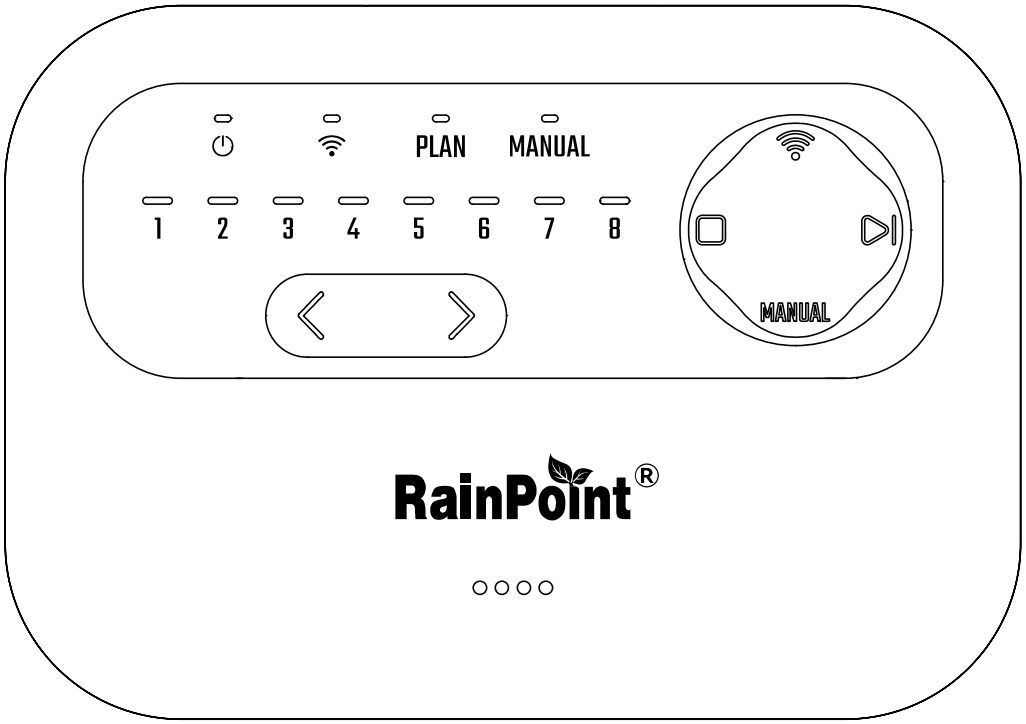
RainPoint® Smart
More Than Water Saving

USER MANUAL

8-Zone Irrigation Controller

Model No. HIC801W



Welcome to the **RAINPOINT** family! Please read the manual before using to learn about the features and functions.

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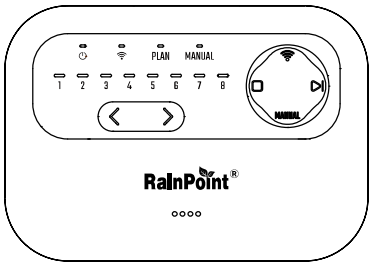
1. Contents in the box



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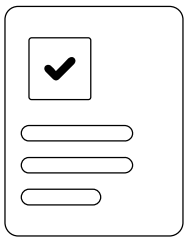

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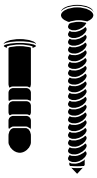

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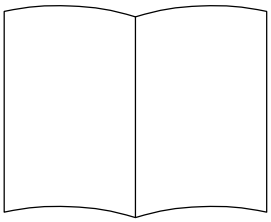

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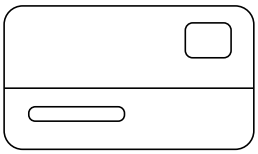

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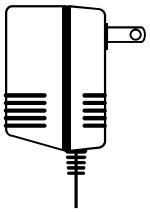

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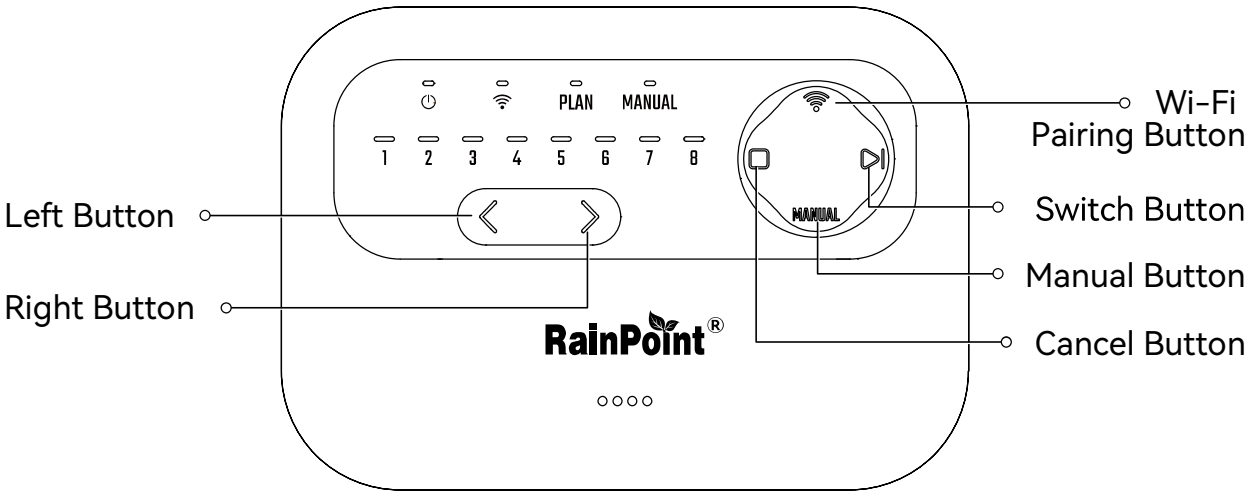
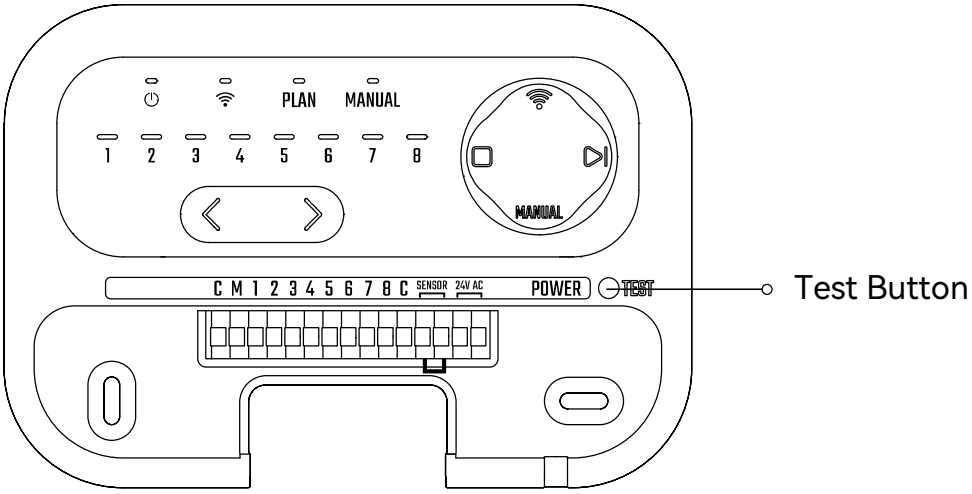
1. 1 X HIC801W 8-Zone Irrigation Controller
2. 1 X Quick Guide
3. 1 X Screws and Expansion Bolts
4. 1 X User Manual
5. 1 X Warranty Card
6. 1 X AC Adaptor

