

User Manual & Specs for IOT devices:

Importance: Before connecting to App, please make sure the devices you have are 2.4G or Wifi wireless devices firstly.

- for **2.4G devices**, a Wifi **CONTROL CENTER** is an essential item to connecting App firstly.

- for **Wifi devices**, no Control Center is required and connect to App directly.

I. Download & install “IOT” App into smart-phone

Two ways for installing:

1. Scan QR code listed below, or labeled on packaging or at the back of Wifi Devices or Control Center. Then download & install into your smart-phone.

App Name: IOT (Wifi Remote Control Kit)

from Apple store



from Google



from baidu.com



2. Go to web link:

a. download directly into your Android phone:

<https://mobile.baidu.com/item?docid=22608644&source=mobres&from=1010680m>

b. search “IoT” from Google play or key in:

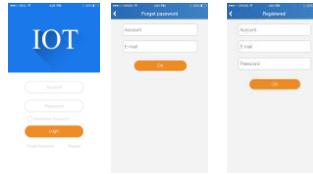
<https://play.google.com/store/apps/details?id=com.cdy.yuin>

c. search “IoT” from Apple Store or key in:

<https://itunes.apple.com/us/app/iot/id1057441518?mt=8>

II. Register to App and Log in

Register: click App icon and follow the instruction to enter user name and password. Finally, enter your e-mail address for finding back your forgotten password in future.



(You can use the same registered user details to enter the IoT App on any Android / iOS phone)

Log in with the registered user name, go to the App main interface. Click “Add Wifi Device”, then click any icon you are going to connect.

III. Connect Wifi Devices / Control Center to App:

After log in with the registered user name, go to the App main interface. Click “Add Wifi Devices”, then click any icon you are going to connect.

Including:

“Control Center” = an essential device for 2.4G wireless devices

“Camera” = IP Camera, YE-880(IOT)-V

“Air Control” = Air-conditioner controller, YE-880(IOT)-T(W)

“Door” = Door/Window Sensor, YE-880(IOT)-D(W)

“Infrared” = Motion Sensor, YE-880(IOT)-M(W)

“CO” = Carbon Monoxide Detector, YE-880(IOT)-CO(W)

“CH4” = Natural/Liquid gas Detector, YE-880(IOT)-GAS(W)

“Smoke” = Smoke Detector, YE-880(IOT)-SD(W)

“Water Leak” = Water Leak Detector, YE-880(IOT)-WL(W)

“Curtain Control Box, YE-880(IOT)-C(W)



The configure procedure for all Wifi Devices are the same.

Configuration:

Power on the wifi Control Center or Wifi device, make sure the location of device is covered by the WiFi network. Before going ahead, ensure the Wi-Fi led is fast flashing. (Let the mobile closer to the device is the best). Enter the WiFi server's name and password. Click "Configuration" and wait for it to be successfully added.

- If the Control Center is under the configuration state, the green led will be fast flashing. Otherwise, long press "reset" switch until the green led is fast flashing.

(Remark: Anytime when the wifi Control Center and wifi device move to another house under different WiFi network server, the above step for configuring to a new server has to be processed again.)

Models of Control Center to be selected:

- YE-880(IOT)-01 Control Center with night light.

Power supply: USB port (Electric rating: DC5V/500mA)

- YE-880(IOT)-02 Control Center (no USB port)

- YE-880*(IOT) Control Center with 1 pc wifi controlled socket



1. Use as a Control Center for connecting App.

2. Use as a Wifi and smart Socket for switching and time setting for home appliances.

Power supply: 100-240V

USB port: max output. 5V/2.1A



Model No.: YE-880G(IOT) for German

YE-880F(IOT) for French

YE-880I(IOT) for Italian

YE-880(IOT) for Universal

YE-880UK(IOT) for UK

YE-860U(IOT) for US

IV. Add 2.4G devices under Control Center

After the Control Center is successful configured to the Wifi server, go to add 2.4G wireless devices under it. Make sure the Control Center should be on line all-times, press any icon of device you would like to add:

