konke

K Kit Smart Home Unit

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- Manufacturer:
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  Address:
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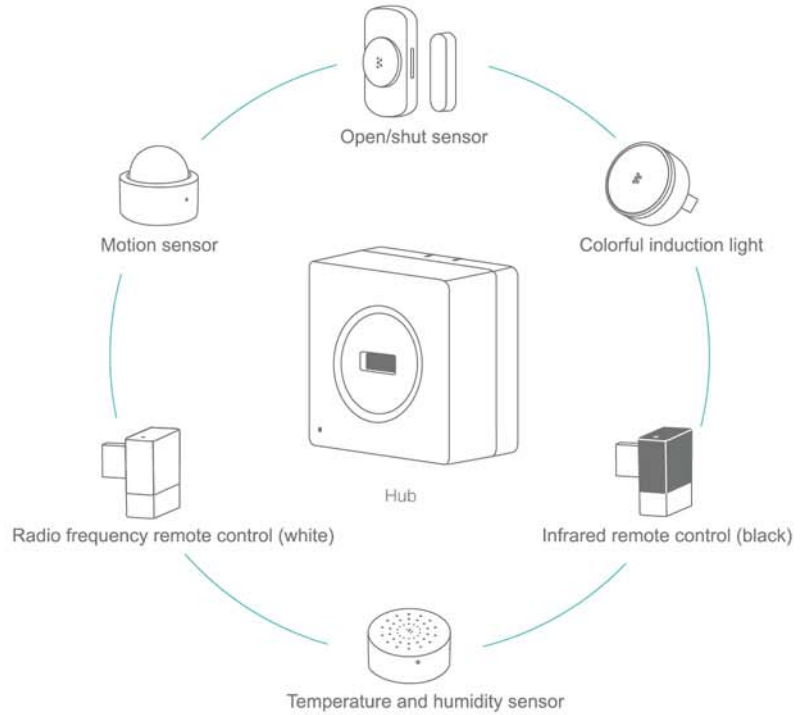
  Jianggan District, Hangzhou, Zhejiang Province

Thank you for using our K Kit smart home unit

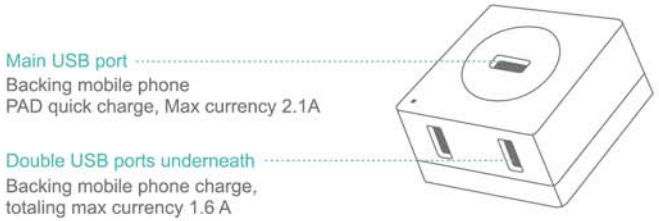
K Kit contains a hub(multi-functional gateway) with 3 USB ports in which radio frequency remote control, infrared remote control and colorful induction light plug, and the hub is also connected with temperature and humidity sensor, motion sensor （x2）,open/shut sensor（x2）in wireless approach; hence, you may monitor and control your home through this unit, and start your smart life with your smart phones.



Product introduction

Hub

The hub is the controlling center of the K Kit smart home unit, all the sensors are dependent on the data transmitted by it for interaction with other smart devices.

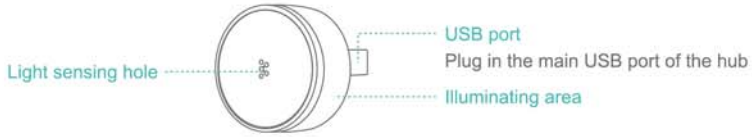


Product parameters

Type: KK-LINK	USB output: 5V ⎓ 2A（middle）0.6A（under）
Voltage input: 100-240V~，50/60Hz	Product dimension: 53 x 53 x 30mm

Colorful induction light

The colorful induction light has a built-in light sensor, supporting colorful induction light of 16 million colors; thus it switches on or off the light by sensing the light changing of the surrounding environment.