2. Introduction

2.1 Product Overview





2.2 Button Introduction

BUTTON	MODE	OPERATE	FUNCTION
TEST	Standby mode/ Zone selecting mode	Press for 2 seconds	Test the connection status of valves from zone 1 to zone 8 pairing
	Standby mode/ Zone selecting mode	Press for 5 seconds	Enter into Wi-Fi pairing (Default: Automatic Pairing)
	Wi-Fi pairing mode	Short press	Switch automatic pairing or AP pairing
	Standby mode	Short press	Enter into zone selecting (start from zone 8)
	Zone selecting mode	Short press	Switch from zone 8 to zone 1
	Standby mode	Short press	Enter into zone selecting (start from zone 1)
	Zone selecting mode	Short press	Switch from zone 1 to zone 8
	Plan mode	Short press	When multiple zones under irrigation plan, press to stop watering of current zone and start watering of next zone
	Manual mode	Short press	When multiple zones are waiting for irrigation, press to stop watering of current zone and start watering of next zone
	Plan mode	Short press	Stop watering of current zone, cancel the plan of other zones
	Manual mode	Short press	Stop watering
	Zone selecting mode	Short press	Cancel the selected zone
MANUAL	Zone selecting mode	Short press	Start watering of the selecting zone

2.3 Product Specification

ITEM	SPECIFICATION
Output	24V AC 0.8A
Input	120/240V 60/50Hz
Working temperature range	3℃-50℃ (37℉-122℉)
Power supply	AC 24V
Storage temperature	4-122℉ (-10-50℃)
Max input power	10W

2.4 Product Features

- Control 8 valves and 1 main valve.
- Pair with 2 sensors.
- Clear indication and button, easy to operate.
- App controlled watering.
- Up to 8 watering plans for each valve.
- Check watering plan on calendar.
- Track working status of valves based on weather forecast.

3. Work On APP

3.1 APP Download

a. Search and download **RainPoint Smart+** on:

GET IT ON Google Play

Download on the App Store

b. Or scan the QR code to download:

iOS

Android

c. **Create an account and log in:**
Follow the prompts to register an account with your email or mobile phone.

3.2 Irrigation Controller Connection

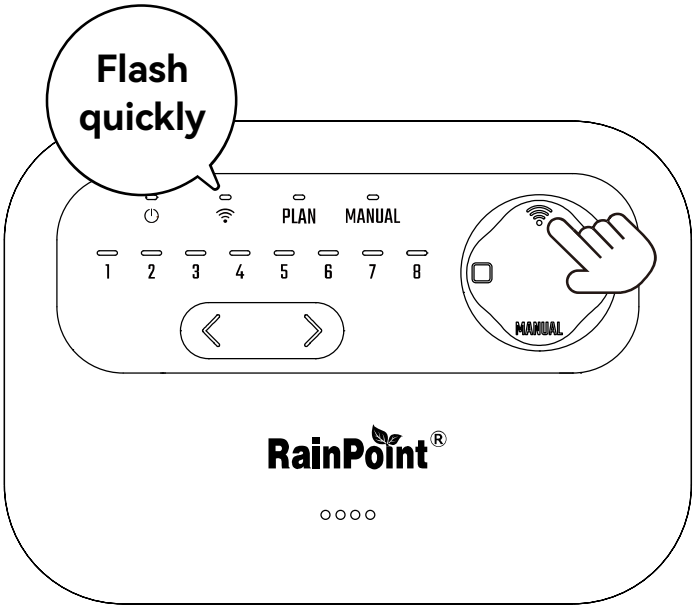
a. Add device on the Home page, tap ⊕ or **"Add Device"** on the Home page, and select the HIC801W. Or press ⌜⌝ scan QR code and enter into next step.

Scan to connect

0250801100

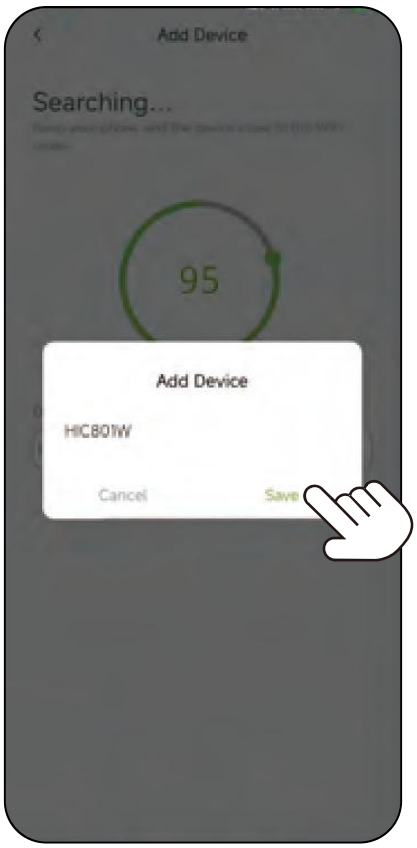
b. Select 2.4 GHz Wi-Fi and enter the password.

c. Power the irrigation controller and press the button for 5 seconds. The Wi-Fi LED will flash quickly and start pairing.



d. Press **"Next"** to search the device.

e. Search and find the device, rename it and save.



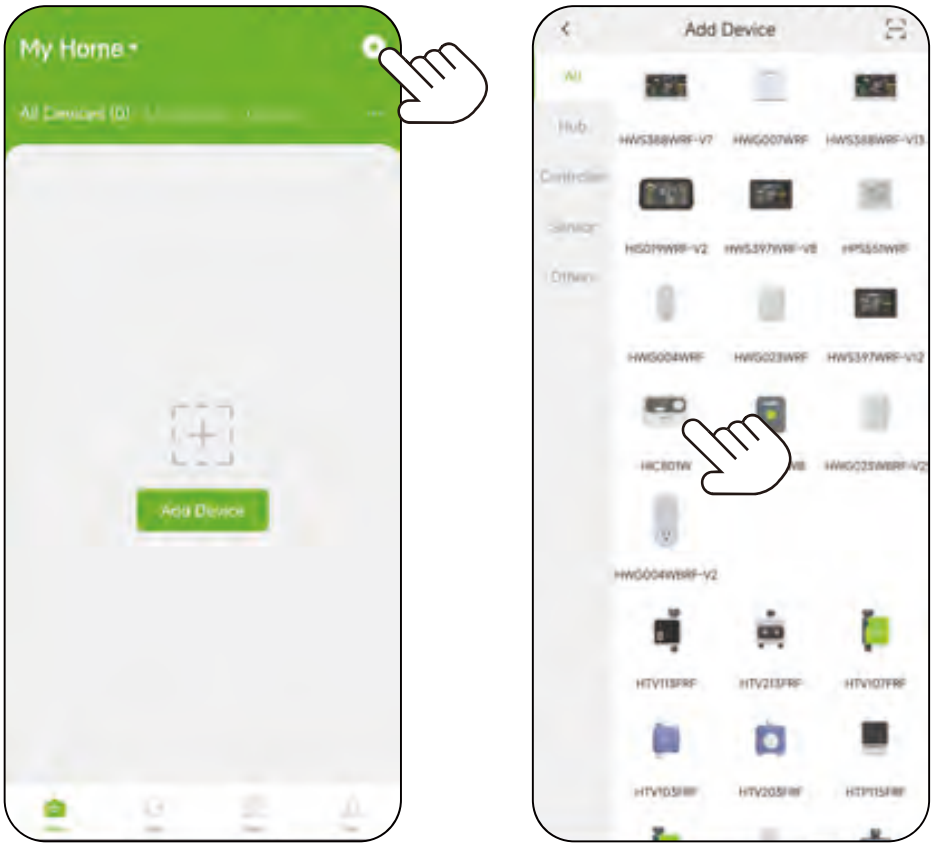
f. If successful, the LED of Wi-Fi in the controller will always on, and the app will show as right.

Note: After successfully adding the controller, your phone can use any network to remotely control it, but your router needs to keep 2.4GHz available all the time.

AP mode to connect the irrigation controller

If you can not connect to the irrigation controller, please try AP mode:

a. Tap ⊕ to add a device on the Home page, then select the HIC801W.



b. Select 2.4 GHz Wi-Fi and enter the password.

c. Tap **"Switch Mode"** to the AP Connection Mode page.

d. Press the Wi-Fi button for 5 seconds until the Wi-Fi LED flashes quickly, then press **"Next"**.

e. Press the Wi-Fi button for 5 seconds until the Wi-Fi LED flashes slowly, then press **"Next"**.

f. Connect your phone to the device's Wi-Fi.