- “Socket” = Smart Socket, YE-880(IOT)-S
- “Light” = Lighting Control, YE-880(IOT)-L
- “Infrared” = Motion Sensor, YE-880(IOT)-M
- “Door” = Door/Window sensor, YE-880(IOT)-D
- “Air Control” = Smart Thermostat, YE-880(IOT)-T
- “Smoke” = Smoke detector, YE-880(IOT)-SD
- “PM2.5” = Air quality Index detector, YE-880(IOT)-PM
- “CO” = Carbon monoxide Alarm, YE-880(IOT)-CO
- “CH4” = Natural/Liquid propane gas alarm, YE-880(IOT)-GAS
- “RGW + W Light” = Intelligent Led Lamp, YE-880(IOT)-LP
- “Curtain Control Box, YE-880(IOT)-C

Following the steps shown on the interface:

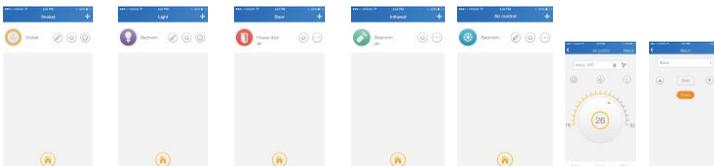
- Click “+” to add device
- Find out the S/N code labeled on each device. (each 2.4G device has private S/N code: QR code & number serial.)
- Scan the QR code OR manually enter number serial.



Then, 2.4G device successfully adds into your smart-phone. Once devices are power on, they can be remotely controlled. Click “+” for adding more 2.4G devices under the same Control Center

Remark: You can change name of device, select ringing sound /shaking / time setting and other operations.

Follow the instructions of each 2.4G wireless device to add under the Control Center.



V. Specification for Wireless Devices

Smart Socket with USB charger: YE-880*(IOT)-S (2.4G device only)



Specification:

Current Rating: 10/15/16A

Current voltage: 110/250V

Frequent rating: 50-60hz

USB port: max. output. 2.1A/5V

Model No.:

YE-880G(IOT)-S =German type

YE-880F(IOT)-S =French type

YE-880I(IOT)-S = Italian type

YE-880UK(IOT)-S =UK type

YE-860U(IOT)-S =USA type

YE-880(IOT)-S = Universal type



Instruction:

1. By plugging the home appliances in the socket, then switching on/off, as well as multiple time setting can be done from smart-phone.
2. This item can be used as door lock for garage, or switching for watering the garden sprinkle. Also can be used with cooker and water heater.

Lighting Control: YE-880(IOT)-L (2.4G device only)



Specification:

Voltage: 250V-

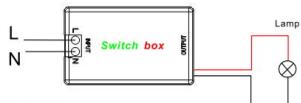
Rated power: $\leq 400W$

Steps for wiring connection:

1. Put the switch box inside the Lamp.
2. Connect the lamp bulb to the wiring from switch box (Output);

Connect the power cord to the threaded hole (Input).

3. Switch on/off the Lamp from App on smart-phone.



Intelligent LED Lamp: YE-880(IOT)-LP (2.4G device only)



Specification:

Operating voltage: 100V~240V~
Power rating: 6W
Base holder: E27

Intelligent mode: colorful colors / color modulation / light-dimming / timing function

Product life: 30,000 hours

Wireless alarm IP Camera, YE-880(IOT)-V1 / V-2 (wifi device only)



1. Features: Support “One Key Wifi Configuration”.
2. Compacted standard: H.264/ MJPEG/ JPEG.
3. Resolution: 720p (25fps) /VGA (30fps) QVGA (30fps)
4. Image adjustment: brightness, comparison, saturation, chroma adjustable.
5. Network support: RJ45
6. Network Alliance: TCP/IP, HTTP, TCP, UDP, DHCP, DNS, NTP, P2P and so on.
7. Support: Android and iOS.

