



Note: If there is any technical improvement in the product, we will make a new version of the manual without notice. The product appearance and color may vary according to different version, please refer to the actual product received.

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AHOPE GARDEN

60 PODS INTELLIGENT PLANTER

Z210



USER MANUAL

Please read, understand and follow this user manual before use, then keep it for future reference.





- It is recommended to grow seasonal plants.
Seeds of non-seasonal plants may not sprout in the environment warmer than 25°C / 77°F.
- It is recommended to keep plants 10cm away from light tubes, so that the plants won't be scorched and can grow better.
- It is recommended to set smart socket **ON-16 hours, OFF-8 hours**, so that the plants can grow better.
- Plants like fresh water. After you added water for 3 times, salt will accumulate in the water tank, which may cause root rotting, you need to empty the water out of the tank and refill with fresh water and then add nutrients.

If you have any questions, please contact us: <https://ahopegarden.com>



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IMPORTANT SAFETY INSTRUCTIONS

- This device is not intended for use by persons(including children) with reduced physical, sensory or mental capabilities, unless they have been given supervision or instructions concerning use of the device by a person responsible for their safety.
- Children should be supervised to ensure they do not play with the device.
- To reduce the risk of electric shock, only use the power adapter we provided.
- Never use the planter if any parts get damaged, especially the cord or plug.
- If the planter is broken, please do not touch any inner part to avoid electric shock.
- Keep the electrical cord away from any heated surfaces.
- Do not allow water to contact hot LED grow lights.
- Do not pull the cord when unplugging the adapter. Do not plug or unplug carelessly.
- Do not attempt to repair the device yourself. If the device is malfunctioning, please contact us directly.
- Do not use the device outdoors.

NOTE:



We have no liability or responsibility for fires or electric shocks caused by improper operation or not adhering to above safety instructions.