- Tap **"Go Connecting"** to connect the phone to the **"HomGar_XXXX"** Wi-Fi network. Please REFRESH your Wi-Fi networks if you can not find **"HomGar_XXXX"**.
- Select **"HomGar_XXXX"** Wi-Fi, then tap **"←"** back to app.
- Tap **"Next"** to continue.

Note: Please check if your phone is connecting to 2.4 GHz Wi-Fi before you connect to the **"HomGar_XXXX"** network and please disable the dual-band router's smart connect setting. Decline your phone Wi-Fi Assistant to switch you to a better Wi-Fi network when similar Tips pop up. Please refresh your Wi-Fi NETWORKS if you can not find the 2.4 GHz Wi-Fi.

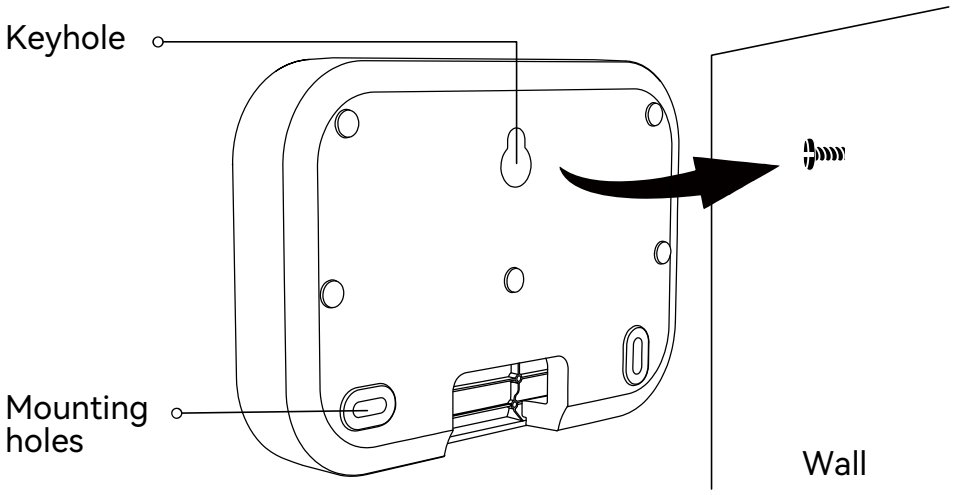
g. Auto pairing.

The irrigation controller will auto connect the Wi-Fi.
If successful, the LED of Wi-Fi in the controller will always on, and the app will show as right.

3.3 Irrigation Controller Installation

3.3.1 Controller Installation

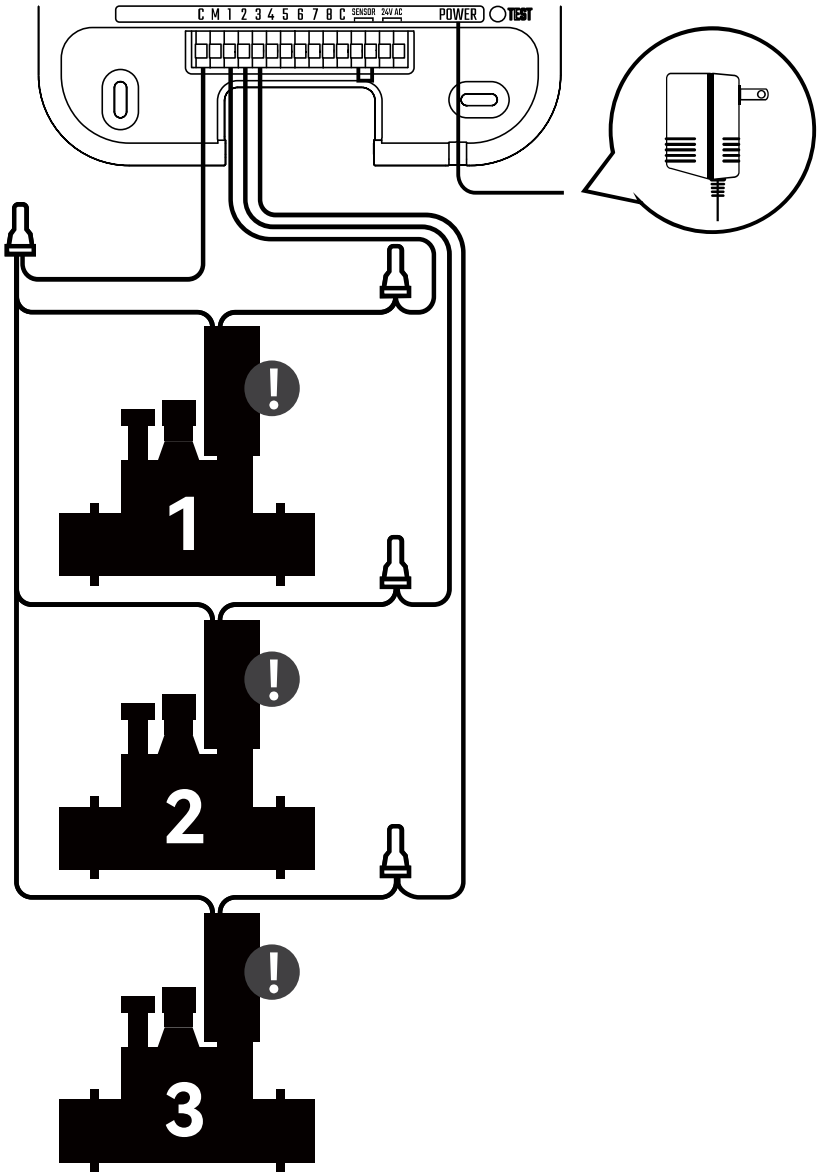
Mount the screw on the wall and hang the irrigation controller from the screw. If necessary, use the included expansion bolts. After confirming the installation position, use another screw to install through the mounting hole at the bottom of the controller.



Note: Please install the irrigation controller near the adaptor or near the Wi-Fi router to ensure the good connection.

3.3.2 Valve Connection

Strip the appropriate length of insulation from each wire and connect the wires on the valve to the zones, one to the **C** wire and the other to the zones.
Connect the wires from the transformer to the **AC** terminals, or power the irrigation controller by **AC** adaptor included.



When connecting the valve, please confirm whether the type of valve you purchased matches that of HIC801W.

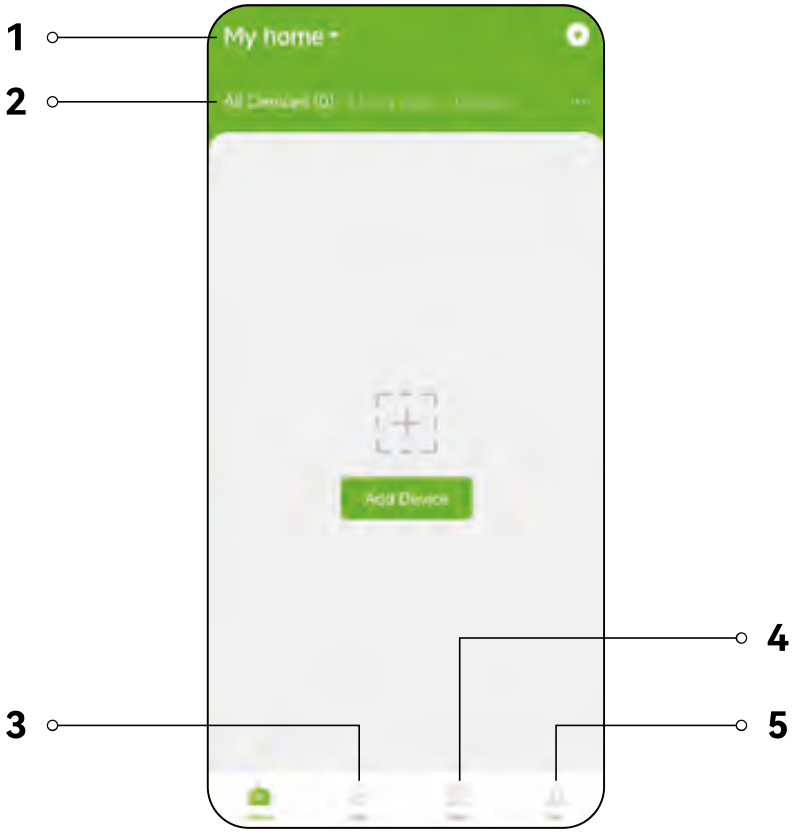
TYPE	SPECIFICATION	SUPPORT IN-PLACE DETECTION	USABLE
AC solenoid valve	AC: 24V	√	√
DC latch solenoid valve	-	×	×
AC motor valve	AC: 24V	×	×
DC latch solenoid valve	-	×	×

Note:

- Each zone can only be connected with one wire.
- If there is a main valve, please connect the wires to the **C** and **M** zone on the left side of all zones.