Motion Sensor: YE-880(IOT)-M / YE-880(IOT)-M(W) (2.4G / Wifi device)

When someone moves within the scope the Monitor, it will send the feedback into the smart-phone and alarm raises at the same time.

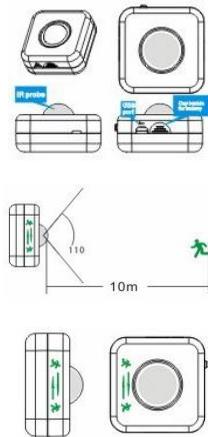


Technical data:

Operating voltage: USB DC5V 500mA
Battery: 2pcs x AAA batteries 3V
Standby voltage: < 50 μ A
Wi-Fi type: Wi-Fi 2.4GHz
Operating temperature: 0°C - 40°C
Support system: Android / iOS

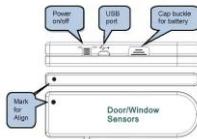
Instruction for installing:

1. Firstly, use a pin to insert the “Reset” hole located at the side of the device for switching, and release around 6 seconds later. The indicated led will be fast flashing. Then add this device under the Control Center or App directly for controlling.
2. When installing, fix the item on the wall or any fixity surface by using double sided adhesive tape. Take care the “IR Probe” will not be shielded by any substance in front of it.
3. The probing angle and distance, as diagram shown, they are within 110 degree and 10M. (The probing distance will be changed according to changing of circumstance’s temperature: the distance will be nearer in summer whereas the distance will be farther in winter.)
4. The “walking human and arrow” mark on the item means the direction of people walking through will have the highest sensitivity. Therefore, install the Sensor with same direction of people walking through would be the best.
5. Not to install the Sensor at any place where can be sprayed by water.
6. Not to install the Sensor at any place where can be direct shined by Sun.
7. Forced press “Cap buckle” to open the battery box for replacing a new battery. (life of battery can be displayed in App once trigger occurred within 30 seconds.)
(When power supply is from USB port, the battery supplying will be auto-outage.)
8. If there is no trigger happened within 1 minute, the device will go to dormant mode for saving power.



Door Sensor: YE-880(IOT)-D / YE-880(IOT)-D(W) (2.4G / Wifi device)

When door/window or closet's door is opened, the sensor will send the feedback to the smart-phone and alarm raises at the same time



Technical Data:

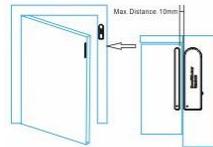
Power supply: AAA batteries x2pcs(1.5V)
or USB port

(electric rating: DC 5V/500mA)

Remote control distance: within 15M

Instruction for installing:

1. Firstly, use a pin to insert the “Reset” hole located at the side of the device for switching, and release around 6 seconds later. The indicated led will be fast flashing. Then add this device under the Control Center or App directly for controlling.
2. Fix the Sensor body on the door frame and Sensor magnet on the active door edge. Keep the distance between these two parts not be excess 10mm. Align the “Mark” at the same level. (Double sided adhesive tape can be used for fixing on door.)
3. Forced press “Cap buckle” to open the battery box for replacing a new battery. (Life of battery can be displayed in App once trigger occurred within 30 seconds.)
(When power supply is from USB port, the battery supplying will be auto-outage.)
4. If there is no touch off detected again within 1 minute, the device will go to dormant mode for saving power.



When power switch is off, the device will off from operating state.

Smart Thermostat / Air-conditioner Remote Controller:

YE-880(IOT)-T / YE-880(IOT)-T(W)

(2.4G / Wifi device)

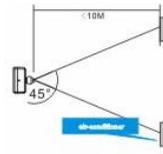


Features

1. Detect indoor temperature within IR probe scope.
2. Max. Remote Control distance: within 10 meters.
3. Power supply: USB port (electric rating: DC 5V 500mA)

Instruction for installing:

1. Use a pin to insert the “Reset” hole located at the side of the devices for switching, and release around 6 seconds later. The indicated led will be fast flashing. Then add this device under the Control Center or App directly.



