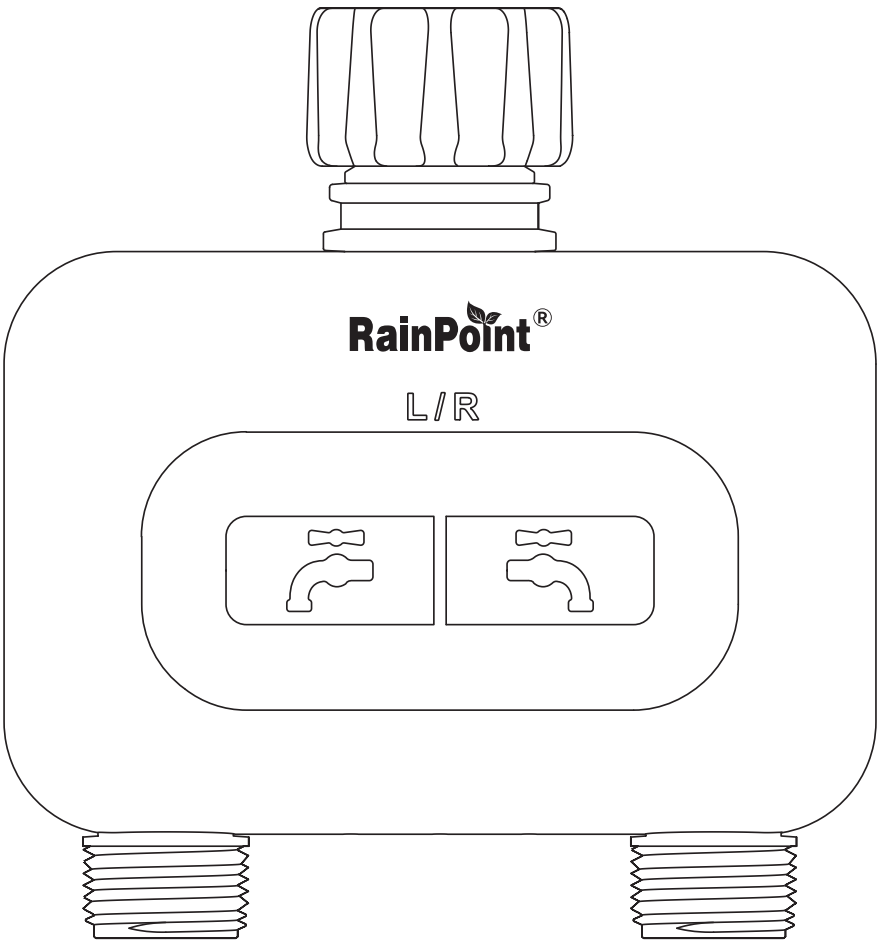
RainPoint®
More Than Water Saving

USER MANUAL

2-Zone Smart Hose Timer

Model No. HTV213FRF

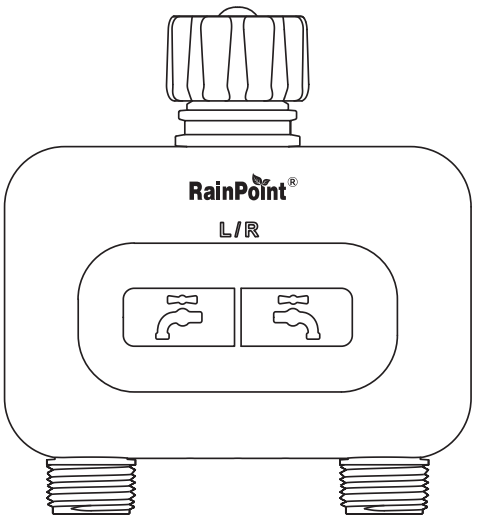


Welcome to the **RAINPOINT** family! Please read the manual before use to learn about the features and functions.

Contents

1. **Box Contents** 01
2. **Introduction** 02
   - 2.1 Product Overview 02
   - 2.2 Specifications 03
   - 2.3 Product Features 03
3. **Connection** 04
4. **Installation** 08
5. **Features And Functions** 09
   - 5.1 Device Home Page 09
   - 5.2 Basic Settings 10
   - 5.3 Zone Detailed Settings 11
   - 5.4 Plan Settings 12
   - 5.5 Charts 14
   - 5.6 Manual 14
   - 5.7 Rain Delay 14
6. **Smart Page** 15
7. **Share With Family Members** 17
8. **Troubleshooting** 20
9. **Precautions** 22
10. **Warranty Policy** 22
11. **FCC Statement** 23
12. **Customer Support** 24

1. Box Contents



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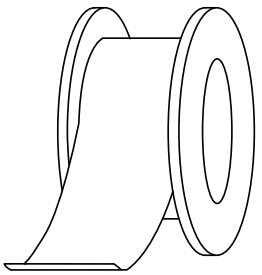

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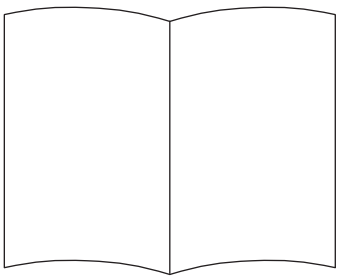

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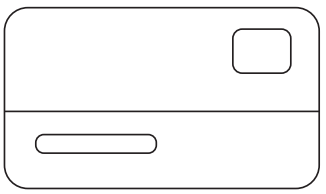

