

Zigbee IR Blaster



Ref: 1870303

EN User guide

1. SAFETY AND IMPORTANT INFORMATION

Read this guide carefully before installing and using the Zigbee IR Blaster. This guide describes the installation, commissioning and operation of IR Blaster. Any incorrect use will invalidate the product warranty and Somfy's liability.

⚠ WARNING

- This product is designed for indoor use only.
- Always keep this product dry.
- To prevent fire or shock hazard: Do not expose the product to excessive heat by heating equipment or direct sunlight.
- No naked flame sources, such as lighted candles, should be placed nearby the product.
- Do not allow your product to be submerged in water.
- This product shall not be exposed to dripping or splashing.
- To clean the product, use a soft cloth with plain water to swipe in power off state. Do not use cleansing agents containing alcohol, spirits, ammonia or abrasives as they may harm the product.
- Do not disassemble the product.
- Do not connect this product to AC main with voltage lower than 100V or above 240V.
- Do not operate the product in a place where temperature is below 0°C or above 50°C.
- Do not use the product if any broken found.
- Use the maintenance products recommended by Somfy only.
- Do not allow the children to access the product during the installation.
- Do not use any battery cell which is not recommended by this manual to supply the power to this product.
- Do not use mixed type of batteries. (Alkaline batteries, Ni-Mh charging batteries)
- Please remove batteries if the product has not been operated for long time. This is to prevent batteries fluid leakage.

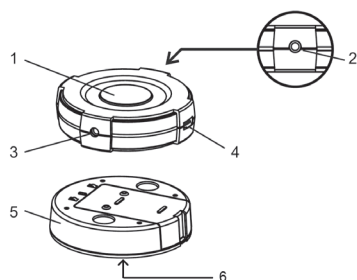
2. PACKAGE CONTENT

1. Zigbee IR Blaster x 1
2. User manual x 1 (Simplified Chinese/English)
3. Power adaptor x 1
4. European AC plug x 1
5. Britain AC plug x 1
6. China AC plug x 1

3. PRODUCT DESCRIPTION

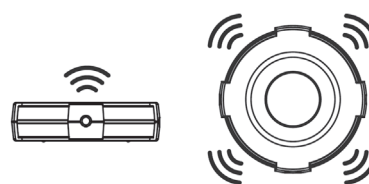
This product is designed to connect with SOMFY gateway through Zigbee protocol. User can download the infrared remote-control code library of more than 2,000 brands of electronic products from around the world, and then operate the Zigbee IR Blaster with a mobile phone application to send infrared commands to control related electrical products.

In conjunction with SOMFY's other smart home products, users can also set various scenarios, intelligent triggering and automation to achieve a more comfortable home environment in a more convenient way.



| | |
|---|---|
| 1 | Button |
| 2 | LED indicator |
| 3 | External IR cable connector (cable is sold independently) |
| 4 | USB 5V connector for power supply |
| 5 | Batteries compartment (3xAAA) |
| 6 | QR codes (to pair to gateway) |

Infrared signals will emit to 5 directions from the IR Blaster



LED indicator

| | |
|--|---|
| LED off | standby/power off |
| Green LED blinks every 1 seconds | Pairing mode |
| Green LED on | Zigbee network found, normal operation |
| Green LED on, gradually goes off after 10s | Zigbee network found and turned into standby |
| Green LED blinks once | An IR command received and generated an IR signal |
| Red LED blinks twice | Pairing mode timeout/Learning mode timeout |
| Green and red LED blink alternatively for 10s, and then red LED blinks 3 times | Preparing and executing factory default setting. |

4. INSTALLATION

Please read the following reminder before the installation:

1. It is not recommended to install the Zigbee IR Blaster inside the wall, which will shield the radio signals and shorten the RF distance.
2. RF distance can be affected by specific materials, such as mirror, metal, and high power electronic products. Avoid placing the IR Blaster near them.
3. The infrared signal of this product has a line-of-sight distance of about ten meters. Please choose an appropriate position to place this product.
4. Infrared signals can be blocked by obstacles (including glass).
5. Infrared signals can be affected by sunlight. It is not recommended to install this product at the place with direct sunlight.
6. Besides providing smart infrared signals control, this product can also operate as a Zigbee router.