2. Stick the item with double sided adhesive tape at a suitable location: Far from the air-conditioner within 10M, within the range of 45 degree from IR transmitting pin.

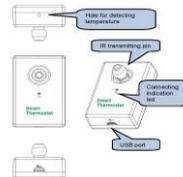
3. After adding the Smart Thermostat to App, then have to process the emission code matching.

Click “”

Click “Match” to enter “Brand” interface: choose the brand of air-conditioner / heater /cooler you are going to match.

Click “Scan” and the code matching processing.

When there is a sound from the air-conditioner or it is turn on, click “stop” for stopping the matching. Then, click “Check” to see whether the matching is well done.



If the matching is succeed, you can operate the function of air-conditioner from smart-phone accordingly; if there is no reaction from air-conditioner, adjust it by moving arrow up and down until it is under controlling by smart-phone.

Remark:

1. If the air-conditioner impossible to place at a suitable location, adjust the IR transmitting pin within slightly range.
2. Not to block the temperature detecting hole, that will make temperature displaying inaccurately.
3. Must be operated by power supplying from USB port only.

Curtain Control Box: YE-880(IOT)-C/YE-880(IOT)-C(W)(2.4G/Wifi device)



Specification

Input voltage: 100-240V~

Current ampere: 4A

Features:

This control box can control the exterior installation of AC Curtain Motor.

From the App on smartphone, to remotely control the opening / closing, stop function, and timer setting for switching of AC curtain motor.

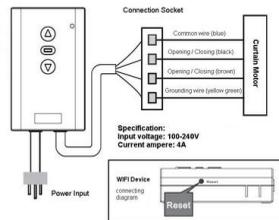
Using press buttons on device, for manually controlling the opening / closing, and stop function.

The manually press buttons and App press buttons can be mutually controlled.

Installation:

For safety purpose, please turn off the power of curtain motor before installing. According to the connection diagram, well fix each lead wire.

Power on the curtain motor, manually check if “Up”, “Down”, “Stop” is normally operating.

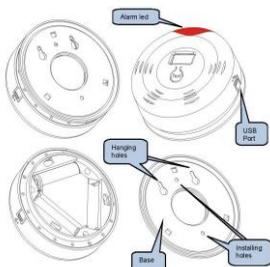


Using instruction:

1. 2.4G wireless device: (need a Control Center for downloading App firstly) Under the App, select “add new device”, scan QR code showed on the Curtain control box and add the device. Then, remotely control the curtain motor from smartphone.

2. Wifi wireless device: scan QR code showed on device, download the App, then use a small pin to press the “Reset” hole on side of device for switching within 6 seconds. When the led quick flashing, add the device on App. And to remotely control the curtain motor through control box from smartphone.

Instruction for installing Detector/Alarms of -CO, -SD, -GAS and -WL:



1. Turn on the housing of device, use a pin to insert the "Reset" hole located at the back side of device, release around 6 seconds or above later. The indicated led will be fast flashing, then add to the App accordingly.
2. When install on side wall, use hanging holes will be more convenient: Firstly fix screws on wall firstly and then hang the Alarm there.
3. When install on ceiling, use installing holes: Insert screws into the hanging holes, along-with the base of device, fix tightly on the ceiling. Other parts of the Alarm will be spin tightly to the base accordingly.
4. Not to install the Alarm near the air exit, air exchanging fan, room door and any places with more wind flowing volume.
5. Not to install the Alarm at any place where can be sprayed by water.
6. Suggestion: in each room, for every 25-40 square meters area, install 1 pc of Alarm. And for important equipment, 0.5 -2.5M above from it, install 1 pc of Alarm.