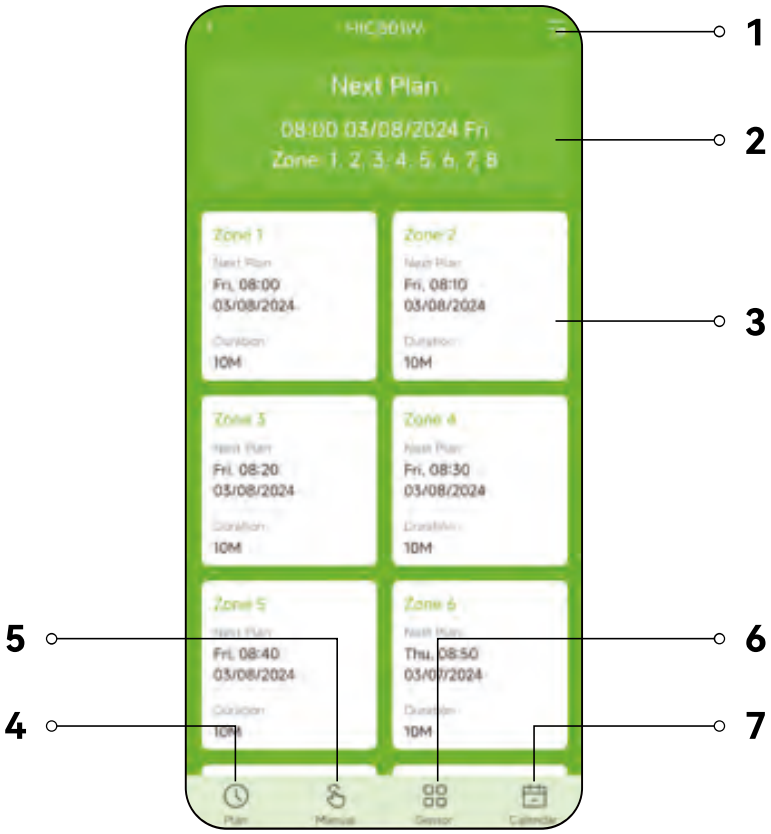
4. App Features And Functions

4.1 APP Overview



1. **Home management:** Rename your home, add or delete home members.
2. **All devices:** Check the devices you add.
3. **Info:** Check weather of your location and realize smart irrigation after adding valves.
4. **Plan:** Check the all the irrigation plans you set.
5. **Me:** Include the **"Home Management"**, **"Event"**, **"Help& Feedback"**, **"Third-party Voice Service"**, **"Settings"** and **"About"**.

4.2 Irrigation Controller Homepage



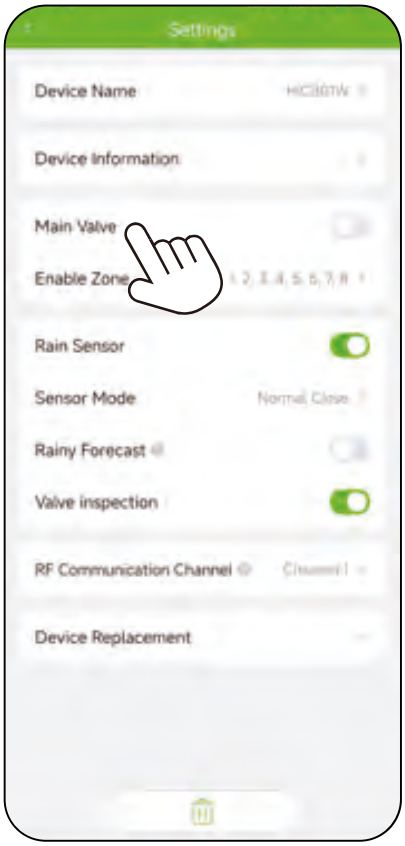
1. **Setting:** Basic setting of irrigation controller
2. **8 Zones:** Check the information of single zone
3. **Next plan:** Check the next irrigation plan for 8 zones
4. **Plan:** Set or manager the irrigation plan
5. **Manual:** Set manual watering plans for 8 zones
6. **Sensor:** Check and control the information from sensors
7. **Calendar:** Check all date irrigation plan for different zones

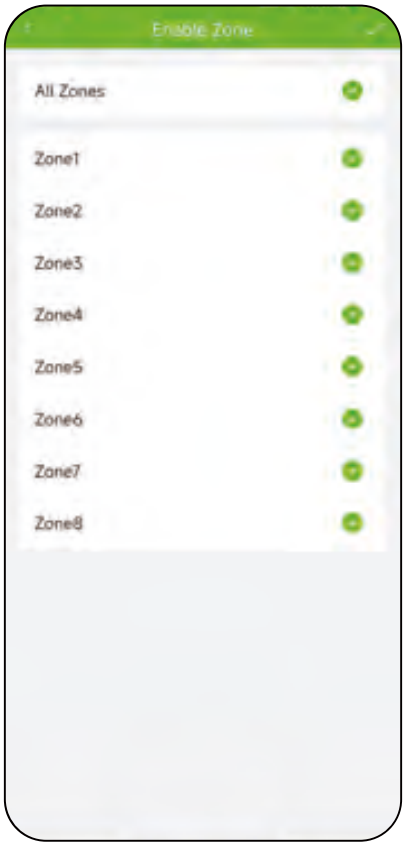
4.3 Basic Setting

Press **"Setting"** to enter into basic setting. Basic setting includes device name and device information.

4.3.1 Enable Zone

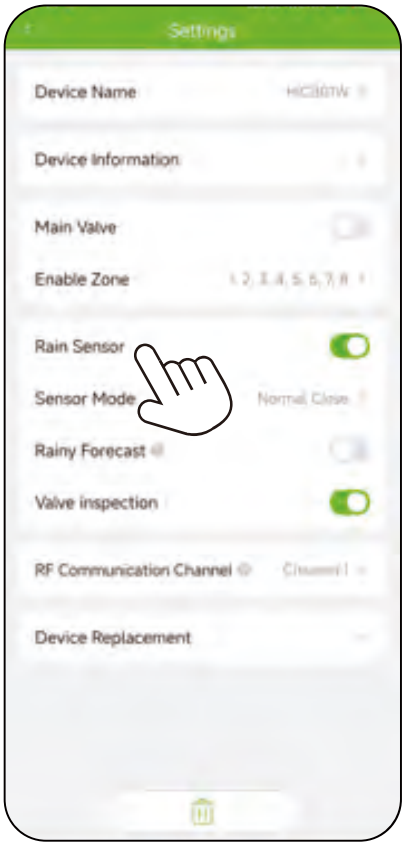
Turn on **"Main Valve"** or **"Enable Zone"** to select the zone need to irrigate.

