

# User Manual

Bluetooth Water Time+ Wi-Fi Hub

**SWV-02+GWB-03**



[www.oralgarden.com](http://www.oralgarden.com)

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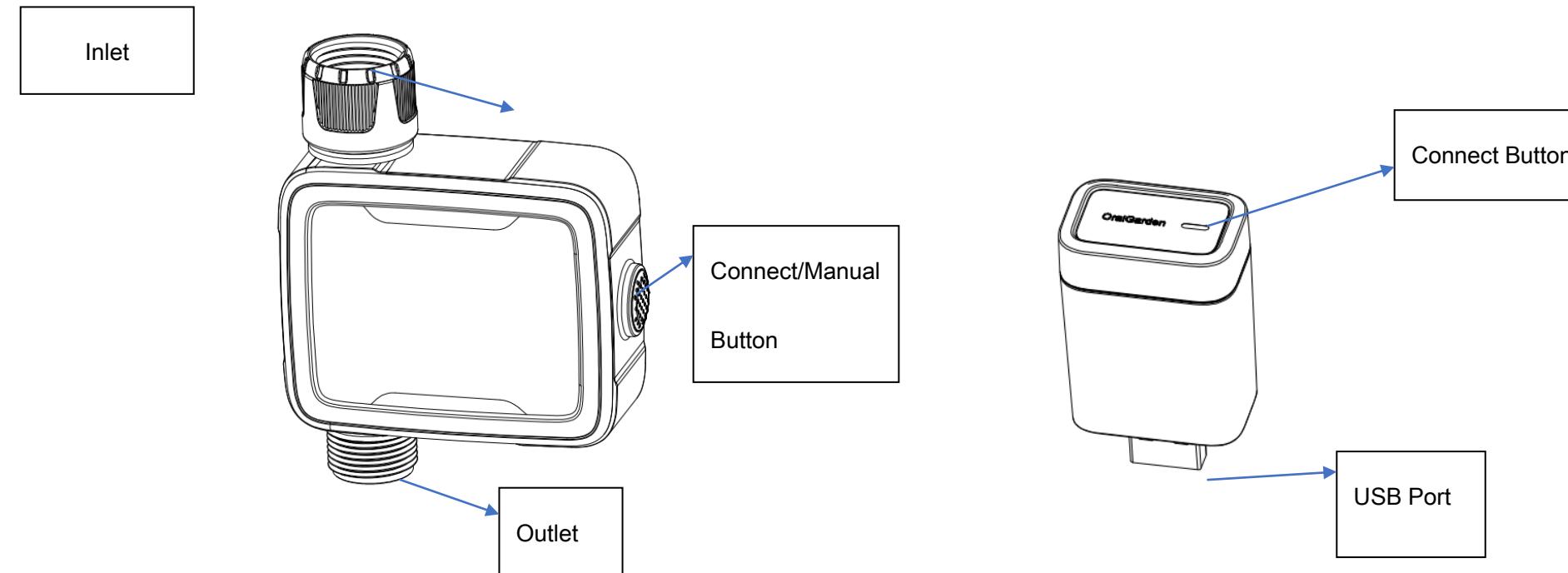
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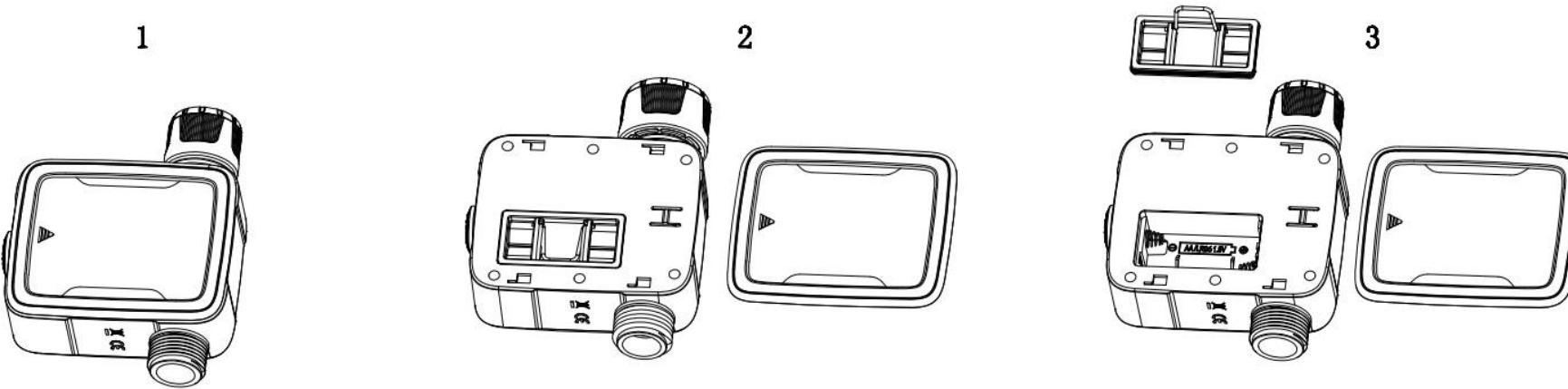
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#### Product Overview