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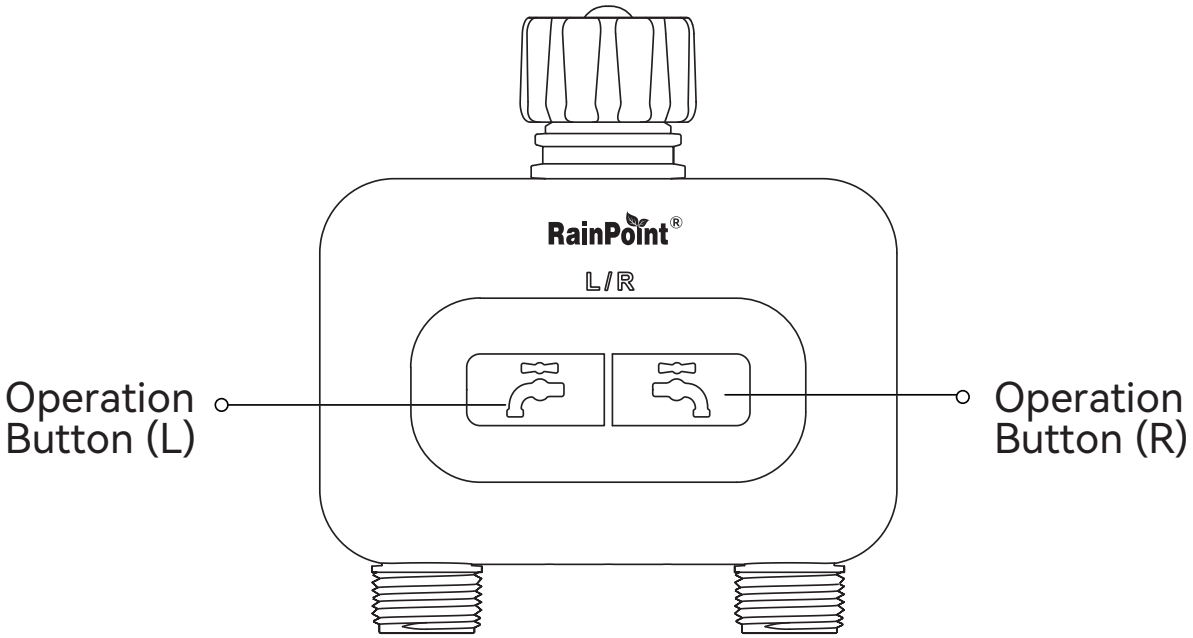
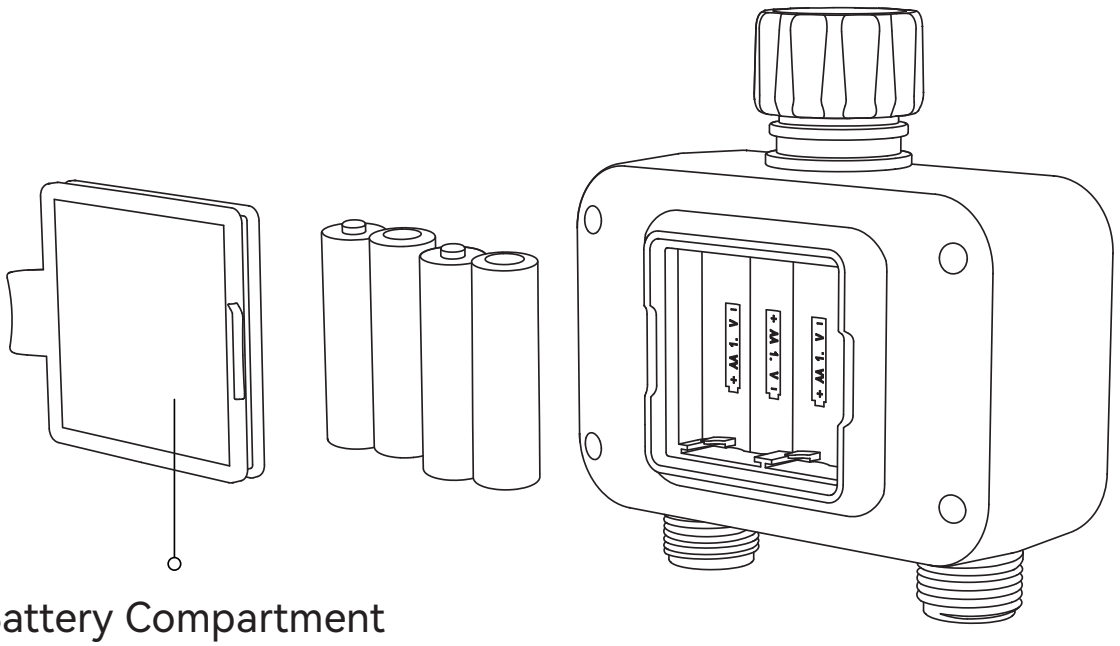
1. 1 X HTV213FRF 2-Zone Smart Hose Timer
2. 1 X User Manual
3. 1 X Sealing Tape
4. 1 X Warranty Card

2. Introduction

2.1 Product Overview





2.2 Specifications

- **Range:** 853 ft.(260 m) to hub, without interference
- **WiFi:** 2.4GHz Only
- **Waterproof Level:** IP54
- **Pressure Operating Range:** 7~116 psi (0.5~8 bar)
- **Flow Rate Range:** 1.32~9.25 gal/min (5~35 L/min)
- **Watering Duration:** 1min~12hrs
- **Temperature Operating Range:** 37°F~122°F (3°C~50°C)
- Maximum 6 plans per zone
- 4 AA batteries required (Not included)

Tips:

- Not For Use With Electrical Appliances.
- Do Not Mix Alkaline, Standard (Carbon-Zinc), or Rechargeable (Nickel Cadmium) Batteries.
- Used up or dead batteries must be removed from the timer and disposed of properly.
- For Outdoor Use With Cold Water Only.

2.3 Product Features

- App WiFi remote controlled
- Built-in flow meter with leak alert
- APP real-time water flow rate display
- APP water consumption history review
- **3 watering modes:** Normal Irrigation/ Interval Irrigation/ Cycle & Soak
- Set watering plans based on water usage
- Automatic monitoring of the watering process according to soil temperature and humidity (from the paired soil sensor).
- Auto start or stop watering base on soil moisture level
- Compatible with Amazon Alexa and Google Assistant voice control
- Multi-Zone outlets to meet more watering needs

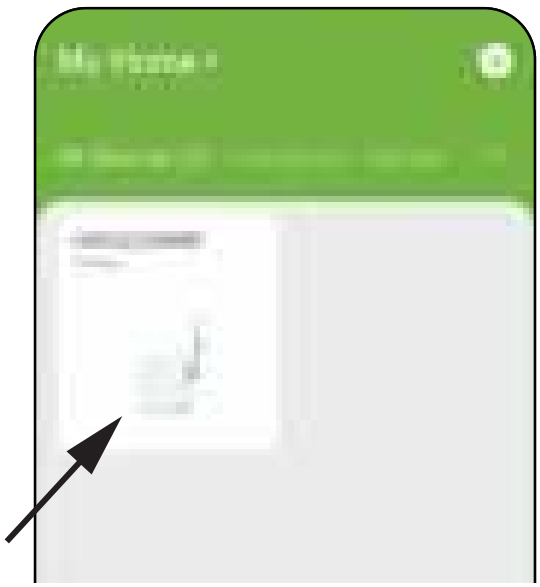
3. Connection

Tips: Scan the QR code or search the URL below to watch the video which will guide you through the basics, from setting up your hose timer to using unique features.
Video Address: https://bit.ly/4eqh2ks

Pair timer with hub

In order to remote control and manage irrigation plans, this timer needs to be paired with hub. Please refer to hub user manual to download app and connect the hub with WiFi network first.

