

# Eva

Operating instructions

Gebrauchsanweisung

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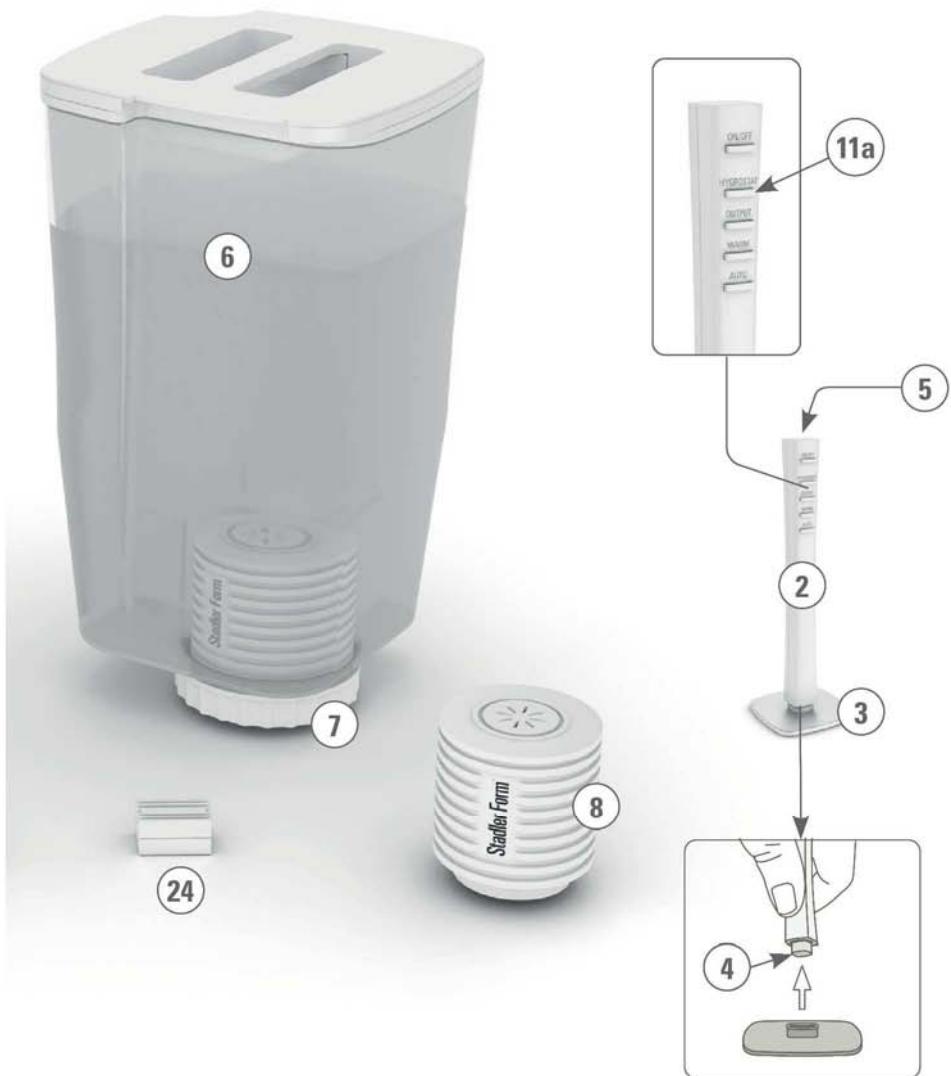
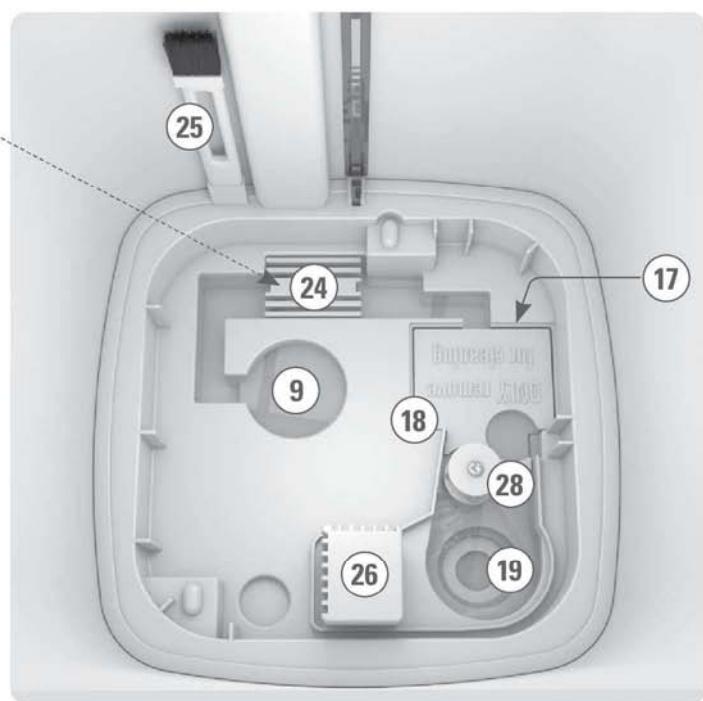


Stadler Form®

# Eva



## Water Cube





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Congratulations! You have just acquired the exceptional EVA air humidifier. It will give you great pleasure and improve the indoor air for you.