WHAT'S INCLUDED



Large Water Tank x1



Small Water Tank x1



Grow Deck x4



Light Power Cable x1



Long Light Cable x1



Short Light Cable x2



Pump Power Adapter x1



U-shaped Support Pole x2



Light Tube x4



PVC Down Pipe x1























Straight Support Pole x4



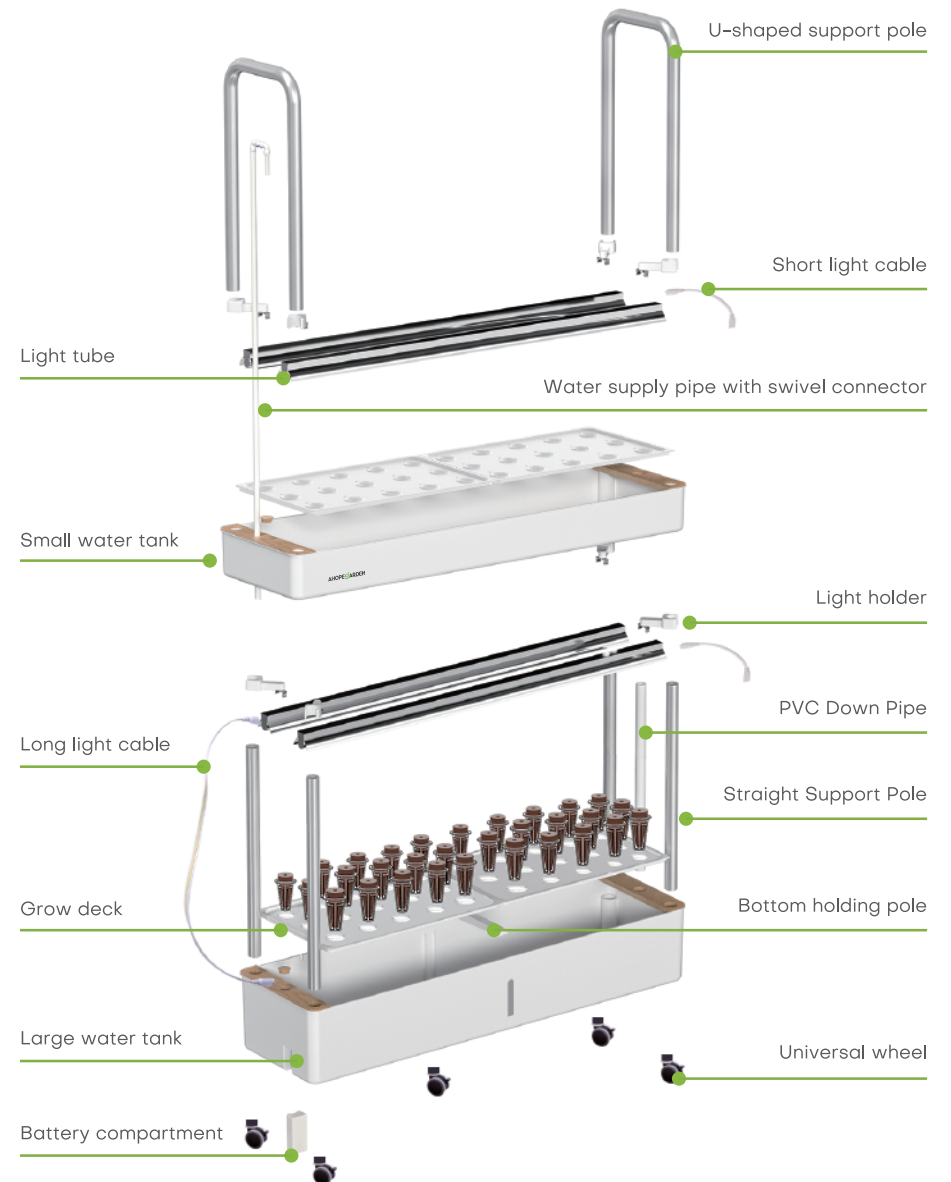
Bottom Holding Pole x2



Water Supply Pipe With Swivel Connector x1

-  Universal Wheel x5
-  Cover x32
-  Basket x64
-  Silicone Plug x1
-  Sticker x10
-  Light Tube Stopper x1
-  Smart Socket x1
-  Battery Compartment x 1
-  2L Measuring Cup x1
-  Fertilizer A&B x 1
-  100ml Measuring Cup x 1
-  Supplement Fertilizer A&B x 5
-  Light Holder x8
-  Grow Dome x64
-  Sponge x64
-  Light Cable Clip x3
-  Spanner x1
-  Tag x15
-  Tweezers x1
-  Label Sticker x 60

PRODUCT DIAGRAM



INSTALLATION INSTRUCTIONS

01



Install universal wheel at the bottom of large water tank.

02



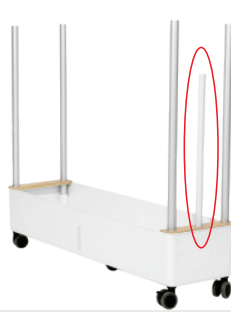
Insert 2 AA batteries into battery compartment and place the battery compartment back into the side hole of large tank.

03



Assemble large water tank with one end of straight support poles.

04



Plug one end of PVC down pipe into the top hole of large water tank.

05



Assemble small water tank with the other end of straight support poles.

06



Plug the other end of PVC down pipe into the bottom hole of small water tank.

07



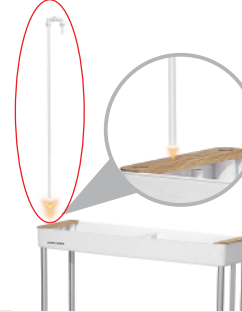
Install U-shaped support poles into the fixing holes on small water tank.

08



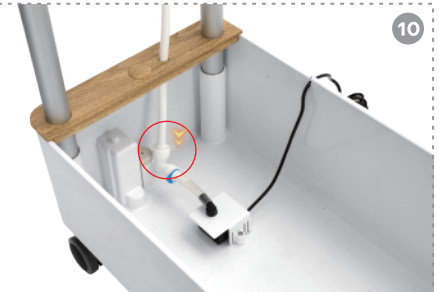
Main frame installation is finished.

09



Make water supply pipe through the hole on small water tank and large water tank sequentially.

10



Plug water supply pipe into pump converter connector.
Note:You need to press and hold the spring sheet on connector when taking out the pipe.

11



Align pipe swivel connector with the hole of water pipe and press down.

12

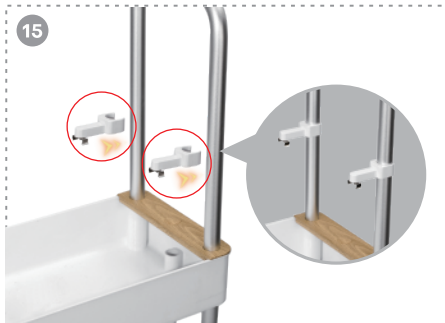




Fix bottom holding poles inside two water tanks separately.



Place grow decks on two water tanks separately.



Install light holders on the support poles.



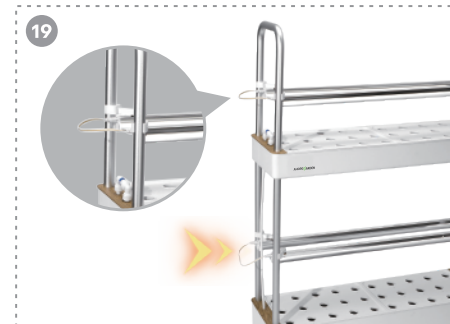
Install upper two light tubes. Press it into light holder.



