Remo Garden®

Smart Sprinkler Controller

User Manual

- Remote Control
- 50% Water Saving
- Flexible Scheduling
- Quick & Easy Installation

✉ support@remo-garden.com

🌐 http://support.remo-garden.com

If you have any questions or run into issues while using your device, we're here to help!
Simply email us at support@remo-garden.com with a detailed description of your concern.
Our dedicated technical support team will work to resolve it for you as soon as possible.

R Remo Garden

What's In the Box?

Smart Sprinkler Controller

Label Paper

Mounting Template
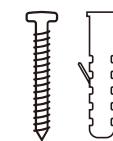
3 Wall Screws with Anchors
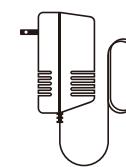
Power Adapter

Notice: Remo Garden Smart Sprinkler Controller is designed for indoor installation only.

Product Diagram

Next Zone

Start/Pause Watering

Previous Zone

RESET

Stop Watering

WiFi 1 2 3 4 5 6 7 8

C M 1 2 3 4 5 6 7 8 C S1 S2 24VAC
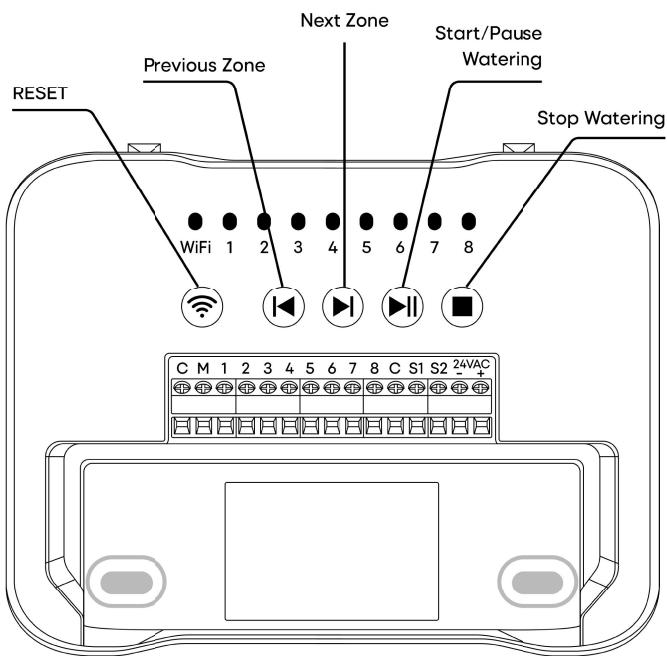
Select a Specific Zone
Press ⏮ ⏭ to select the specific zone.

Start/Pause Watering
Press ⏯ to start/pause watering anytime.

Stop Watering
Press ⏹ to exit the current watering state.

Reset the Controller
When adding a device or updating its Wi-Fi settings while it is offline, press and hold the "RESET" button 📶 for 5 seconds. Then, follow the app's prompts to complete the remaining steps.

What You'll Need

Wi-Fi Access
(2.4GHz)

Smartphone
or Tablet

Cross
Screwdriver

Hammer
(Drywall Installs)

Drill and Drill Bit
(Drywall Installs)

Electrical Specifications

Input	120V AC 60Hz
Output	24V AC, 1000 mA

Controller Ratings

Input/Output	24V AC 1000 mA 60Hz

Remove Old Controller

1. Run a test cycle on the old controller to ensure the sprinklers and valves are working correctly.

2. Take a photo of the current wiring as a reference during the new controller installation.

3. Turn off the power, disconnect each wire, and tag them with label paper for easy identification.

4. Remove the old controller from the wall.
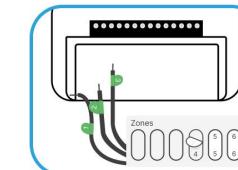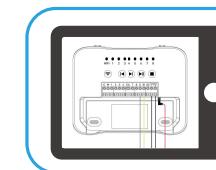
Install New Controller

1. Mark the installation points using the provided template, then drill anchor holes at the marked spots with the appropriate drill bit.