As with all domestic electrical appliances, particular care is also needed with this model in order to avoid injury, fire damage or damage to the appliance. Please study these operating instructions carefully before using this appliance for the first time and follow the safety advice on the appliance itself.

### Description of the appliance

The appliance consists of the following main components:

1. Mains cable for power supply
2. Remote Sensor™ humidity sensor with remote control
3. Stand for Remote Sensor™
4. Battery compartment of Remote Sensor™ (Type AAA)
5. Position of the humidity sensor
6. Water tank with carrying handle
7. Water tank lid with anticalc cartridge
8. Anticalc cartridge
9. Water tray
10. On/off button
11. Button for the selection of the desired humidity  
(hygrostat: 30–75 % and continuous operation "CO")
12. Button for the selection of the humidification output level 1–5
13. Button for warm mode (water pre-heating)
14. Button for auto mode
15. Display with the indication for the current and desired (blinking) humidity
16. Water level indicator
17. Heating plate for water pre-heating
18. Cover for the heating plate
19. Ultrasonic membrane
20. Fragrance container
21. Button for night mode / cleaning mode / WiFi
22. Symbol for a failed connection between Remote Sensor™ and humidifier
23. Mist chamber
24. Water Cube™
25. Cleaning brush
26. Air outlet opening (Caution: no water may enter this opening!)
27. Mist outlet
28. Floating switch

### Important Safety Instructions

Please read through the operating instructions carefully before you use the appliance for the first time and keep them safely for later reference; if necessary pass them on to the next owner.

- Stadler Form refuses all liability for loss or damage which arises as a result of failure to follow these operating instructions.
- The appliance is only to be used in the home for the purposes described in these instructions. Unauthorised use and technical modifications to the appliance can lead to danger to life and health.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of

experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

- Only connect the cable to alternating current. Observe the voltage information given on the appliance.
- Do not use damaged extension cords.
- Do not run the power cord over sharp edges and make sure that it does not get trapped.
- Do not pull the plug from the socket with wet hands or by holding on to the power cord.
- Do not use the appliance in immediate vicinity of a bath tub, a shower or a swimming pool (observe a minimum distance of 3 m). Place the appliance such that a person in the bath tub cannot touch the appliance.
- Do not place the appliance near a heat source. Do not subject the power cord to direct heat (such as a heated hotplate, open flames, hot iron sole plates or heaters for example). Protect power cords from oil.
- See to it that the appliance is properly positioned to ensure a high stability during its operation and make sure that no one can trip over the power cord.
- The appliance is not splash-proof.
- For indoor use only.
- Do not store the appliance outdoors.
- Store the appliance in a dry place inaccessible to children (pack the appliance).
- If the power cord is damaged, it must be replaced by the manufacturer or a repair shop authorized by the manufacturer or by similarly qualified persons in order to avoid a hazard. Shielded cables must be used with this unit to ensure compliance with the Class B FCC limits.
- Prior to any maintenance, cleaning and after each use, switch off the appliance and unplug the mains cable from the socket.
- Prior to cleaning the interior of the appliance, make sure the appliance has been off for at least 15 minutes!
- When the pre-heating is turned on, the water inside the appliance is heated: the water in the water tray (9) and the heating plate (17) become hot. Avoid touching the water and the heating plate!
- Place the appliance out of reach of children, as the water inside the appliance is heated up to 50 °C and the heating plate reaches hot temperatures up to 75 °C.
- Please operate the unit with cold water only (below 25 °C).
- Make sure that the appliance is placed on a surface that is not sensitive to moisture (avoid parquet flooring or delicate carpets). Moisture may form in the immediate vicinity of the humidifier.

### **Before setup: Anticalc cartridge and water hardness**

The anticalc cartridge reduces the limescale in the water and the undesirable emission of limescale particles into the surroundings. Effective for one to three months, depending on water hardness (see table).

**Important:** Soak the anticalc cartridge in a water bath for 24 hours before the first use (not in the water tank!). The resin has to absorb water to reach high performance.

The period of time that the cartridge is effective for depends on the hardness of the water. This can be tested using the testing strips provided (testing strip stuck to the Quick Setup Guide).