Warm Reminder:

- Auto-standby 3 minutes later when no trigger happened.
- For the first time installing and using this device, it will be more stable after power on 5 minutes.

Remark: Due to the power saving mode are different from Android cell-phone manufacturer, which the limitation on background will block the incoming Alarm warning message once the lock screen is working. Please search the lock screen protect application from the battery management under the setting, and to add "IOT" App under it. Select all notification for "IOT" under the management list.

Carbon Monoxide Alarm:

Model No.: YE-990-CO (Independent Device)
YE-880(IOT)-CO (IOT 2.4G device)
YE-880(IOT)-CO(W) (IOT Wifi device)

- * Treasure your life. Defend from poisoning
- * Essential device in your kitchen.



Specification:

Measuring Method: Warm up Mode
Measuring Mode: Automatic
Display Mode: LED digital with 3 numerical.
Alarm Mode: Sound & Light Alarming /
App on smartphone
Power Supply: USB port 5V 500mA or
3pcs AA battery 4.5V

Performance Index: Measuring concentration: 000-999PPM

Concentration	Quality Level	Color of numerical value shown on App	Alarm status (frequency of sound) on item
0-35PPM	Level 1	Green	No sound rises
35-75PPM	Level 2	Yellow	No sound rises
75-150PPM	Level 3	Orange	No sound rises
>150PPM	Level 4	Red (alarm rises on App)	Rings 3 series within 1 second

Natural/Liquid Propane Gas Alarm:

Model No.: YE-990-GAS (Independent Device)
YE-880(IOT)-GAS (IOT 2.4G device)
YE-880(IOT)-GAS(W) (IOT Wifi device)

- * Yueh In's Gas Alarm, Open new generation of Home living.
- * Break the tradition, unique, innovation and progressive
- * Precise, sensitive and errorless.



Specification:

Measuring Method: Warm up Mode
Measuring Mode: Automatic
Display Mode: LED digital with 3 numerical
Alarm Mode: Sound & Light Alarming /
App on smartphone
Power Supply: USB port 5V 500mA or
3pcs AA battery 4.5V

Performance Index: Measuring concentration: 000-999PPM

Concentration	Quality Level	Color of numerical value shown on App	Alarm status (frequency of sound) on item
0-35PPM	Level 1	Green	No sound rises
35-75PPM	Level 2	Yellow	No sound rises
75-150PPM	Level 3	Orange	No sound rises
>150PPM	Level 4	Red (alarm rises on App)	Rings 3 series within 1 second

Smoke Alarm:

Model No.: YE-990-SD (Independent Device)
YE-880(IOT)-SD (IOT 2.4G device)
YE-880(IOT)-SD(W) (IOT Wifi device)

- * One correct choice is the responsible for the family.
- * Essential device for fire preventing, to offer more safety in your kindergartens, schools, nursing homes, internet bars, factories and warehouses.



Specification:

Measuring Method: Warm up Mode
Measuring Mode: Automatic
Alarm Mode: Sound & Light Alarming /
App on smartphone
Power Supply: USB port 5V 500mA or
3pcs AA battery 4.5V

Performance Index:

Concentration	Quality Level	Color of numerical value shown on App	Alarm status (frequency of sound) on item
0-35	Level 1	Green	No sound rises
35-75	Level 2	Yellow	No sound rises
75-150	Level 3	Orange	No sound rises
>150	Level 4	Red (alarm rises on App)	Rings 3 series within 1 second

Water Leak Detector / Water Sensor

Model No.: YE-990-WL (Individual device)

YE-880(IOT)-WL(W) (Wi-Fi device)

- * Sensitiveness and Effectiveness for saving water
- * When forget to turn off the water faucet during the cut-off period of water supply, the water sensor will feedback once the water come back, so dispose in time before the “flood” damage happened.
- * Alarm receives a time once water pipe in house accidentally leaks, in order to timely notify the related party to deal with.