2. Insert wall anchors and gently tap them into place with a hammer until secure.

3. Secure the controller to the wall using the provided screws.

4. Connect the labeled wires to their corresponding terminals on the controller.

5. Establish power supply to the controller.

Notice: Prior to installation, verify Wi-Fi signal strength is adequate at the mounting location.
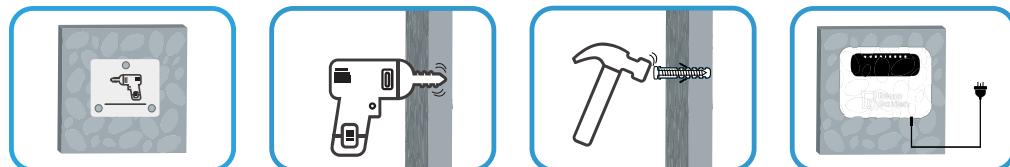
Connect Wires

1. Refer to the photo of your previous wiring to identify the common wire and zone wires.

2. Loosen the port screw by turning it counterclockwise until it reaches the bottom.

3. Insert the common wire into the **"Common" (C)** terminal, then turn it clockwise to secure the wire.

4. Connect each remaining wire to its corresponding numbered terminal, ensuring only one wire is attached to each terminal.

5. Gently tug each wire to confirm it is securely connected.
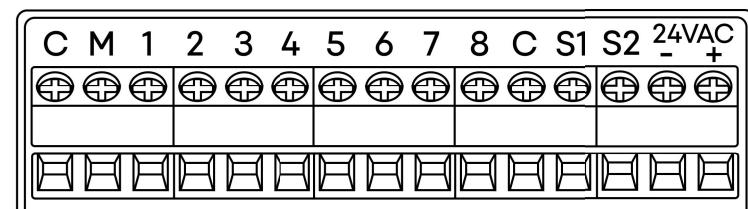
1. Common Wire:

Common wires are always in white; connect them to the **"C"** terminal.

2. 1-8 Zone Wires:

Connect each pre-labeled zone wire to its corresponding port.

3. Master Valve/Pump Start Relay:

Master valve wires are often labeled **"M," "MV," "P"** or **"MV/P"**.
Connect it to the **"M"** terminal if available.

Once connected, open Remo Garden app. Navigate to Settings > Controller Settings > Advanced Wiring (M Terminal). Then, select 'Master Valve' to enable the function.

Wiring Diagram
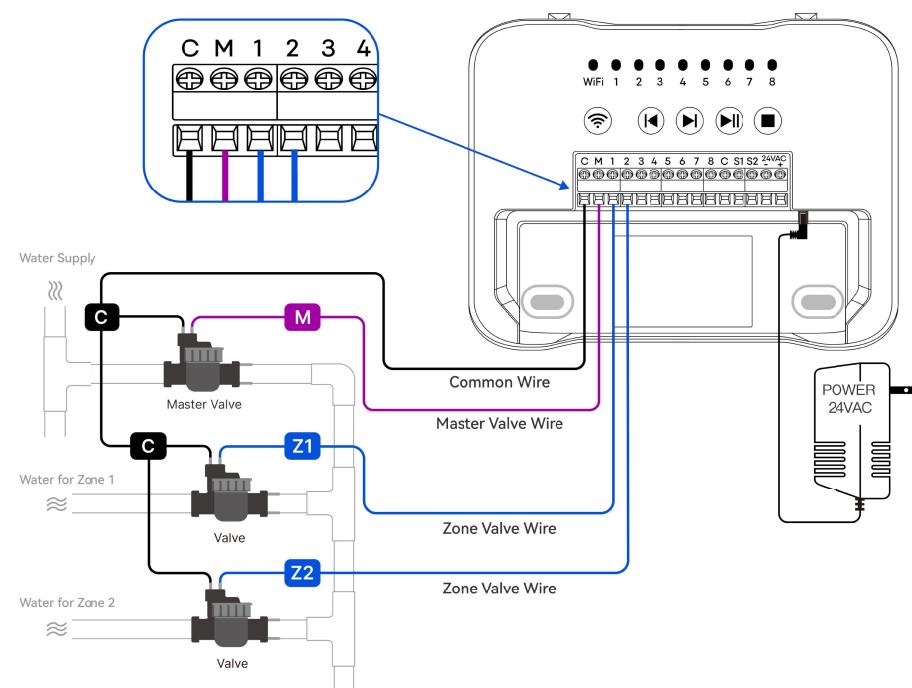
Sensor Wiring

1. Rain Sensor

Remo Garden is compatible with all normally closed and normally open rain sensors, whether wired or wireless. Connect them to the controller using the **"S1"** and **"C"** terminals.