1. After the hub is successfully connected with WiFi, select hub device on app home page , touch **"Add Device"** on hub home page.



2. Select the category **"Controller"** on the left and then find model **"HTV213FRF"**, or press on the top right corner to scan product QR code and enter pairing below.

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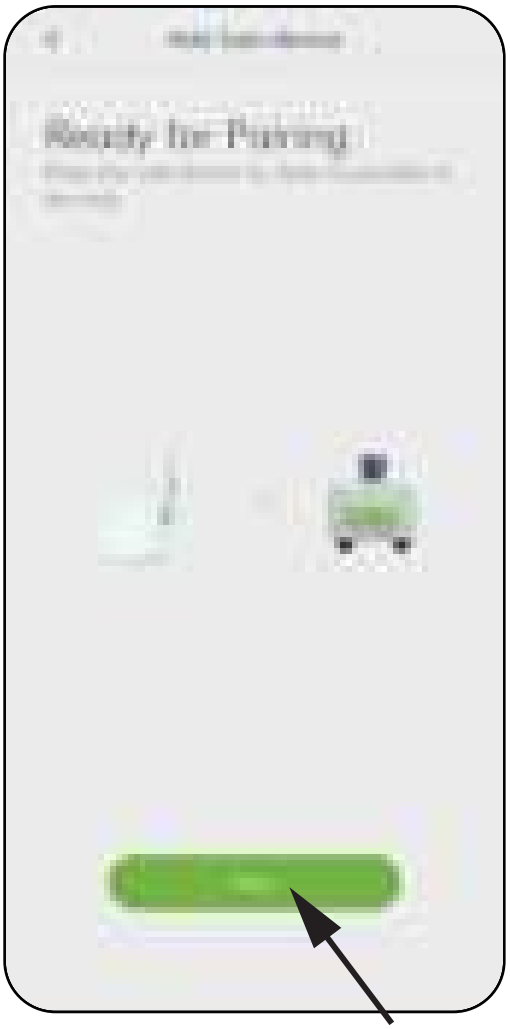
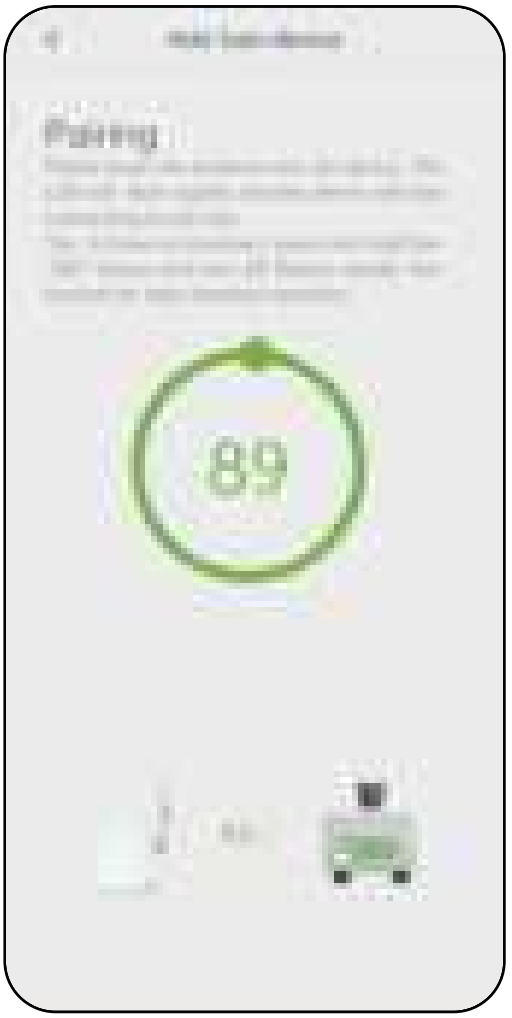
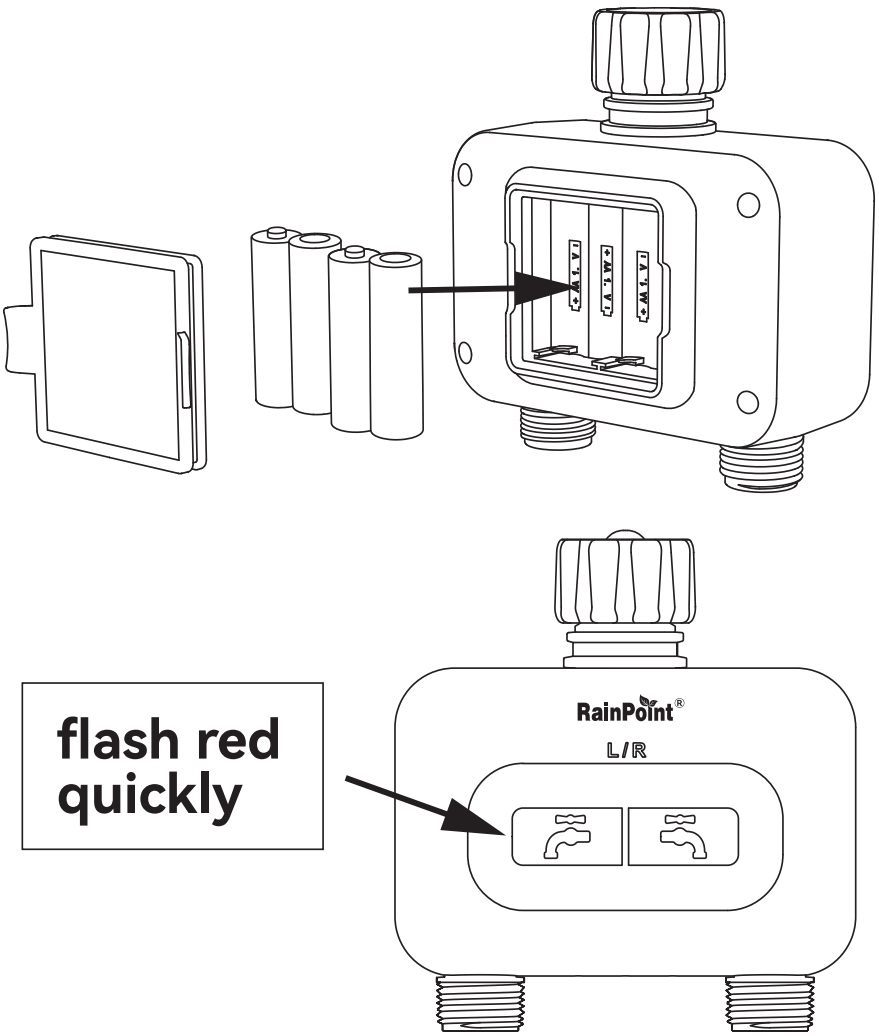
3. Tap Next and move onto Pairing page.