Specification:

Measuring Mode: Automatic

Alarm Mode: Sound & Light Alarming /
App on smartphone

Power Supply: 3pcs AA battery 4.5V



PM2.5 Air Quality Index Detector:

Model No.: YE-990-PM (Independent Device)
YE-880(IOT)-PM (IOT 2.4G device)

*The Air quality detector can effectively detect the capacity of PM2.5 in air at actual time; with high precision probe, give you update data for understanding the surrounding air at any time.



Specification:

Measuring Method: Optical Scattering Method
Measuring Mode: Automatic
Display Mode: LED digital with 3 numerical
Alarm Mode: Acousto-Optic
Power Supply: USB 5V 500mA

Performance Index: Measuring concentration: 0-999 μ g/m3

PM2.5 Concentration	Air Quality	Quality Level	Color of numerical value shown on App.	Alarm status on item (frequency of sound)
0-35 μ g/m3	Excellent	Level 1	Green	No sound
35-75 μ g/m3	Mild concentration	Level 2	Yellow	A ring rises with interval at every 5 seconds
75-150 μ g/m3	Moderately pollution	Level 3	Orange	A ring rises with interval at every 2 seconds
.150 μ g/m3	Severe pollution	Level 4	Red (alarm rises on App)	A ring rises with interval at every 1 seconds

Remark: Due to the power saving mode are different from Android cell-phone manufacturer, which the limitation on background will block the incoming Alarm warning message once the lock screen is working. Please search the lock screen protect application from the battery management under the setting, and to add "IOT" App under it. Select all notification for "IOT" under the management list.

Question and Answer towards the configuration of IoT kit

The first step: Confirm the network environment

1. If you are using Android phone, affirm the Android version is 4.0 or above.
2. What your network server using?
 - ▲ Ensure your Wi-Fi name (SSID) not included any Chinese or Japanese characters. (SSID will be shown on the configuration page of mobile's App.)
 - ▲ Ensure the user doesn't set any AP isolation.
 - ▲ Devices support Wi-Fi server with 802.11b/g, which mostly the main stream of Wi-Fi server should have. If your server only supports 802.11n, it cannot be connected to.
3. Isn't the password is enough for login the server?
If there is any special setting on server, for example, for company's server it need to login user name, which is not supported under this environment.
4. What is the pin security validation method for the server?
WEP, WPA, WPA2? Recommend to use WPA2 as the safest one.

The second step: Why the network configuration fails

1. At first, make sure if the green led is fast flashing, then start the configuration.
2. Observe if the green led starting slow flashing after extinguish several second, it means the configuration has been saved to Device and trying to connect to the server. If the green led in fast flashing doesn't enter to the situation of slow flashing, it shows the configuration fail, and have to go to the following third step.
3. If the green led keeps slow flashing till showing 'Connect to network time-out', there are several solution:
 - ▲ Long press the power switch to restore factory settings, repeat the configuration two to three times.
 - ▲ If the above is still not be settled, check whether the mobile is normally connecting to wifi server. Try to open any website in the mobile which to be proved it gets on the internet normally.
 - ▲ Open "Show the password" under the configuration, and make sure the password you entered is corrected. (Entering wrong password is the most common question.)
 - ▲ Are there too many devices connected to the same server? Temporarily turn off the wifi connection with other devices. Once the current configuration completed, turn on again the devices and the use will not be affected.

The third step: Reset

1. After trying the above procedures, if still fails to configure, please long press the power switch till green led fast flashing; pull out the socket and plug in again.
2. Restart the server and try to configure again.
3. If it still fails, try again with other server or open Wi-Fi hot-spot.
4. Or try again with the network at office or the others'.

Manufacturer: Yueh In Co., Ltd.

Address: 7fl., No.274, Jan Ai Street, San Chung City,
New Taipei City, Taiwan (zip. 241)

Home page: www.yuin.com.tw