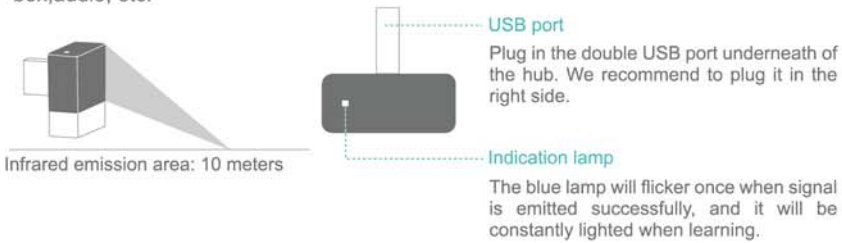


Product parameter

Type: KK-LIGHT	Voltage input: 5V ⎓ 0.2A	Color supported:16 million colors
Light sensing level: level 5	Product dimension: diameter 31mm, height 16mm (exclude USB)	

Infrared remote control (black)

Mobile phone can be a all-purpose remote control by using infrared remote control plug-in through learning, it can control equipments like television, air-conditioner, set-top box,audio, etc.

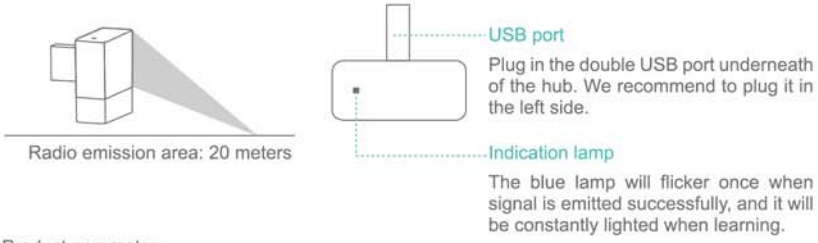


Product parameter

Type: KK-IR	Voltage input: 5V ⎓ 0.2A	Infrared frequency: 38KHz
Remote control distance: >10 meter	Product dimension: 30 x 26 x 12mm（exclude USB）	

Radio frequency remote control (white)

Radio frequency remote control of K Kit supports equipments of 315MHz frequency, and it can control radio remote equipments like electrical curtain, garage door and door bell, etc, through learning radio.

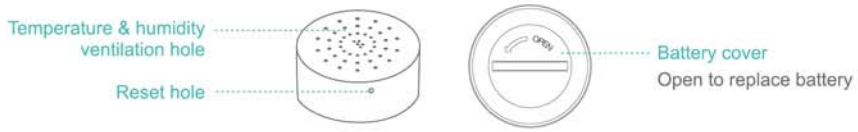


Product parameter

Type: KK-RF	Voltage input: 5V ⎓ 0.1A	Radio frequency: 315MHz
Remote control distance: >20 meters	Product dimension: 30 x 26 x 12mm（exclude USB）	

Temperature and humidity sensor

The temperature and humidity sensor can sense the temperature and humidity of the environment through the built-in sensor, which is featured with low power consumption and can be placed anywhere.

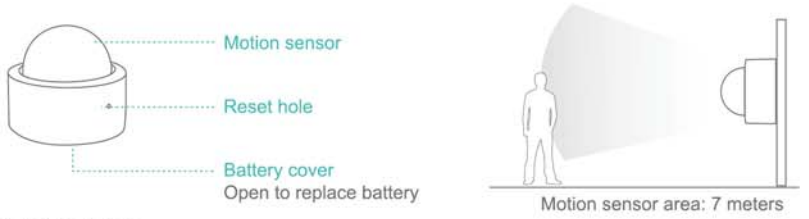


Product parameter

Type: KK-FT	Battery type: CR2450	Battery life: >1year（standard environment）
Precision: temp.— 0.1°F humidity—0.1%		Product dimension: diameter 31mm，height15mm

Motion sensor

The motion sensor can sense the infrared from human body to know human approaching or passing ,which is featured with low power consumption and can be placed anywhere.