2. Flow Sensor

For flow sensors, connect them to the **"S2"** and **"24VAC-"** terminals on the controller.

After wiring, go to **Settings > Controller Settings > Sensor** in the App, and select the S2 terminal to activate the sensor.

For more sensor content, scan the QR code below or visit remo-garden.com/sensors.

remo-garden.com/sensors

Wired Sensor Wiring
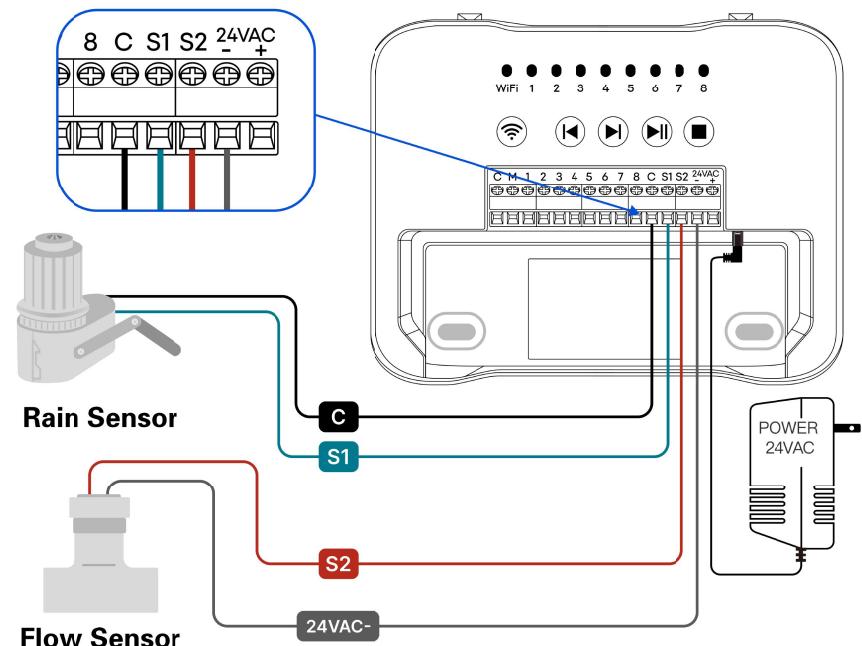
Wireless Sensor Wiring
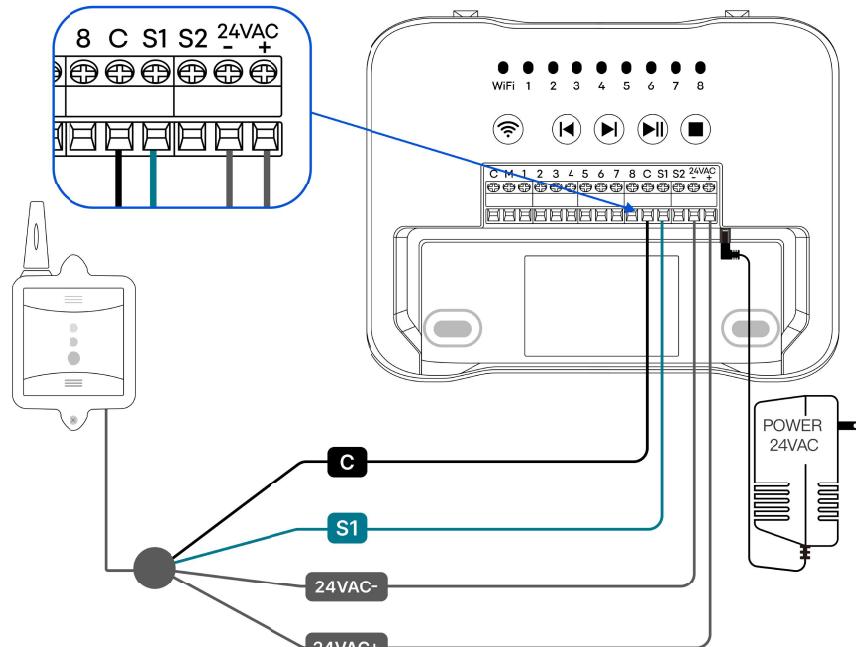
PSR Wiring

For pump-dependent sprinkler systems, Remo Garden controller requires a normally open pump start relay (PSR). Connect the relay's leads to the controller's **"C"** and **"M"** terminals, then connect the relay to the pump.