##### 1. Product Appearance





## 2. Product Specifications

Working Pressure	0.5bar-8bar (7.25 psi-116 psi)
Flow Rate	5L/Min-35L/Min
Working Temperature	2°C-50°C
Waterproof	IP 54
Inlet	NH(US) for 3/4' faucet/hose BSP (EU) for 1' or 3/4 faucet/hose
Outlet	For 3/4" standard garden hose
Battery Status	Voltage > 2.8V:100% 2.6V < Voltage < 2.8V:50% 2.4V < Voltage < 2.6V:10% (low battery) Voltage < 2.4V:0%
Bluetooth Type	BLE 4.2
Battery Life	≥12 months

Transmission Distance	≥60m
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## Main Function

Set and check irrigation schedule through smart phone APP, connecting with Bluetooth water timer or Bluetooth-WIFI hub

Manually ON/OFF the water timer

With 2 schedule types: Normal Schedule, and Cycle & Soak

Max 10 plans in each schedule type

Weather delay 24/48/72 hours

Irrigation history track to avoid operation error

Low power indicator

Set non-irrigation time according to local water restriction policy

Built-in filter

## Installations

### 1. Device Connection

#### 1.1 Bluetooth Water Time and Wi-Fi Hub Connection

Search for **Tuya Smart** on Google Play or App Store to download the app. Follow the prompts to register Tuya account or log in with an existing account.