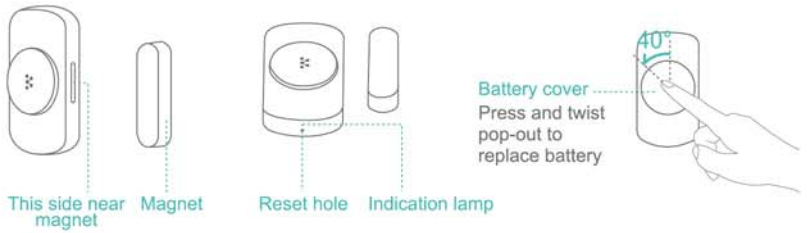


Product parameter

Type: KK-BD	Battery type: CR2450	Battery life: >1year（standard environment）
Sense distance: >7 meters		Product dimension: diameter 31mm，height 27mm

Open / shut sensor

The door sensor can sense the door opening information through the detach-attach movement of its body and magnet part, it can be used easily when attached anywhere.



Product parameter

Type: KK-DOOR	Battery type: CR1632	Battery life: >1year（standard environment）
Installation distance: <10mm		Product dimension: 45 x 24 x 12mm

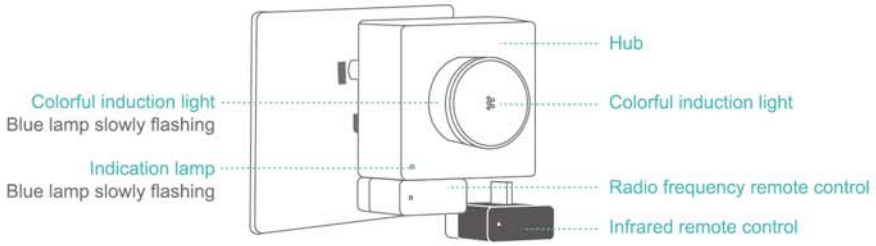
Explanation for first time use

Step 1: download client software

Scan the QR code to install “K Kit”client, and complete the registration as per the installation notes.

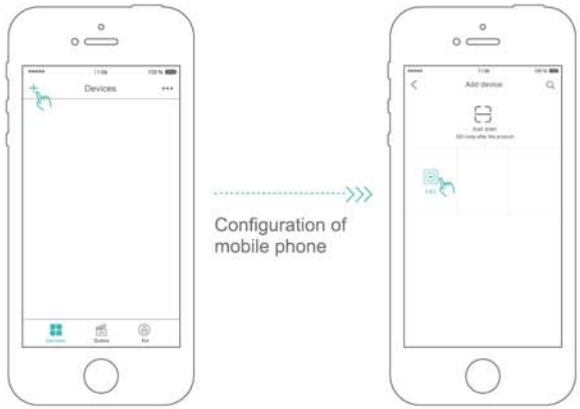
Step2: hub powered on

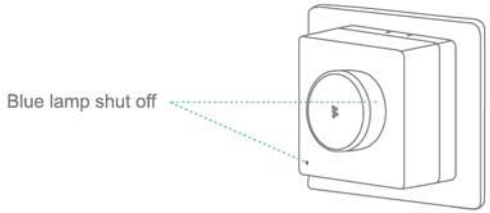
Plug the colorful induction light , infrared remote control and radio frequency remote control into the hub, then plug the hub in electric outlet, make sure that you see the indication lamp of the hub and the colorful induction light both slowly flash with a blue color, then you can make the hub configuration.



Step 3: hub configuration

Make sure your mobile phone has been connected with WiFi(connect 2.4G WiFi), login in client, click the “+” on the top left, select “K Kit”, then configure the hub according to the notes displayed, the blue indication lamp and colorful induction light should be flashing quickly during this process, then the blue lamp will be shut off, and a dialog box of equipment name revision will appear on APP, which means the K Kit configuration has been completed successfully, you may decide by yourself whether it is necessary to revise the name.