In Remo Garden app, go to **Settings > Controller Settings > Advanced Wiring (M Terminal)** and select **"Well/Pump Start Relay."**

Notice: Never directly connect the water pump to the controller.
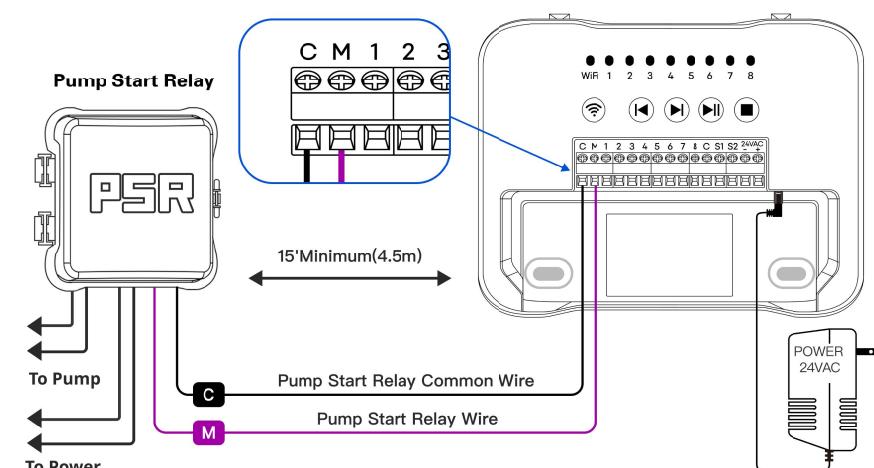
Download App

1. Find Remo Garden app on the Apple App Store or Google Play, or scan the QR code below to download it.

2. Follow the in-app instructions to create an account.

3. Sign in with your account.

Download on the App Store

GET IT ON Google Play

Notice: Apple and the Apple logo are trademarks of Apple Inc. registered in the U.S. and other countries. App Store is a service mark of Apple Inc. Google Play and the Google Play logo are trademarks of Google LLC.

Add New Controller

Remo Garden app will guide you step-by-step through adding and configuring your controller.

For more details, scan the QR code below to watch the tutorial video.

remo-garden.com/ios-adding

remo-garden.com/android-adding

iOS Adding

1. On your iPhone, open the **Control Center** .

2. Go to **Settings > Privacy & Security > Location Services**, turn on **Location Services**, and allow Remo Garden app to access your location.

3. Turn on the controller and press the reset button for 5 seconds.
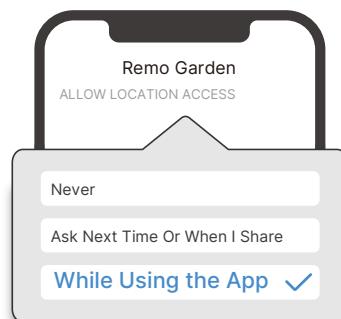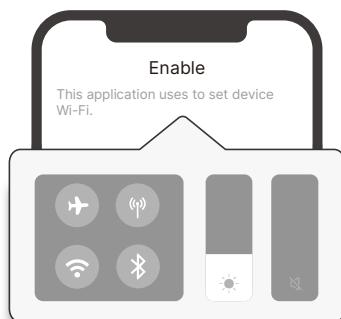
4. Keep your phone within 10 feet of the controller, then open Remo Garden app, scan for and select the controller, and name it.

5. Enter your 2.4GHz Wi-Fi details, or tap **"Get phone's Wi-Fi"** to automatically retrieve the network your phone is connected to.

6. Enter your address and select the nearest weather station to finish the setup.

Enable
This application uses to set device Wi-Fi.