4. **Insert 4 new AA batteries** (NOT Included). And press and hold the **Operation Button(L)** for 5 seconds until the indicator flashes red quickly. Then the timer will start pairing automatically.

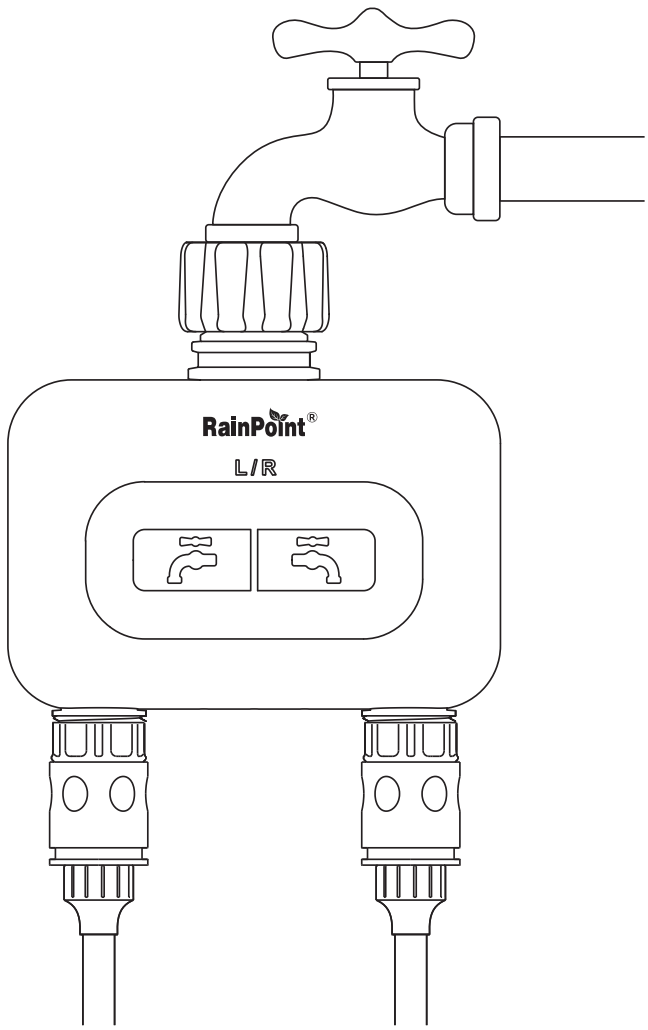


Tips:

- Make sure your hub and timer stay close together during pairing.
- If at any time you need to re-pair or do a factory reset, press and hold the **Operation Button (L)** until the red indicator light flashes quickly to activate pairing mode manually.

5. After successfully connecting, the last water usage value will display on the middle of **Device Home Page**. The next watering plan time will display as well after you creat plans.

4. Installation

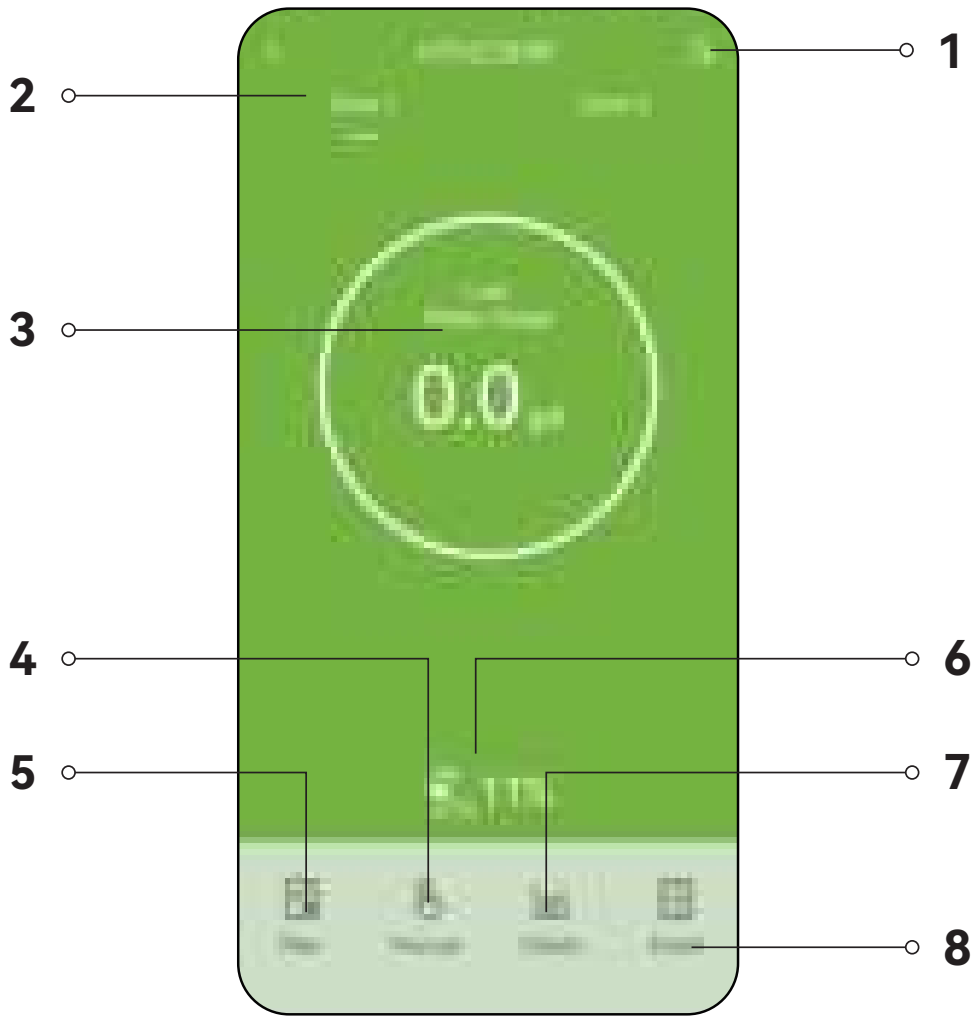


NOTE:

1. Please install your timer on the faucet perpendicular to the ground, not tilted or flat.
2. For better signal connection with the WiFi hub, please do not place the timer in an underground valve box.