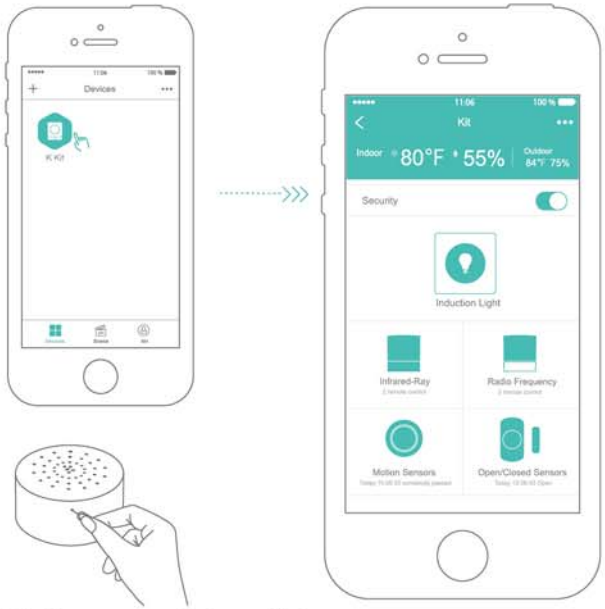


The lamp status when configuration has been completed successfully

Step 4: application

When the hub configuration is completed, you can see the K Kit smart home unit in the interface of “K Kit” client end. All the sensors are connected with the hub in default setting, and all the devices will appear on the interface, and you can operate any one of them by just clicking the icon, with no need to add them repeatedly.

* If there is no data of temperature and humidity on APP, you can prick the reset hole of temperature and humidity sensor with the reset pin, and then quit the APP and log in again to the interface of smart home unit, so the current data of temperature and humidity will appear.



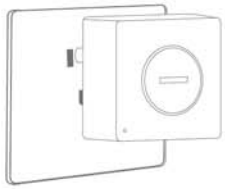
Activation: you can prick the reset hole
of temperature and humidity sensor with the reset pin

Product installation

Hub

Plug the hub directly into the socket for power.

* Do not install the sensor too far away from the hub, so as not to have the data receiving failure.



Open / shut sensor

The back of open/shut sensor has glue. Tear off the glue protective film, and you can attach the sensor anywhere you want to install. It is better to attach it close to the hub and keep it away from magnetic field.

*The back of sensor has glue. Tear off the glue protective film, and you can attach the sensor anywhere you want to install.
* To ensure the using effect, please keep it away from magnetic field, and the ideal distance between the sensor and magnetic body should be ≤5mm in installation.

Tear off the protection film on the back of the sensor

Ideal distance should be ≤5mm

Motion sensor

Do not install the motion sensor far away from the hub. Tear off the glue protection film on the back of the sensor, and then you can attach the sensor anywhere you want to sense the information.

*Do not install the motion sensor far away from the hub, otherwise the hub will not receive the information from the motion sensor properly; besides, keep the device away from any hot objects for prevention of misinformation.

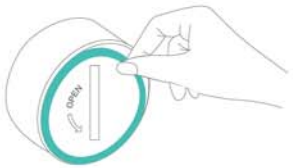
Tear off the protection film on the back of the sensor

Attach it anywhere you want

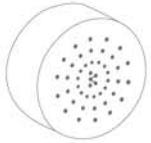
Temperature and humidity sensor

Do not install the temperature and humidity sensor close to the objects whose temperature is higher than the surrounding environment, otherwise the data will be wrong. Tear off the protection film on the back of the sensor and attach the sensor anywhere you want, or just put the sensor on anywhere you want.

*Do not install sensor far away from the hub, otherwise the hub will not receive the information from the temperature and humidity sensor accurately.