Step 1: Configure Zigbee IR Blaster as a Zigbee router and enter it into pairing mode

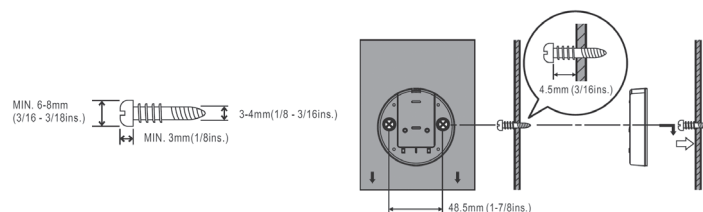
1. Make sure the product is at factory default setting.
2. Make sure it is not powered by battery and connect it to the USB 5V power supply.
3. The green LED blinks every second, indicating that it is in pairing mode.

Step 2: Pair to Gateway

1. Set the gateway (i.e. TaHoma Bee) in device pairing mode.
[Configuration -> Add > Zigbee device]
2. Scan the QR code on the product label at the back of IR blaster.
3. Rename the new Zigbee IR Blaster.
4. Check if the "Zigbee IR Blaster" icon exists in the TaHoma Bee app Home page.

Step 3: place/mount the product

This product can be placed on a flat surface (such as a table) or mounted to a wall.



Unpair from the gateway (by using App)

1. Launch the TaHoma BEE mobile App
2. Go to Configuration -> choose the target Zigbee IR Blaster -> click the rubbish bin next to it
3. Follow the in-app instruction to complete the procedure.

Button method to unpair from gateway and go into pairing mode

1. Disconnect the power supply
2. Press and hold the button on Zigbee IR Blaster and connect it back to power.
3. Continue to hold and press the button for 5 more seconds. During this process, the green LED and red LED will blink alternatively
4. Release the key after 5 seconds.
5. Zigbee IR Blaster will leave the existing Zigbee network and go into pairing mode again.

Reset to Factory Default

[This will erase all IR commands setting. End user may need to re-load the IR commands.]

1. Disconnect the power supply
2. Press and hold the button on Zigbee IR Blaster and connect it back to power.
3. Continue to hold and press the button for about 10 seconds. During this process, the green LED and red LED will blink alternatively
4. Wait until the Red LED continue to flash 3 times and then release the key.
5. Zigbee IR Blaster will leave the existing Zigbee network, reset to ex-factory status and go into pairing mode again.

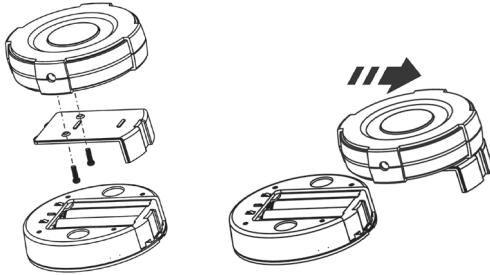
5. OPERATE YOUR PRODUCT

1. Launch the TaHoma BEE mobile App
2. If the pairing procedures introduced above has been completed, the Zigbee IR Blaster icon will appear inside TaHoma BEE mobile App. Click the IR Blaster icon.
3. Operate the product according to the guidance in the mobile App

Operation description when using batteries

- When this product works as a Zigbee router, the batteries would only serve as backup power source. The standby time typically would not exceed 2 days.
- This product does not provide charging of batteries. When both batteries and USB 5V are present, batteries will not be charged
- When both batteries and USB 5V are used at the same time, USB 5V has the priority to supply the power to the product.
- This product works with 3 x AAA alkaline batteries or 3 x AAA NiMH rechargeable batteries [you should use a separate and qualified charger to recharge the NiMH batteries]

Batteries installation



6. TECHNICAL SPECIFICATION

| | |
|--|---|
| Model | 1870303 |
| Power supply | DC 5V 1A (when USB 5V is used) DC 1.5V x 3 (when batteries are used) |
| Radio protocol and frequency | Zigbee3.0 2.4GHz |
| Maximum RF power | < 10dBm |
| Radio range | 80 meters (line of sight) 20 meters (through 2 reinforced concrete wall) * RF distance would be affected by specific material, such as mirror, metal, or high power electronic products |
| Infrared signal Range | 10 meters (line of sight) |
| Number of storage for IR commands from learning mode | 100 |
| Operating temperature | 0-50°C |
| Operating humidity | 5%-95% |
| Ingress protection level | IP 20 |
| Dimensions | Diameter 70mm Thickness 33.5mm |
| Weight | 35g |