1. Dip the testing strips into the water for a second.
2. After around one minute the results can be seen on the test strip.

Some of the green fields change colour into pink. The water hardness is shown by how many boxes turn pink. Example: If three are pink, then the water hardness is >14 °dH.

Number of pink boxes

|     | Water hardness  | Degree of hardness (°dH) | Cartridge will last for (with 4 liter/day) |              |
|-----|-----------------|--------------------------|--|--------------|
|     |                 |                          | Days                                       | Liter        |
| 0/1 | Soft            | From 4 °dH               | 90 days                                    | approx. 360L |
| 2   | Moderately hard | From 7 °dH               | 45 days                                    | approx. 180L |
| 3   | Hard            | From 14 °dH              | 30 days                                    | approx. 120L |
| 4   | Very hard       | From 21 °dH              | 15 days                                    | approx. 60L  |

With a water hardness above 21 °dH, we can no longer recommend the use of an ultrasonic humidifier. We recommend that you use an evaporative humidifier to increase the humidity in your house (e.g. an Oskar humidifier made by Stadler Form: [www.stadlerform.com/Oskar](http://www.stadlerform.com/Oskar)).

**Note:** Do not operate Eva with decalcified water out of a decalcification system that uses the principle of an ion exchanger (salt is added to the water). The salt contained in the water may lead to white dust accumulation around the appliance. To minimize this risk, you can operate Eva using a mix of distilled and tap water. However, Eva may be operated from a drinking water filter system (e.g. Brita). Should you be unsure about the quality or composition of the water in your area, contact the caretaker or your drinking water provider. **Warning:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## Setting up / operation

1.Put Eva in the desired location on a flat surface. The mist reaches a height of up to 1.4 m thanks to the high-performance humidification (output level 5, warm mode on). This makes it possible to place Eva directly on the floor. Connect the power cord (1) to a suitable socket.

2.Take the Remote Sensor™ (2), the stand (3) and the two batteries out of the packaging. Open the battery compartment (4) on the underside of the Remote Sensor™ (2) by turning the lid anticlockwise. Insert the two batteries into the battery compartment (4), as shown on page 4, and close the lid again. Now place the Remote Sensor™ (2) on the stand (3).

3.On the one hand, the Remote Sensor™ (2) is a humidity sensor and guarantees precise humidification by its external position. On the other hand, the Remote Sensor™ (2) also serves as a remote control. Position the humidity sensor Remote Sensor™ (2) in the centre of the room on a table or a sideboard with an optimal distance from Eva between 3–5 m. The Remote Sensor™ should be positioned centrally in the room so that the room air can flow past the sensor (5) as freely as possible. If this is not possible, we recommend positioning the Remote Sensor™ with a

minimum distance of 30 cm from the wall and a minimum distance of 2 m from windows and ventilation openings.

4. Remove the water tank (6) by holding it by the handle and pulling it up. Screw off the water tank lid (7) and fill the water tank with clean, cold tap water up to the maximum mark. Make sure that the anticalc cartridge (8) has been soaked in water for 24 hours prior (see "Before setup"). Finally, screw the lid (7) back on the water tank (6). Then place the water tank (6) in the unit. The water tray (9) will now slowly fill from the water tank. Important: please do not move the appliance when it is filled with water. The water could run into the electronics.
5. Press the on/off button (10) to switch Eva on. The current relative humidity in % is shown on the display (15). If the water level indicator light (16) is red, there is too little water in the unit. The humidification output level is pre-set to level 3 and the desired humidity at 45 %.
6. Activate the Remote Sensor™ (2) by pressing the "Hygrostat" button (11a). The humidity sensor automatically sends information about the measured relative humidity several times per minute to the unit, which shows it on the display (15). The measurement can also be activated by pressing any button on the Remote Sensor™ (2) (aside from the on/off button (10)).
7. The desired humidity can be changed by pressing the "Hygrostat" button (11) several times (30 – 75 % and continuous operation "CO"). The symbol on the display (15) blinks during input. After a few seconds without input, the selected value is saved. The symbol changes to the current measured humidity.  
Info: Once the desired air humidity is reached, the appliance stops and the display blinks. Should the measured current air humidity fall below the set value, the appliance begins to humidify again.
8. The humidification performance can be changed by pressing the "Output" button (12) several times (levels 1 – 5). The level is indicated on the display (15) by horizontal bars (e.g. 1 bar = level 1).
9. By pressing the "Warm" button (13), the warm mode, and with it the water pre-heating, is turned on. Now the LED on the "Warm" button on the unit is on. The heating plate (17) warms the water before it is turned to mist by the ultrasonic membrane (19). The warm mode creates a pleasantly warm mist plus increases the humidification performance.
10. By pressing the "Auto" button (14), the auto mode, and with it the Adaptive Humidity™ Technology, is activated. Now the LED on the "Auto" button on the unit is on. In auto mode, the unit adapts the humidification output level automatically in order to reach and maintain the desired humidity of 45 % quietly and in an energy-efficient way. The lower the current humidity is, the higher the humidification output level will automatically be set (under 33 % = level 4, from 34 % – 37 % = level 3, from 38 % – 41 % = level 2, from 42 % – 45 % = level 1). You can change the desired humidity in auto mode by pressing the "Hygrostat" button (11) several times while auto mode is active (the LED on the "Auto" button on the unit is on). The humidification output level (12) cannot be altered manually in auto mode. As soon as the "Output" button (12) is pressed to change the humidification output level, the auto mode is deactivated.
11. You can use Eva to disperse fragrances in the room. Be extremely sparing with fragrances because an excessive dosage can result in the malfunctioning of, and damage to, the appliance. In order to use fragrances,