Remo Garden
ALLOW LOCATION ACCESS

Never

Ask Next Time Or When I Share

While Using the App ✓

< Settings   WLAN

WLAN

☀ Home 2.4GHz Wi-Fi

MY NETWORKS

WLAN

✓ Home 2.4GHz Wi-Fi (i)

Add Controller
This application uses to set device Wi-Fi.

Get phone's Wi-Fi

Home 2.4GHz Wi-Fi

Password

Android Adding

1. On your phone, open **Quick Settings** and turn on and **Location Services**.

2. Turn on the controller and press the reset button for 5 seconds.

3. Keep your phone within 10 feet of the controller, then open Remo Garden app, scan for and select the controller, and name it.
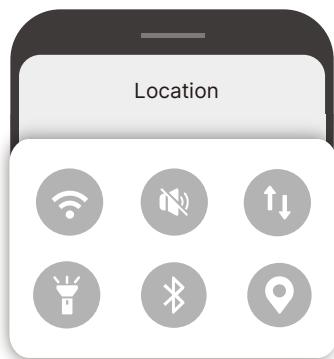
4. Tap **"Switch Wi-Fi"**, select your home 2.4GHz Wi-Fi network, and enter the correct password to connect.

5. Enter your address and select the nearest weather station to finish the setup.

Notice: Schedules will run as programmed even Wi-Fi connection is lost. However, to restore full functionality, the controller must reconnect to the network.
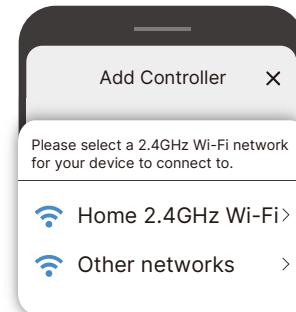
Continuous Improvement

Remo Garden controller receives regular updates to add new features and improve your experience. As a result, some operations may differ slightly from the manual. For the most accurate guidance, always follow the in-app instructions and prompts.

If you are unsure about the installation or set-up process, please scan the QR code below to access our guidance.

support.remo-garden.com

Normal Lights
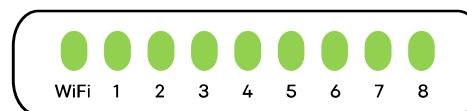
Waiting for Connection
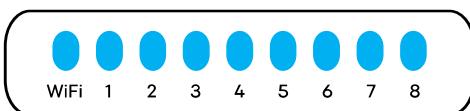
Controller Activated (blue breathing)
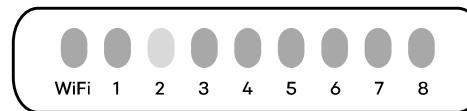
Watering
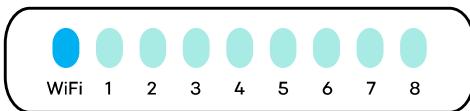
Firmware Updating

Network Error Lights

🟡 Slow flashing   🟡 Fast flashing   🟡 Slow flashing   🟡 Fast flashing

While Adding:
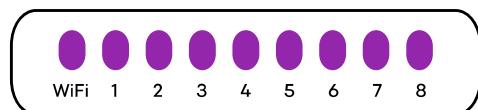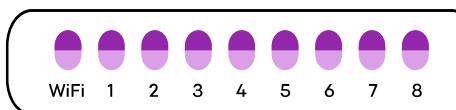
WiFi 1 2 3 4 5 6 7 8	WiFi 1 2 3 4 5 6 7 8
Connecting to Router	Router Connection Failed
WiFi 1 2 3 4 5 6 7 8	WiFi 1 2 3 4 5 6 7 8
Connecting to Wi-Fi	Wi-Fi Connection Failed
WiFi 1 2 3 4 5 6 7 8	WiFi 1 2 3 4 5 6 7 8
Connecting to Server	Server Connection Failed
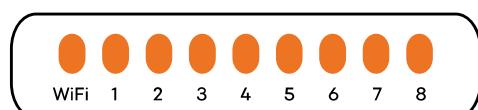
After Added:
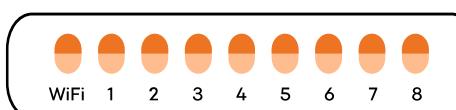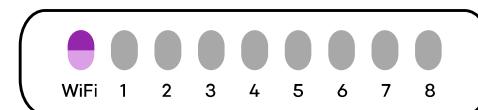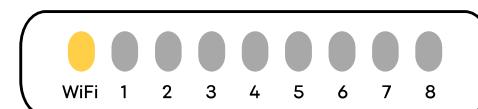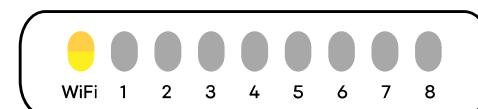
WiFi 1 2 3 4 5 6 7 8	WiFi 1 2 3 4 5 6 7 8
Connecting to Router	Router Connection Failed
WiFi 1 2 3 4 5 6 7 8	WiFi 1 2 3 4 5 6 7 8
Connecting to Wi-Fi	Wi-Fi Connection Failed
WiFi 1 2 3 4 5 6 7 8	WiFi 1 2 3 4 5 6 7 8
Connecting to Server	Server Connection Failed

