

RAINPOINT WG012RF2

RAINPOINT Wireless Rain Gauge Instruction Manual

Model: WG012RF2

INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your RAINPOINT Wireless Plastic Rain Gauge. Designed for accurate outdoor rainfall monitoring, this device integrates with the HomGar app to provide real-time and historical precipitation data. Please read this manual thoroughly before use to ensure optimal performance and longevity of your rain gauge.



Image: The RAINPOINT Wireless Plastic Rain Gauge, a compact white and grey device.

PRODUCT FEATURES

- **Accurate Wireless Rain Monitoring:** Delivers precise rainfall measurements with real-time updates via the HomGar app.
- **Self-Emptying Design:** Prevents overflow and ensures hassle-free use.
- **Expandable System:** Integrates seamlessly with the RAINPOINT Wi-Fi gateway hub (sold separately) for multi-zone tracking.
- **Long-Range Wireless Coverage:** Transmits data up to 100 meters for continuous monitoring.
- **Weather-Resistant:** Built to withstand various weather conditions, including freeze-proof design.
- **Real-Time & Historical Data:** Provides current and past rainfall data for trend analysis and optimized garden care.

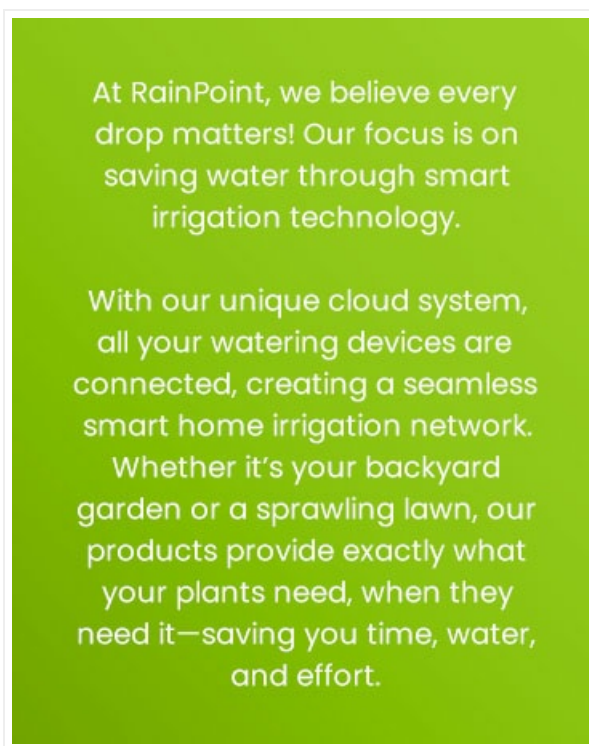


Image: Visual representation of key features: Waterproof, Accurate Measuring, APP Control, Easier Installation.

WHAT'S IN THE BOX

The RAINPOINT Wireless Plastic Rain Gauge package typically includes:

- RAINPOINT Wireless Rain Gauge (Model: WG012RF2)
- User Manual (this document)
- *Note: A RAINPOINT Wi-Fi gateway hub is required for app functionality and is sold separately. Batteries (3*AA) are also not included.*

SETUP INSTRUCTIONS

1. Prepare the Rain Gauge:

- Open the battery cover located at the bottom of the rain gauge.
- Insert 3 AA batteries (not included) into the battery compartment, ensuring correct polarity.
- Securely close the battery cover.
- **Important:** Before first use, locate and carefully tear off the clear sticker or tape that secures the balancing instrument (tipping bucket mechanism) inside the rain gauge. This sticker is for shipping protection and must be removed for accurate operation.

2. Prepare the RAINPOINT Wi-Fi Gateway Hub (Sold Separately):

- Ensure your RAINPOINT Wi-Fi gateway hub is powered on and connected to your home Wi-Fi network (2.4GHz band only).
- Download and install the HomGar app on your smartphone or tablet.
- Register or log in to your HomGar account.

3. Pairing the Rain Gauge with the App:

- Open the HomGar app.
- On the app's home page, select the "+" symbol to add a new device. Alternatively, navigate to the hub's home

page and use the "Sub-devices" option to add devices.

- Find and select the "Rain Sensor" icon (or the specific icon for HCS012 Rain Sensor) from the list of available devices.
- Follow the on-screen prompts to initiate the pairing process. Keep the rain gauge close to the hub during pairing.
- The app will search for the device. Once discovered, it will confirm successful addition.

4. Placement of the Rain Gauge:

- Choose an outdoor location that is open and unobstructed by trees, buildings, or other objects that could block rainfall or cause splash-back.
- Ensure the rain gauge is placed on a flat, horizontal surface to ensure accurate readings. Inclined placement will lead to inaccurate data.
- The device is weather-resistant and freeze-proof, suitable for year-round outdoor use.



Video: Official setup guide for the RAINPOINT High Precision Rain Gauge (Model HCS012), demonstrating battery installation and app pairing steps.



Image: Proper horizontal placement of the rain gauge for accurate readings (left) versus incorrect inclined placement (right).

OPERATING INSTRUCTIONS

Once successfully set up and paired, your RAINPOINT Wireless Rain Gauge will automatically begin monitoring rainfall. Data is transmitted to your HomGar app via the Wi-Fi gateway hub.

- **Real-Time Monitoring:** View current rainfall data directly on the HomGar app. The device updates data every 3 minutes.
- **Historical Data:** Access past rainfall records (24 hours, 7 days, 30 days, 12 months) within the app to track trends and patterns.
- **App Notifications:** Configure notifications within the HomGar app to receive alerts for specific rainfall events or thresholds.