briefly press and release the fragrance container (20) and pull it out of the appliance. Let the fragrance drip directly onto the cotton pad in the fragrance container (20). Add a **maximum of 1–2 drops** of fragrance into the fragrance container! Push the container back again and press and release it to lock it. Tip: in order to change the fragrance, remove the cotton pad and clean the container with soap. Now you may insert a new cotton pad (commercially available) and add drops of the desired fragrance.

12. If the water level indicator (16) changes to red, the water must be refilled. Remove the water tank (6) and fill it with clean, cold tap water up to the maximum mark. Replace the water tank and press the on/off button (10). The appliance will resume operation after a few seconds. The water tank can also be refilled during operation.
13. If you find the lamps too bright (in a bedroom, for example), you may reduce the light intensity by pressing the night mode key (21):
  - Normal mode (default mode)
  - Dimmed mode (push once)
  - Lights-out mode (push twice)
  - By pushing the dimmer button once more, you can go back into normal mode.If there is no water in the appliance, the red water level symbol (16) lights up in all modes. The red light cannot be dimmed.
14. If two dots are shown (22) on the display (15), Eva cannot establish a radio connection to the Remote Sensor™ (2). Eva still functions thanks to a humidity sensor within the appliance. Press any button on the Remote Sensor™ (2) to activate it. Make sure that the Remote Sensor™ (2) is within a 10 m radius of Eva. Walls, doors and floors between Eva and the Remote Sensor™ (2) can disrupt the radio connection. The Remote Sensor™ (2) should be optimally positioned at a distance between 3–5 m from Eva and on an elevated surface in the middle of the room (see «Setup/operation» No. 3). The two dots on the display (22) could also indicate that the batteries in the Remote Sensor™ (2) need replacing (see «Setup/operation» No. 2).
15. Press the button for night mode (21) for 5 seconds to connect Eva to the "Smart Life – Smart Living" app from Tuya Inc. (available from the App Store and via Google Play) on your smartphone. The flashing water level indicator (16) shows that WiFi is switched on. You can control all the functions of the appliance via the app and monitor the air quality in real time, even when you are not at home. For more detailed information on how to connect your Eva to your smartphone, see the enclosed "WiFi – Quick Setup Guide"

**Note:** Should you see droplets (or other signs of dampness) on or around the unit, this condensed water is from the humidifier. This means that the air can no longer absorb the moisture from the humidifier. Please activate the auto mode with a desired humidity of 45 %. Water droplets should then stop forming.

## Cleaning

Prior to any maintenance, cleaning and after each use, switch off the appliance and unplug the mains cable (1) from the socket.

**Attention:** Never submerge the appliance in water (danger of short-circuit).

If pre-heating is turned on (the warm mode LED is on (13)), the water inside the appliance is heated: the water in the water tray (9) and the heating plate (17) become hot. Avoid touching the water and the heating plate!

For hygienic reasons and to ensure proper operation, we recommend the following cleaning intervals.