Hardware Error Lights
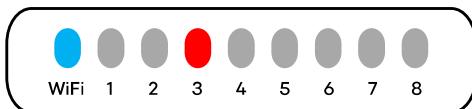
Zone Short Circuit
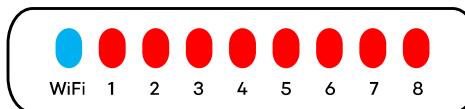
'M' Short Circuit
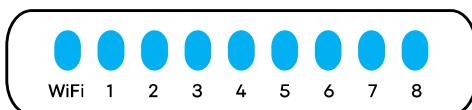
Light Failure (steady blue)

Network Error Solutions

Router Connection Failed

1. Power off the router, wait 30 seconds, then restart to refresh its status.
2. If an ad-blocker is enabled on your router, try disabling it to prevent connection interference.
3. Verify if other devices on the same Wi-Fi network are connecting normally. If other devices can't connect either, it may be a network issue - please contact your Internet Service Provider (ISP).

Server Connection Failed

1. Wait for 5 minutes and try connecting again.
2. If the issue persists, please contact our support team (support@remo-garden.com) with your device details for further troubleshooting.

Wi-Fi Connection Failed

1. Ensure your device is connected to a 2.4GHz Wi-Fi network.
2. Check if the correct Wi-Fi password has been entered.
3. Power off the router, wait 30 seconds, then restart.
4. Reset the controller and try adding the device again.
5. Move the router closer to the controller to reduce signal interference, then retry the above steps.

Hardware Error Solutions

Zone Short Circuit

Replace the solenoid of the zone valve.

'M' Short Circuit

Replace the solenoid of the Master Valve.

Light Failure

Power off the device for 5s and then restart it.

For detailed troubleshooting guides, please visit remo-garden.com /indicator. If the problem persists, please contact us at support@remo-garden.com with some pictures.

remo-garden.com/indicator

FAQ

1. Activation email not received, what to do?

(1) Check your email inbox and spam/junk folders.
(2) Ensure your mailbox isn't full.
(3) If the issue persists after requesting a resend: Try registering with a different email address, or contact us at support@remo-garden.com for assistance.

2. Failed to add the controller after multiple attempts, how to proceed?

(1) Make sure that Location and permissions have been granted.
(2) Try scanning the QR code or manually inputting the MAC address to add it.
(3) Ensure the controller is connected to a 2.4GHz Wi-Fi network and within the Wi-Fi coverage range.
(4) Ensure that the Wi-Fi password entered is correct.
(5) If an ad-blocker is enabled on your router, try disabling it to prevent connection interference.
(6) Close the app from the background and reboot the router, then try adding the device again.
(7) If the issue persists, contact the customer support team for help.

3. How to add and manage multiple controllers?

Go to the "Remo Garden" section in the top-left corner of the homepage to add new devices and easily switch between them for management.

4. How to share your controller with others?

Navigate to **Settings > Controller Settings > Device Access Management** to share your controller.