5. Features And Functions

5.1 Device Home Page



1. **Settings:** Basic settings for the hose timer
2. **Left Zone & Right Zone**
3. **Next Plan Time & Last Water Usage**
4. **Manual:** Manual watering settings
5. **Plan:** Create and manage watering plans

6. **Soil Moisture:** Display soil data if you add a paired RainPoint WiFi Soil Meter
7. **Charts:** Water Consumption Bar Chart
8. **Event:** View execution history for the past year

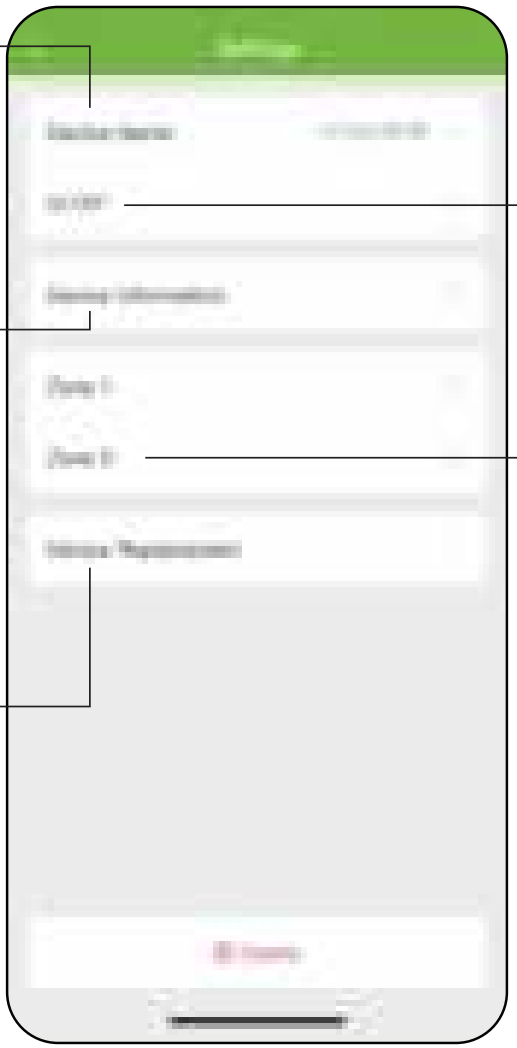
5.2 Basic Settings

Find the icon on the top right corner of the Device home page to **"Settings"** page.

Device Name
Edit the name of the timer

Device Information
Check Device ID, model #, battery level and firmware version

Device Replacement
Replace the timer with a new one while keep the irrigation plans and sensor data record from the old timer



UI DIY
Choose front color & background picture

Zone 1/Zone 2
Zone detailed settings

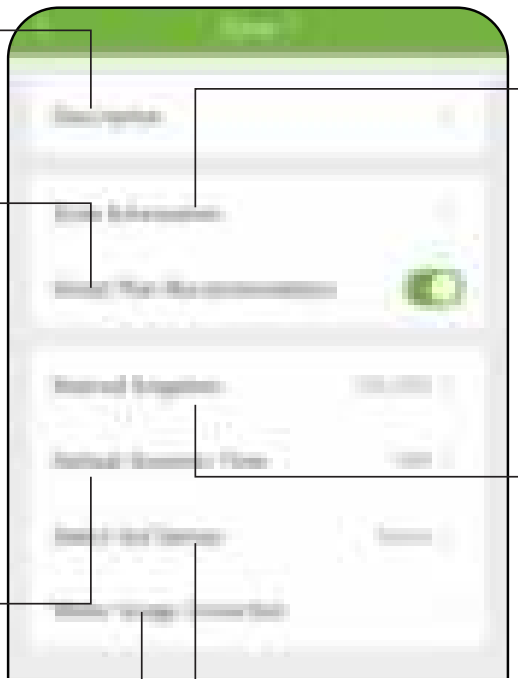
5.3 Zone Detailed Settings

Description
Edit the name of the zone

Smart Plan Recommendation
Enable to display recommended values for irrigation duration and frequency based on your local climate data

Default Duration Time
Set a default watering duration for manual irrigation from 1min to 12 hrs as desired

Water Usage Correction
Manual calibration in case of inaccurate water consumption



Zone Information
Edit information notes for the zone (e.g. soil type in the area, planted vegetation type, sprinkler type, etc.)

Interval Irrigation
Set the valve Run Time and Interval for the manual interval irrigation

Select Soil Sensor
Choose RainPoint smart soil sensor you would like to connect to the timer

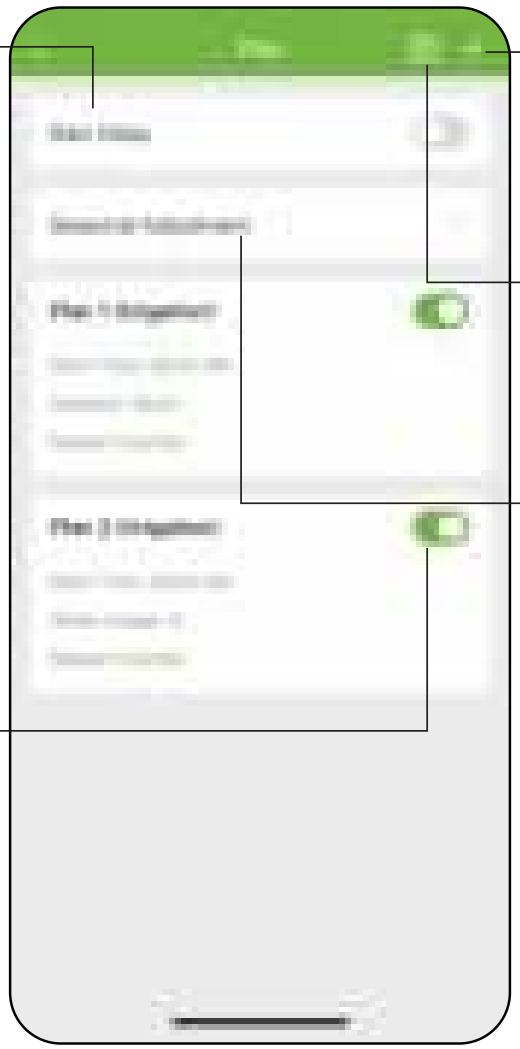
Tips: After enabling Smart Plan Recom-mendation, the recommended values will be displayed as shown on the right.