- **Daily:** Fill the water tank (6) with fresh, cold tap water. If the appliance is not used for several days, empty the water from the water tray (9) beforehand and if necessary, clean it with a bit of dish detergent and a clean cloth. Fill fresh water into the water tank (6), before putting the appliance back into operation.
- **Every 2 weeks:** First remove the water tank (6), the mist chamber (23), the cover (18) and the Water Cube™ (24). Clean the inside of the water tray (9) thoroughly with a bit of dish detergent, warm water and a soft, clean cloth, sponge or brush. Use diluted descaling agent (mix according to the manufacturer's instructions) for lime deposits. Then rinse the water tray (9) thoroughly with cold water and put the water tank, cover (18), mist chamber (23) the Water Cube back in.
- **Run the cleaning mode at least once per month.** The appliance must be off for at least 15 minutes prior to internal cleaning! Then remove the water tank (6), the mist chamber (23), the cover (18), the Water Cube (24) and the fragrance container (20). Fill a cup with 200ml of tap water mixed with descaling agent (mix according to the manufacturer's instructions). Pour the liquid carefully into the water tray (9) by holding the cup directly over the water tray (see page 5). Do not pour the liquid into the water tray from high above the tray! Be sure that no liquid enters the air outlet opening (26). This will damage the appliance and will void any claim to the warranty.
- To start the cleaning mode, the mains cable must be connected to a socket. Press and hold the night mode button (21) on the underside of the right corner for 5 seconds to activate the cleaning mode. Now the water level symbol (16) on the appliance will blink red. The cleaning mode runs for around 5 minutes and automatically turns off afterwards (the water level symbol stops blinking).
- Check in the water tray (9) if the limescale on the ultrasonic membrane (19) and the heating plate (17) has dissolved. Attention: the water and the heating plate are hot, risk of scalding!
- If limescale residue remains, the ultrasonic membrane (19) and the heating plate (17) can be cleaned with the help of the cleaning brush (25) (front- and backside). Do not try to scrape them with a hard object.
- For stubborn limescale, we recommend descaling the appliance by running the cleaning mode (21) several times in a row. Leave the descaling agent in the water tray for a maximum of 20 minutes and pour it out afterwards as described below.
- **Important:** Pour the descaling agent out over the left front corner of the appliance (see the arrow on the appliance). No water may enter the air outlet opening (26). This will damage the appliance and will void any claim to the warranty.
- To rinse, now fill the cup with 200ml of tap water and carefully pour the liquid into the water tray (9) by holding the cup directly over the water tray (see page 5). Do not pour the liquid into the water tray from high above the tray! Pour the water out over the left front corner of the appliance.

Repeat the process until there is no more descaling agent in the water tray (9). Place the Water Cube (24), cover (18), mist chamber (23), water tank (6) and fragrance container (20) back into the appliance. If the water tank is not sitting right, check if the upper part of the mist chamber (23) is properly mounted.

- **Regularly as required:** For external cleaning, rub with a damp cloth and then dry thoroughly.
- **At the end of the season:** Before putting away the appliance at the end of the season, run the cleaning mode as described above. Then clean it thoroughly inside and out and let it dry completely. Insert a new Water Cube (24) in order for your appliance to be ready for the start of the next season.

### **Replacement of the anticalc cartridge**

- Please find the recommended replacement interval in the table (see "Before setup").
- Tip: the efficiency of the cartridge (8) can be inspected with a simple test. Hold a small mirror in the mist (27) for a few seconds. If white deposits (calcium carbonate) appear on the mirror, then the cartridge needs changing.
- The anticalc cartridge is located on the inner side of the tank lid (7). First, screw the tank lid (7) off the water tank (6) and then screw the cartridge off the tank lid. Dispose of the cartridge in the domestic waste (8). Prior to screwing the new anticalc cartridge into the inside of the tank lid, soak it in water (not in the water tank!) for 24 hours.
- Keep the tank lid (7) when replacing the cartridge!

### **Water Cube™ – optimal hygiene for your air humidifier**

The Water Cube™ (24) by Stadler Form provides optimal hygiene in your air humidifier. It keeps your humidifier running smoothly, extending its lifespan. The Water Cube even works when your appliance is switched off, so the humidifier stays fresh all season long. We recommend replacing the Water Cube at the start of the humidifier season.

### **Repairs**

- Repairs to electrical appliances must only be carried out by a qualified electrical technician. If improper repairs are carried out, the warranty lapses and all liability is refused.
- Never operate the appliance if the adaptor or plug is damaged, after it has malfunctioned, if it has been dropped or has been damaged in any other way (cracks/breaks in the casing).
- Do not push any object into the appliance.
- If the appliance is beyond repair, make it unusable immediately by cutting through the cable and hand it in at the collection point provided for the purpose.
- In the event of a repair, the following points must be observed before the appliance is shipped or taken to the dealer: completely empty the water in the appliance (water tray and any water tank), remove any filters and/or anti-limescale cartridges and allow the appliance to dry completely. Appliances containing residual water may be damaged during transport, invalidating the warranty.

## Disposal

The European directive 2012 / 19 / CE on Waste Electrical and Electronic Equipment (WEEE), requires that old household electrical appliances must not be disposed in the normal unsorted municipal waste stream. Old appliances must be collected separately in order to optimize the recovery and recycling of the materials they contain and reduce the impact on human health and the environment. The crossed out "wheeled bin" symbol on the product reminds you of your obligation, that when you dispose of the appliance it must be separately collected. Consumers should contact their local authority or retailer for information concerning the correct disposal of their old appliance.