7. TROUBLESHOOTING

| Problem | Possible Causes | Solutions |
|---|--|---|
| IR Blaster powered but no LED is seen. | To save the power, this product will turn off LEDs when it has been idle for 10 seconds. | User can press the button on the product once, the LED will light up immediately. |
| IR Blaster powered but no LED is seen even pressed the button once | No power | Check if the USB 5V external power adaptor is connected properly to main AC. |
| Pairing failure | Wrong setting in the gateway / Pairing mode time out | <ol style="list-style-type: none"> 1. Check if the LED of the gateway is green. (make sure the gateway is connected to internet) 2. Reset the IR Blaster and go into Pairing mode again 3. Re-activate Pairing by Mobile App |
| | Zigbee IR Blaster may have already joined another Zigbee network | Use Button method to unpair from the gateway. the IR Blaster will go into pairing mode again and be ready to join a new Zigbee network. |
| There is latency when using mobile App to send an IR command | Poor Internet connection | Please check internet device configuration |
| | Zigbee signal is not sufficient strong / Influenced by other 2.4GHz Radio signal | Please try to put the Zigbee IR Blaster closer to the Somfy gateway |
| Use App to send an IR command but the target appliance does not response. | Internet connection disconnected | Please check internet device configuration |
| | The IR Blaster is too far away from the electrical appliance | Please make sure the IR Blaster is within 10 meters from the target appliance, or install another zigbee IR Blaster near the target appliance. |
| | The infrared signal is blocked by obstacles | Move obstacles away between IR Blaster and target appliance. |
| | The infrared database is corrupted or the IR Blaster has just executed a factory reset | Use mobile app to reconfiguration the IR Blaster library |

Zigbee Temperature & Humidity Sensor



Ref: 1811682
EN User guide
CN 用户指南

somfy

1. SAFETY AND IMPORTANT INFORMATION

Read this user guide carefully before installing and using the Somfy Zigbee Temperature & Humidity Sensor.

This user guide describes the installation, commissioning and use of the products.

Before beginning installation, make sure that the Somfy Zigbee Temperature & Humidity Sensor is compatible with the equipment and associated accessories.

Any incorrect use will invalidate the warranty and Somfy's liability.

⚠ CAUTION

- This product is designed for indoor use only.
- Always keep this product dry.
- To prevent fire or shock hazard: Do not expose the product to excessive heat by heating equipment or direct sunlight.
- No naked flame sources, such as lighted candles, should be placed nearby the product.
- Do not allow your product to be submerged in water.
- This product shall not be exposed to dripping or splashing.
- To clean the product, use a soft cloth with plain water to swipe. Do not use cleansing agents containing alcohol, spirits, ammonia or abrasives as they may harm the product.
- Do not disassemble the product.
- Do not operate the product in a place where temperature is below -10°C or above 45°C.
- Do not allow the children to access the product during the installation.
- Replace the new battery to the correct (+) & (-) polarity as shown in the battery compartment.
- Dispose the used battery in a proper place where the children cannot access, swallowing the battery will lead to the injury OR death of the children.
- Remove the battery and safe keeping if you don't use this product for a long time.
- Batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.

2. PACKAGE CONTENT

1. Temperature & Humidity Sensor x 1
2. Bracket x 1
3. 3M tape x 1
4. CR2032 x 2 (3V dc)
5. User guide x 1 (Simplified Chinese + English)

3. PRODUCT DESCRIPTION

Somfy Zigbee Temperature & Humidity Sensor is designed for use with scenes in home automation systems under Zigbee 3.0 protocols, the Temperature & Humidity Sensor lets you know the ambient temperature and humidity to trigger different actions to make you more comfort.

This device is compatible with SOMFY gateway (i.e. TaHoma Bee) or devices for remote control & interoperation.

Before the installation, please read the below note:

Temperature & Humidity sensor is sensitive to surrounding environmental conditions. Proper placement of the sensor is critical to the accuracy and performance of this product.

1. To ensure accurate temperature measurement, place sensor out of direct sunlight and away from any heat source.
2. To maximize wireless range, place sensor away from large metallic items, thick walls, metal surface, or other objects that may limit wireless communication.

4. INSTALLATION

Step 1:

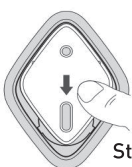
Remove the bracket from the Temperature & Humidity Sensor.