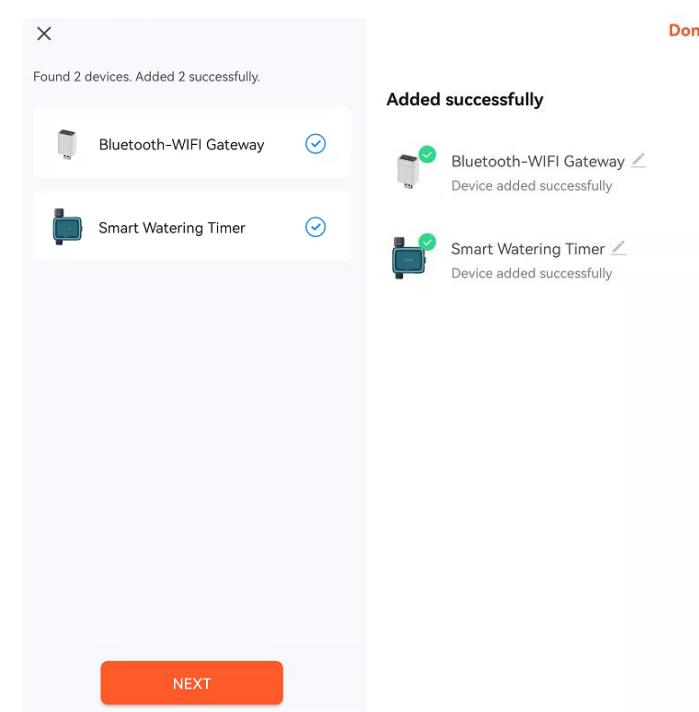
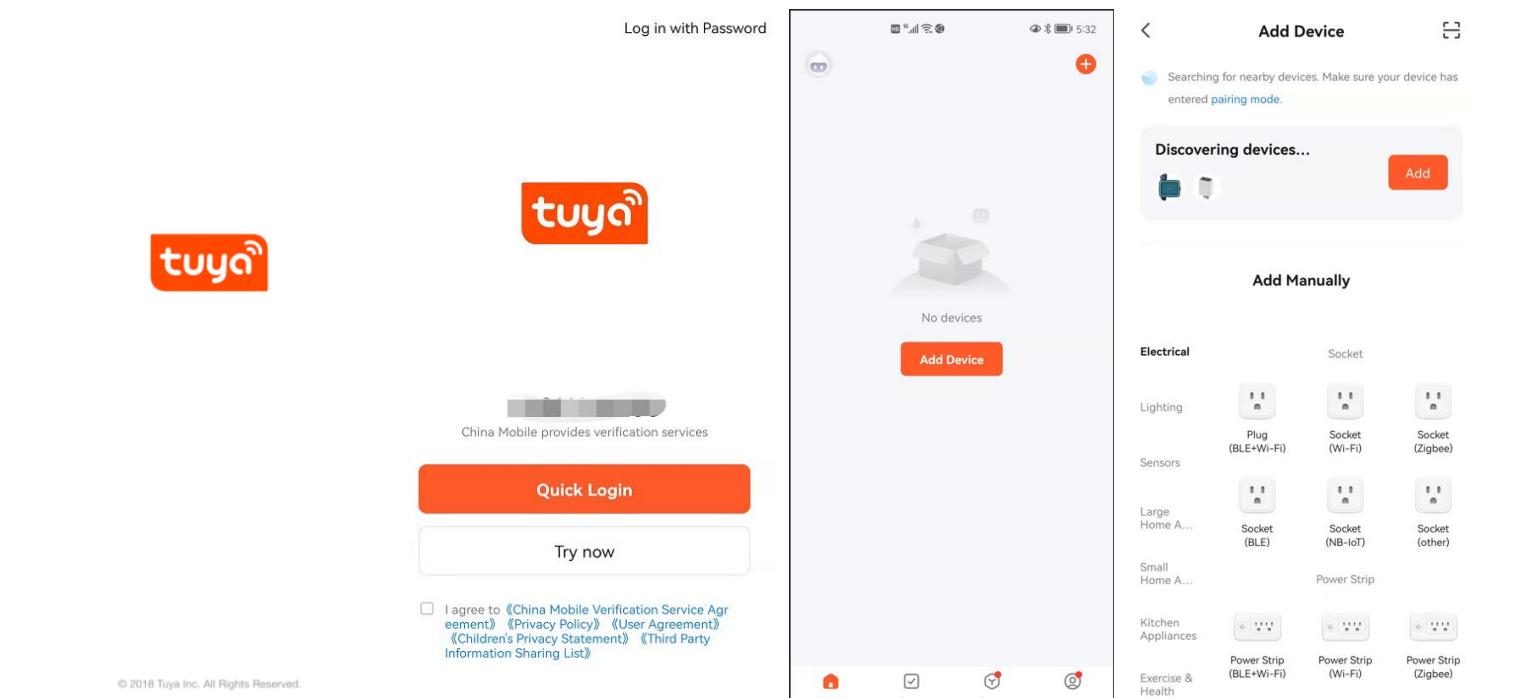
1.2 Plug the GWB-03 Wi-Fi gateway into an USB port or adapter near the router and wait 10 seconds for the device initialization to complete. The blue and purple indicator lights blinking slowly, which mean it enters the gateway pairing state.

1.3 Remove the back case pull out battery cover of Smart Watering Timer SWV-02 and load 2xAA batteries(not included). Press and hold the button until the green LED flashes rapidly,

which means the devices is ready to connect.

1.4 Launch Tuya APP, click “” button on the top right corner, or tap “Add Device” directly, the App will search for nearby device, press “Add” when the devices are discovered. Then follow the instructions on the App page to complete pairing.

1.5 Once the connection is complete, the paired devices will be shown on the home page.



## Hose Faucet Timer LED Light

The LED Light (ON/OFF button) on your timer will display different type at different intervals depending how your timer is functioning.