## Specifications

|                     |  |
|---------------------|--|
| Rated voltage       | 120V / 60 Hz                                   |
| Rated power         | 10–95 W  |
| Humidity output     | up to 550 g/h                                  |
| Room size (up to)   | 80 m <sup>2</sup> / 200 m <sup>3</sup>         |
| Dimensions          | 196 x 418 x 196 mm<br>(width x height x depth) |
| Weight              | 3.3 kg   |
| Water tank capacity | 6.3 litres                                     |
| Sound level         | 26–34 dB(A)                                    |
| Regulations         | cETL   |

This device contains a radio module from Stadler Form Aktiengesellschaft type: WBR3. It operates in the ISM band in the range 2.400 – 2.4835 GHz with a maximum transmitted power 20 dBm.

## All rights for any technical modifications are reserved

Note: 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:

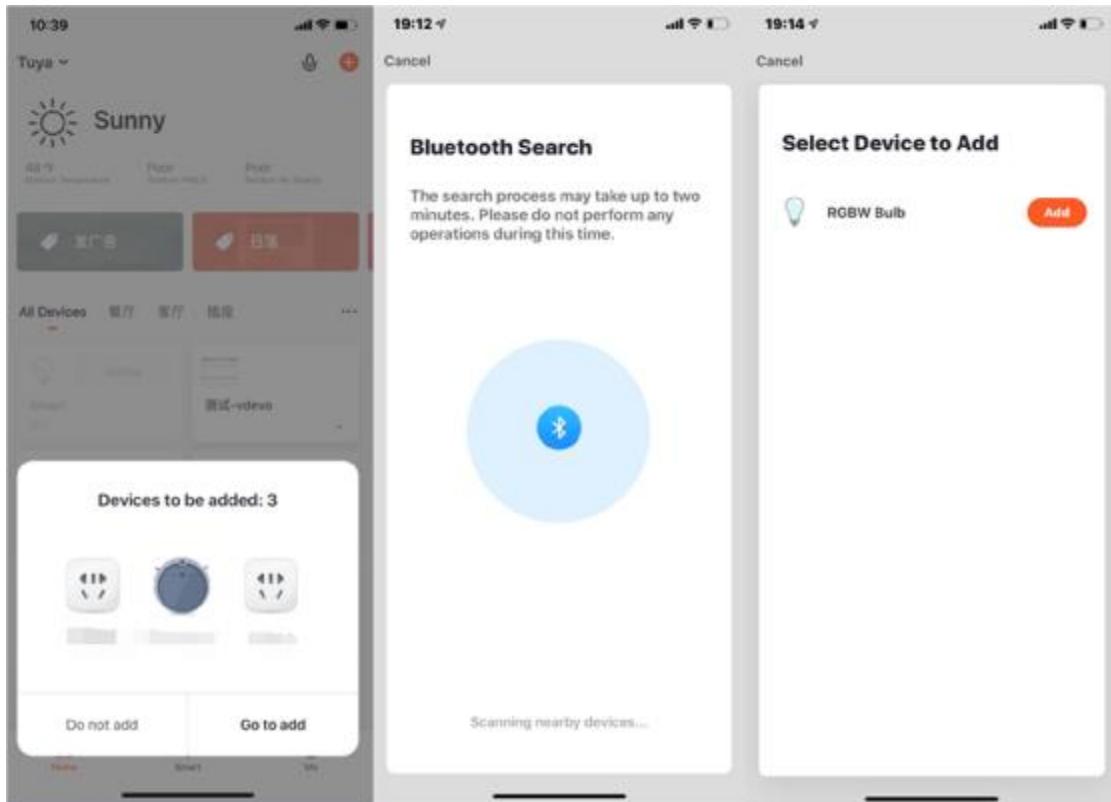
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF exposure guidelines, the distance must be at least 20cm between the radiator and your body, and fully supported by the operating and installation configurations of the transmitter and its antenna(s).