Step 2:

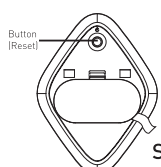
At first time to install the product, please remove the plastic tab from the battery compartment to allow the connection to the terminal.

Step 3:

Temperature & Humidity Sensor will be in pairing status when power turns on at the first time. This will cause a LED indicator to flash once per second. The LED indicator will stop flashing and keep on 10 seconds to confirm a successful pairing.



Step 1



Step 2



Step 3

* Step 4a: (Mounted by screws)

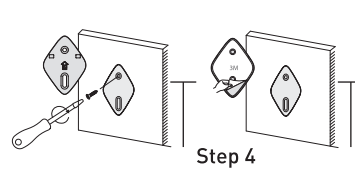
Drill the hole on the desired location then mounted the bracket by screws.

* Step 4b: (Mounted by 3M adhesive tape)

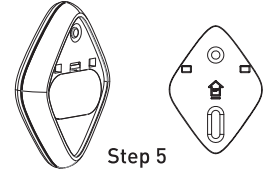
Seal off the 3M adhesive tape on the bracket then stick it at the desired location.

Step 5:

Fix the Temperature & Humidity Sensor on the bracket from up to down as illustrated below. Then the installation finish.



Step 4



Step 5

5. USE YOUR PRODUCT

1. Reset:

After powered ON the Sensor, press & hold the key for 3 seconds to reset the sensor, LED indicator will blink quickly (100ms on, 100ms off). Once release the key, the sensor will reset to factory fresh setting and the signal light blinks once per second to search a new enabled Zigbee network.

Reset procedure deletes memory, including all information on the Zigbee network and the gateway.

The Sensor will be under pairing mode & the App or gateway could pair at instant.

2. LED indicator:

After the sensor is reset to the factory fresh setting, the signal light blinks once per second and sensor starts searching an enabled Zigbee network. If sensor enrolled successfully, it will stop blinking and stay on for 10 seconds then turn off; If no available networks were found within 3 minutes, sensor will stop blinking and turn off.

Tip

When initially setting up the Temperature and Humidity Sensor, it is recommended to perform the setup task within 15 feet (4.5 meters) of the Zigbee Router.

Pairing to Gateway (Scan QR code)

1. Set the gateway (i.e. TaHoma Bee) in device pairing mode.
[Configuration -> Add -> Zigbee device]
2. Scan the QR Code on the product label.
3. Check the icon of "Temperature and Humidity Sensor" exists in the App.
4. Follow the instructions to join the Network.

Alert Low Voltage status to replace the battery

The detector inside the Motion Detector will send the signal to alert the gateway while in low battery status. Replace the battery timely on low battery warning to ensure the detector works properly. To replace the battery, open the battery compartment and install the new battery into the sensor.

6. TECHNICAL SPECIFICATION

| | |
|------------------------|--|
| Model | 1811682 |
| Power Supply | 3V dc, CR2032 x 2 |
| Product Package | Temperature & Humidity Sensor x 1 |
| Temperature Detection | 0°C to 45°C ±1°C |
| Temperature Resolution | 0.1°C |
| Humidity Detection | 0 to 85% ±6% |
| Humidity Resolution | 1% |
| Mounting Method | Screws or 3M Tape |
| RF Protocol | Zigbee 3.0 |
| Radio Frequency | 2.4GHz |
| Maximum RF Power | <10dBm |
| RF distance | 40 meters * RF distance would be affected by specific material, such as mirror, metal, or high power electronic devices |
| Battery Life | ~ 2 years (Determined under 4 times per day) * Subject to change for the use frequency |
| Low Battery Detection | Support to send the "Low Battery" status to the Gateway |
| Operating Temperature | -10°C - 45°C |
| Relative Humidity | 10% - 85% |
| Dimensions | 84.4mm x 63.4mm x 26.3mm |
| Weight | ~ 30g |

7. TROUBLESHOOTING

| Problem | Possible Causes | Solutions |
|--|-------------------------------------|--|
| Can't turn on the sensor | Out of battery | Please replace the new battery per the instruction |
| Pairing failed | Network settings are incorrect | Check the gateway setting |
| Can't operate the device through the App | Mobile can't connect to the gateway | Check the wireless setting in the mobile |