Install lower two light tubes. Press it into light holder.



Connect upper two light tubes with short light cable.



Connect lower two light tubes with short light cable.



Connect upper and lower light tubes with long light cables.



Cover unused light interface with light tube stopper.



Connect light power cable with light tube and turn it on.

HOW TO PLANT

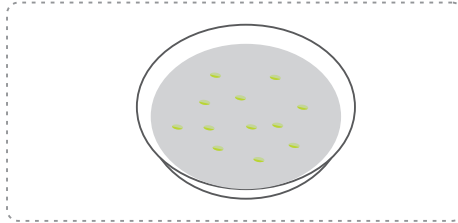
1. Prepare the Seed Pods

IMPORTANT

The growth of plant is affected by temperature, please plant what is suitable for local season to get the best growing result.

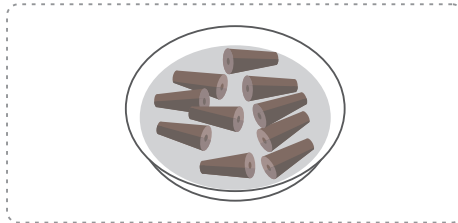
Step 1

If you are going to grow large seeds, such as lettuce, basil, tomato, please soak seeds in water for 6-12 hours before planting.



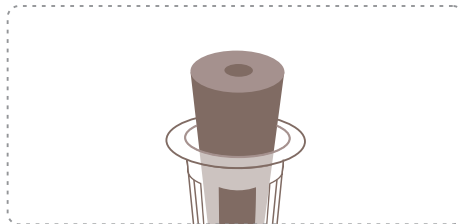
Step 2

Soak the sponges in water till they absorb water thoroughly.



Step 3

Put soaked sponge into the basket.

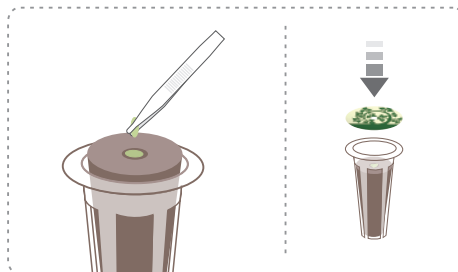


Step 4

Gently place 2 or 3 seeds into the soaked sponge with tweezers. Place the pod label.

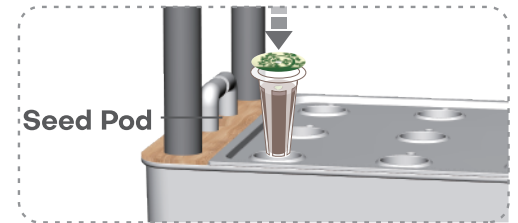
Note:

Pod label helps to prevent the sponge from developing mold/algae.



Step 5

Insert the seed pod into planting opening on the grow deck.

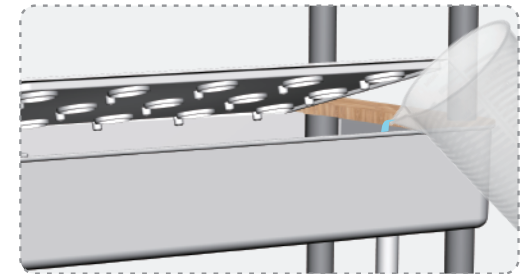


If you are going to grow small seeds, such as mint, petunia, dianthus, you can directly place seeds into soaked sponges with tweezers and drip a small quantity of water on seeds to keep them moist.



2. Add Water

Add 8L water on small water tank.
Add 24L water on large water tank.



Note:

* To prevent mosquito breeding or water evaporation, it is recommended to seal the water inlet and empty planting openings with covers.

* You can observe the water level through transparent window, please add water in time when the water level is lower than 8L mark.