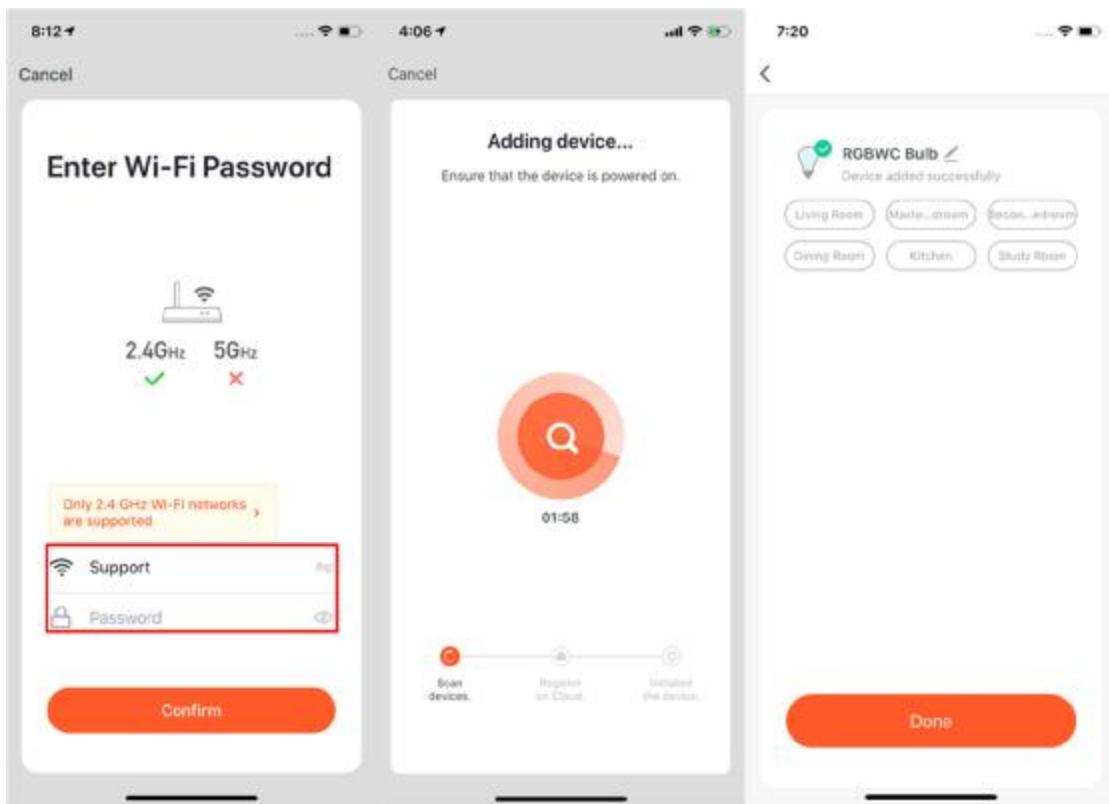


## Manually add Wi-Fi+Bluetooth dual-mode devices

1. If you use a Wi-Fi+Bluetooth dual-mode product, power on the device first. Then, enable Bluetooth on your mobile phone and open the app. Bluetooth and Wi-Fi+Bluetooth dual-mode devices that are ready for pairing will be displayed.