Tear off the protection film on the back of the sensor

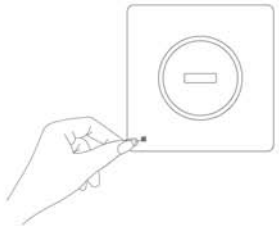


Attach it anywhere you want

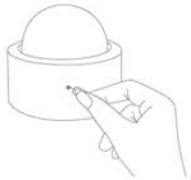
Equipment reset

Approaches of factory reset/re-configuration for various accessories:

Hub: prick the reset hole with reset pin for 4 seconds, and then wait 30 seconds, the blue indication lamp will flash slowly, which means it is in configuration. Then the blue lamp will flash quickly and shut off, and a dialog box of name revision will appear, which means the resetting has been done successfully.



Sensor: there are reset holes for motion sensor, temperature and humidity sensor and open / shut sensor, log in Kit interface, click the pull-down menu 【add sub-device】 on the up-right, then select re-set, prick the reset hole with reset pin for 3 seconds, the blue indication lamp will flash slowly, then the blue lamp will flash quickly and shut off, and a dialog box of “device adding completed”will appear on APP interface, which means the sensor resetting has been done successfully.



Motion sensor

Temperature and humidity sensor

Open/shut sensor

Plug-in unit: there are no reset holes for radio frequency remote control, infrared remote control and induction light, and re-plug means resetting or re-configuration.

Typical application scenes

K Kit smart home unit, provides scenes and interacted function:

Scene 1: switch on or switch off the air conditioner at the designated time.
Switch on K Kit unit, select infrared remote control to learn it. After learning, set the scene intended on the page I of scene setting; for example, you can set to switch on the air conditioner at 9 o'clock and switch it off 2 hours later.

Scene 2: when it comes dark, switch on the night light. When it comes dawn or there is lamp on, switch off the night light.
Just activate the "light automatic sense" button in induction light control interface.

Scene 3: switch on the humidifier automatically when the humidity is less than 30% in the room.
Make it interact with other Konke smart products, and set the humidity value of 30%. When the humidity is lower than 30%, the humidifier will be automatically switched on.

Scene 4: night light switch on when people passing in night
Attach or put the motion sensor in the area where people will get up and pass in night. In APP you can set a scene that the light will be switched on when people pass by the sensor and switched off 1 minute later automatically.

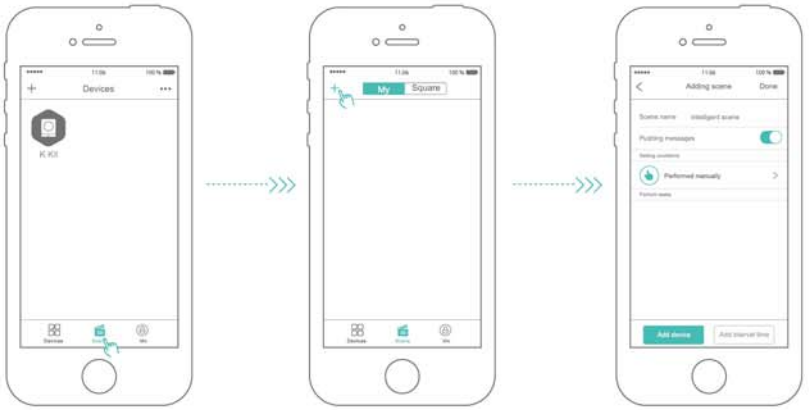
Set of interaction

1. When the installation of all the devices have been completed, you can establish many scenes through "K Kit" to establish the interaction among the Konke products. Select "scene"at the bottom of client to enter scene setting interface.

2. Click the "+" on the up-left to set the scene you want.

3. You can set the conditions or tasks of the scene, the logic of the scenes will be: if occur(the condition set), then (execute the task). The conditions could be: manual operation, start at set time, human body sense, set value of temperature or humidity, door, window open or close, socket switch on or off, connect some devices to the modem or break some devices from the modem...

   Tasks can be: information transmission, switch on or off the induction light, transmit infrared or radio signals...



FAQ

Question 1: how to re-configure it to a new WiFi internet?