5.4 Plan Settings

Select **Plan** and start to create a new auto-watering plan.

Rain Delay

The timer will skip all plans during the selected period (24/48/72 hrs) to prevent overwa-tering.



Add a new irrigation plan

Timetable overview of all plans

Seasonal Adjustment

Set and Adjust the monthly water consumption of irrigation plan by percentage

Turn the plan on or off

Tips: Up to 6 plans can be created.

Watering Mode

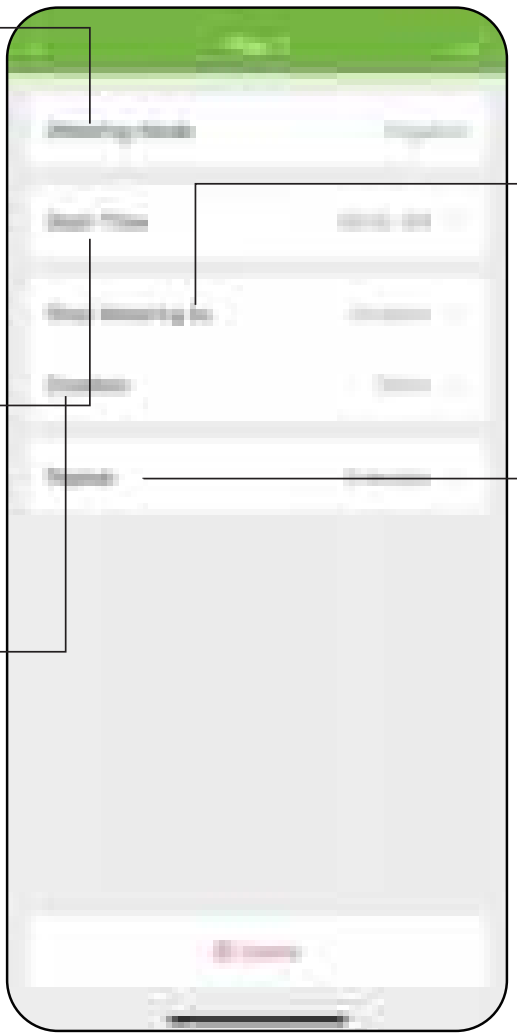
Select an irrigation mode (Normal Irrigation/ Interval Irrigation/Cycle & Soak)

Start Time

Set the time that the plan starts

Duration

Set a watering duration for the plan from 1min to 12 hrs as desired



Stop Watering by

Select a way to stop watering, Duration or Water Usage

Repeat

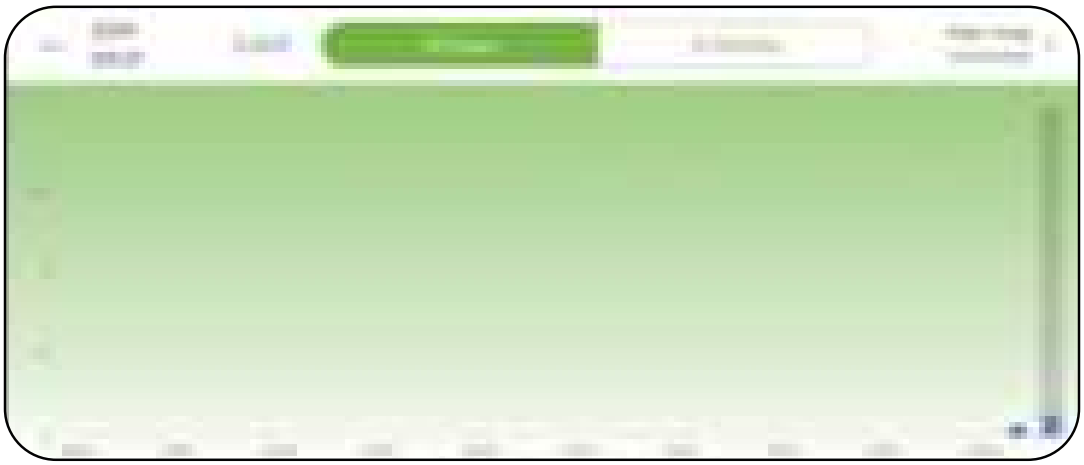
Set the watering frequency for your plan

Tips:

- **Normal Irrigation:** Simple continous irrigation.
- **Interval Irrigation:** Intermittent quick watering with mist time and interval period.
- **Cycle & Soak:** Watering in cycles, alternating between watering times and soaking absorption periods.
- **Stop Watering by Water Usage:** Once either the Water Usage limit or the Maximum Watering Time is reached, irrigation will automatically stop.

5.5 Charts

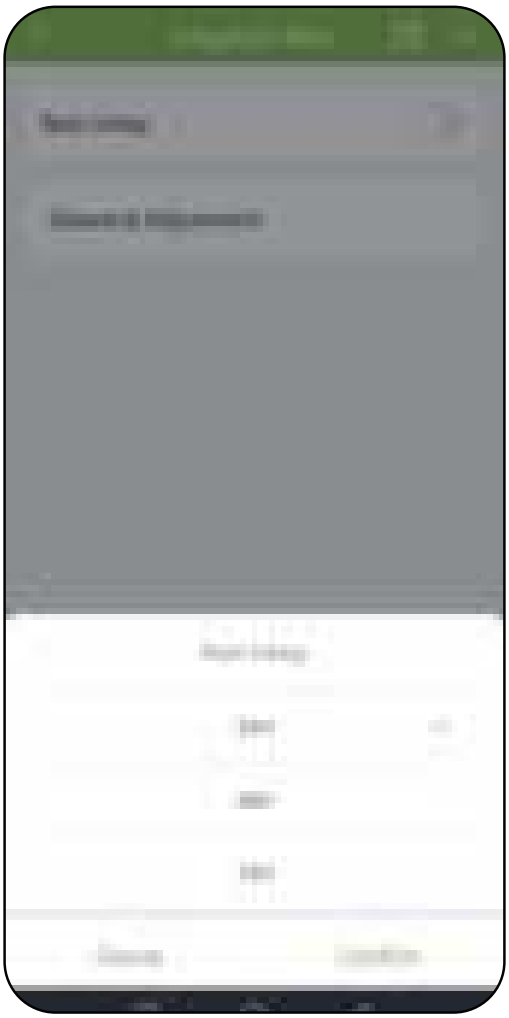
Select **Charts** to review your timer's daily or monthly water usage.