5. What type of Wi-Fi is compatible with Remo Garden controller?

Remo Garden controller is compatible exclusively with 2.4GHz Wi-Fi, which offers broader coverage and superior signal penetration.
If connection issues arise on a multi-band Wi-Fi, consider splitting the bands into separate networks, naming them differently, and connecting specifically to the 2.4GHz network.

6. What is ET Smart Schedule?

(1) The ET Smart Schedule customizes watering durations based on the specific attributes of each zone. Typically, ET schedules feature extended watering intervals with reduced frequency. This methodology promotes robust root development, augments plant resistance to drought, and contributes to the flourishing growth of vegetation.
(2) Each zone in the ET Smart schedule operates independently, considering its unique attributes. This includes executing the schedule and skipping watering when saturation levels are sufficient. As a result, some zones may be irrigated while others may not within the same schedule, ensuring tailored irrigation based on individual zone needs.
(3) The newly created ET Smart Schedule treats all zones as water-deficient and irrigates them until saturation during the first run. Hence, do not delete the ET Smart Schedule casually.

7. Why doesn't the schedule execute?

(I) App Settings Check

1. Weather Skip Function
Check the History page to see if any schedules were skipped due to weather conditions.

2. System Features
Confirm if Water Delay or Standby Mode is enabled. If so, disable these features and test the controller.

3. Rain Sensor Settings
If no rain sensor is connected, ensure the "S" terminal is disabled in the app:
Path: **Settings > Controller Settings > Sensor**.

(II) Component and Wiring Checks

1. Water Supply Check
Ensure the water source is delivering water properly.
If a Master Valve or pump is connected, manually open it and verify water flow.

2. Wiring Inspection
Gently tug on all wires to check for loose connections.
Verify that all terminal connections are secure.
Inspect for any broken or exposed wires (open lines).

3. Nozzle and Valve Inspection
Check nozzles or zone valves for blockages.
If blockages are found, clean or replace the affected components.

4. Replace it promptly.
Use the controller to run through all zones sequentially.
If the controller light turns red for a specific zone, it indicates a short circuit
in the solenoid valve for that zone. Replace the valve promptly.

8. How to winterize my sprinkler system?

(1) Close the main valve and backflow prevention valve: Make sure to close
the main valve and backflow prevention valve to prevent water from
entering the system and causing freezing and damage.
(2) Set Remo Garden to **"Standby"** mode: In the **"Settings"** screen, tap the
"Standby Mode" option and adjust the standby duration according to your
preferences. When the controller is in standby mode, it will not execute any
irrigation schedules, which helps reduce energy consumption and protect
system components.
(3) Drain the pipes: To prevent water from freezing and expanding in the pipes,
it is recommended to contact a local irrigation expert to perform this task.
They can use appropriate methods to drain the pipes completely and
ensure that water is removed.
(4) Isolate above-ground components: If the backflow preventer and valves
are located above the ground, you can use insulation tape to wrap them
and provide additional thermal insulation protection.

9. How to activate Flow Monitoring and get notified?

(1) After you connect the flow sensor to the controller, please go to **Settings
> Controller Settings > Sensor** to enable the corresponding terminal.
(2) Go to **Settings > Events & Alerts > Alert Settings > Flow Meter** and click
"+" to add monitoring.

10. How to activate the Valve Monitoring function and get alerts of high/low current?

(1) Go to **"Zones"** and select the zone you want to monitor. Turn on **"Valve
Monitoring"** and run the **"Recalibrate"** process to get the exact amperage
value of the solenoid valve in the selected zone. Set your preferred
percentage value for high/low current warning.
(2) Go to **Settings > Events & Alerts > Alerts Settings > Solenoid Valve** and
click **"+"** to add monitoring.

Remo Garden does not require any rain or soil sensors to take full advantage of smart watering.

In fact, Remo Garden controller acts as both soil and rain sensor by using our powerful software, numerous zone settings, and advanced weather forecasting to eliminate the need for external sensors (though you can certainly add one or both if you like!).

(3) When an abnormality is detected in the amperage value, you will receive a notification through the app as follows:
- Open Line Error for Zone xx.
- Low Current Alert for Zone xx.
- Electrical Short Error for Zone xx.
- High Current Alert for Zone xx.

FCC

FCC Statement
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:
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the 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 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.

The FCC RF Exposure Information

This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.