT webpage.

Output ID	Type	Reverse
1	hold on ▾	<input type="checkbox"/>
2	hold on ▾ <div style="border: 1px solid #ccc; background-color: #e0f2f1; padding: 2px;"> <div style="background-color: #00796b; color: white; padding: 2px;">hold on</div> <div style="padding: 2px;">delay</div> <div style="padding: 2px;">jogging</div> </div>	<input type="checkbox"/>
3	hold on ▾	<input type="checkbox"/>
4	hold on ▾	<input type="checkbox"/>
5	hold on ▾	<input type="checkbox"/>
6	hold on ▾	<input type="checkbox"/>

“hold on”: keep the state after turn ON/OFF

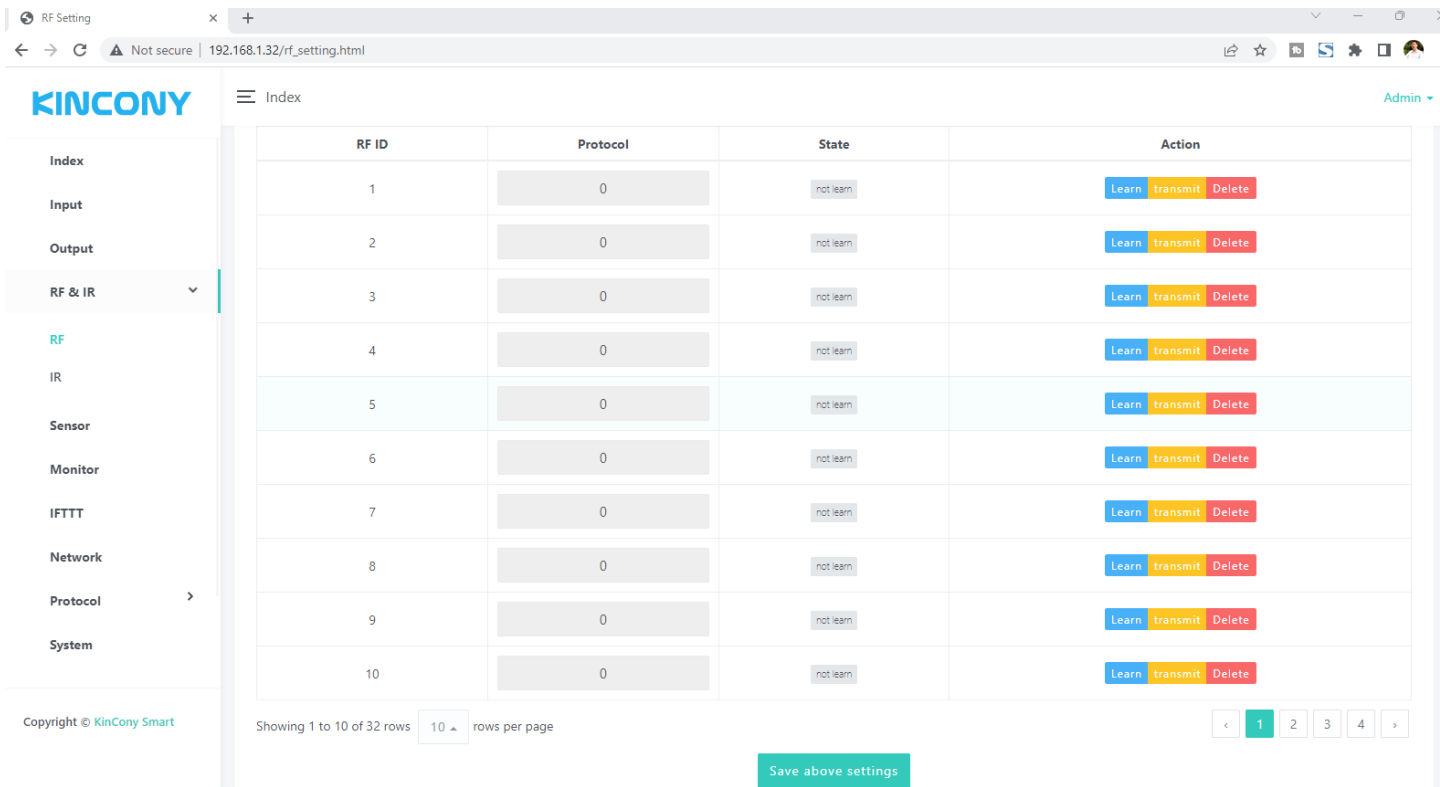
“delay”: after you turn ON digital output, will auto turn OFF after a “delay time” you have preset.

“jogging”: when hold on the INPUT with GND, digital output is ON, release INPUT with GND, digital output will be OFF right now.

Output ID	Type	Reverse	Delay Time (1-255)x100ms	Interlock Group 0 is null ,effective 1-max
1	hold on ▾	<input type="checkbox"/>	0 x 100ms	0 ▾
2	hold on ▾	<input type="checkbox"/>	0 x 100ms	0 ▾
3	hold on ▾	<input type="checkbox"/>	0 x 100ms	0 ▾
4	hold on ▾	<input type="checkbox"/>	0 x 100ms	0 ▾
5	hold on ▾	<input type="checkbox"/>	0 x 100ms	0 ▾
6	hold on ▾	<input type="checkbox"/>	0 x 100ms	0 ▾
7	hold on ▾	<input type="checkbox"/>	0 x 100ms	0 ▾
8	hold on ▾	<input type="checkbox"/>	0 x 100ms	0 ▾
9	hold on ▾	<input type="checkbox"/>	0 x 100ms	0 ▾

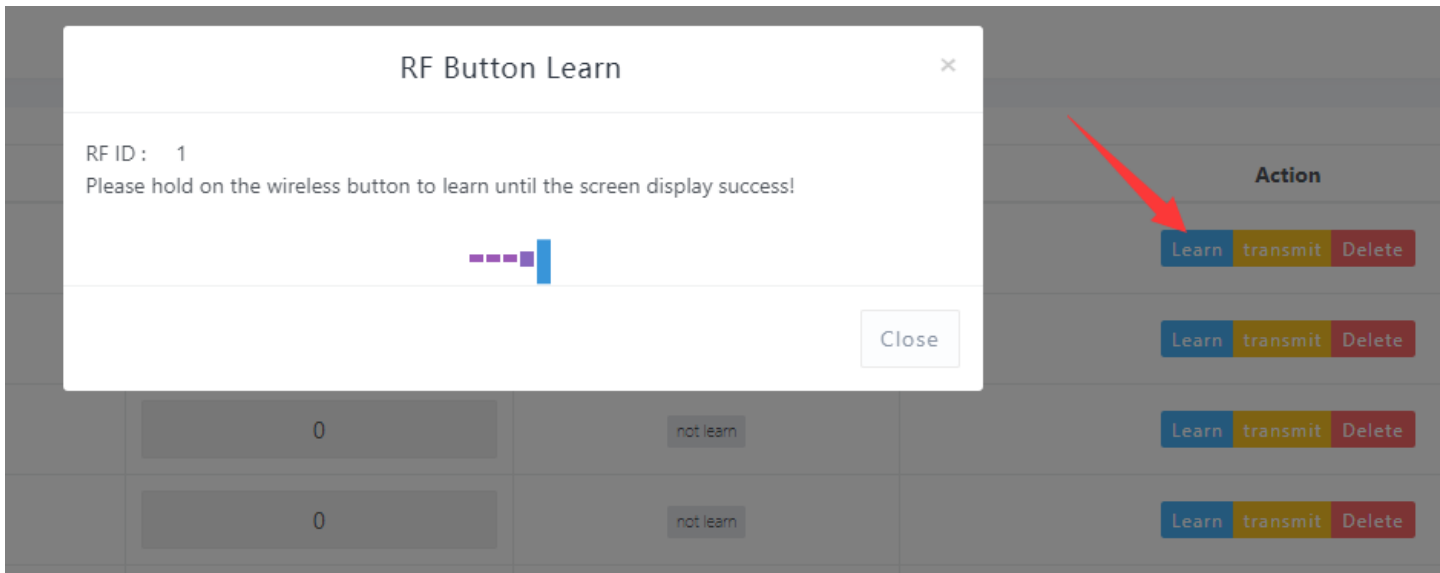
- 0
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19

“Interlock group”: set interlock group for digital output. If set to “0” , disable interlock function. If “Output1” set to “1” and “Output2” set to “1” = Output1 and Output2 work with interlock. If “Output3” set to “2” and “Output4” set to “2” = Output3 and Output4 work with interlock. For example , KC868-A64 have 64 channel digital output, so total will have $64/2=32$ interlock groups.



Here is RF webpage. It support “Learn” , “transmit”, “Delete” RF code. Support EV1527 or PT2262, PT2264 wireless remote code.

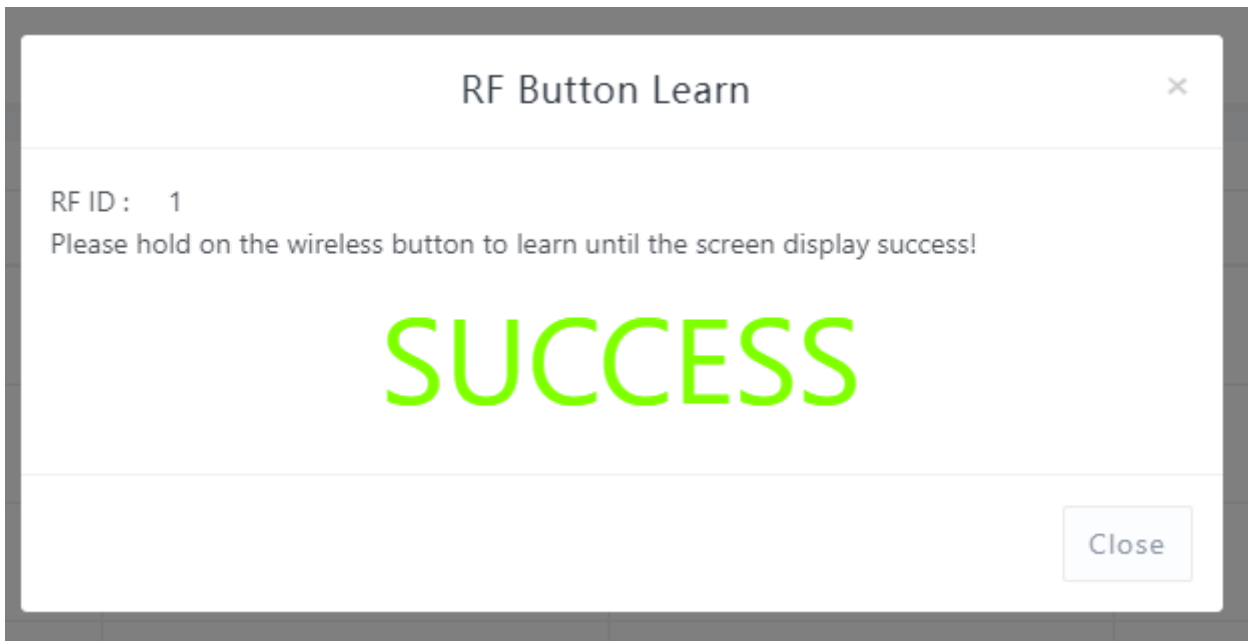
When press “Learn” blue button, begin study mode, wait for you press remote’s button, it will show message:



Then press one button of remote:



If learn signal successful, will show:



If learn signal failure or time out , will show:



After you learned signal, then it will be saved on controller.

IR Setting x +

Not secure | 192.168.1.32/ir_setting.html

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RF & IR

RF

IR

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support NEC or RC5 decode

IR ID	State	Action
1	not learn	Learn transmit Delete
2	not learn	Learn transmit Delete
3	not learn	Learn transmit Delete
4	not learn	Learn transmit Delete
5	not learn	Learn transmit Delete
6	not learn	Learn transmit Delete
7	not learn	Learn transmit Delete
8	not learn	Learn transmit Delete
9	not learn	Learn transmit Delete
10	not learn	Learn transmit Delete

Showing 1 to 10 of 32 rows 10 rows per page

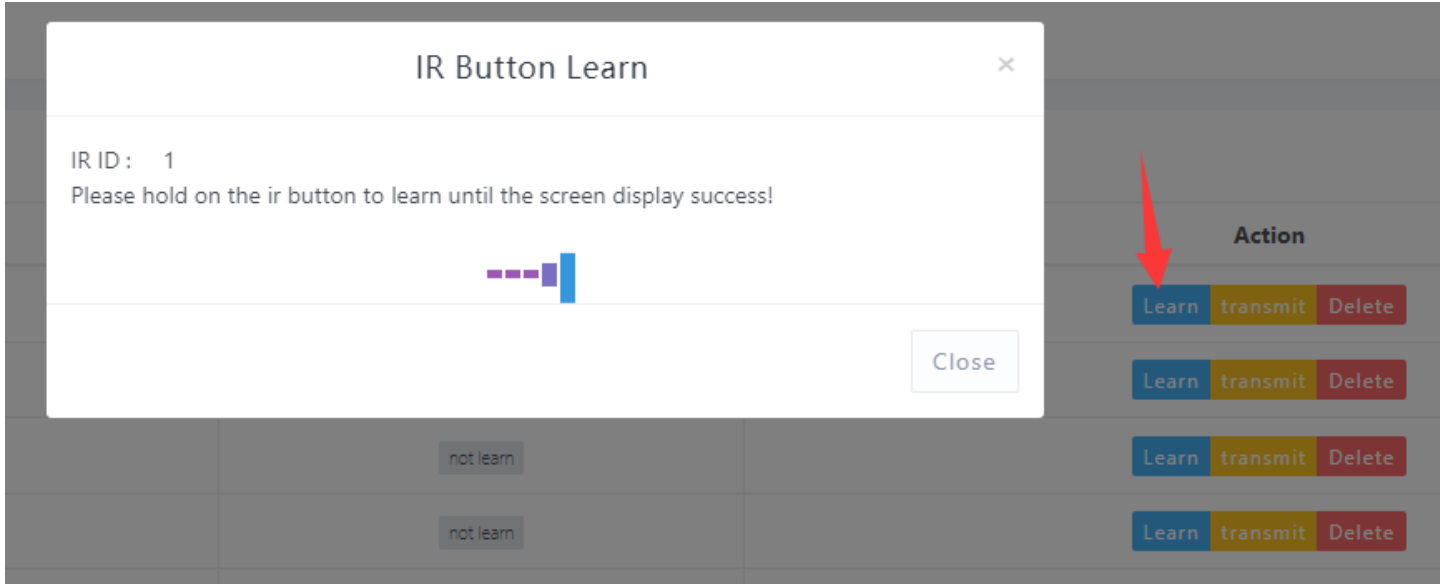
< 1 2 3 4 >

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Save above settings

Here is IR webpage. It support “Learn” , “transmit”, “Delete” IR code. Such as TV, DVD, air conditioner, fans or other IR devices.