- **Self-Emptying Mechanism:** The rain gauge features a tipping bucket mechanism that automatically empties collected water, ensuring continuous operation without manual intervention.



Image: Screenshots of the HomGar app displaying real-time and historical rainfall data, and a comparison of app and hub views.

MAINTENANCE

Regular maintenance ensures the accuracy and longevity of your rain gauge.

- **Cleaning:** Periodically clean the rain gauge, especially the collection funnel and the tipping bucket mechanism, to remove dirt, leaves, insects, or debris that could obstruct water flow or affect accuracy. Use a soft cloth and mild soapy water. Rinse thoroughly with clean water.
- **Battery Replacement:** When the battery level is low (indicated in the app), replace the 3 AA batteries promptly to ensure continuous operation.
- **Check Placement:** Occasionally verify that the rain gauge remains level and free from obstructions.
- **Winter Care:** The device is freeze-proof, but ensuring it is clear of heavy snow or ice buildup can prevent physical damage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No data or inaccurate readings in app.	<ul style="list-style-type: none"> Shipping sticker not removed. Low batteries. Rain gauge not level. Obstructions in funnel/tipping bucket. Out of range from hub. Hub not connected to Wi-Fi. 	<ul style="list-style-type: none"> Remove the shipping sticker from the balancing instrument. Replace batteries. Ensure rain gauge is on a flat, horizontal surface. Clean the funnel and tipping bucket. Move rain gauge closer to the hub (within 100m). Check hub's Wi-Fi connection and ensure it's on a 2.4GHz network.
Device not pairing with app.	<ul style="list-style-type: none"> Incorrect pairing steps. Device too far from hub during pairing. Hub not in pairing mode or not connected. Incorrect Wi-Fi band (hub requires 2.4GHz). 	<ul style="list-style-type: none"> Review "Setup Instructions" carefully. Bring device very close to the hub during pairing. Verify hub status and Wi-Fi connection. Ensure your router is broadcasting a 2.4GHz network for the hub.
App shows "Offline".	<ul style="list-style-type: none"> Low batteries in rain gauge. Rain gauge out of range. Hub offline. 	<ul style="list-style-type: none"> Replace rain gauge batteries. Relocate rain gauge closer to the hub. Check hub's power and Wi-Fi connection.

SPECIFICATIONS

- **Model:** WG012RF2
- **Product Dimensions:** 4 x 4 x 5 inches (approximately 10.16 x 10.16 x 12.7 cm)
- **Item Weight:** 8 ounces (approximately 226.8 grams)
- **Rainfall Range:** 0-9999mm
- **Accuracy:** ± 0.1 mm
- **Data Reporting:** Every 3 minutes
- **Wireless Range:** Up to 100 meters (328 feet)
- **Power Source:** 3*AA batteries (not included)
- **Manufacturer:** RAINPOINT
- **Country of Origin:** China



Image: Visual summary of rain gauge specifications and detailed dimensions.

Safety Information


- Do not attempt to disassemble or modify the device. This will void the warranty and could cause damage.
- Keep batteries out of reach of children. Dispose of used batteries responsibly according to local regulations.
- Ensure the device is placed securely to prevent it from falling or being knocked over, which could cause injury or damage.
- While the device is weather-resistant, avoid submerging it in water.






Warranty and Support

RAINPOINT products are designed for reliability and performance. For warranty information, technical support, or assistance with your device, please refer to the contact information provided on the product packaging or visit the official RAINPOINT website. Please have your model number (WG012RF2) and purchase details ready when contacting support.

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Related Documents - WG012RF2

 <p>USER MANUAL RAIN GAUGE</p> <p>Model No. HCS012ARF</p> <p>Web: www.rainpoint.com Email: support@rainpoint.com WhatsApp: +1 626-790-8932 US Free Toll-Free: +1 800-381-6689 DIN EN ISO 9001:2015 EU Free Toll-Free: +44 800-808-0337 DIN EN ISO 9001:2015</p>	<p>RainPoint HCS012ARF Rain Gauge User Manual</p> <p>User manual for the RainPoint HCS012ARF Rain Gauge, detailing its features, connection, installation, app usage, troubleshooting, and warranty. Learn how to monitor rainfall in your garden.</p>
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	<p>RainPoint Smart Soil Moisture Sensor System Quick Start Guide for HCS021FRF and HWG004WRF</p> <p>Comprehensive quick start guide for the RainPoint smart soil moisture sensor system. Learn how to connect, install, and troubleshoot your HCS021FRF and HWG004WRF devices for optimal garden and lawn monitoring.</p>
	<p>RainPoint HCS012ARF High Precision Rain Sensor User Manual</p> <p>Comprehensive user manual for the RainPoint HCS012ARF High Precision Rain Sensor, covering setup, features, app functions, troubleshooting, and warranty information.</p>
	<p>RainPoint 2-Zone WiFi Water Timer User Manual</p> <p>User manual for the RainPoint 2-Zone WiFi Water Timer with Gateway Set, detailing setup, features, app usage, and troubleshooting for efficient garden irrigation.</p>
	<p>RainPoint 1-Zone WiFi Water Timer with Gateway Set User Manual</p> <p>User manual for the RainPoint 1-Zone WiFi Water Timer with Gateway Set (Model HTV145FRF+HWG040WLBFRF). This guide provides instructions on installation, app setup, features, troubleshooting, and customer support for smart garden irrigation.</p>
	<p>RainPoint HTV145FRF 1-Zone WiFi Water Timer User Manual</p> <p>User manual for the RainPoint HTV145FRF 1-Zone WiFi Water Timer. Learn about installation, app connection, features, troubleshooting, and warranty for smart garden irrigation.</p>