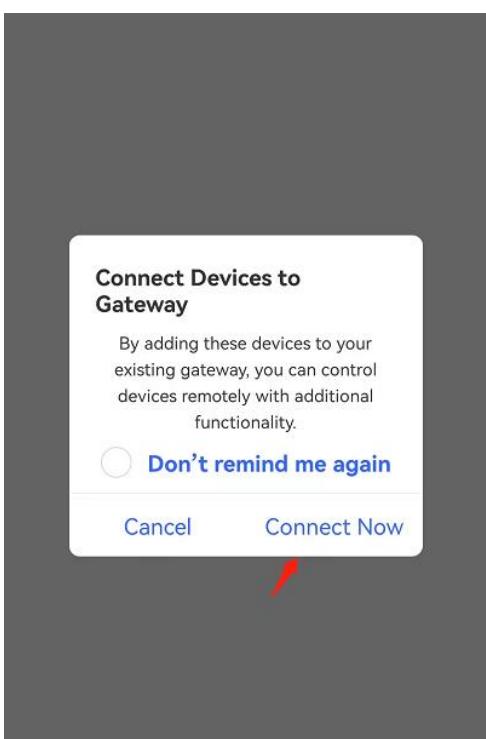
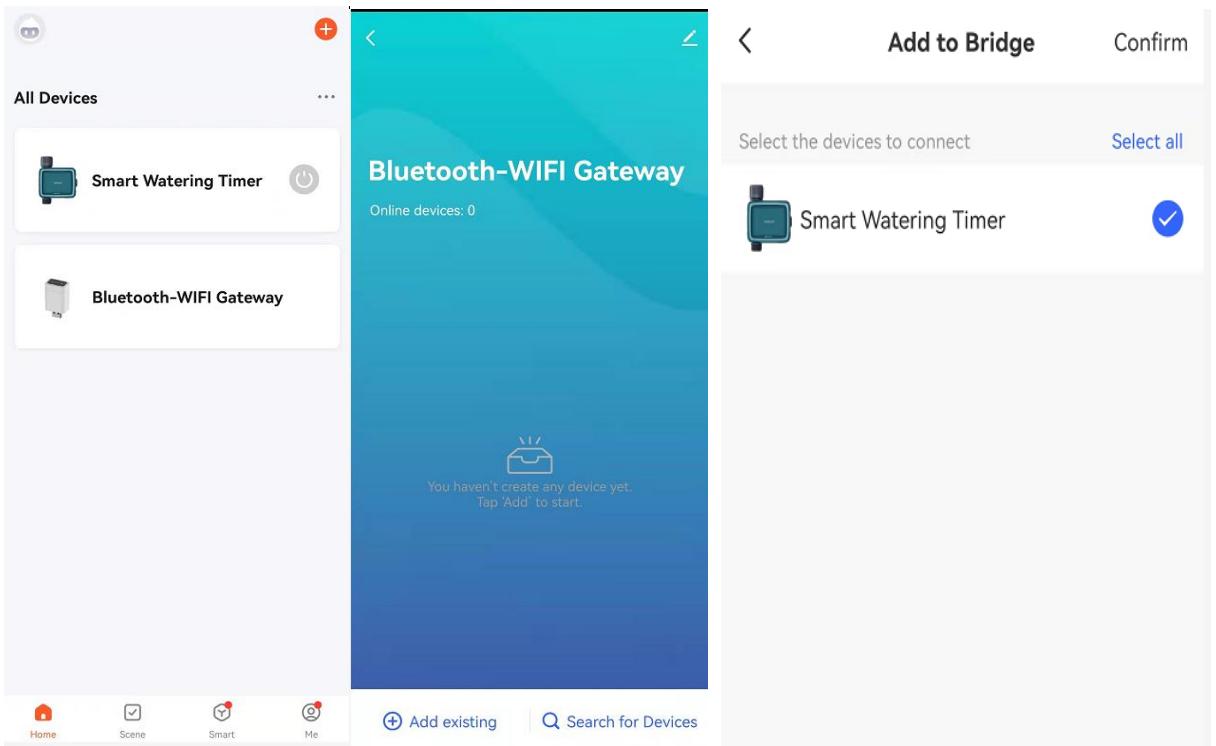
Light Color	Light Type	Duration	Description
Green	Blink	Every 0.3 sec. for 1 min.	In pairing mode, ready to connect to your smart device
Green	Blink	Every 0.3 sec. for 1 min.	Press and hold on to the ON/OFF button for 5 sec. Attempting to reconnect to your smart device
Green	Blink	Every 3 sec. for until watering done	Watering
Red	Blink	Every 6 sec.	Low Battery: Low battery indication at 2.6V and valve shutoff at 2.4V
Red	Blink	Every 3 sec.	Power outage warning