3. Add Grow Domes

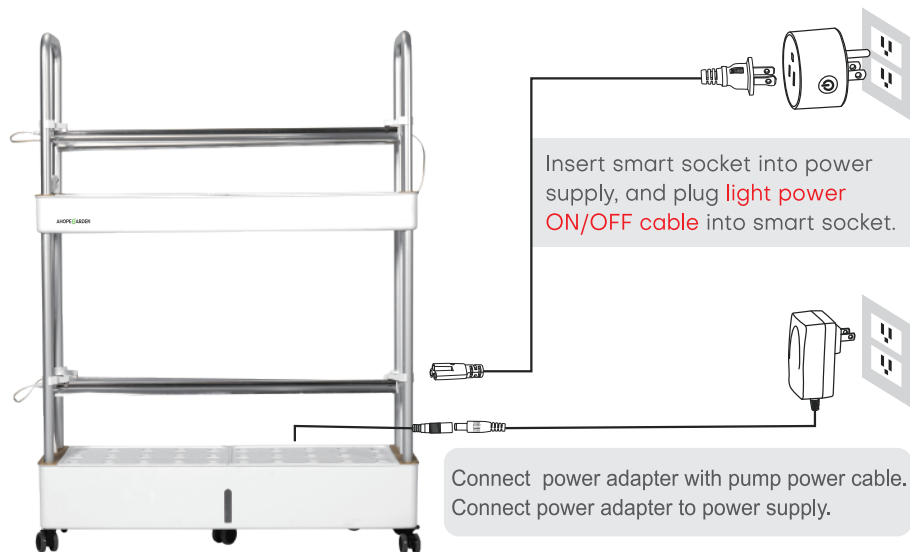
Place one grow dome over each seed pod.



Note:

The grow domes can create a warm and humid environment for seeds to root and help prevent pests invasion.

4. Connect to Power



Notes:

* You may turn on the light before seeds germination; however, it is also a must to keep the light on after seeds germination.

5. Add Nutrients After Seeds Germination

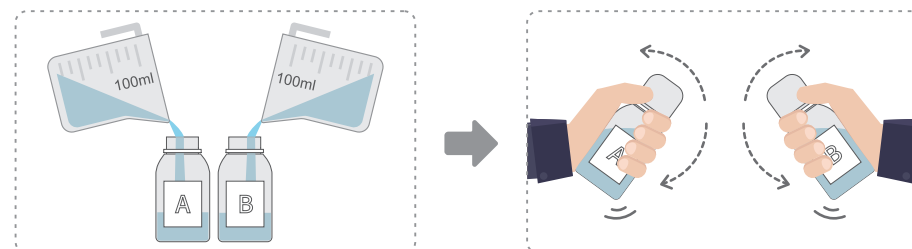
Step 1

After seeds germination, remove the grow domes in time.



Step 2

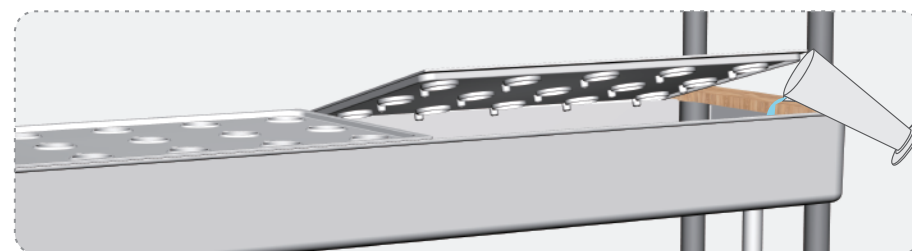
Fill each bottle of fertilizer A and B with 100ml purified water, then shake the bottles until they are mixed well.



Step 3

Pour 100ml nutrient A and 100ml nutrient B into the tank. Make 100ml nutrient A and 100ml nutrient B again with fertilizer refill pack. After that, add 60ml nutrient A and 60ml nutrient B into the tank. (Note: please ensure that you place fertilizer refill into the right bottle, do not mix up them.)

- * Small tank accommodate 8L water, need 40ml nutrient A and 40ml nutrient B
- * Large tank accommodate 24L water, need 120ml nutrient A and 120ml nutrient B



Notes:

- 1 It needs 5ml nutrient A and 5ml nutrient B for each 1L water.
- 2 The water tank can accommodate 32L water in total; therefore, we need 160ml nutrient A and 160ml nutrient B.
- 3 Water/Nutrient refer to the proportion below sheet.