5.6 Manual

One-time temporary watering. Setup operations refer to the **"Plan Settings"** section above.

Note: If a plan is running when manual watering is started, or if a plan is about to run during the current manual period, it will be skipped this time.



5.7 Rain Delay

After clicking the Schedule button, you can see the Rainy Day delay button. 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 schedule. The timer can set a rain delay of 24/48/72 hours.

6. Smart Page

Set up customized **Smart Scenes** according to your preferences and needs to build RainPoint's device IoT system. In this way, your hose timer will automatically adjust watering plans and send various notifications based on the plants' environment.

Follow the in-app instructions to complete **Smart Scene** settings.

Tips:

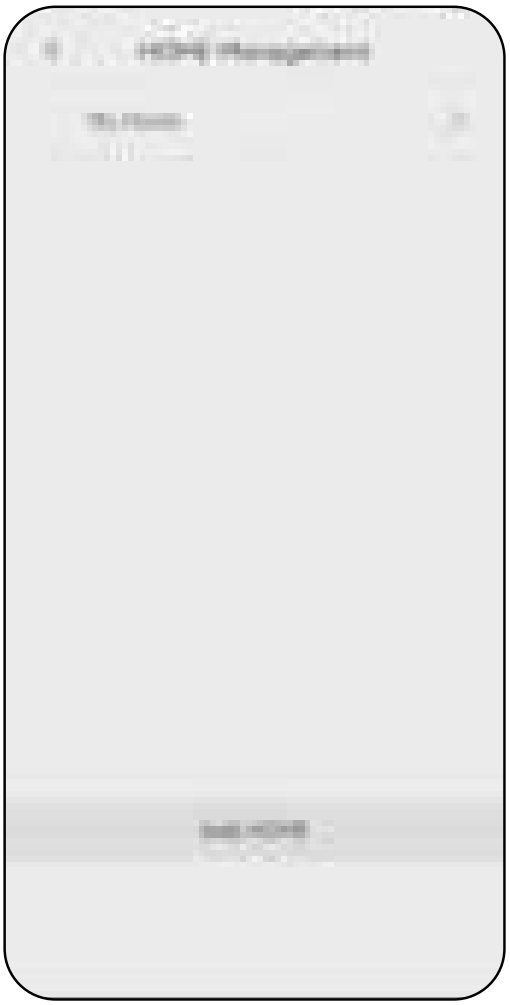
- **Smart Scene Operation logic: "If"** selected condition is triggered, **"Then"** execute the specified task.
- Up to **5 conditions** and **5 tasks** can be added.
- In **Time** condition pane, **Execution Time** can be set to the sunrise/sunset time at your location (based on in-app weather forecast).
- **Conditions Trigger Relationship Setting:** Touch the icon ⌄ below **If**. Here you can select the type of trigger relationship between multiple conditions.

- Tap the icon ••• on the upper right corner of **Smart Page**, and tap **Manage** to delete scenes.
- Tap the icon ••• , tap **Logs** to view execution history.

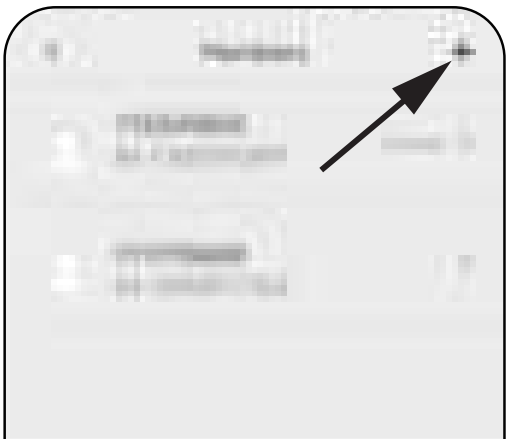
7. Share With Family Members

Tips: To achieve joint management of multiple mobile phones/multiple members, it is necessary to set up a separate account for each mobile phone/each member and log in on different mobile devices (tablets, cellphones) .

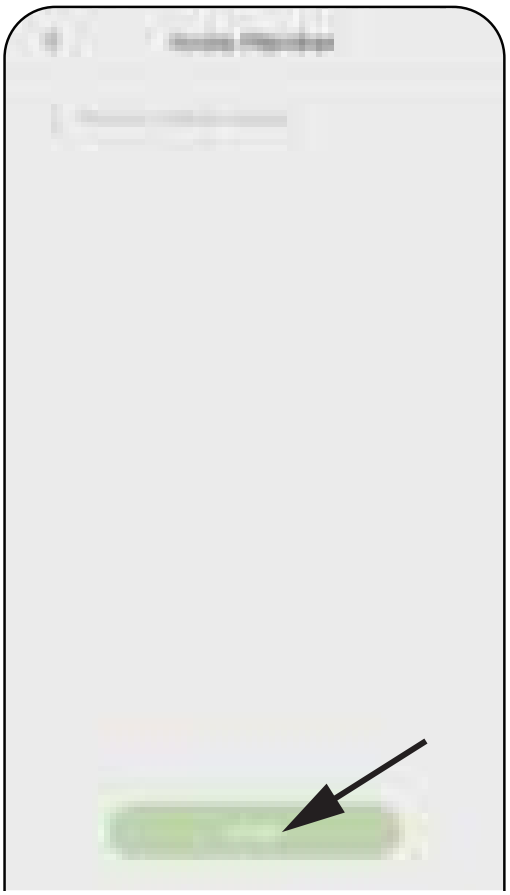
1. Select on the **"Me"** page at the bottom right, enter into **"HOME Management"** . And then Select the group you set up earlier.