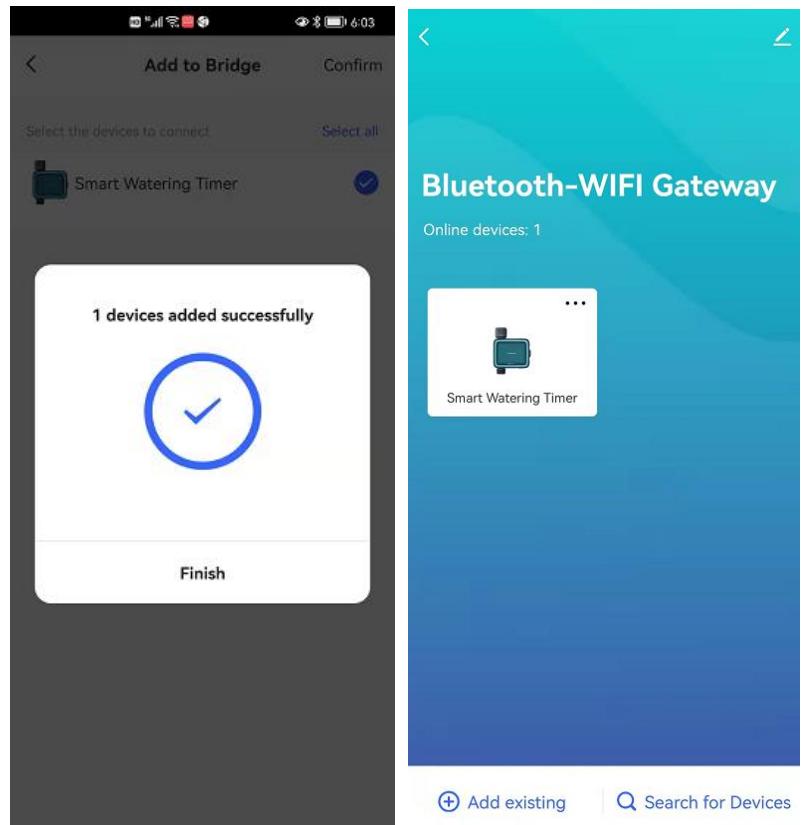
### **2. Smart watering timer binding to gateway**

2.1 Once the connection is complete, the pair devices will be displayed on the homepage. Click the Bluetooth-WiFi gateway to enter the device details homepage.

2.2 Click “Add existing” select the device and click “Confirm” to go to the next step.

2.3 Once the binding is complete, the paired device will be displayed on the homepage. Click on the Bluetooth-Wi-Fi gateway to enter the device details homepage.



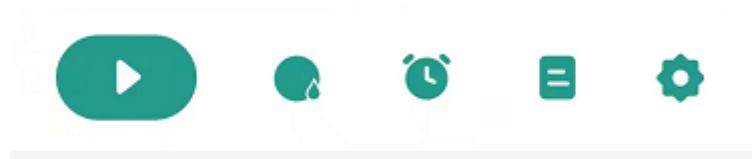


### **3. Basic information of the device**

3.1 By selecting “Search for devices”, you can also associate more sub-devices.

3.2 Click the Smart Watering Timer to enter the device details pages. This page displays the following information: date, battery status, device status, weather information, irrigation time, last run timer, next run time.

3.3 At the bottom, there is an operation panel with several options: **Manual button**, **Weather Delay**, **Schedule Setting**, **Irrigation History**, **Setting**.



► Manual button for instant watering.

► Weather delay for 24/48/72hours.

► Schedule Setting with normal schedule and cycle & soak schedule for options.

► Irrigation history for irrigation track and avoid false operation.

 To set no-irrigation time. Once this setting is done and enabled, the smart watering timer will skip the pre-irrigation schedule.

3.4 Press the button on the top right  corner to enter device information page.

#### 4. Manual Operation

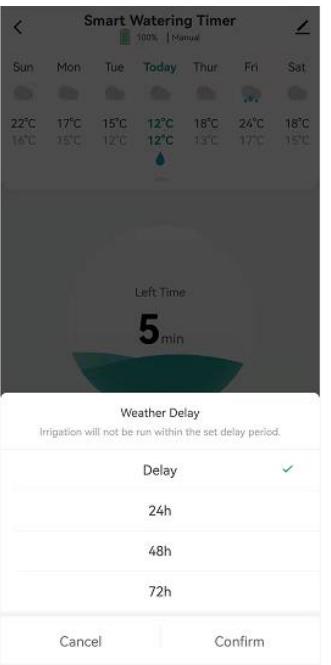
Manual mode: Click the  “ to manually turn ON the water timer to start watering. The default time is 10 mins.