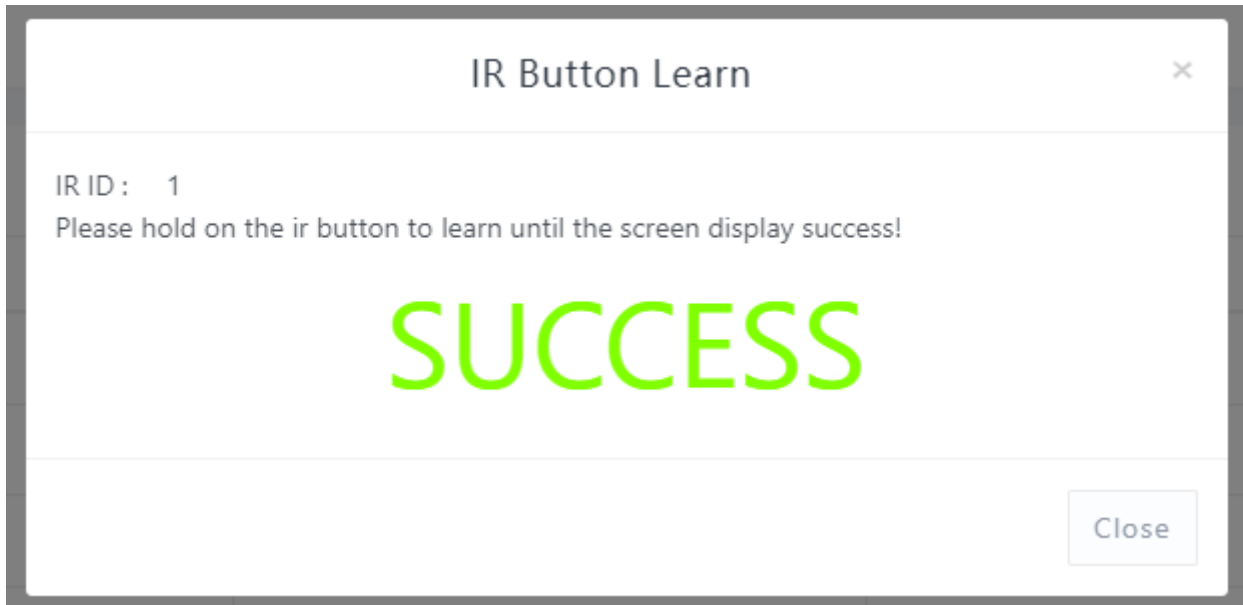
When press “Learn” blue button, begin study mode, wait for you press IR remote’s button, it will show message:



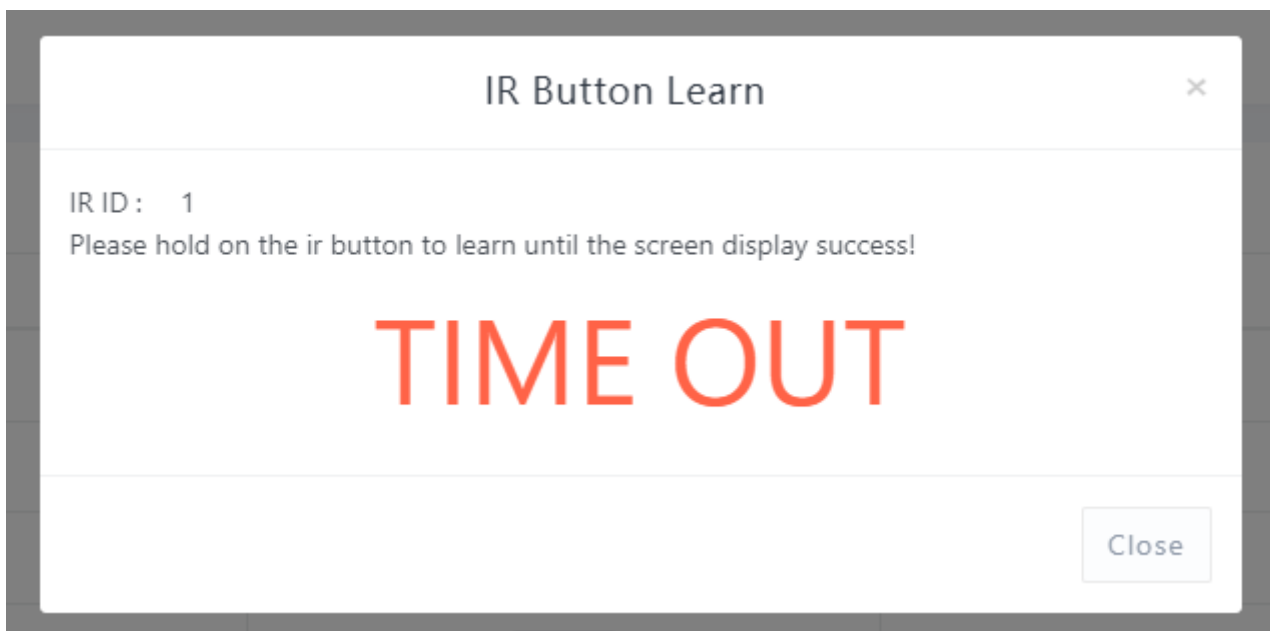
Then press one button of remote:



If learn signal successful, will show:



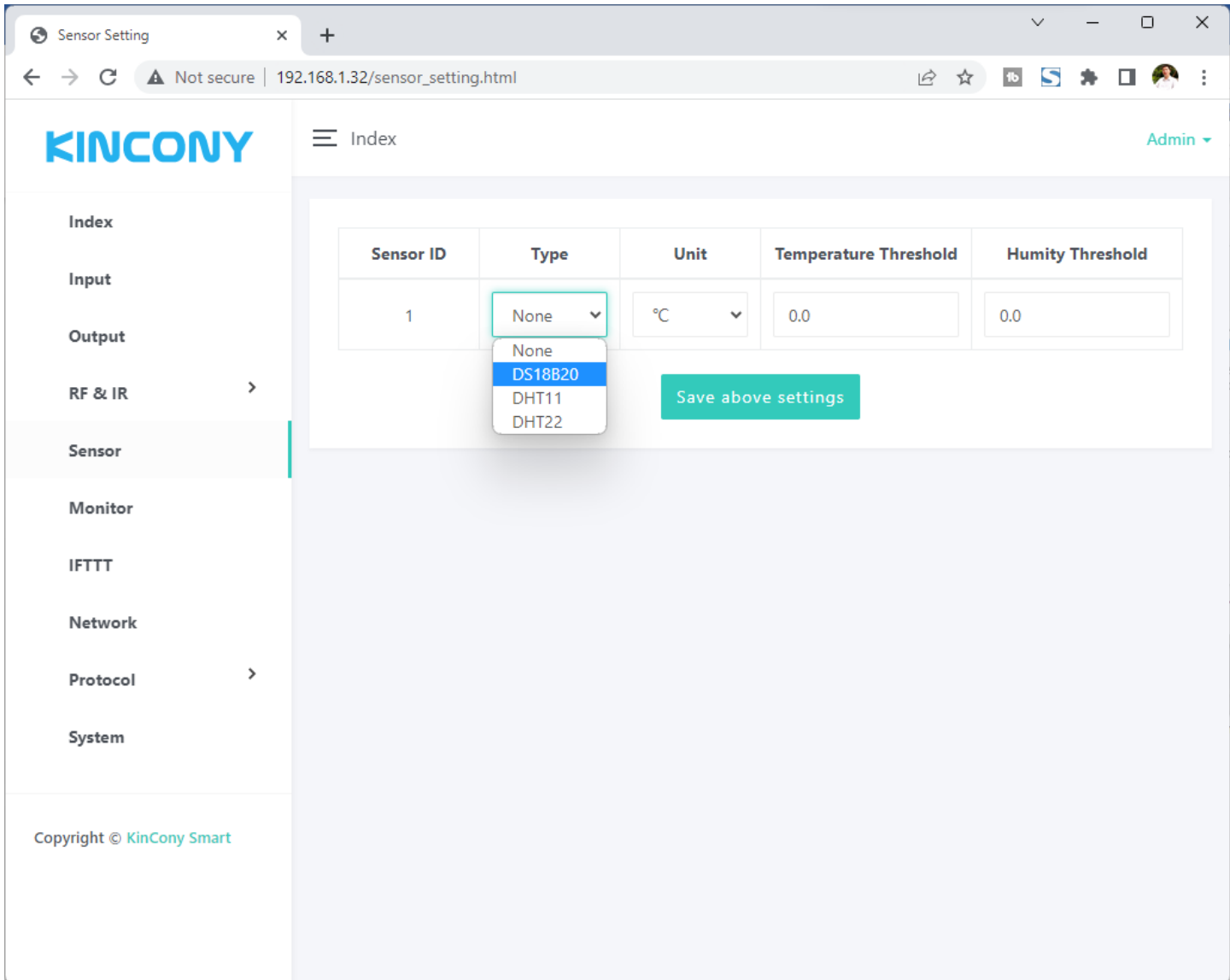
If learn signal failure or time out , will show:



After you learned signal, then it will be saved on controller.

support NEC or RC5 decode

IR ID	State	Action
1	learned	Learn transmit Delete
2	not learn	Learn transmit Delete
3	not learn	Learn transmit Delete
4	not learn	Learn transmit Delete



Here is sensor webpage. You can set different sensor model for 1-wire GPIO ports.

Temperature Threshold:

If the preset difference is exceeded, temperature data will be auto updated.

For example: "Temperature Threshold" =2 now temperature is 28°C, so next time , when new temperature is >30°C(28+2) or <26°C(28-2) will update.

Humidity Threshold:

If the preset difference is exceeded, humidity data will be auto updated.

For example: "Humidity Threshold" =10 now humidity is 75%, so next time , when new humidity is >85%(75+10) or <65%(75-10) will update.

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Status

Auto refresh

Tcp Server: 0 client
Http Server: enable

Tcp Client: disable
Mqtt: connected

Udp Server: disable
Tuya: disable

Udp Client: disable

ADC

channel 1	channel 2	channel 3	channel 4
0	0	0	0

Input

IN1	IN2	IN3	IN4	IN5	IN6	IN7	IN8	IN9	IN10	IN11	IN12	IN13	IN14
IN15	IN16	IN17	IN18	IN19	IN20	IN21	IN22	IN23	IN24	IN25	IN26	IN27	IN28
IN29	IN30	IN31	IN32	IN33	IN34	IN35	IN36	IN37	IN38	IN39	IN40	IN41	IN42
IN43	IN44	IN45	IN46	IN47	IN48	IN49	IN50	IN51	IN52	IN53	IN54	IN55	IN56
IN57	IN58	IN59	IN60	IN61	IN62	IN63	IN64						

Output

ALL ON ALL OFF

OUT1	OUT2	OUT3	OUT4	OUT5	OUT6	OUT7	OUT8	OUT9	OUT10	OUT11	OUT12	OUT13	OUT14
OUT15	OUT16	OUT17	OUT18	OUT19	OUT20	OUT21	OUT22	OUT23	OUT24	OUT25	OUT26	OUT27	OUT28
OUT29	OUT30	OUT31	OUT32	OUT33	OUT34	OUT35	OUT36	OUT37	OUT38	OUT39	OUT40	OUT41	OUT42
OUT43	OUT44	OUT45	OUT46	OUT47	OUT48	OUT49	OUT50	OUT51	OUT52	OUT53	OUT54	OUT55	OUT56
OUT57	OUT58	OUT59	OUT60	OUT61	OUT62	OUT63	OUT64						

Here is monitor webpage.

Status

Auto refresh

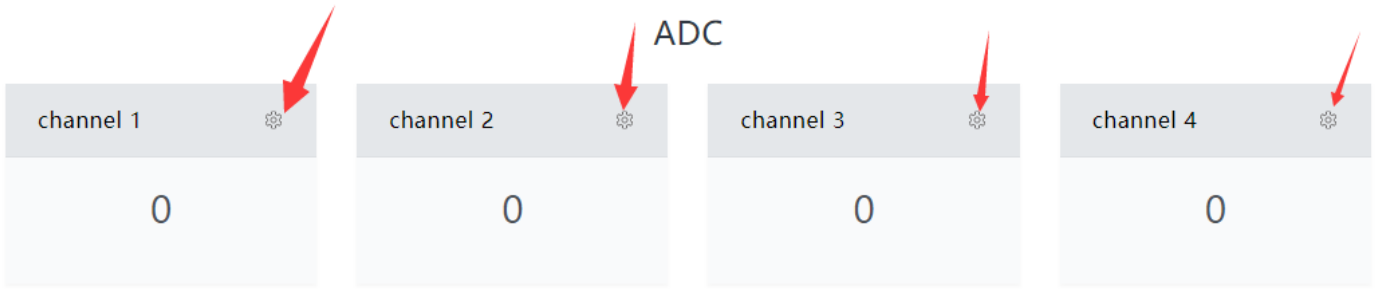
Tcp Server: 0 client
Http Server: enable