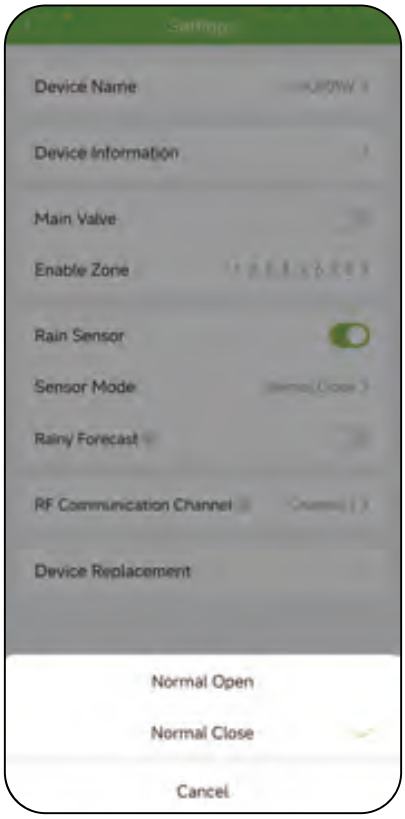




4.3.2 Sensor

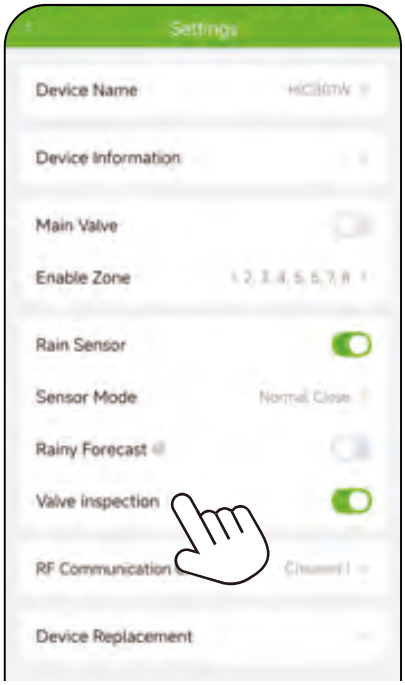
After connecting outdoor rain sensor, turn on **"Rain Sensor"** and select **"Sensor Mode"**.





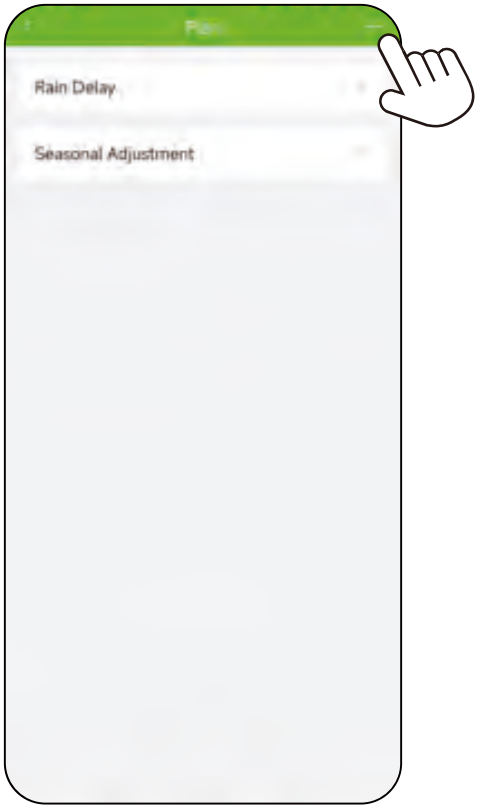
4.3.3 Valve Inspection

Solenoid valve detection: After the device is connected to the valve, enable the in-place detection function to check whether the connection is correct. The green light is displayed correctly, and the red light is displayed incorrectly.

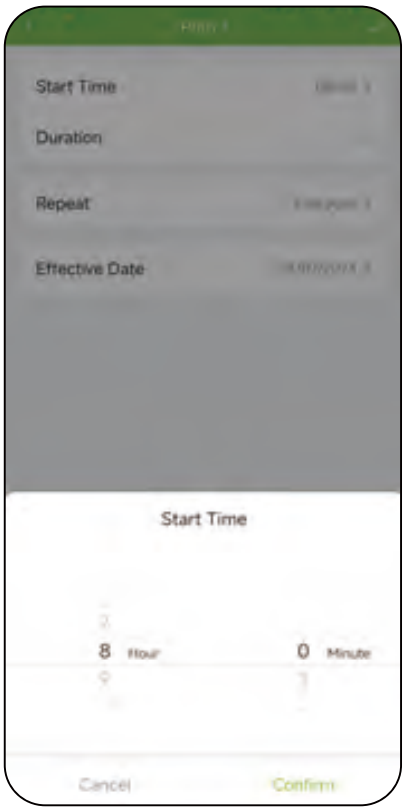


4.4 Plan Setting

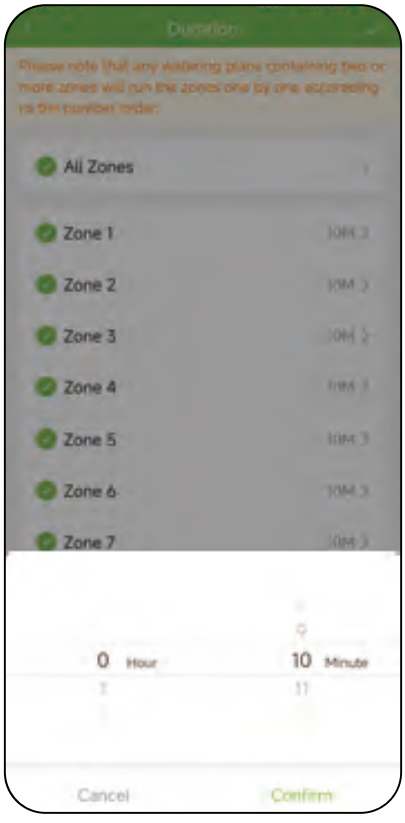
a. Press **"Plan"** to enter into plan page, press + to set up plan.



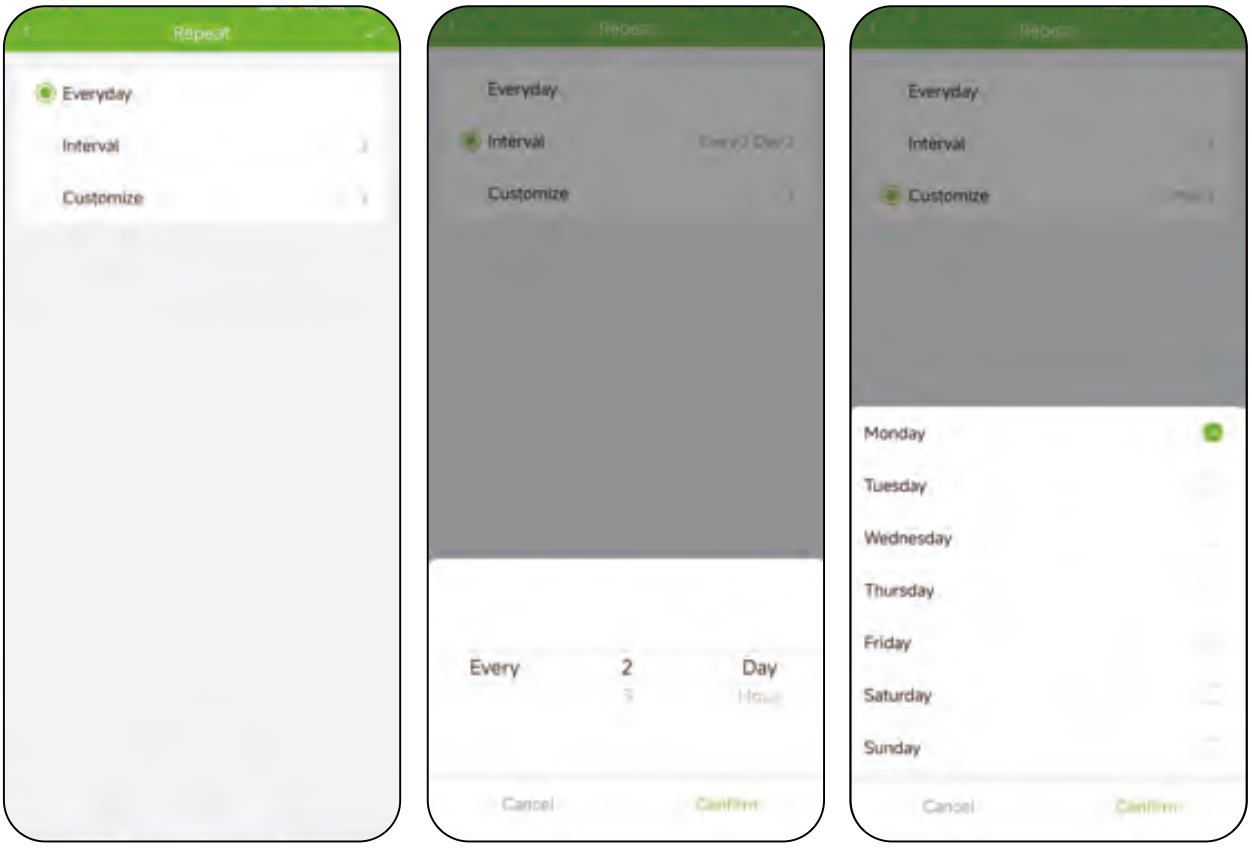
b. **Start time:** Set daily irrigation start time.



c. **Duration:** Set different irrigation duration for different zone.