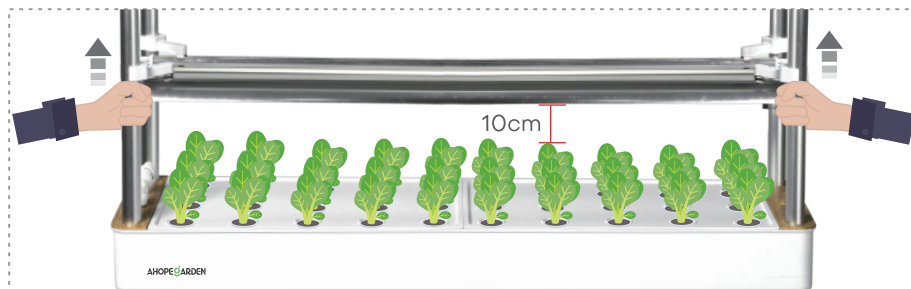
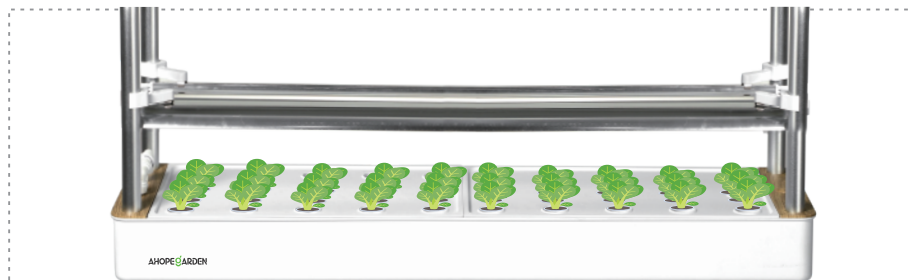
Add Water	Nutrient
1L	5ml A+5ml B
5L	25ml A+25ml B
10L	50ml A+50ml B
...	...
20L	100ml A+100ml B
30L	150ml A+150ml B
32L	160ml A+160ml B

The leaves will turn yellow due to too little or too much nutrients. Please add the appropriate amount of nutrients in time.

Step 4:

Adjust the height of the light tubes when the plants grow up.

Note: It is recommended to keep plants 10cm away from light tubes, so that the plants won't be scorched and can grow better.

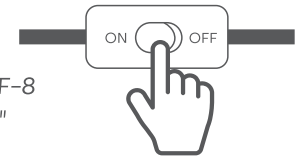


FUNCTION OVERVIEW

Power On/Off

Press power switch to turn the light ON or OFF.

It is recommended to set smart socket ON-16 hours, OFF-8 hours, so that the plants can grow better. Smart socket "Operation On Smart Life App" refer to page 20 ~23.



Water Cycle System

When power on pump, it will work 24H everyday.



Rotate pipe swivel connector to the outer side and switch pump to drain water inside the water tank.

- 1 If you would like to turn off the water pump, please pull out pump power cable.
- 2 To avoid entanglement with the water pump, please prune the root of your plants when it's necessary.
- 3 If there is no water in the water tank, please turn off the water pump and add water in time to ensure there is enough water inside.

SPECIFICATION

Model No.	Z210
Power Input	AC 110~240V
Pump power input	12V ---1500mA
Product Consumption	50W
Noise	< 40dB
Operating Temperature	32°F~113°F (0°C ~45°C)
Package Size	97 x 30 x 40 cm / 38.2 x 11.8 x 15.7 inch
Weight	13kg / 28.66 lb

PLANTING TIPS

Germination

- * Dark environment is more beneficial to seed germination, so you have no need to turn on the grow light during the period of seed germination. Meanwhile, cover the seed with pod label can partly prevent mold breeding.
- * The grow domes can create a warm and humid environment for seeds to root and help prevent pests invasion.
- * Plant growth is affected by temperature. Please ensure that the environment temperature is suitable for your seeds to sprout and grow.

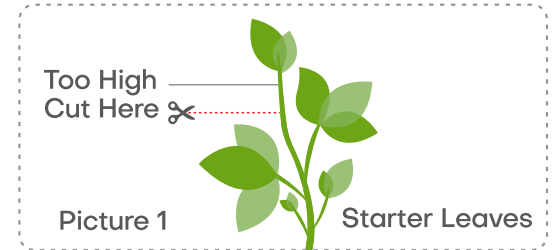
Planting

- * If you plant different types of plants together, remember to prune faster-growing plants from the top.
- * If you find some little bugs, spray your plants with water to wash them off. Make sure you spray under the leaves as bugs usually reside there. For more persistent pests, an insecticidal soap may be used.
- * When plants are about 10cm tall, check each seed pod for multiple plants. Use shears gently snip the smallest plants at the stem, leaving just one healthy plant in each pod.

Pruning

- * Pruning promote health and harvest, and grow beautiful plants. Always try to prune/harvest just above new leaves as shown in the picture.

- * Do not raise the light panel but rather lower the plants. You may achieve more compact and bigger harvest if you prune the plants in time to keep a certain distance between light and all plants.



Harvesting

- * Smaller harvests for the first month or two until the plants get mature and larger harvests are available after that.
- * Harvest frequently to maintain a healthy garden, but take no more than 1/3 of any plant at a time.

Plant Herbs

- * Basil seeds sprout fast and grow rapidly. Harvest basil or any other fast-growing herbs to keep them 10cm below the light panel, and keep the height until all plants are well established.
- * Some herbs, such as chives, thyme, and oregano grow slowly and often get shaded by faster growing plants. Create space for slow-growing plants by pruning surrounding plants.