Tcp Client: disable
Mqtt: connected

Udp Server: disable
Tuya: disable

Udp Client: disable

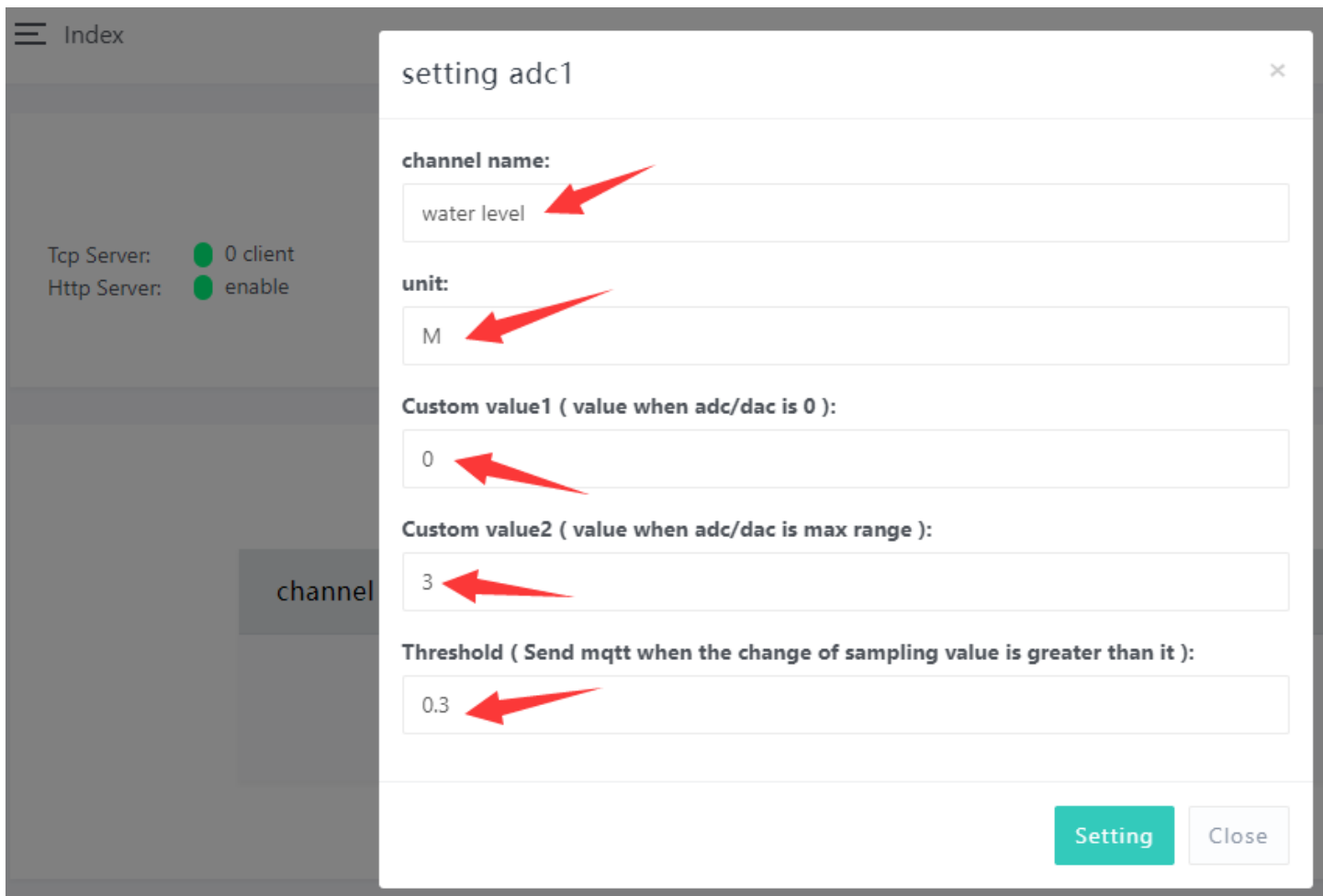
Monitor all protocol work state, whether have connect to server or have a client have connected.



Monitor ADC value.

In order to easily view the values of each sensor, we can set a separate sensor channel name, range, display unit, and automatically reported threshold for each sensor.

Just click “gear” image, will show the config page.

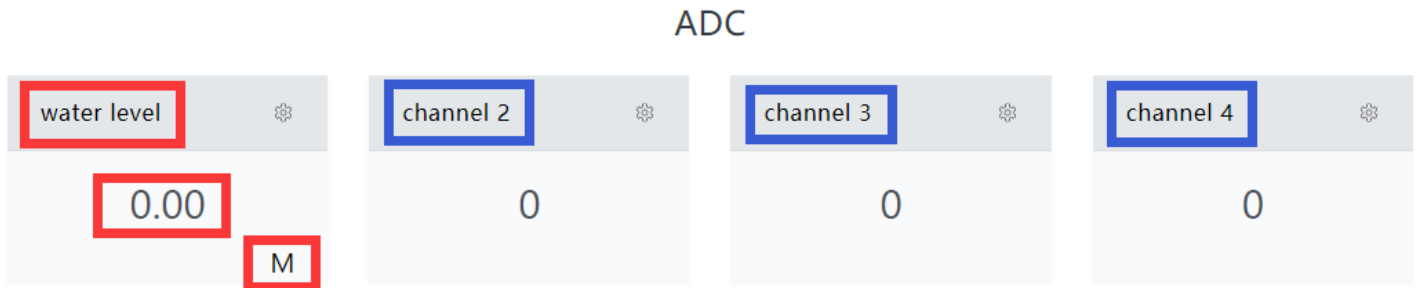


For example, we set a water level analog sensor, name is “water level”, unit is M (meter), Custom value1 and value2 means: if you are using DC 0-5v analog sensor, when sensor voltage is 0v, what’s “Custom value1” corresponding value. when sensor

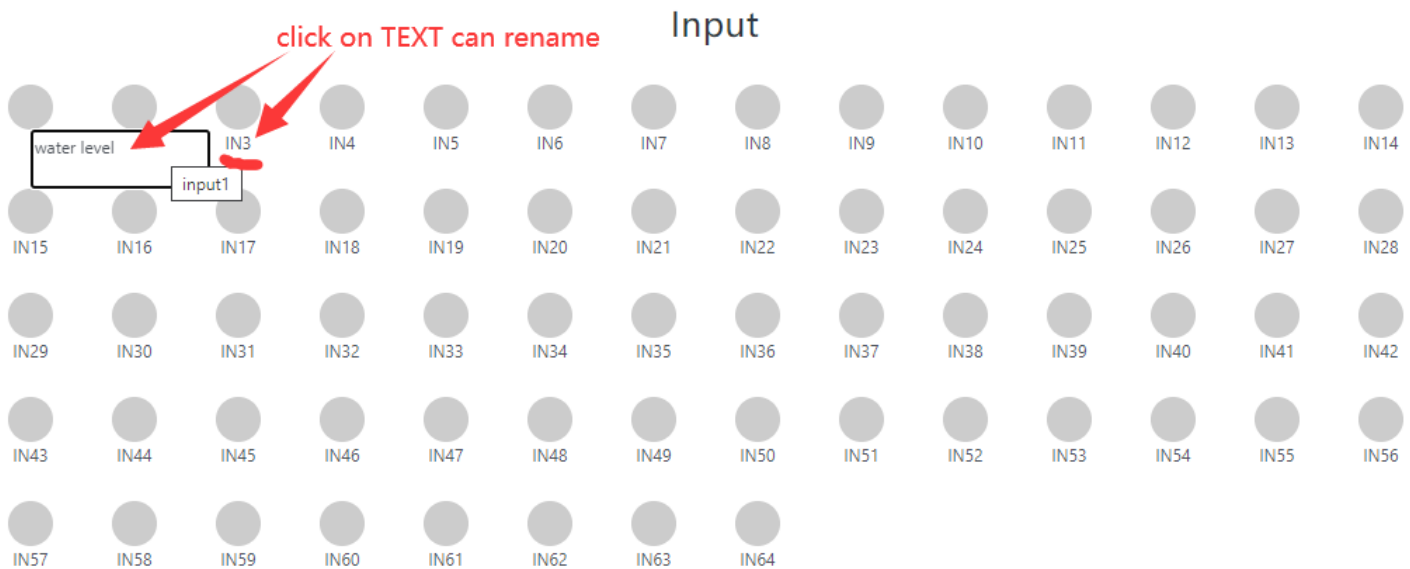
voltage is 5v, what's "Custom value2" corresponding value.

So sensor dc 0-5v -- convert → 0-3 meter

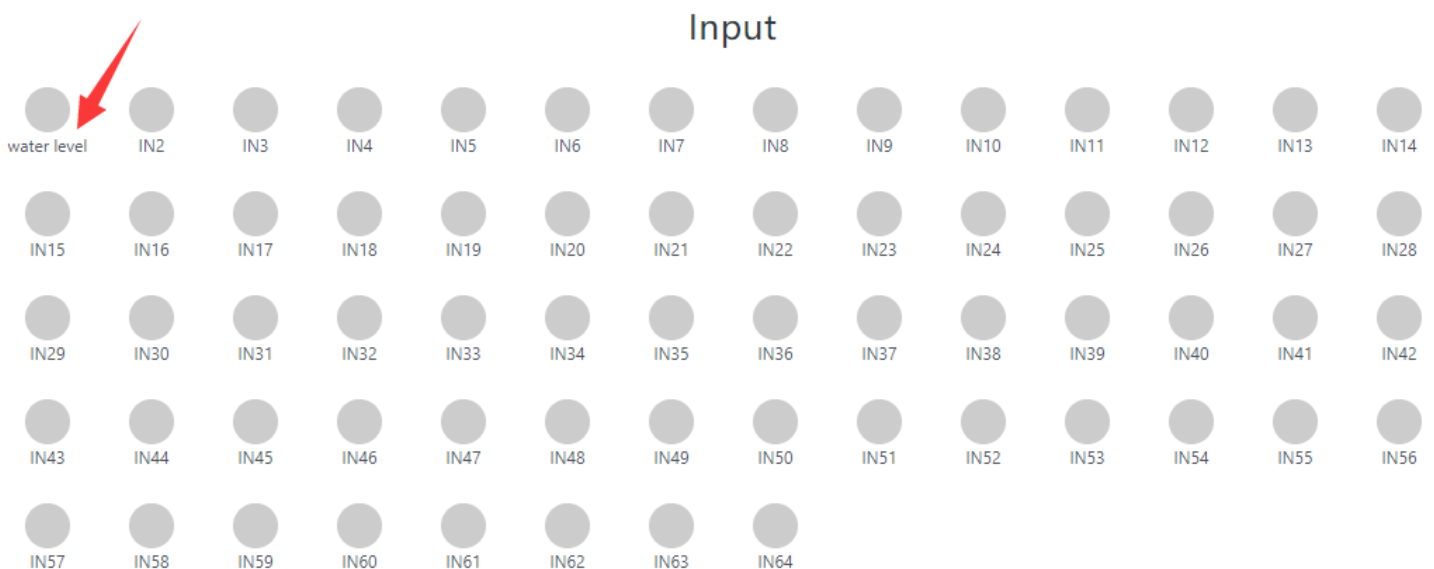
If you are using sensor 4-20mA, so 4-20mA 4mA=Custom value1, 20mA is Custom value2.



Then you will see the actually sensor name , value and unit on the monitor webpage.



Double click on the input name's TEXT can be rename by yourself.



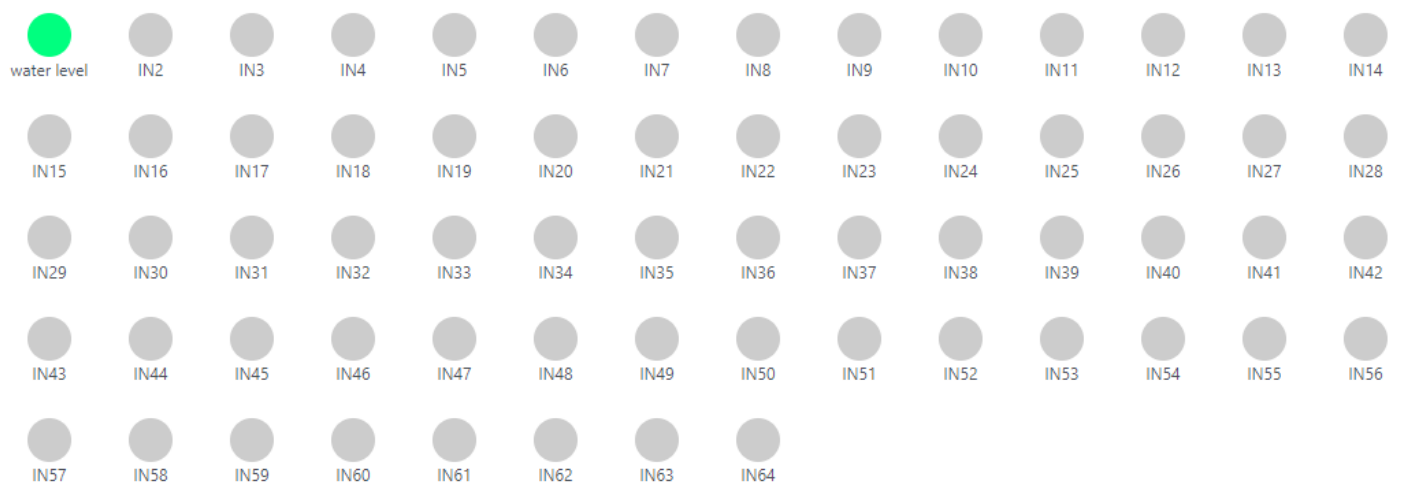
After renamed.

Output

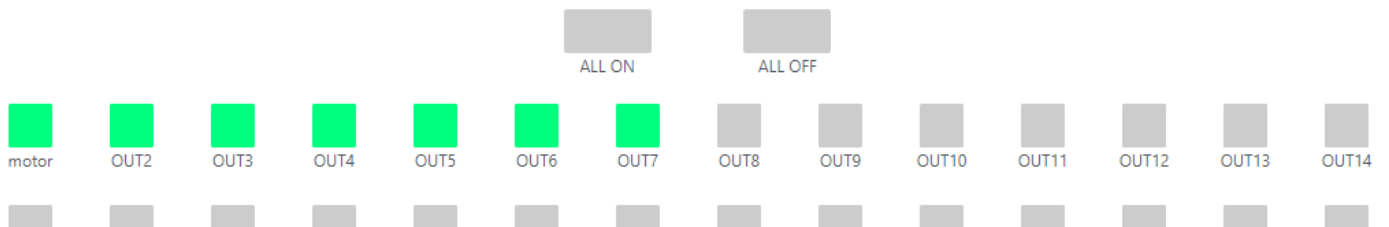


Use the same way (double click TEXT) can rename of the output ports.

Input



Output



Green ico for INPUT means triggered.

Green ico for OUTPUT means output is ON state.

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Enable Disable Delete

search

<input type="checkbox"/>	ID	Name	IF NUM	THEN NUM	Status	Action
<input type="checkbox"/>	1		0	0	disable	Run Edit
<input type="checkbox"/>	2		0	0	disable	Run Edit
<input type="checkbox"/>	3		0	0	disable	Run Edit
<input type="checkbox"/>	4		0	0	disable	Run Edit
<input type="checkbox"/>	5		0	0	disable	Run Edit
<input type="checkbox"/>	6		0	0	disable	Run Edit
<input type="checkbox"/>	7		0	0	disable	Run Edit
<input type="checkbox"/>	8		0	0	disable	Run Edit
<input type="checkbox"/>	9		0	0	disable	Run Edit
<input type="checkbox"/>	10		0	0	disable	Run Edit

Showing 1 to 10 of 128 rows 10 rows per page < 1 2 3 4 5 ... 13 >

Here is IFTTT webpage. It can create IFTTT AUTOMATION. Press "Run" blue button for running testing. Press "Edit" yellow button for modify.