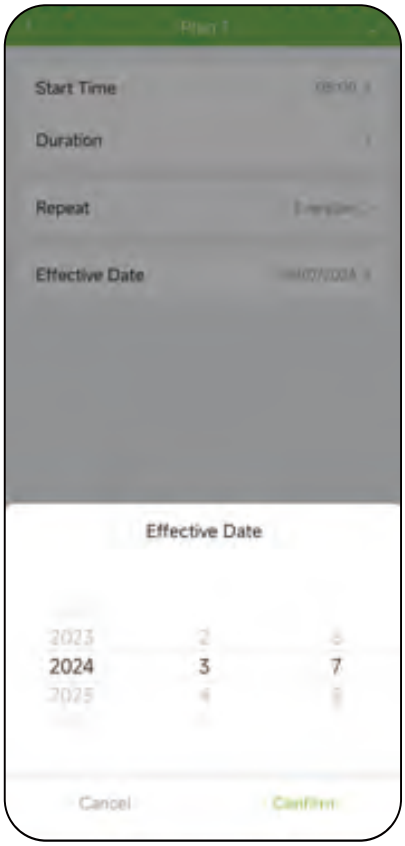


d. **Repeat:** Set irrigation frequency from everyday, interval or customize.



Note: Only one repeat mode can be chosen. When the interval is in hour, each zone can only be set one plan. In other repeat mode, each zone can be set 8 plans.

e. **Effective Date:** Select the day to function the plan.



4.5 Single Zone Setting

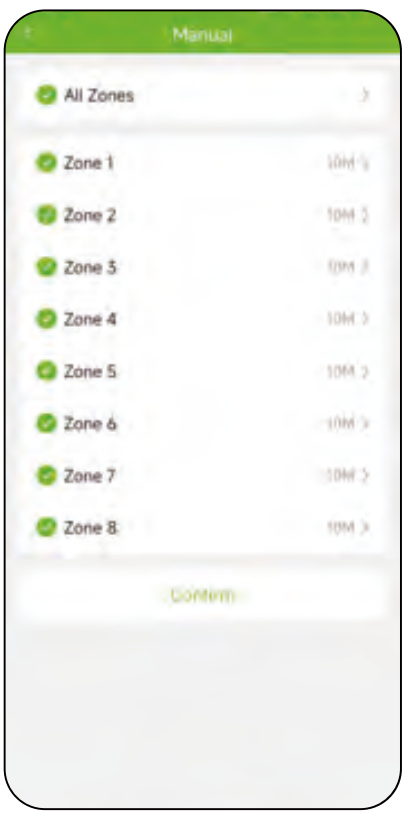
Zone Information: Press any zone to check the plan information.

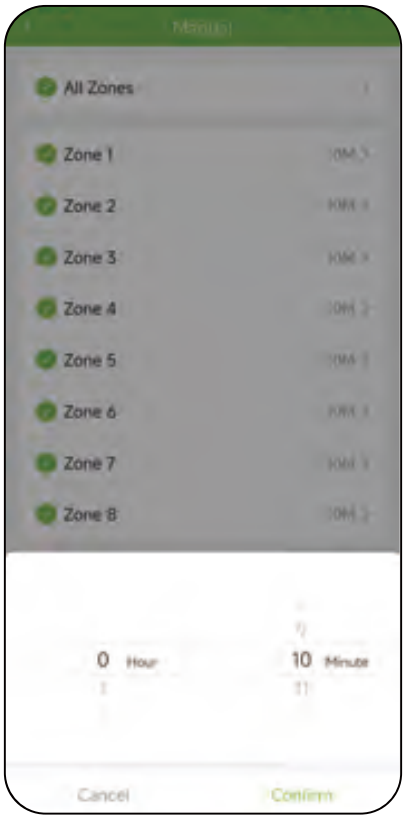
Zone Setting: Press on individual zone and enter into zone setting.

4.6 Manual Watering Setting

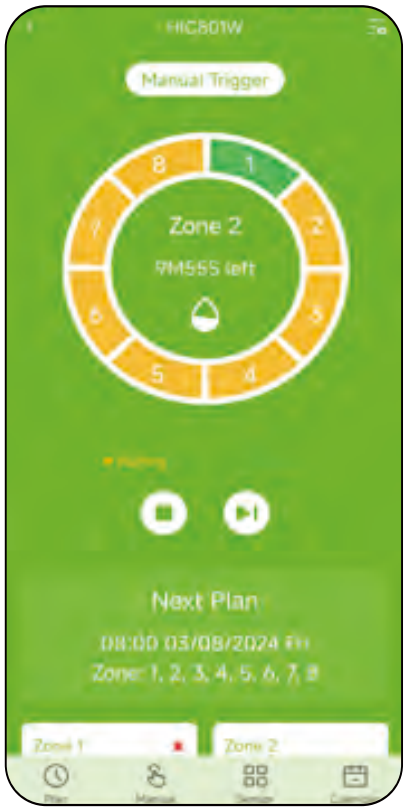
a. Press **"Manual"** and enter into manual watering setting.

b. Select zone and set the watering duration.





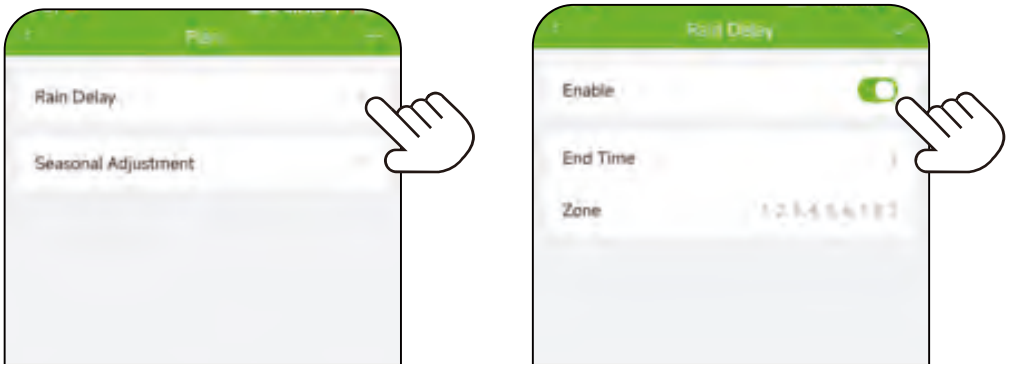
c. After setting, you can press ▶❙ to switch irrigation zone, or press ■ to stop irrigation.