Press the system indication lamp for 4 seconds to re-configure it to the default setting, wait 30 seconds, then the system indication lamp will flash slowly, and the induction light will be in blue. Then you can configure it with just one key pressing, switch on the K Kit APP , and it will be configured to the new wireless internet.

Question 2: how to re-add temperature and humidity sensor, motion sensor or open/shut sensor?

Switch on APP, log in smart home unit interface, click “add sub-device” to select the icon of the device intended to add, prick the reset hole for 3 seconds with reset pin, and the blue lamp will flash slowly, then you can make configuration until you see a dialog box of “device adding completed”, otherwise you need to do it again. When the device adding completed, you need to check if the wireless internet has been well connected, then you can use it.

Question 3: what to do if the devices are offline when you want to control in APP?

Make sure the WiFi is well connected to internet, and the distance of the device and the hub is suitable, and there are not too many client ends on router.

Question 4: how to know the transmission between wireless devices and hub is in good condition or not?

Firstly, confirm if the batteries of the devices are adequate and the distance with the hub is adequate, after that, prick the reset hole of temperature and humidity sensor with the reset pin, switch the magnetic sensor on and off once, activate the motion sensor once, then refresh the relevant data on APP, in this approach we can confirm if the transmission between wireless device and hub is in good condition or not.

Question 5: temperature and humidity sensor has no data after the completion of hub configuration?

The temperature and humidity sensor has been added to the hub already when it was produced by the manufacturer, when you completed the hub configuration, you need to activate it by pricking the reset hole of temperature and humidity sensor with reset pin, then you can see the data of temperature and humidity data on APP interface after activation.

Question 6: how to avoid WiFi or other environmental factor to influence the zigbee network?

To avoid the interference of network, it is better to keep the hub 2 meters from router , and 1 meter above the ground.

Question 7: why the motion sensor is not sensitive?

The freeze time of the motion sensor is 15 seconds; that is, the 2nd activation will be triggered 15 seconds later after the first one.

Question 8: why the data of temperature and humidity sensor change slowly, not in a real-time manner?

When the temperature and humidity sensor connected to the hub, the data is updated every 90 seconds.

Puzzling questions

In the first time use, when the hub is switched on, but the indication lamp is not flashing slowly, or how to operate when we need to re-configure the hub?

In the first time use, if the hub is powered on, but the indication lamp is not flashing slowly, or when you want to re-configure the hub, you may use the reset pin to prick the reset hole for 4 seconds, then wait 30 seconds, the hub will be restored in original default setting, then you can make configuration according to the notes on APP.

What to do if data of the sensors lost?

Firstly you need to confirm the position of the hub is adequate or not, if the data of the device still lose seriously when device is close to the hub, then you need to check if there is any other Zigbee products in the same environment, this will make the interference of Zigbee gateways, in this case, the Zigbee gateway will be re-configured (how to re-configure Zigbee network you can see APP reference files)

What to do if hub cannot be configured to network?

If the hub cannot be configured to network, the blue lamp will keep flashing slowly, in this case, you can try configuration with AP mode, that is, plug in hub to power it on, wait 30 seconds until the blue indication lamp flashes slowly and induction light flashes slowly in blue color, prick the blue indication lamp of the hub 4 seconds with reset pin, then the induction light flashes slowly in blue color begins to flash slowly, which means the equipment is in AP mode.

Connect the mobile phone with WiFi signal: 0K_SP3, switch on “K Kit” mobile phone APP, click “+” to add, then select K Kit, click “next”, then come to “smart configuration”, click “configuration aid”, find AP. (you can see how to switch WiFi configuration in APP reference files)

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FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's (or your) authority to operate the equipment. Only peripherals (digital input/output devices, terminals, printers,etc.) certified to comply with the Class B limits may be attached to this monitor. Operation with non-certified peripherals is likely to result in interference to radio and TV reception. Only shielded signal cables may be used with this System.

NOTICE

The regulations are applied only to the products with the ID LABEL indicating specific requirements.

CAUTION

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.