Plant Salads

- * Salads prefer cool temperatures below 72°F. When growing salads, take care to keep the planter away from sunny windows that might increase the temperature.
- * To harvest, remove whole leaves by cutting the base of leaves with scissors or shears, or by gently pinching off with fingers. Spread your harvest evenly across your planter.

Plant Tomatoes & Peppers

- * Tomatoes should not be mixed with other plants, as they spread out substantially as they grow. Other smaller plants will not get enough light and nutrient to grow well with tomatoes.
- * As your plants grow, it is perfectly normal to see some dead or brown leaves, especially at the lower part of the plant. Remove these leaves with scissors or pinch them off with fingers.
- * Start pollinating your plants regularly once they begin to flower. Gently shake plants from side to side. You may also pollinate by placing a fan in front of the plants.
- * Heavy fruits may cause plants to topple over, support them with wooden skewers or chopsticks.

Plant Flowers

- * When plants are about 5cm tall, check each seed pod for multiple plants. Use shears gently snip the smallest plants at the stem, leaving just no more than 3 plants in each pod.
- * Wilted or dead flowers should be removed often for continued flower production.
- * Many flowers are slow to germinate, and some grow slowly once sprouted. Allow up to 3 weeks for seeds to sprout, and remember to keep the light panel 10cm away from the plants until all plants are well established.

FAQs

Q1. Why do the seeds fail to germinate?

- * It is recommended to grow seasonal plants. Seeds of non-seasonal plants may not sprout in the environment warmer than 25°C / 77°F.
- * Please soak the seeds at least 6 hours to soften the peels. The soaking time may vary according to different seeds.
- * The grow domes can create a warm and humid environment for seeds germination.

Q2. Why do the seeds become moldy during the seeds germination?

- * If the seeds fail to germinate at the appropriate time due to unsuitable temperature, they will rot and become moldy. In this case, it is recommended to replace the seeds with the new ones in time.
- * Moldy is a kind of photophilous algae that grow on the surface of sponge. For reducing the moldy breeding, please cover the seed pod with pod label sticker to shade.

*** The sponge is for single use, you can buy replacement grow sponges in our store.**

Q3. What should I do if the leaves turn yellow?

- * The leaves will turn yellow due to too little or too much nutrients. In this case, please pour out all water and refill the water and A&B nutrients again.

Q4. What should I do if the branches and leaves overgrow?

- * Please separate and keep the space between plants with flourished branches and leaves for better growth. Please prune the extra branches and leaves when necessary.

Q5. Why do some plants only produce flowers but fail to bear fruits?

- * Some plants need to be pollinated during flowering stage. You may use a cotton swab or a brush to gently rub the petals for pollination.

Q6. Should I cut all the plants after the harvest?

- * Harvest frequently to maintain a healthy garden, but take no more than 1/3 of any plant at a time.

WI-FI SMART SOCKET USER MANUAL

SPECIFICATION

Input	AC 100~240V
Output	10A Maximum load
Wireless Connection	2.4GHz
Systems App Support	iOS 8.0 or higher, Android 4.4 or higher

GENERAL SAFETY INSTRUCTIONS

The safety precautions enclosed herein reduce the risk of fire, electric shock and injury when correctly adhered to.

- Indoor use only.
- Do not exceed the maximum power rating 10A or 1250W.
- Do not expose to water, dust, chemicals and moisture.
- Keep away from heat sources and direct sunlight.
- Children should use this device only under the supervision of a responsible adult to control appliances safely.
- Unplug this device during lightning storms or when unused for a long time.

Power switch

- Press the Power Switch to turn on/off the socket;
- Press and hold the Power Switch for 5 seconds, then release it until you hear a 'click' sound, the LEDs flash blue quickly. You can start to link the Smart Socket with "Smart Life" App by your own Wi-Fi directly.

LED INDICATORS DESCRIPTION

Before linking the Smart Socket with the Smart Life App

- Steady blue: the socket is ON.
- Flash blue quickly: be ready to link the Smart Socket with the Smart Life App by your own Wi-Fi directly.

After linking the Smart Socket with the Smart Life App

- No flash: the Smart Socket is linked successfully.