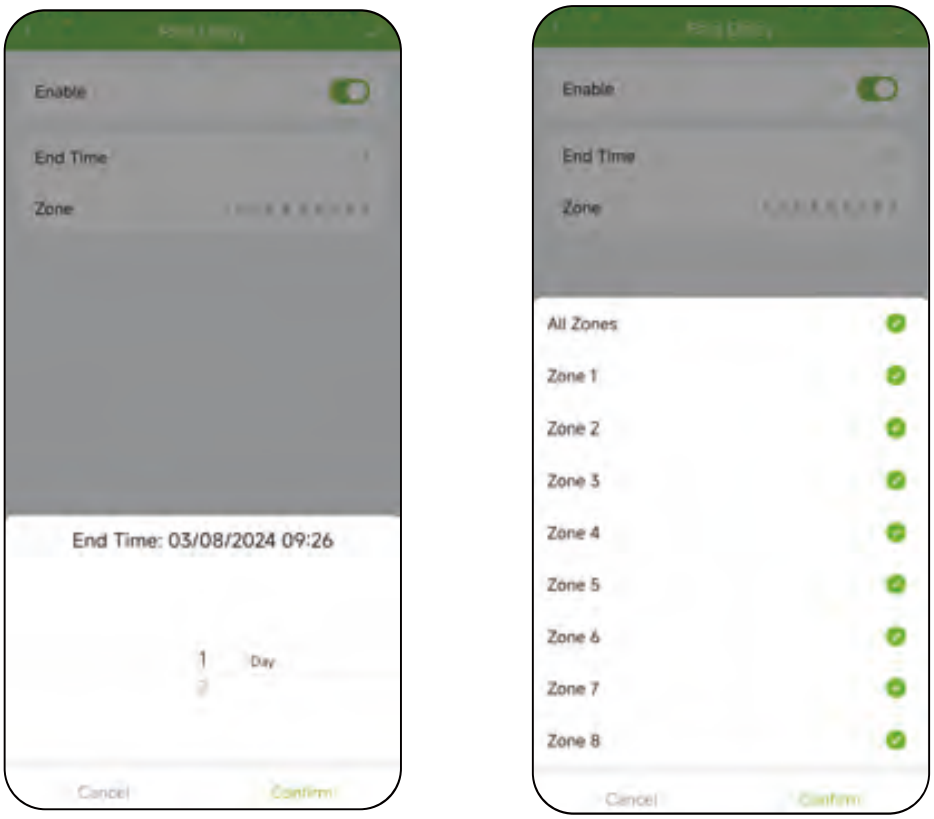
Note: When you turn on manual watering, if there is a plan running or a plan will start during your manual watering time, it will skip that plan.

4.7 Rain Delay Setting

a. Select zone and set the watering duration.



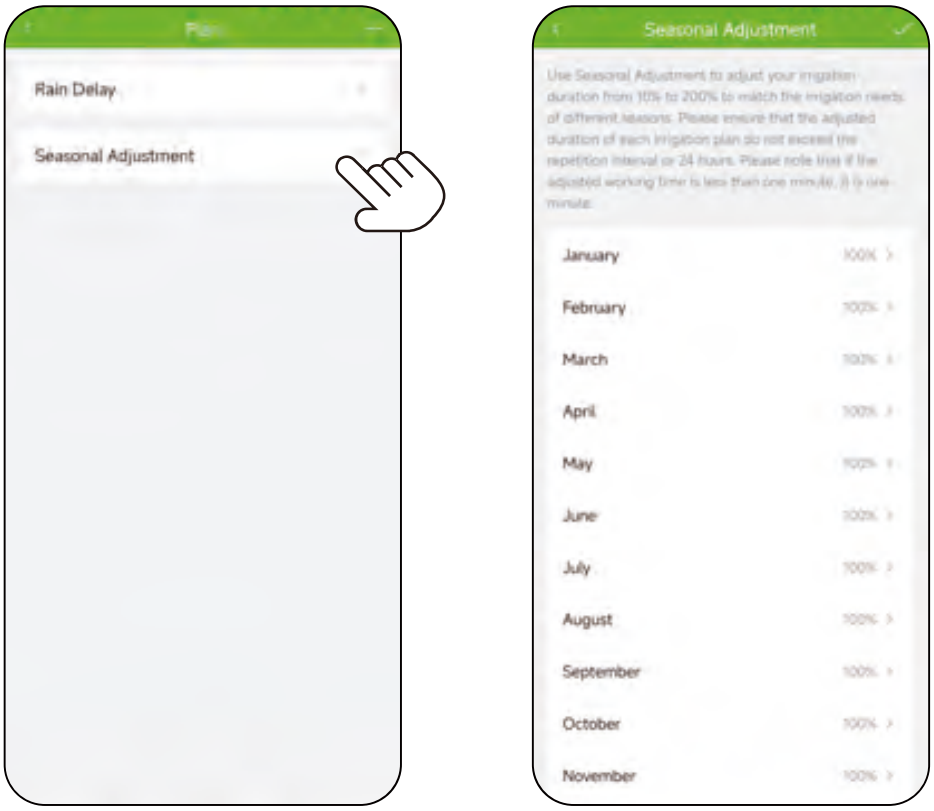
b. Select the rain delay time and delay zone.

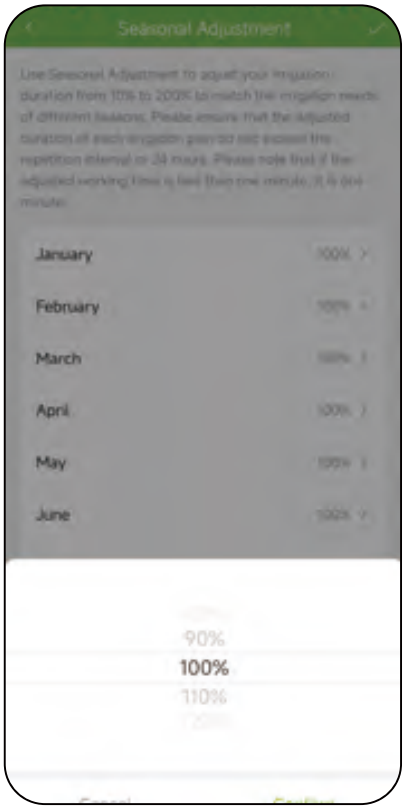


Note: Rain delay applies to rainy days or other weather that causes high soil moisture. During the rain delay, the timer stops watering. After the rain delay is over, the timer will be executed according to the next watering plan.

4.8 Seasonal Adjustment

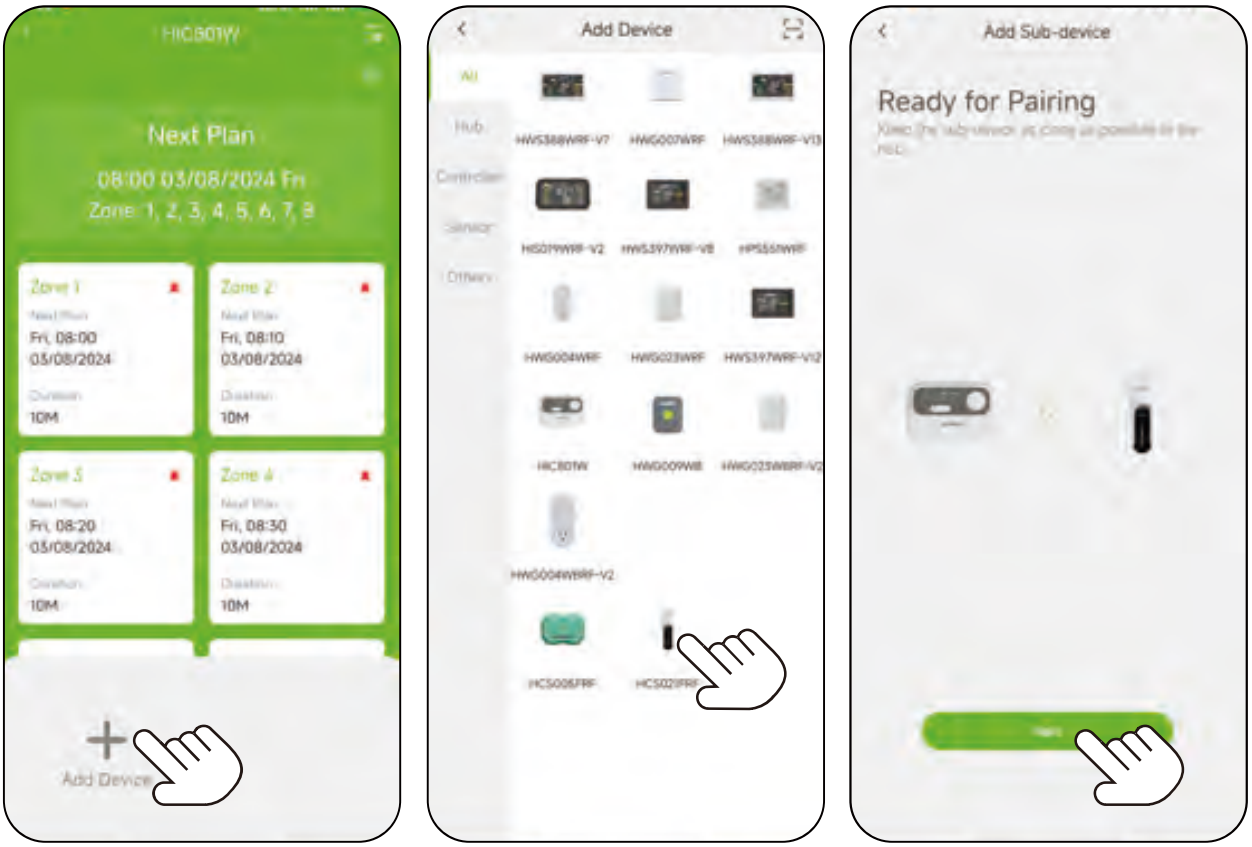
Seasonal adjustment for more seasonal environmental conditions, adjust your irrigation time (range: 10%–200%) to meet your irrigation needs in different seasons.