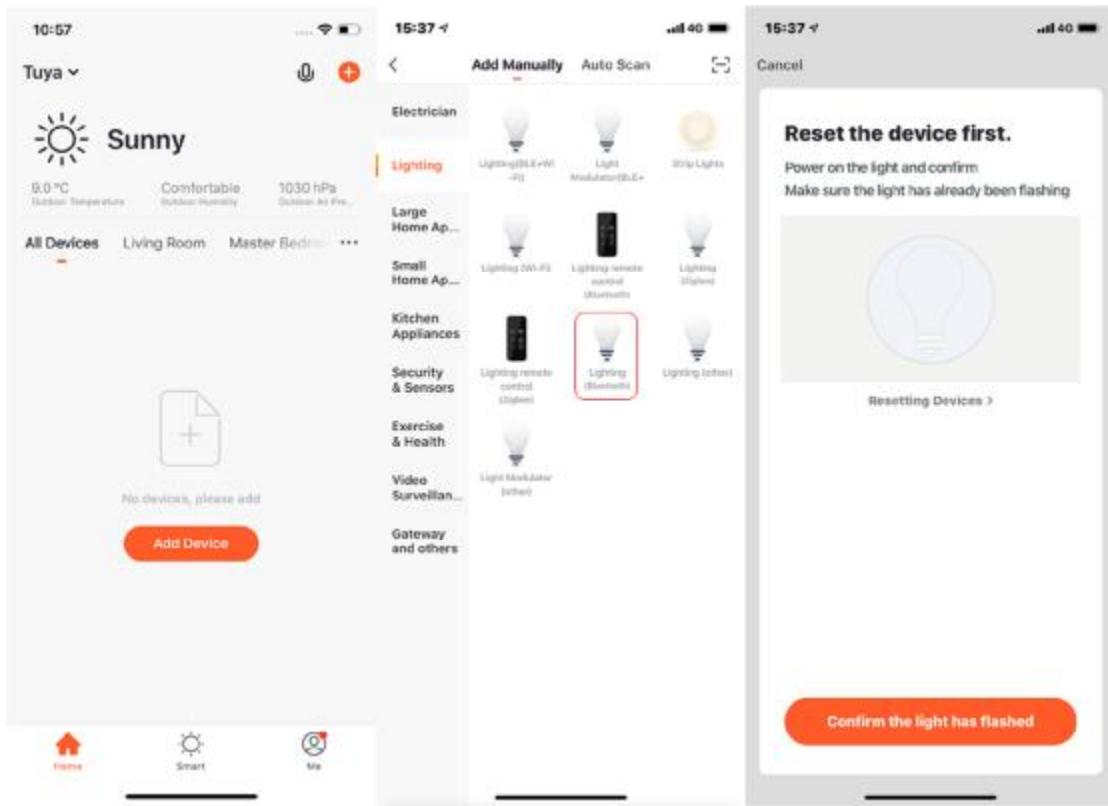


2. Select the device to be added. On the Wi-Fi setting page, enter the password for connecting to the 2.4 GHz Wi-Fi network. Wait for the device to automatically complete pairing.



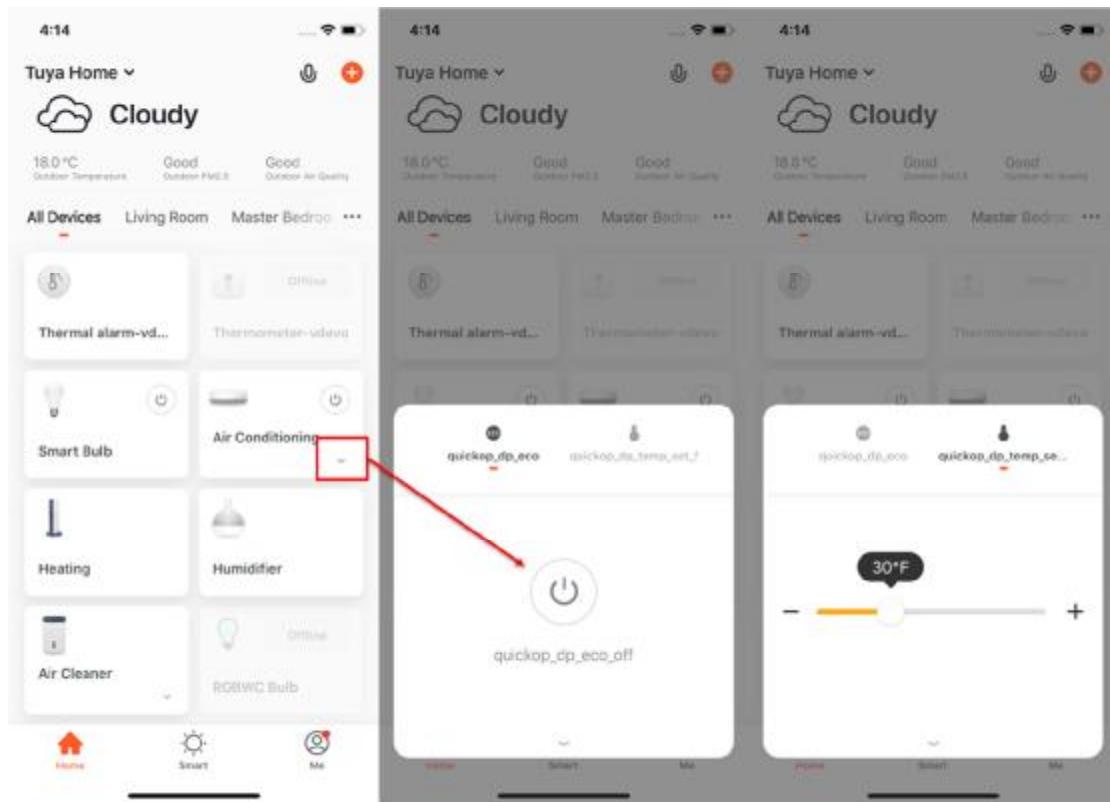
3. For a Wi-Fi+Bluetooth dual-mode device, you can also perform the following steps to add the device by using Bluetooth.

On the Add Manually tab, select a device type that supports Bluetooth pairing. On the page that appears, follow the detailed tutorial in the app to enable the indicator to blink quickly, select **Confirm the light has flashed or breathed**, and tap **Next**.



4. After the app detects the device, tap **Add**. After the device is added, tap **Done**.

- When the devices are displayed in grid view, tap the small arrow in the bottom right corner of a device to access the extension functions of the device. For example, you can tap the switch icon to turn on or turn off the humidifier or drag the slider to adjust the humidity.



When the devices are displayed in list view, tap the **Common Functions** button under the device name to quickly control the device.