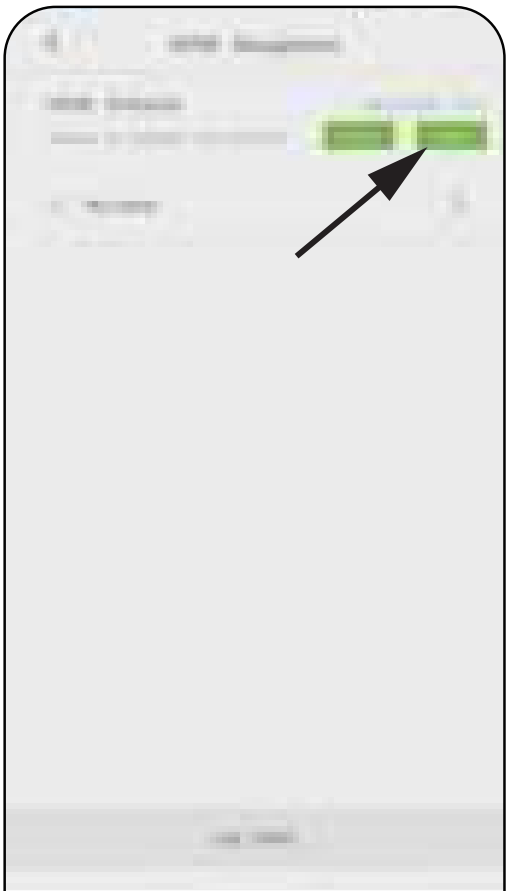


2. Tap on **"Members"** and press + on the top right corner.

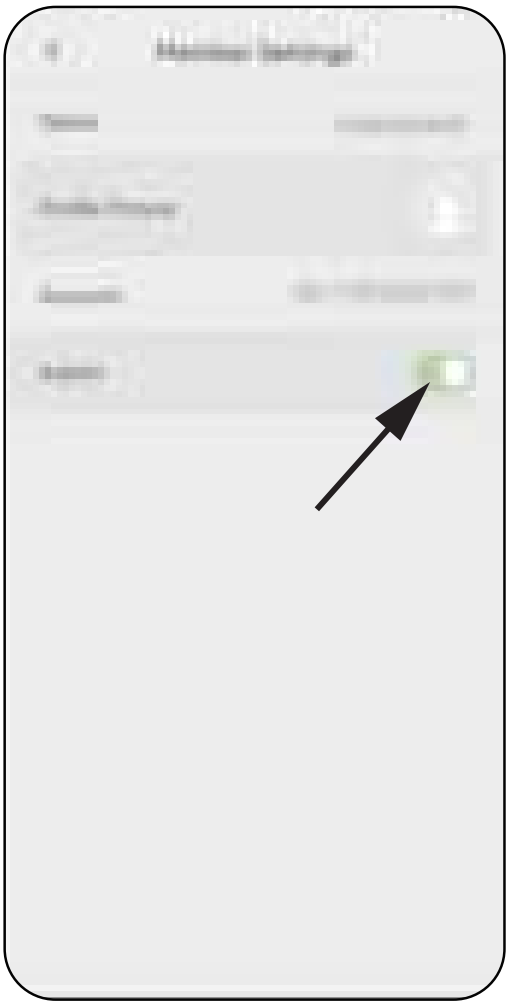


3. Enter the email or mobile number of the invited member (the member need to complete the account registration in the APP on his mobile phone). Then select **"Invite"** and tap **"Accept"** in the invited phone app.





4. On the **"Members"** page of the owner APP, select the member you want to adjust, and then tap **"Admin"** to adjust the member's permission.



8. Troubleshooting

Problem	Possible Factors	Some Solutions
Can't turn on/off the valve	• Low battery. • Impurities in water inlet. • Unstable network or delayed response.	• Replace new batteries. • Regularly clean the filter port of impurities to avoid disruptions in use. • Wait a while and try again.
Inaccurate water flow meter	• Inaccurate statistics due to tilted mounting angle. • Low or fluctuating water pressure from the tap.	• The water timer needs to be installed vertically to the ground. It is recommended not installed at an angle to avoid affecting the measure-ment of water flow data. • Normal error range of water flow measurement is ±5%.
Timer can't connect	• Unstable WiFi network. • Long distance from the hub. • Timer not in pairing state.	• Check if the WiFi network devices are working properly. • Keep close to hubs and routers when connecting the timer. • Re-pair the timer: Press and hold Operation Button (L) until the red light flashes rapidly to indicate pairing. (Or remove the device from the home page and reconnect.)

Problem	Possible Factors	Some Solutions
Hub can't connect	• Not using 2.4GHz WiFi. • Incorrect WiFi password. • Distance between sensor and hub is too far.	• Confirm 2.4GHz WiFi connection. • Confirm that the WiFi password you entered is correct. • Stay closer to the hub while connecting.
Plan not executed on time	• Water inlet filter is clogged with impurities. • Rain Delay is on. • In a low power state, the timer goes into a low power protection state and does not execute the schedule. The parameter of irrigation duration/ period is set to null.	• Inlet impurities need to be cleared regularly so that they do not clog up and interfere with irrigation plans. • Check if the rain delay parameter is set. • Replace fresh batteries. • Check that the irrigation duration/period parameter is set.

9. Precautions

- Please make sure to use 2.4GHz band WiFi to connect this timer.
- Please install your timer vertically to avoid device body damage and inaccurate water flow measurements.
- Under freezing temperatures, timers should be removed from the spigot and stored indoor to avoid potential freezing damage.
- Please clean filters regularly and replace if it is worn in order to prolong working life of timer.

10. Warranty Policy

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

11. FCC Statement (FCC ID: 2AWDBHTV213FRF)

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.

12. Customer Support

Please subscribe to our channel: **RainPoint** on YouTube for tutorial videos.

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

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)

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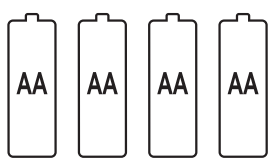

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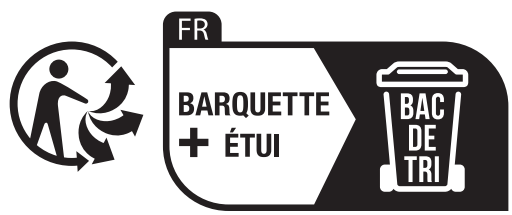

Points de collecte sur www.quefairedemesdechets.fr
Privilégiez la réparation ou le don de votre appareil !

V2

Need Help ?

Scan the QR code for more help

or Email:

support@rainpointonline.com