OPERATION ON SMART LIFE APP

App Downloading and Registration

Step 1:

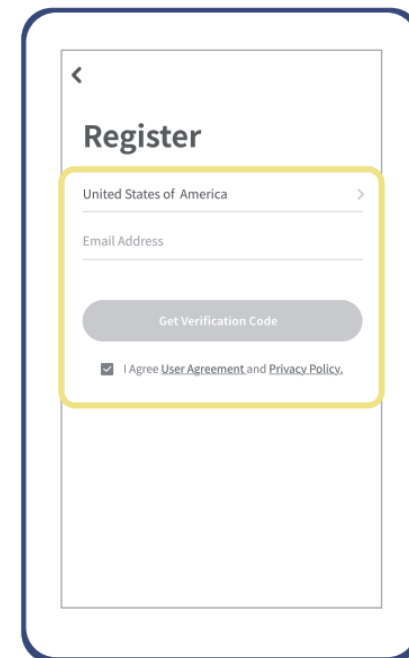
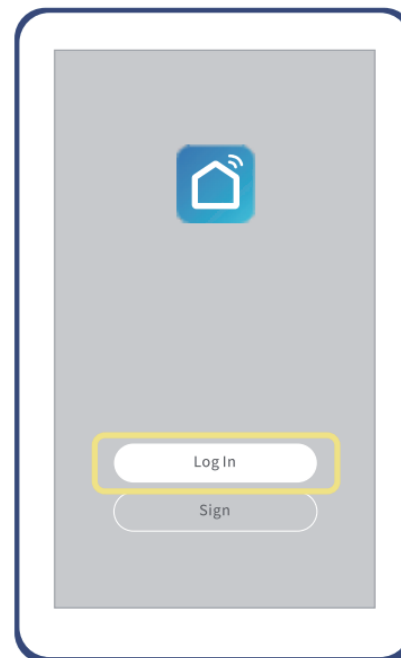
Search for Smart Life from App Store(For iOS), Google Play (For Android) or scan the QR code below to download and install it on your mobile device.



Android/iOS

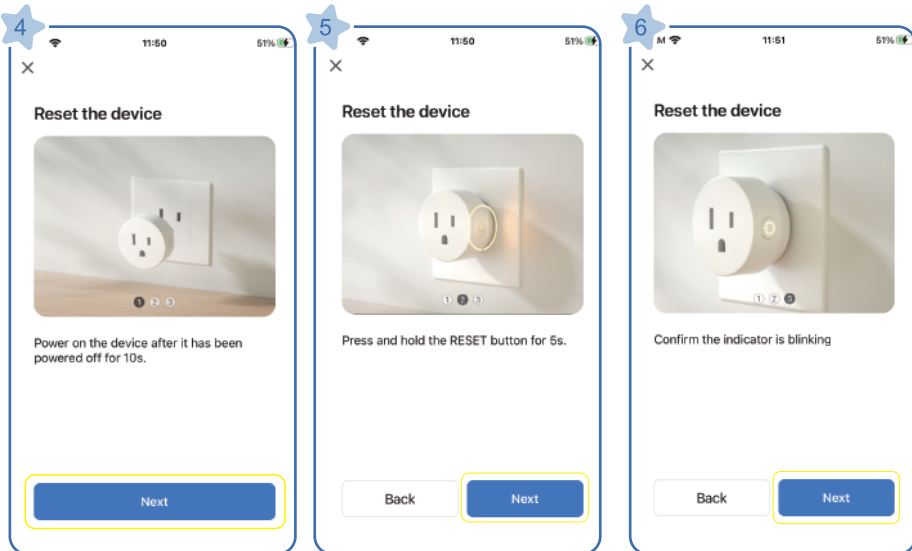
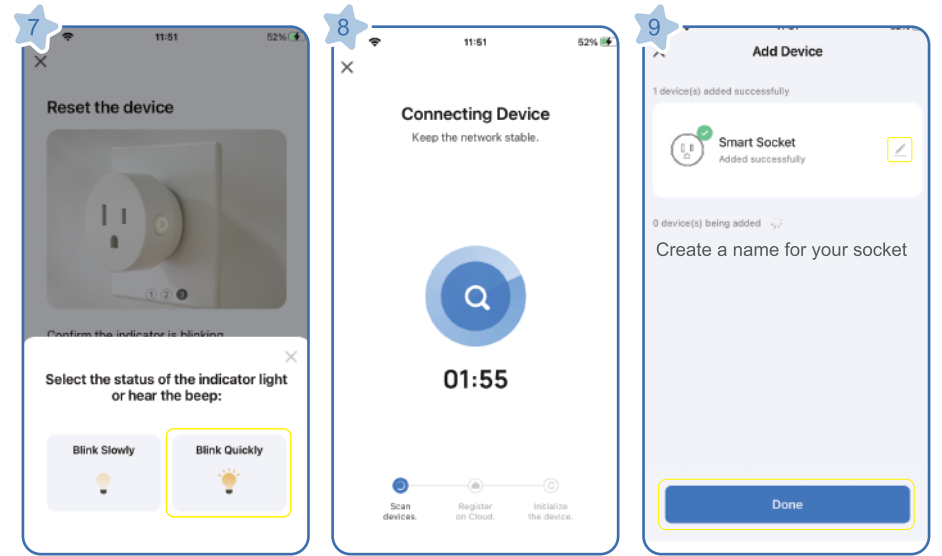
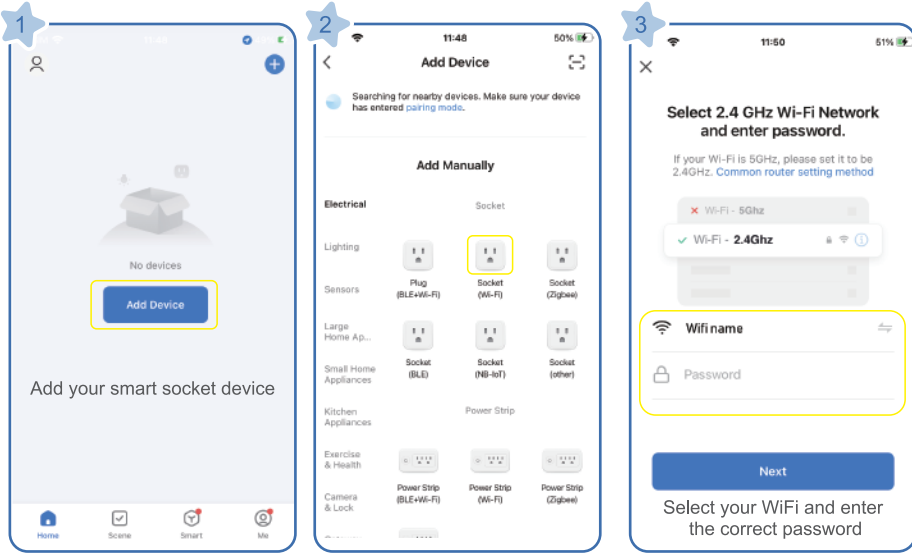
Step 2:

Create an account with a valid email address and log in.

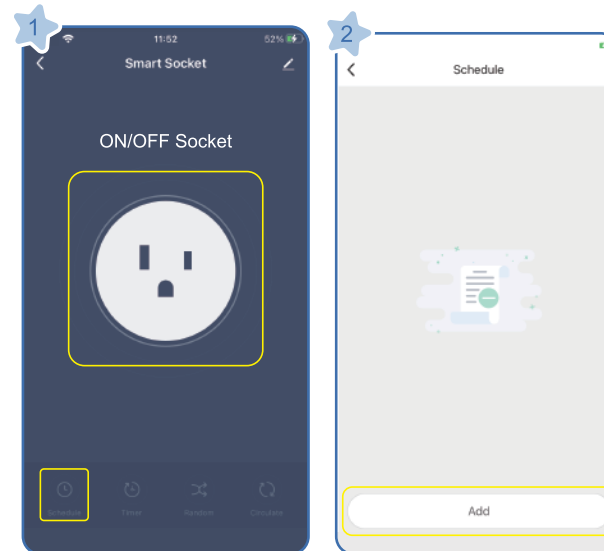


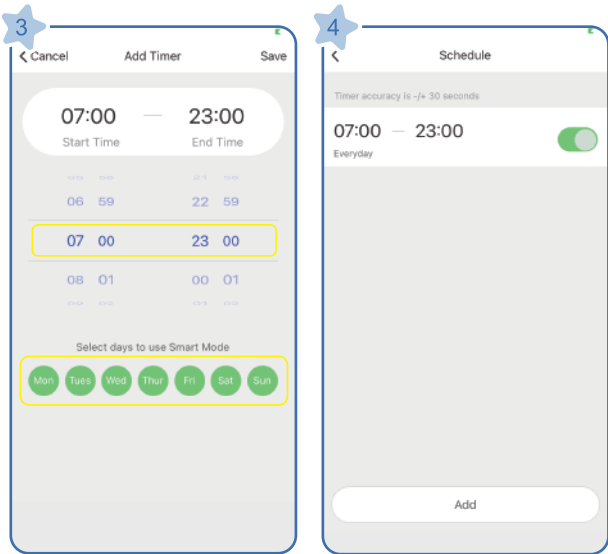
WIFI CONNECTION

Link the Smart socket with the Smart Life App following the instructions below.



CONTROL ON APP





- Recommend **Start Time** to **End Time** 16 hours, your plant will grow better.
- Select days: everyday.
- Save.

PLANTING NOTES

Plant	Date of Sowing	Date of First Adding Water	Date of Adding Nutrients	Picking Records	Remarks	Recorder



PLANTING NOTES

Plant	Date of Sowing	Date of First Adding Water	Date of Adding Nutrients	Picking Records	Remarks	Recorder
						