Click the  “ to manually turn off water timer.

Tap the central circle to set manual watering time, from 1min to 24 hours.

#### 5. Weather Delay

Tap the “Weather Delay” to enable the rain delay function. The weather delay can set with **24H,48H,72H** and cancel.



#### 6. Plans and settings

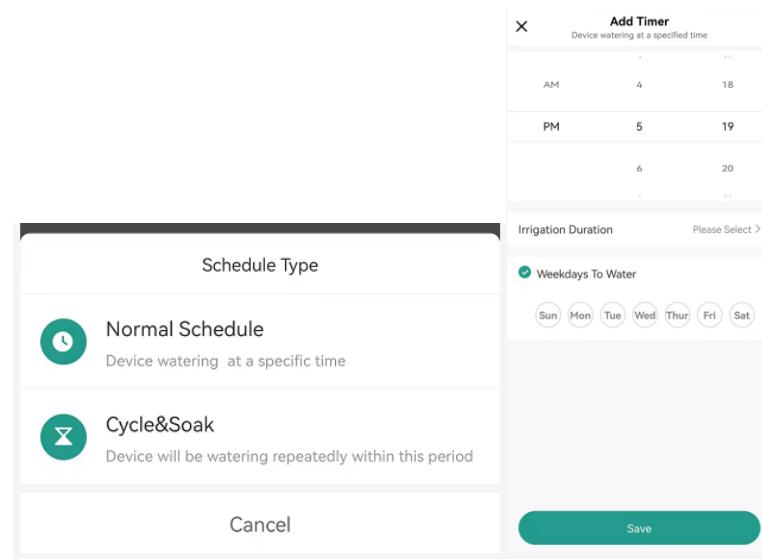
Click and choose the schedule type you need and confirm the watering start time, duration, weekdays to water, and save all settings.

The soak & Cycle type have different setting options. It needs to set the start time, end time of irrigation, the cycle duration and soak duration.

### Schedule Type

On the schedule page, after select  button, there are two types for selection: **Normal type** and **Cycle & Soak type**.

**Normal Schedule:** means device watering at a specific time.



**Cycle & Soak:** means the device will run the watering schedule repeatedly in this period.

**Add Cycle Timer**  
Cycle and Soak

	Start Time	End Time			
2	16	3	16		
3	17	4	17		
AM	4	18	5	18	AM
PM	5	19	6	19	PM
	6	20	7	20	
	7	21	8	21	
	8	22	9	22	

**Cycle&Soak**  
During period,Cycle&Soak breaks watering down to multiple cycles to give the soil time to soak the water in for efficiency.

**Cycle Duration** Please Select >

**Soak Duration** Please Select >

**Save**

## Schedule Settings

Click and choose the schedule type you need and confirm the watering start time, duration, weekdays to water, and save all settings.

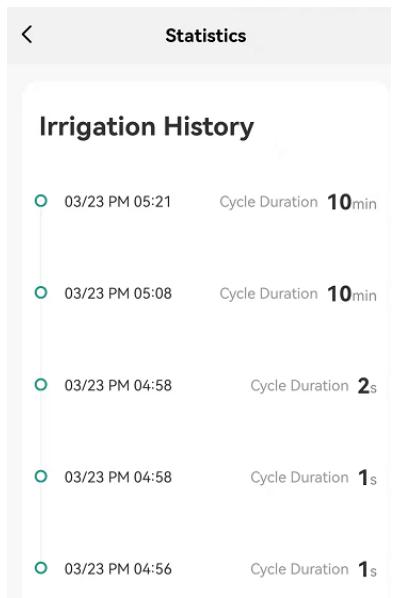
The Soak & Cycle type have different setting options. It needs to set the start time, end timer of irrigation, the cycle duration and soak duration.

## \*\*\*\*\*Tips\*\*\*\*\*

- a. The minimum period cannot be greater than the total time period.
- b. There will be time conflict notice when the time schedule overlap, causing plans fail of setting.
- c. When all plans are set up, they will be displayed on the timer list. There is shortcut button behind each group of plans to quick start or stop the plan directly.