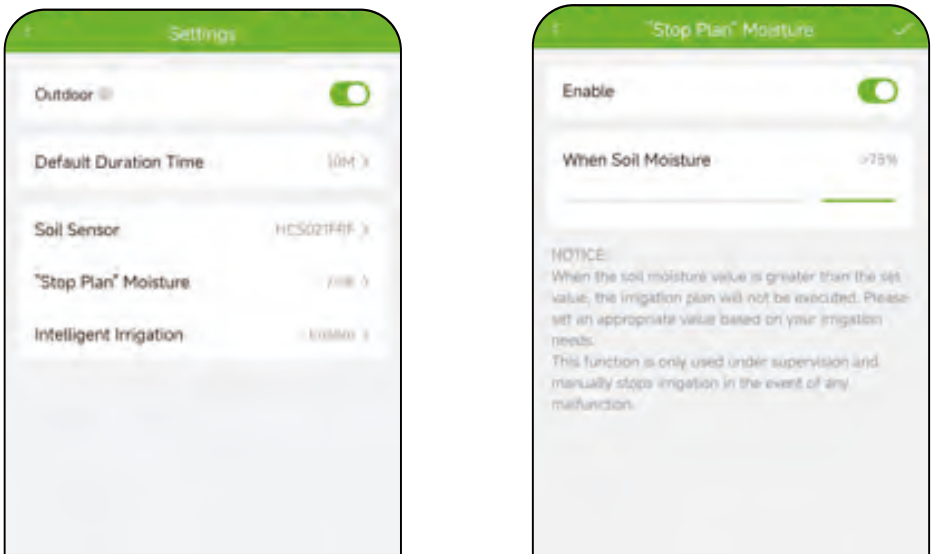


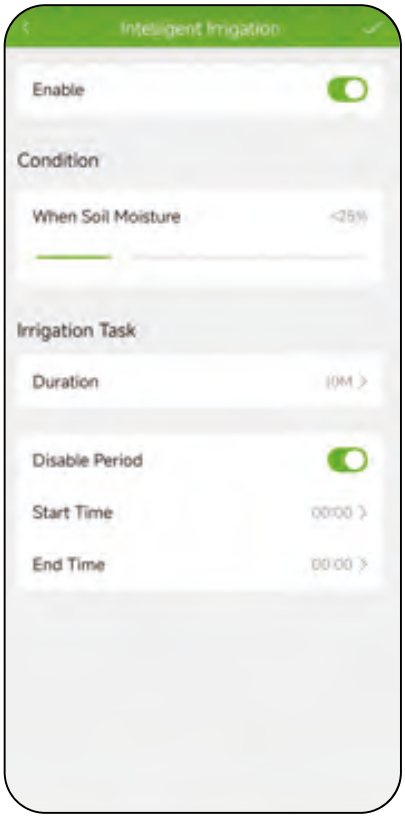
4.9 Sensor Adding

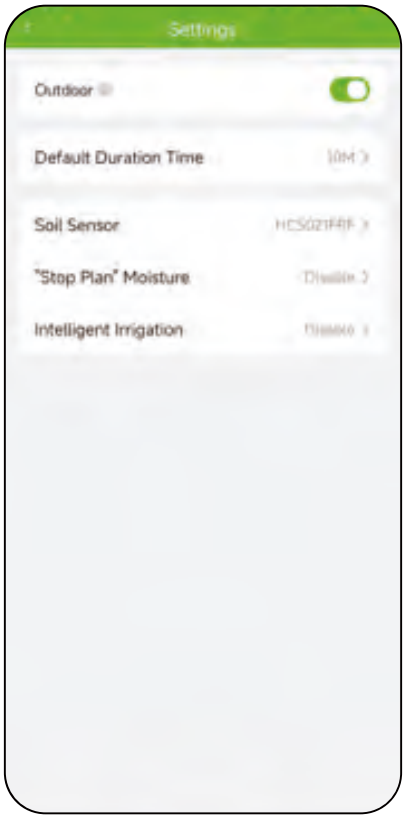
a. Add and pair the soil sensor.



b. Set **"Stop Plan"** Moisture and Intelligent irrigation to stop or start irrigation when soil moisture reaches the setting value.







Note: Need to purchase and pair RainPoint Smart+ soil sensor “HCS021RFR” to use this function.

4.10 Calendar

Press **"Calendar"** to check all date irrigation plan for different zones.

5. Troubleshooting

Problems	Possible Factors	Solution
Controller disconnec-tion	• WiFi signal is not stable. • Far away from Wi-Fi or too much interference.	• Try to connect again. • Move the controller near Wi-Fi. • Keep away from interference.
Unable to open valve	Wire at the connection is loose.	Tighten the screw and tighten the wire.
Plan doesn't start in time	The rain delay function is activated.	Check if the rain delay function is set.

6. Precautions

- Make sure to connect 2.4GHz band WIFI.
- Tighten the screws when installing it on the wall.

7. Warranty Policy

RainPoint provides a 1-year limited warranty on this product against manufacturing defects in materials and workmanship.

- Warranty service can only be performed by our authorized service center. The original dated bill of sale must be presented upon request as proof of purchase to us, or our authorized service center.
- To receive warranty service, the purchaser must contact with RainPoint nominated service center for the problem determination and service procedure.

Thank you for your choice of RainPoint products!

8. FCC Statement (FCC ID: 2AWDBHIC801W)

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.
2. This device must accept any interference received, including interference that may cause undesired operation.

FCC Warning: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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, 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 of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the 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.

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

The device has been evaluated to meet general RF exposure requirement.
To maintain compliance with FCC's RF exposure guidelines,thedistance must be atl east 20 cm between the radiator and your body, and fully supported by the operating and installation configurations of the transmitter and itsantenna(s).

9. Customer Support

If you find it difficult to set up and want to watch the setting tutorial video, please subscribe to our channel RainPoint on YouTube.

Or scan the QR code to visit the RainPoint channel on YouTube quickly.

If the app and the user manual don't have what you're looking for, and need some help about Rainpoint, please contact us by
LOT NO.: XXXXXX (on the back of the device)

Made in China

FR
BARQUETTE + ÉTUI
BAC DE TRI

FR
Cet appareil se recycle
À DÉPOSER EN MAGASIN
OU
À DÉPOSER EN DÉCHÈTERIE

Points de collecte sur www.quefairedemesdechets.fr
Privilégiez la réparation ou le don de votre appareil !

Need Help ?

Scan the QR code for more help.

or Email:

support@rainpointonline.com