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id

name

enable

logical "AND" when enabled, all IF conditions must be met simultaneously

IF

DI AI RF  



THEN

DO AO RF IR  



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logical "AND"

when enabled, all IF conditions must be met simultaneously

IF

DI AI RF   



THEN

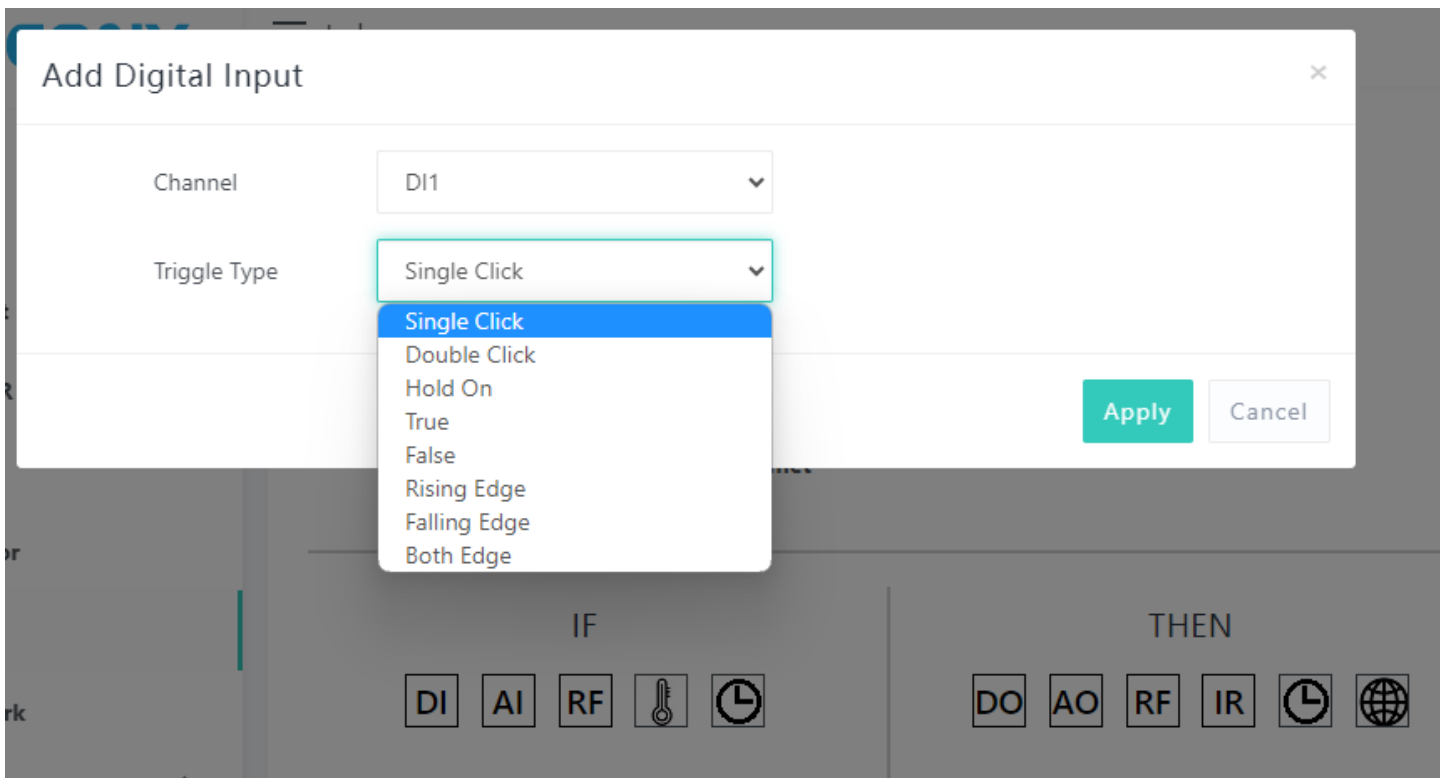
DO RF    



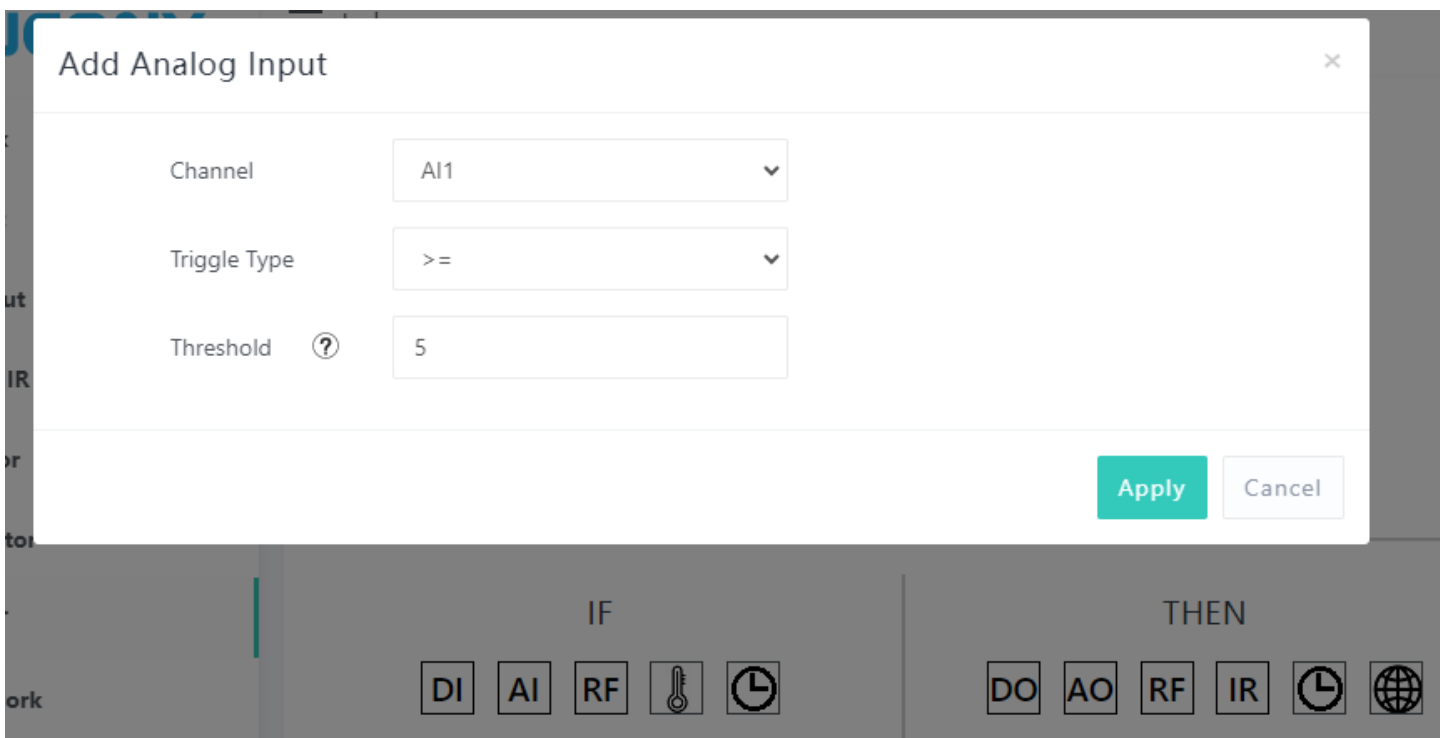
4G GSM module

If your board support 4G SIM7600 module, there will have "SMS" and "voice call" ICO.

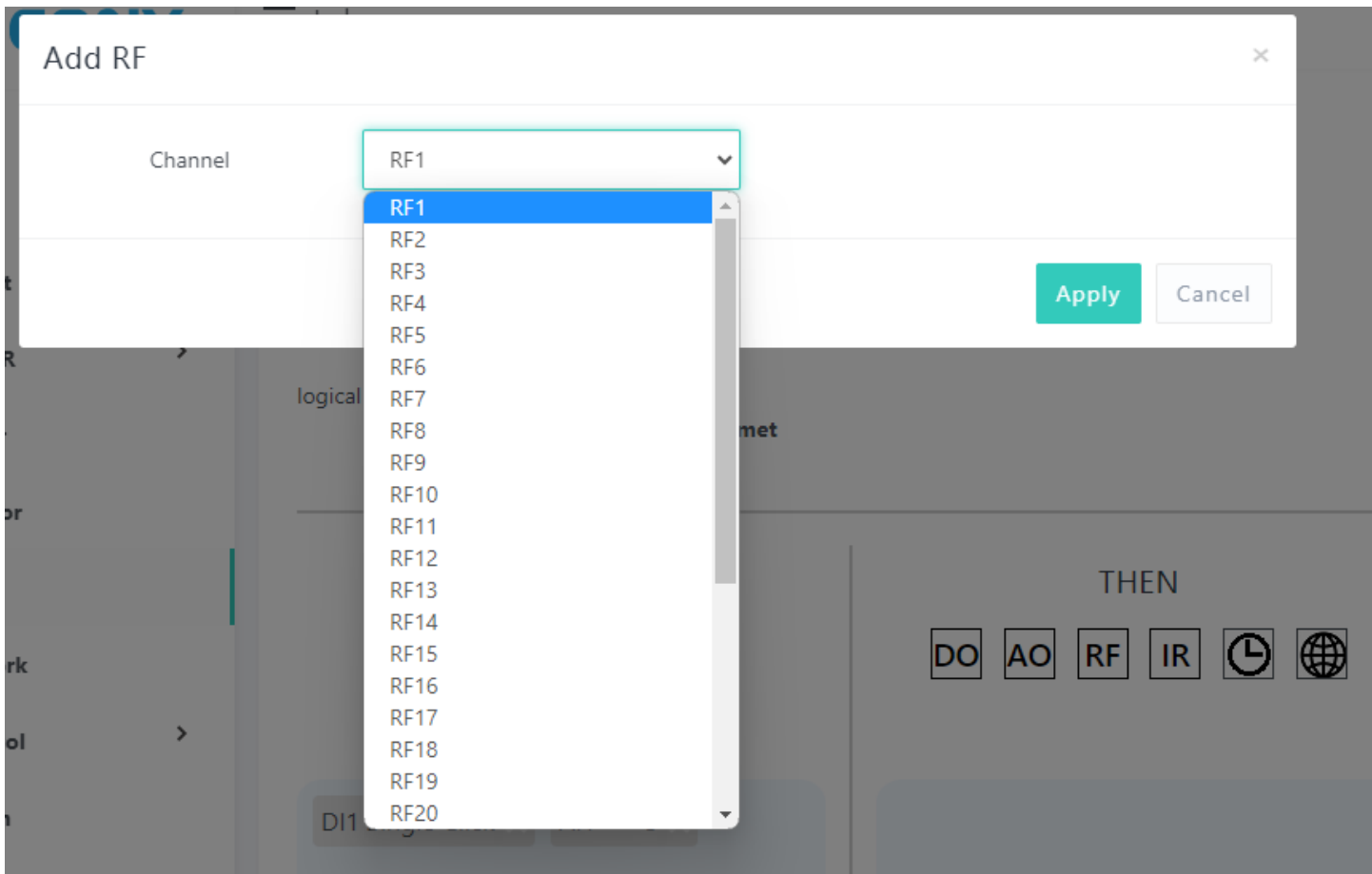
You can rename the AUTOMATION name. "enable" or "disable" it.



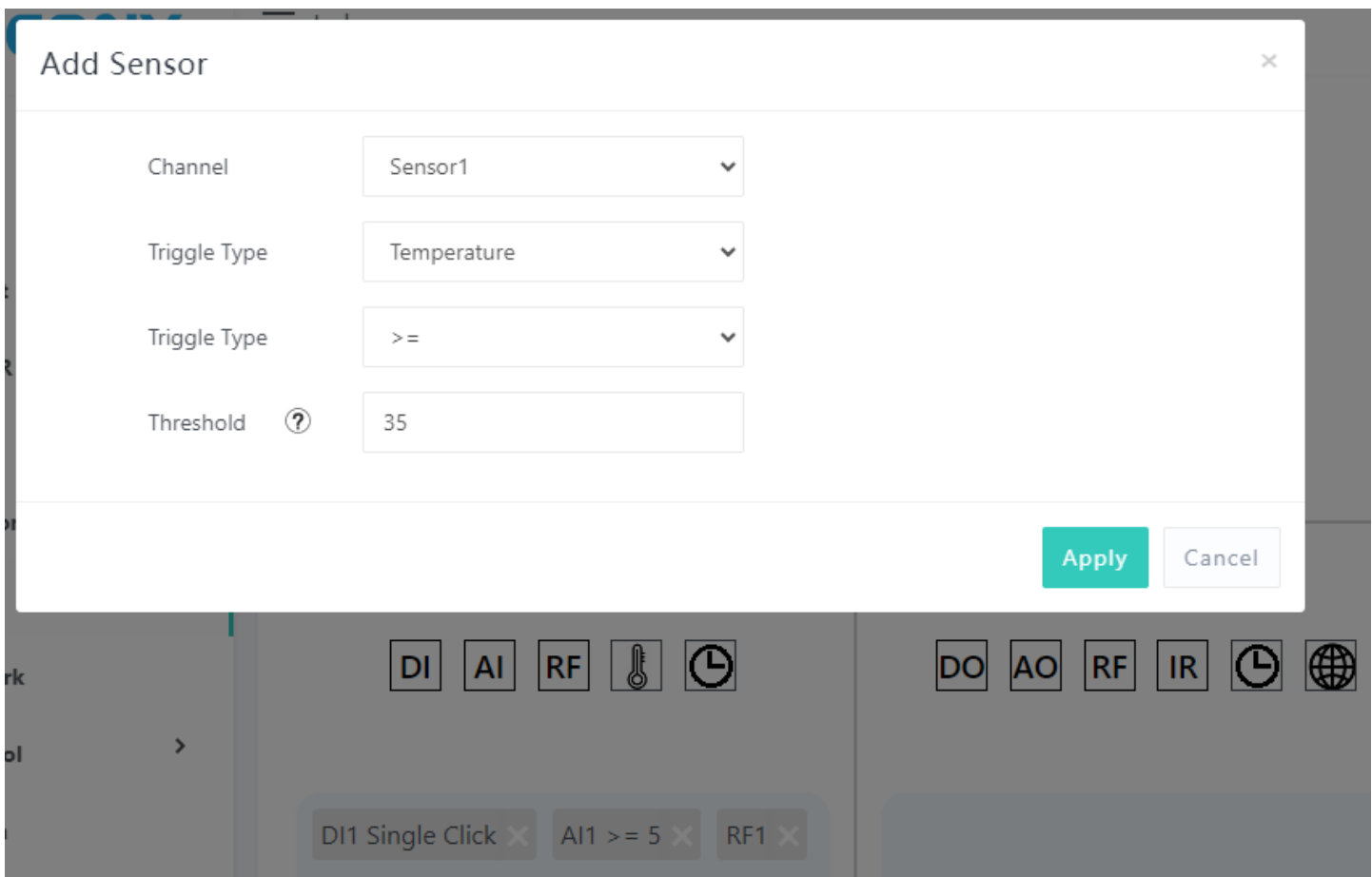
DI options:



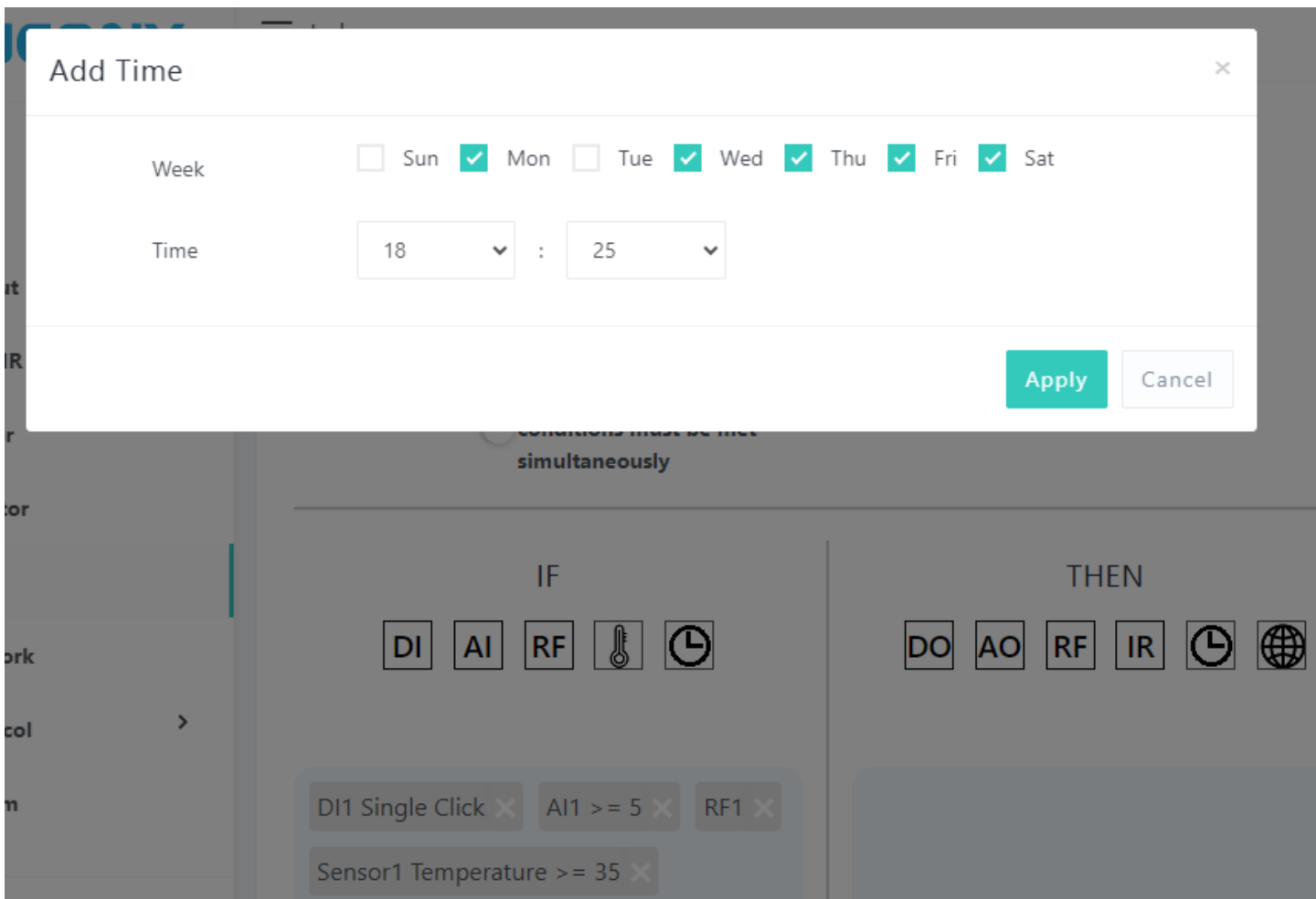
AI options:



RF options:

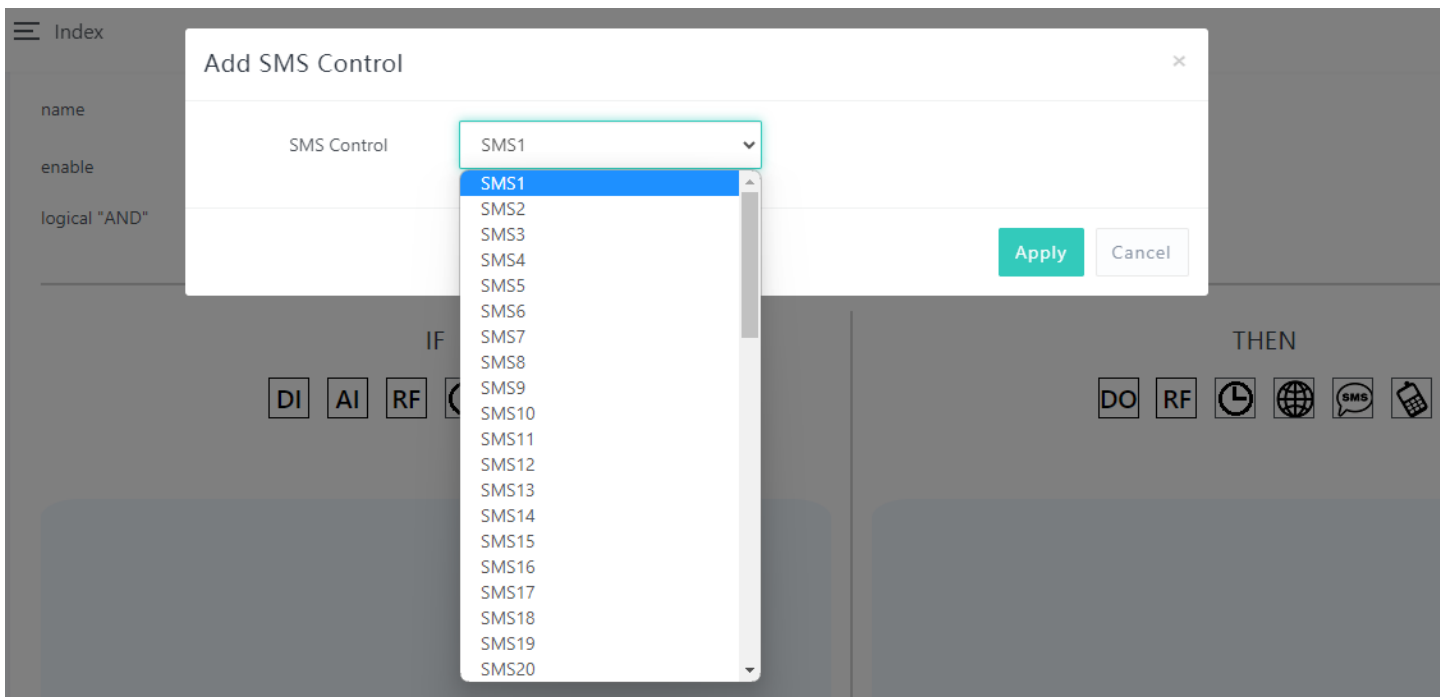


Sensor options:

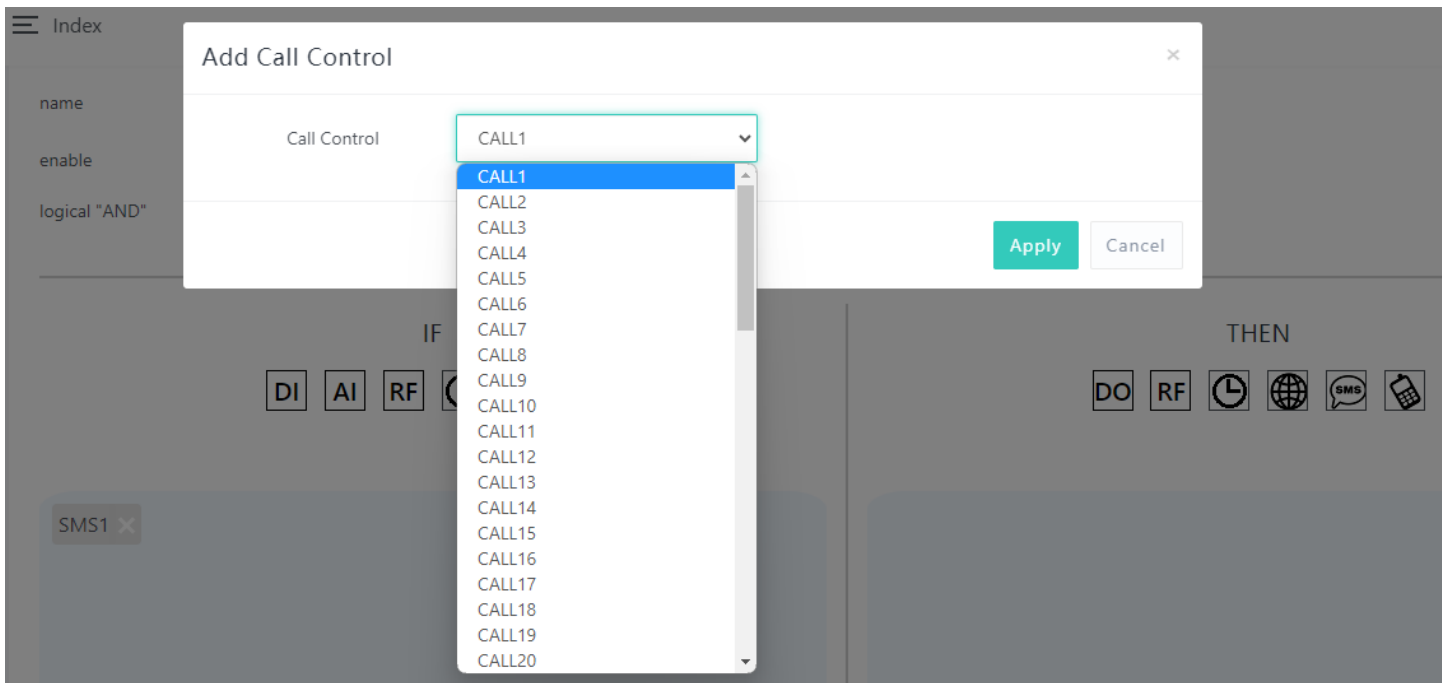


Timer options:

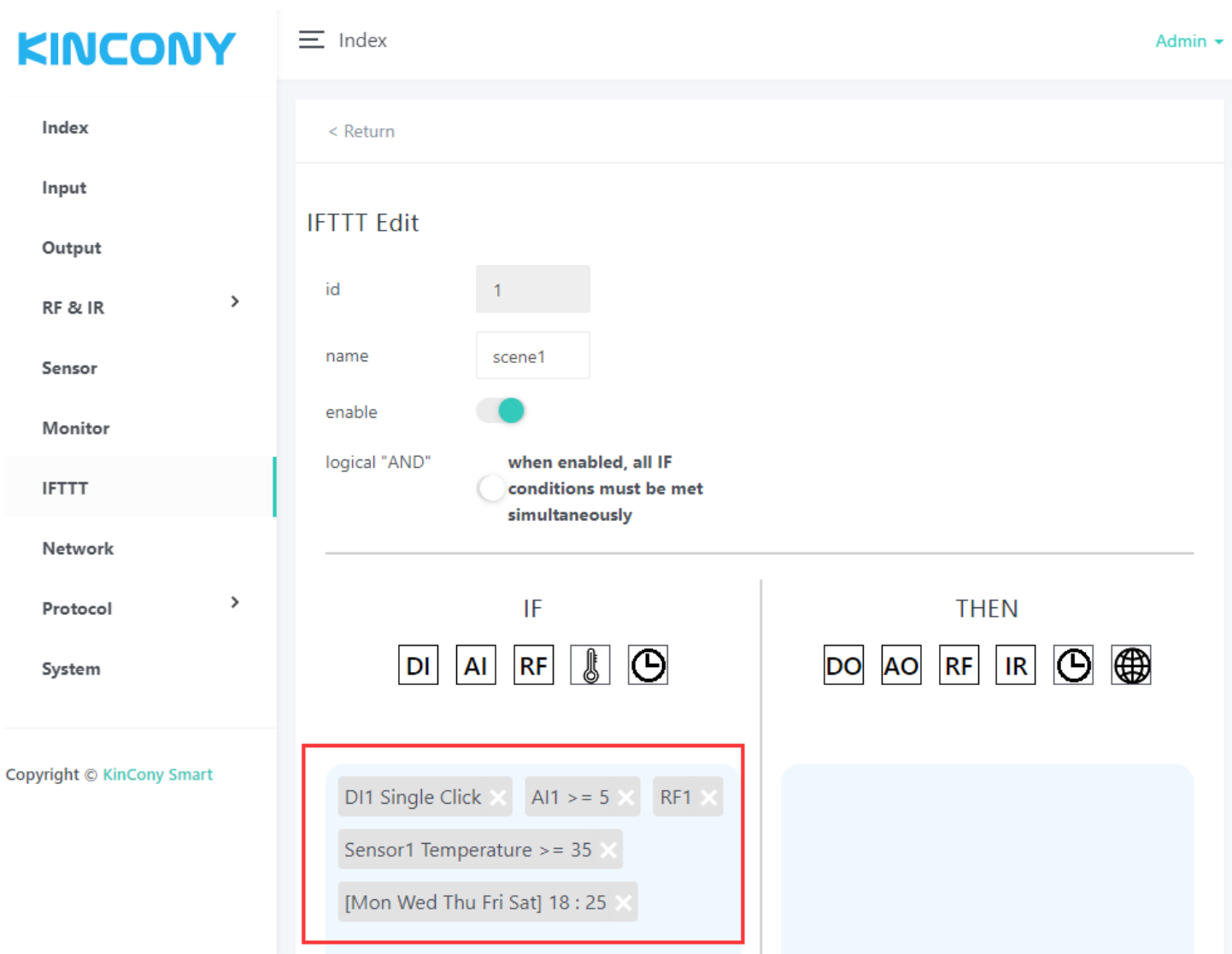
If your board support 4G SIM7600 module, there will have "SMS" and "voice call" options:



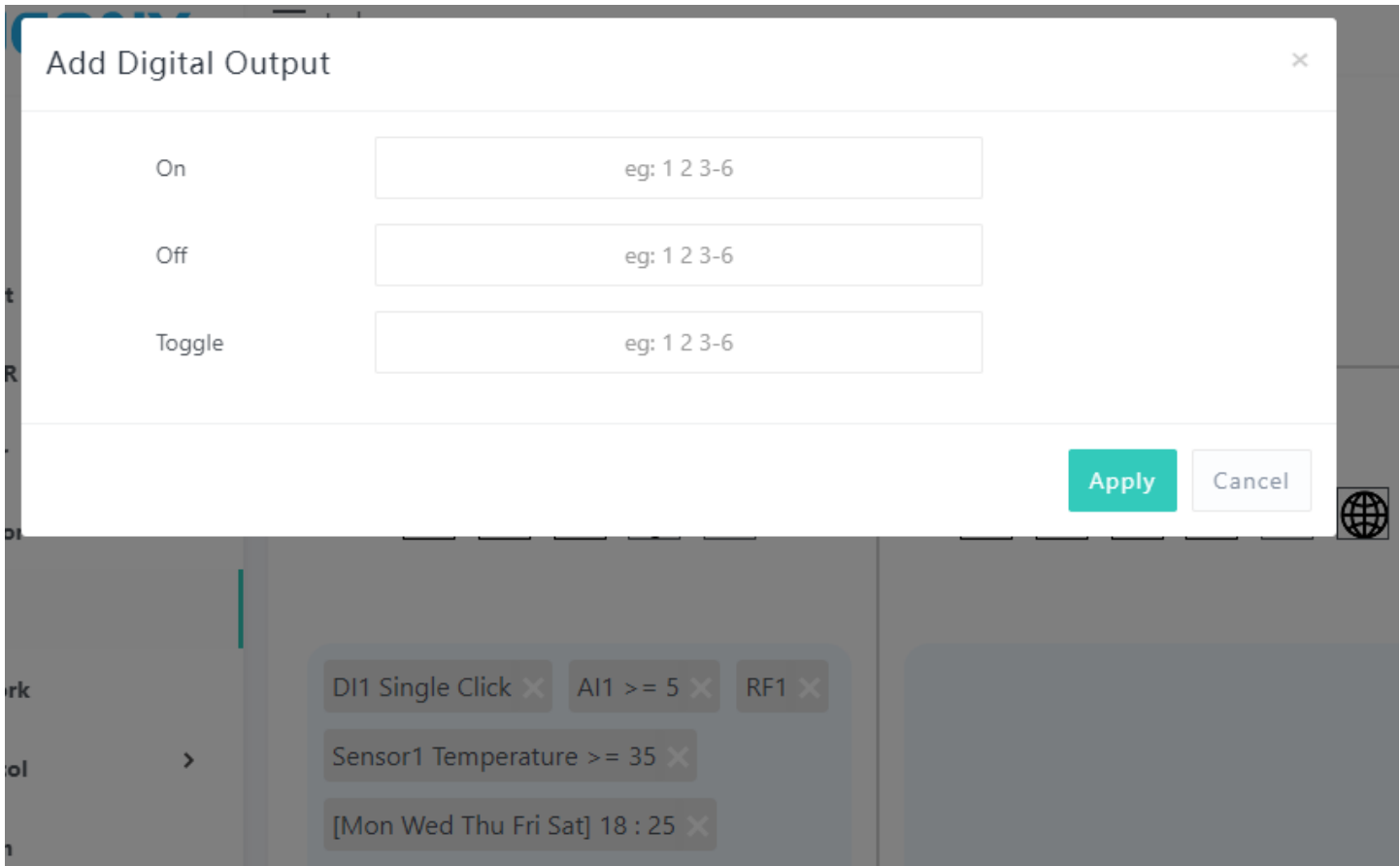
SMS options:



Voice call options:

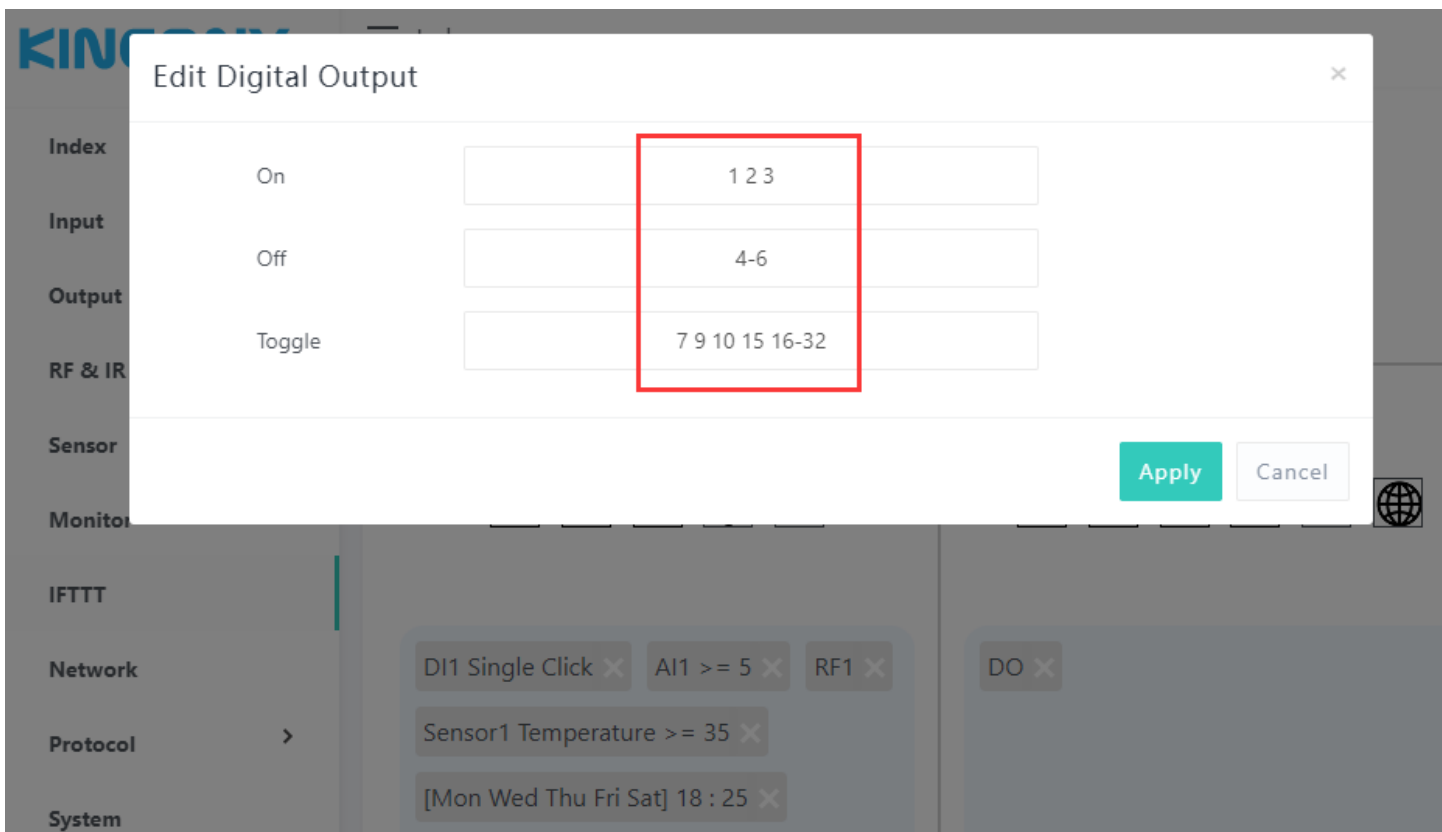


If enable [logical “AND”] option, All IF conditions need to be met before the action can be executed. If “disable” just All IF conditions is “OR” logical.



DO options:

you can set and separated by a "space". You can enter "1 2 3 4 5" or "1-5" in the corresponding option to do something of digital output No.1-5



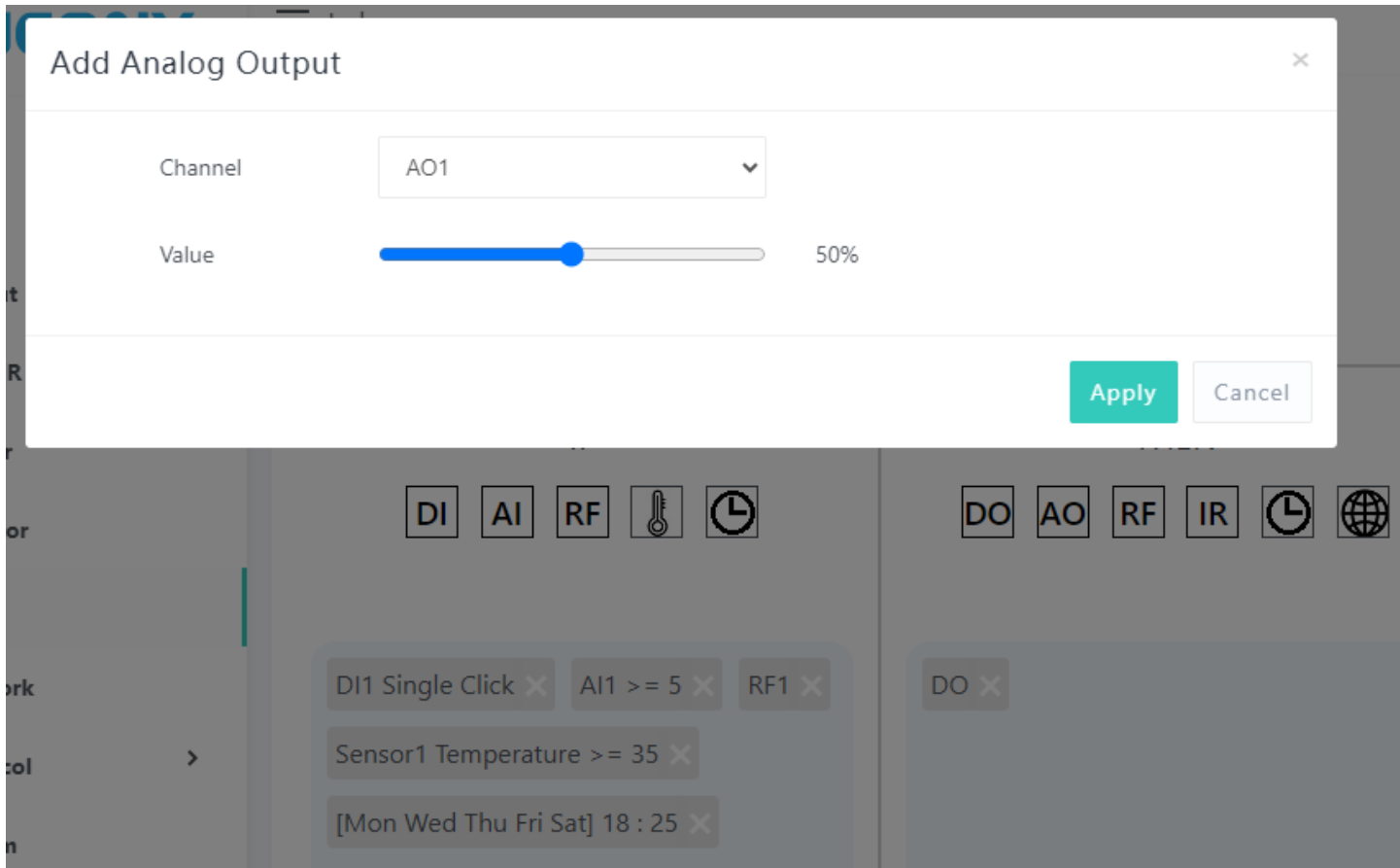
Fox example:

The config photo that means:

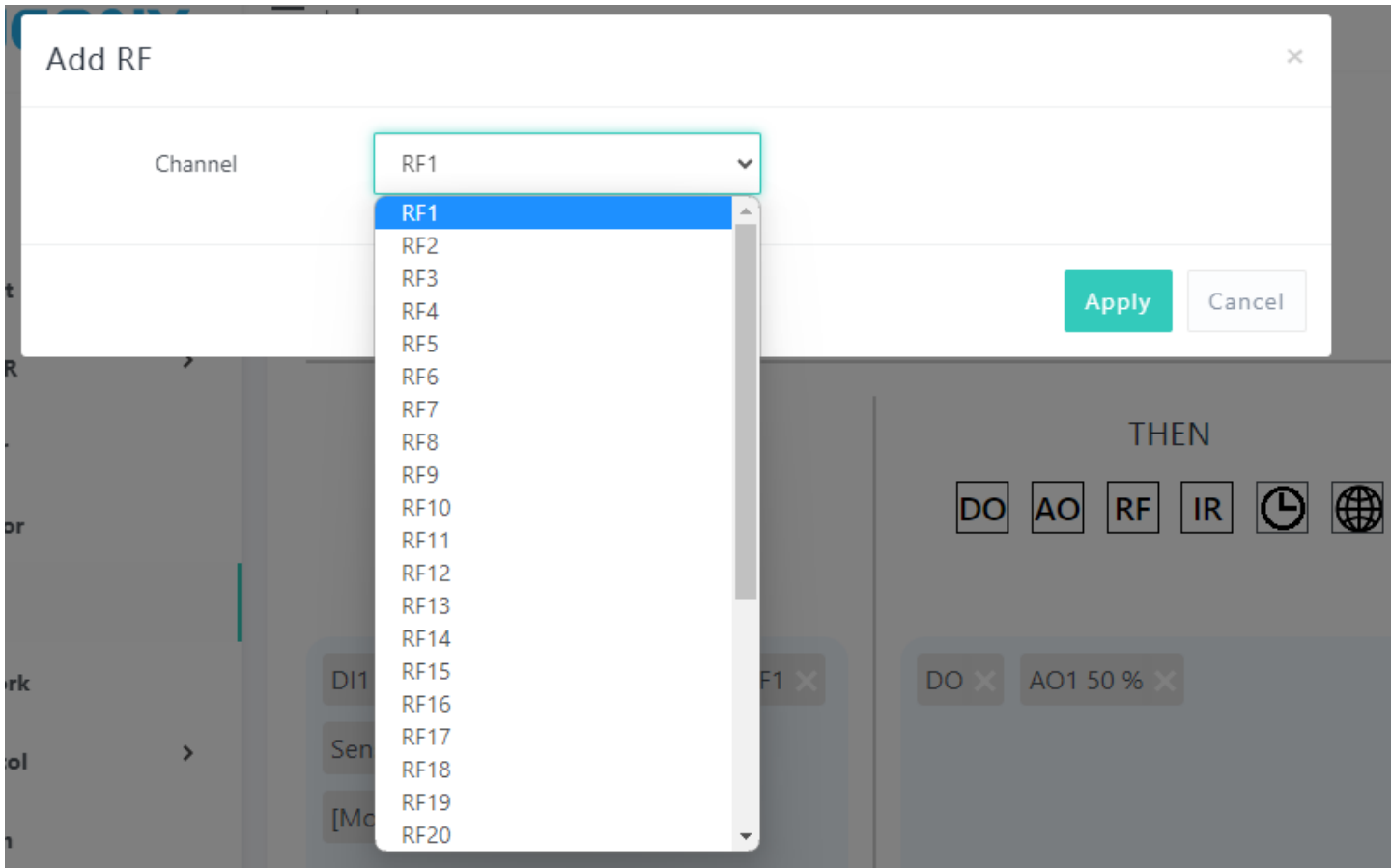
Turn ON digital output 1,2,3,

Turn OFF digital output 4,5,6

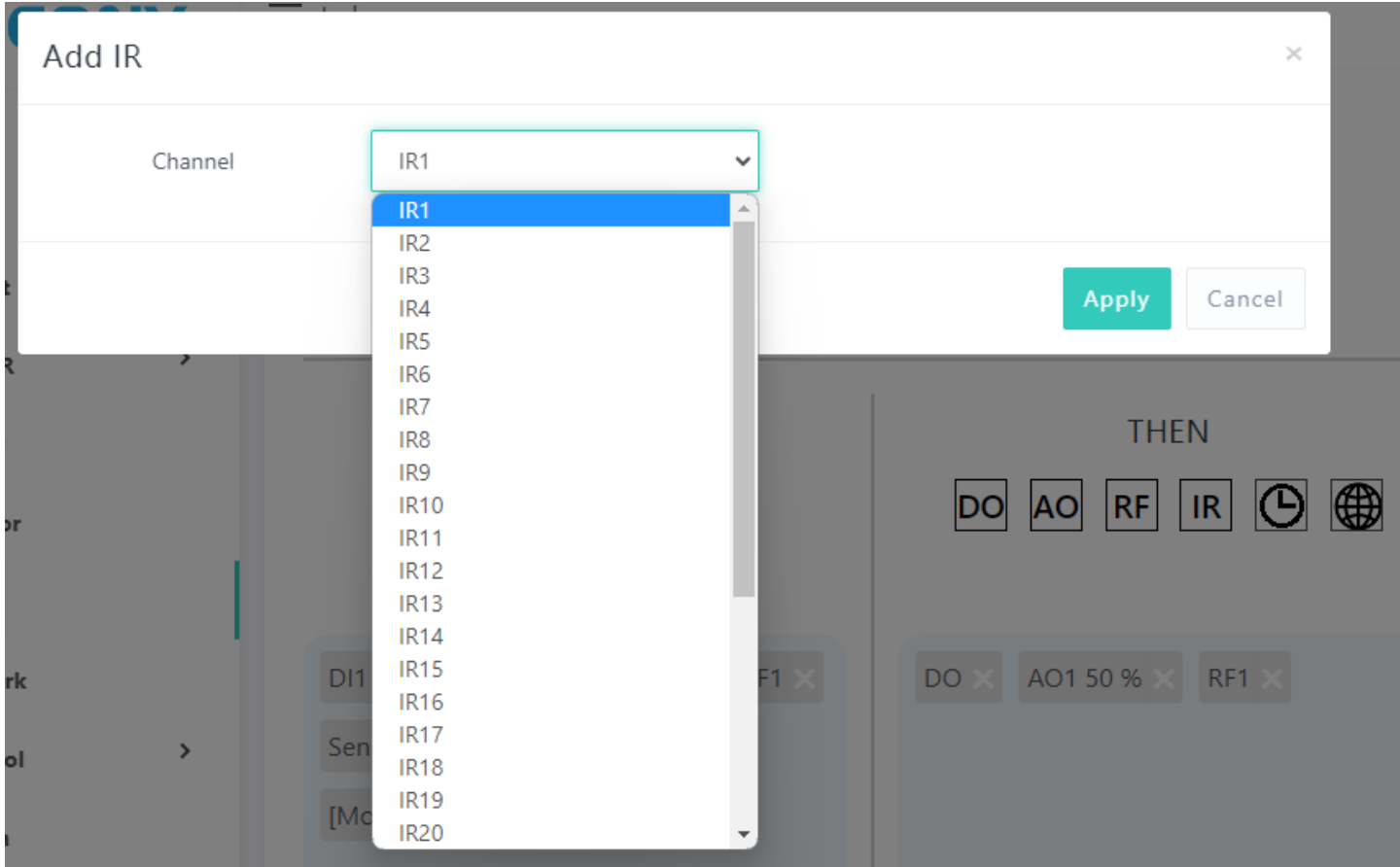
Toggle digital output 7,9,10,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32



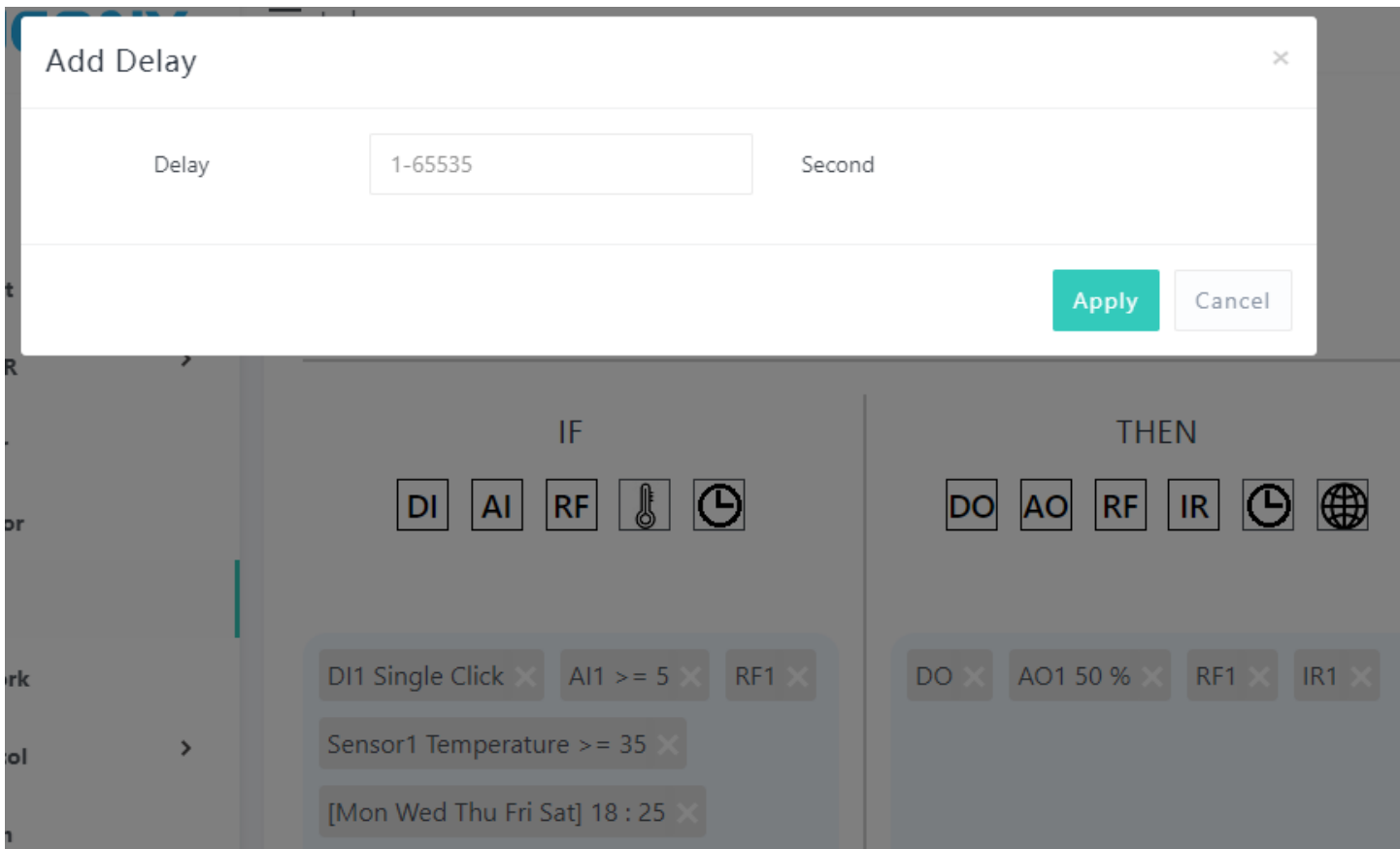
AO options:



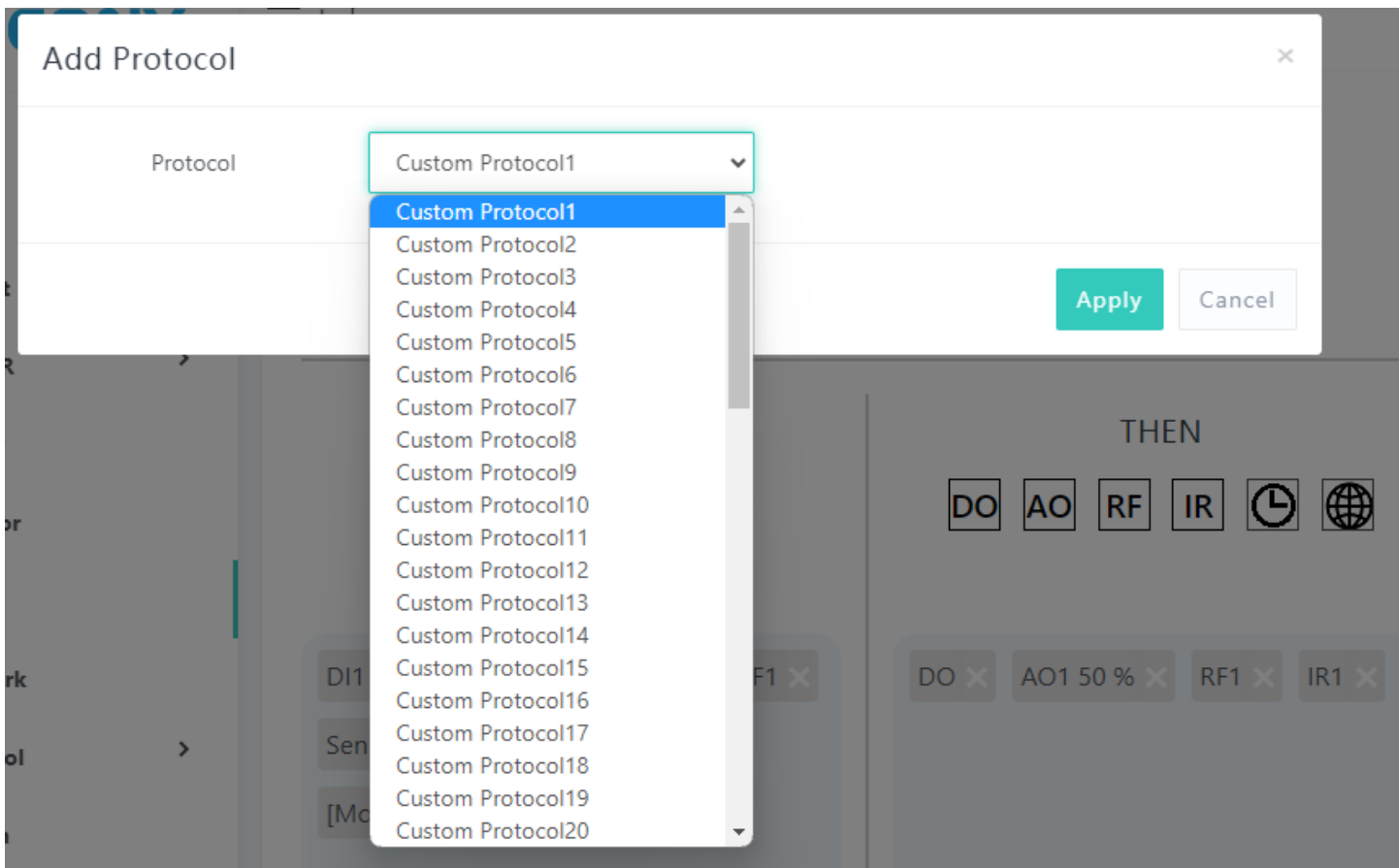
RF options:



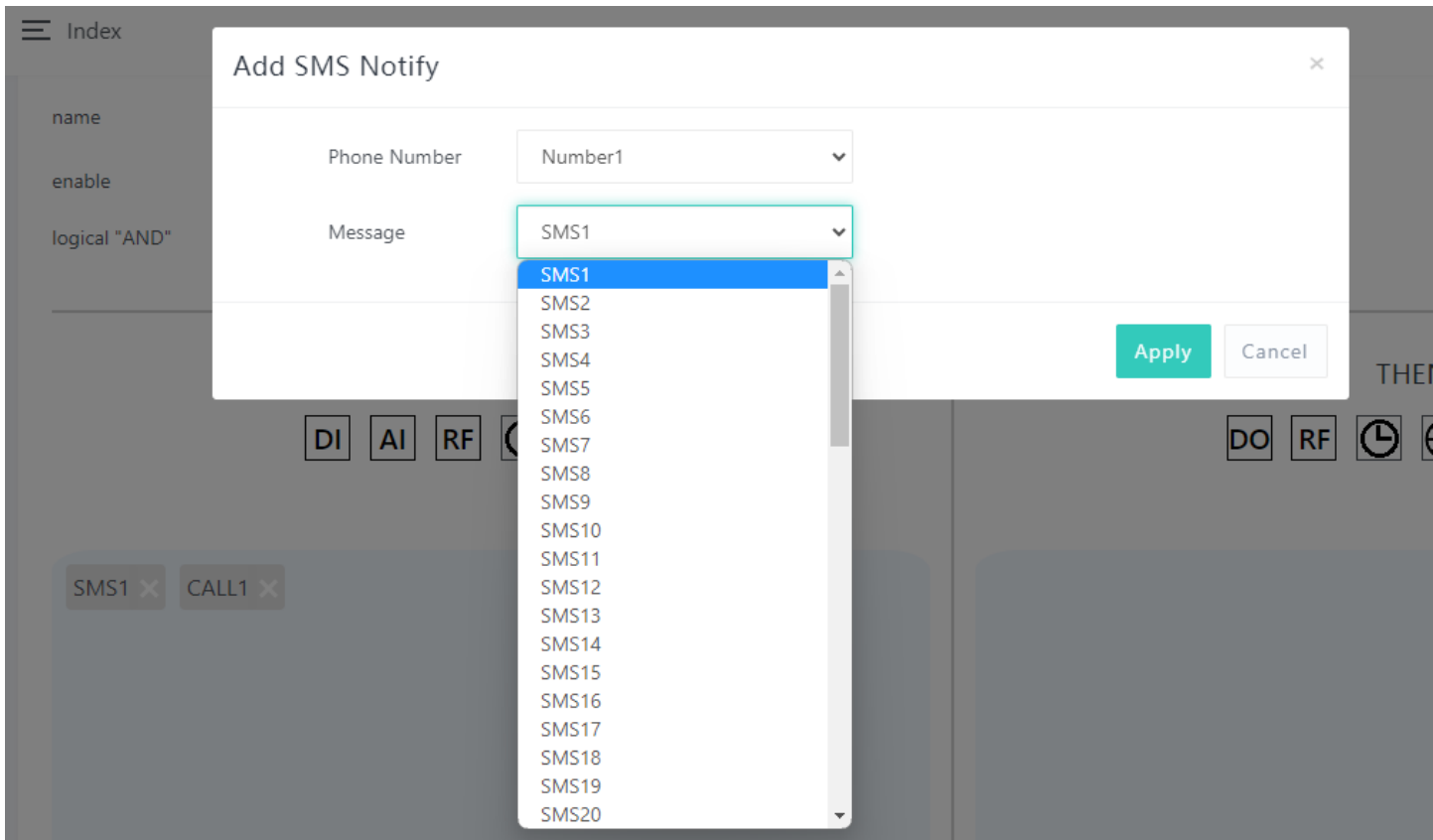
IR options:



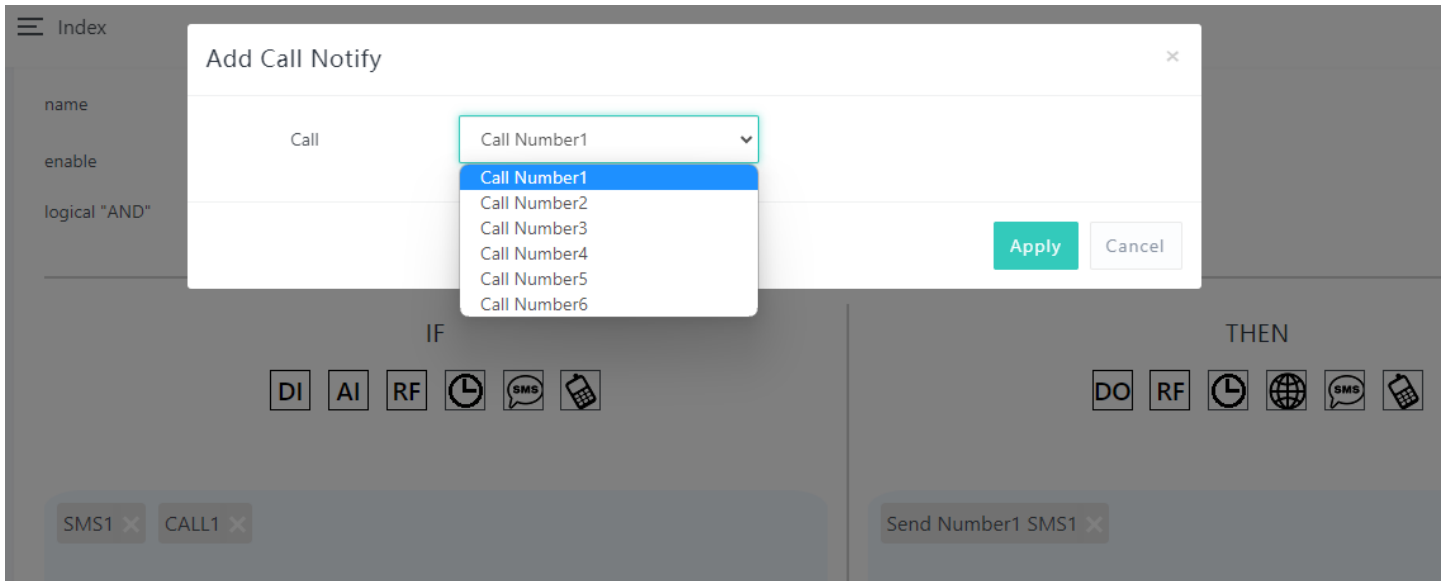
Delay options:



Custom protocol options:



SMS options:





Voice call options:

name



enable

logical "AND" when enabled, all IF conditions must be met simultaneously

IF

DI AI RF  

THEN

DO AO RF IR  

After create completed, you can see all IF and THEN ICO, you can "Save" the AUTOMATION - "scene1" or click small ICO for modify again.

Network

Not secure | 192.168.1.200/network_setting.html

KINCONY

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LAN

mode: static (dropdown menu open, options: static, dhcp)

ip: [input field]

netmask: 255.255.255.0

gateway: 192.168.1.1

dns1: 8.8.8.8

dns2: 8.8.4.4

WIFI

enable:

mode: STA (dropdown menu)

wifi ssid: KinCony

wifi password: 12345678

Save

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Network setting for ethernet and WiFi.

You if set WiFi by AP mode. device such as mobile phone or tablet can connect to board by wifi directly without wifi router.

WIFI

enable



mode

STA



wifi ssid

AP

STA

wifi password

12345678

Save

If you set WiFi to STA mode, also you have connect to router by ethernet cable. Board will use ethernet firstly, if ethernet cable disconnected, then will auto switch to WiFi connect to your wifi router, so that make sure let board always connect to your router.

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wifi password

GPRS

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model

SIM7600

admin number (must start with +international code)

+8615381100002

Phone Test

+8613100000000

eg:+12223334444

eg:+12223334444

eg:+12223334444

eg:+12223334444

Save

Here is Network - GPRS webpage.

You can enable/disable your GSM module. If disabled, SMS, voice call, GPRS will not work. MAX support fill 6 Administrator Phone Numbers. Only these 6 mobile phone number can use SMS and voice call function. Tuya app with GPRS no mobile phone number limit.

Phone Test



Phone Num:

+8615381188302



Send a message

Make a call

Close

You can select your phone number, then click “Send a message” or “Make a call” for a test.

BASIC

SMS-CONTROL

SMS-NOTIFY

CALL-CONTROL

SMS ID	MESSAGE
1	turn on light
2	turn off light
3	打开灯
4	关闭灯
5	Включи свет
6	Accendi la luce
7	불을 켜다
8	明かりをつける
9	input some string

You can define your SMS content use for IF condition. SMS can define by your local language, not only English.

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BASIC SMS-CONTROL SMS-NOTIFY CALL-CONTROL

Custom message

Rules:

1. You can enter any string you want in any language.
2. Max length is 128.

SMS ID	MESSAGE
1	door is opened
2	门已打开
3	Дверь открыта
4	문이 열렸습니다
5	Porta aperta
6	ドアが開いた

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You can define your SMS content use for THEN actions, such as alarm notification. SMS can define by your local language, not only English.

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CALL ID	STRING (must end with '#')
1	10#
2	11#
3	101#
4	102#
5	1#
6	0#
7	eg:1234#
8	eg:1234#
9	eg:1234#
10	eg:1234#

You can define voice call control (DTMF code) for IF condition.

For example: when you voice call your board, when it connected, press key 10# for turn ON relay-1 or press 11# for turn OFF relay-2. Just define a number end with “#”.

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MQTT

enable

broker address [?] broker port

broker username broker password

HTTP Server

enable

protocol request secret

TCP Server

enable

protocol local port

TCP Client

enable

protocol

remote address remote port

UDP Server

enable

protocol local port

UDP Client

enable

protocol

remote address remote port

RS232

enable

protocol

baud data bit

stop bit parity

Save

RS485

enable



protocol

MODBUS-RTU ▼

local addr

1

baud

115200

data bit

8bit ▼

stop bit

1bit ▼

parity

none ▼

Here is protocol setting webpage. You can enable/disable different protocol in webpage. About these protocol document you can download from KinCony's webpage.

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Tuya Setting

enable



region

Central Europe v

product id

China
Western US
Eastern US

device id

Central Europe
Western Europe
India

device secret

device secret

bind code

bind code

Save

If you want to use Tuya mobile phone application by remote monitor and control output by internet. You can contact us order the Tuya licence code. If you bought Tuya licence from KinCony, you just fill product id, device id, device secret, bind code to this webpage, then it will auto generate QR code, you can scan QR code add board to Tuya mobile phone application.

If your board have 4G SIM7600 module, you can use Tuya app by GPRS. Just enable it for Tuya.

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Tuya Setting

enable

connect by gprs (for board have gprs)

region ▾

product id

device id

device secret

bind code

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Protocol ID	Router	Message	Uri(optional)
1	HTTP GET <input type="checkbox"/> HEX	input some string	eg: http://192.168.1.100:1234/data
2	Select some options <input type="checkbox"/> HEX	input some string	eg: http://192.168.1.100:1234/data
3	<input type="checkbox"/> TCP Client	input some string	eg: http://192.168.1.100:1234/data
4	<input type="checkbox"/> UDP Client	input some string	eg: http://192.168.1.100:1234/data
5	<input type="checkbox"/> RS232	input some string	eg: http://192.168.1.100:1234/data
6	<input checked="" type="checkbox"/> HTTP GET	input some string	eg: http://192.168.1.100:1234/data
7	<input type="checkbox"/> HTTP POST	input some string	eg: http://192.168.1.100:1234/data
8	Select some options <input type="checkbox"/> HEX	input some string	eg: http://192.168.1.100:1234/data
9	Select some options <input type="checkbox"/> HEX	input some string	eg: http://192.168.1.100:1234/data
10	Select some options <input type="checkbox"/> HEX	input some string	eg: http://192.168.1.100:1234/data

Showing 1 to 10 of 64 rows rows per page

[Save above settings](#)

Here is custom protocols webpage.

You can create message for TCP Client, UDP Client, RS232, RS485, HTTP GET, HTTP POST different ways.

If "HEX" options is not checked, will send message by ANSI String.

For example:

If you want send a TCP string command to another relay module to turn ON relay1:

Protocol ID	Router	Message	Uri(optional)
1	TCP Client <input type="checkbox"/> HEX	RELAY-SET-255,1,1	eg: http://192.168.1.100:1234/data
2	Select some options <input type="checkbox"/> HEX	input some string	eg: http://192.168.1.100:1234/data
3	Select some options <input type="checkbox"/> HEX	input some string	eg: http://192.168.1.100:1234/data
4	Select some options <input type="checkbox"/> HEX	input some string	eg: http://192.168.1.100:1234/data

The screenshot shows the KinCony configuration page. On the left sidebar, the 'General' tab is selected. The main content area shows several protocol settings:

- enable**:
- protocol**: URL (dropdown), **request secret**:
- TCP Server**
 - enable**:
 - protocol**: String (dropdown), **local port**:
- TCP Client**
 - enable**: (highlighted with a red arrow)
 - protocol**: String (dropdown)
 - remote address**: 192.168.1.215
 - remote port**: 4196 (highlighted with a red box)
- UDP Server**
 - enable**:
 - protocol**: String (dropdown), **local port**:
- UDP Client**
 - enable**:
 - protocol**: String (dropdown)

Make sure have enabled TCP Client protocol, remote address: 192.168.1.215 port: 4196 is another relay board.

So the string “RELAY-SET-255,1,1” will send to IP:192.168.1.215 port: 4196 device by TCP.

For example:

Protocol ID	Router	HEX	Message	Url(optional)
1	HTTP GET	<input type="checkbox"/>	input some string	http://192.168.1.200/sw_ctl.cgi?Relay01=ON&postpwd=abcc
2	Select some options	<input type="checkbox"/>	input some string	eg: http://192.168.1.100:1234/data
3	Select some options	<input type="checkbox"/>	input some string	eg: http://192.168.1.100:1234/data
4	Select some options	<input type="checkbox"/>	input some string	eg: http://192.168.1.100:1234/data

This means:

send HTTP command string

“http://192.168.1.200/sw_ctl.cgi?Relay01=ON&postpwd=abcd” by HTTP GET way.

If you need add some message with HTTP command, just fill the “Message” edit box.

The screenshot shows a configuration page with four sections: MQTT, HTTP Server, TCP Server, and TCP Client. Each section has an 'enable' toggle. The HTTP Server section is the focus, with its 'enable' toggle turned on (green) and its 'request secret' field containing the text 'abcd'. Red arrows point to these two elements. The MQTT section has its 'enable' toggle off. The TCP Server and TCP Client sections also have their 'enable' toggles off. The TCP Client section has a 'remote address' field with the example value 'eg:192.168.1.100'.

Make sure you can enable the “HTTP Server” protocol and set the “request secret” for safety.

Protocol ID	Router	Message	Url(optional)
1	Select some options ▾	<input type="checkbox"/> HEX input some string	eg: http://192.168.1.100:1234/data
2	<input type="checkbox"/> TCP Client	<input type="checkbox"/> HEX input some string	eg: http://192.168.1.100:1234/data
3	<input type="checkbox"/> UDP Client	<input type="checkbox"/> HEX input some string	eg: http://192.168.1.100:1234/data
3	<input type="checkbox"/> <u>RS485</u>	<input type="checkbox"/> HEX input some string	eg: http://192.168.1.100:1234/data
3	<input type="checkbox"/> HTTP GET	<input type="checkbox"/> HEX input some string	eg: http://192.168.1.100:1234/data
4	<input type="checkbox"/> HTTP POST	<input type="checkbox"/> HEX input some string	eg: http://192.168.1.100:1234/data

If you board have RS485, then the option will list “RS485”.

Index	ntp server	<input type="text" value="pool.ntp.org"/>	
Input	time zone	<input type="text" value="UTC"/>	▼
Output	keep output after restart	<input checked="" type="checkbox"/>	
RF & IR >	auto send ADC values	<input type="checkbox"/>	
Sensor	double click time	<input type="text" value="100"/>	ms
Monitor	hold on time	<input type="text" value="500"/>	ms
IFTTT	edge effective time	<input type="text" value="100"/>	ms
Network	analog effective time	<input type="text" value="100"/>	ms
Protocol >	sensor effective time	<input type="text" value="100"/>	ms
System	RF repeat count	<input type="text" value="50"/>	
	IR Protocol	<input type="text" value="NEC"/>	▼
	username	<input type="text" value="admin"/>	
	password	<input type="text" value="admin"/>	

Here is system webpage.

“keep output after restart”: when after power failure, whether auto recovery digital output state when power on again.

“auto send ADC values”: every 5 seconds auto feedback analog input ports value by protocol.

“double click time”: adjust value for change speed of double click.

“hold on time”: adjust value for long or short the hold on time.

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analog effective time 100 ms

sensor effective time 100 ms

RF repeat count 50

IR Protocol NEC

username admin

password admin

Save

Restart Board

Restart Board

Restore Factory

Restore Factory

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“Restart Board”: reboot board.

“Restore Factory”: clear all setting and set WiFi to “AP” mode.