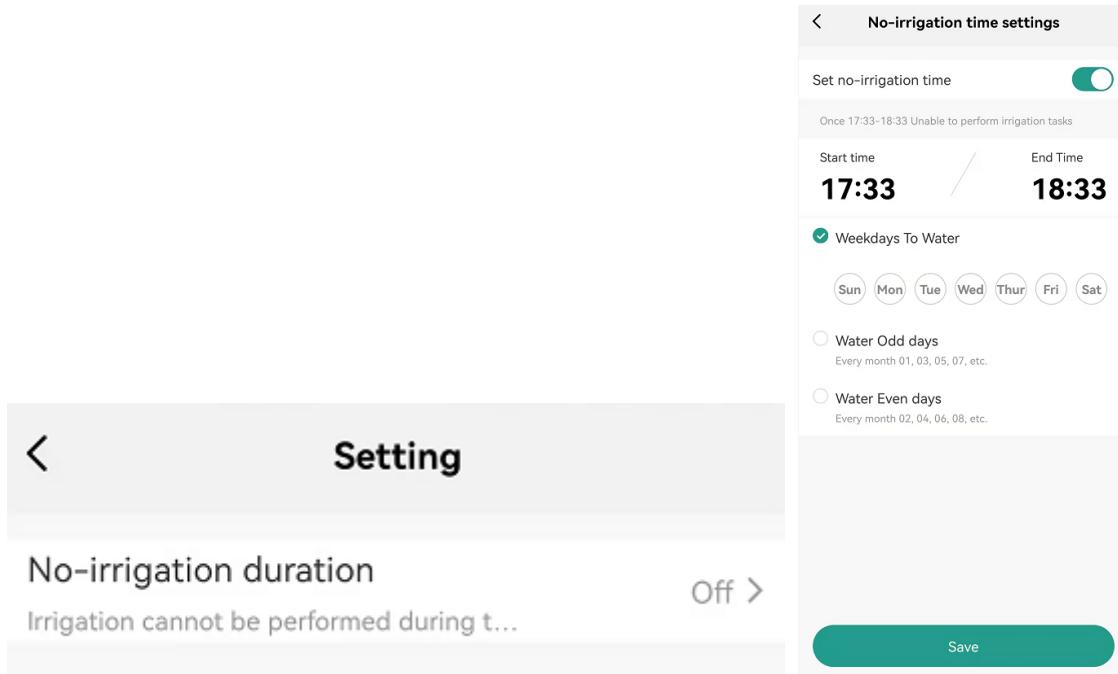
## 7. Irrigation History

Every irrigation plan will be recorded. It's convenient for users to track the implementation of irrigation plans.



## 8. Non-irrigation time setting

Once this setting is done and enabled, the smart watering timer will skip the pre-irrigation schedule.



## 9. Reset Hub&Timer

**Reset Water Timer**

1. Press and hold the ON/OFF button of the Bluetooth water timer for more than 5 seconds, LED light will blink, the water timer is now in pairing mode, and reconnect to your smart device.

Open the Tuya Smart APP and add the watering timer again.

2. Press and hold the ON/OFF button of the Bluetooth water timer for more than 10 seconds after re-install batteries. The LED light type from blink to stay on for 3 seconds. The device will be restored to the factory setting, and all data will be wiped out. Now try to add the water timer device via App again.

#### **Reset Wi-Fi hub**

Press and hold the top button of Wi-Fi Hub for more than 5 seconds until the APP UI shows the device has been removed from App.

#### **v. Warranty & Warnings**

1. Please make sure the smart phone is near the Bluetooth water timer when connecting or setting the

watering plan. The best range for connection and operation is within 60 meters in the open area.

2. The watering timer will follow and perform the preset watering schedule after application set successfully, even if the phone is out of the best connecting range.

#### **FCC Statement For Bluetooth Water Time**

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: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

#### RF Exposure Information

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

#### FCC Statement For Wi-Fi Hub

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#### RF Exposure Information

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

Specific Absorption Rate (SAR) information:

This Wi-Fi Hub meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies.

The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health. FCC RF Exposure Information and Statement the SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue. Device types: Wi-Fi Hub has also been tested against this SAR limit (Max SAR: 0.292W/kg). This device was tested for typical body-worn operations with the back of the Wi-Fi Hub kept 0mm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain an 0mm separation distance between the user's body and the back of the phone. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.