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› RAINPOINT WiFi Water Timer for Garden Hose, 2 Zone Smart Hose Timer WiFi Sprinkler Controller with Antenna Gateway (Support WiFi & Ethernet Connection), Automatic Watering System for Lawn and Yard Timer with Ethernet Gateway Green

RAINPOINT HTV245FRF+HWG040WBRF

RAINPOINT WiFi Water Timer User Manual

Model: HTV245FRF+HWG040WBRF

Brand: RAINPOINT

INTRODUCTION

The RAINPOINT WiFi Water Timer is designed to provide an intelligent and convenient solution for garden watering. This system includes a 2-zone smart hose timer and an antenna gateway, ensuring reliable connectivity and precise control over your irrigation. Manage your watering needs efficiently from anywhere using the dedicated mobile application.



Figure 1: RAINPOINT WiFi Water Timer, Gateway, and Mobile App Interface

SETUP

1. Unboxing and Battery Installation

Carefully unbox all components. The water timer requires 4 AA alkaline batteries (not included). Insert them into the battery compartment on the back of the timer, ensuring correct polarity. The timer is IP65 waterproof, but proper battery compartment sealing is crucial.

2. Gateway Setup

The HWG040 antenna gateway supports both 2.4G WiFi and Ethernet cable connections for stable operation. Place the gateway close to your router for optimal signal strength. Avoid placing it on the floor or near large metal objects that could interfere with the signal.

TWO CONNECTION METHODS



Figure 2: Gateway showing 2.4GHz WiFi and Ethernet connection ports.

For a visual guide on connecting the gateway, please refer to the video below:

Video 1: Connection Operation Video of Timer with WiFi Gateway.

3. Timer Installation

Attach the 2-zone water timer to your outdoor faucet. Ensure it is hand-tightened to prevent leaks. The timer features a brass water inlet with a rubber ring for a secure connection. Connect your garden hoses to the 'L' (Left) and 'R' (Right) outlets.

4. App Connection

Download the RAINPOINT HOME APP from your device's app store. Follow the in-app instructions to connect

your WiFi water timer to the gateway and your 2.4G WiFi network. The app provides a smooth and intuitive experience for managing your watering system.

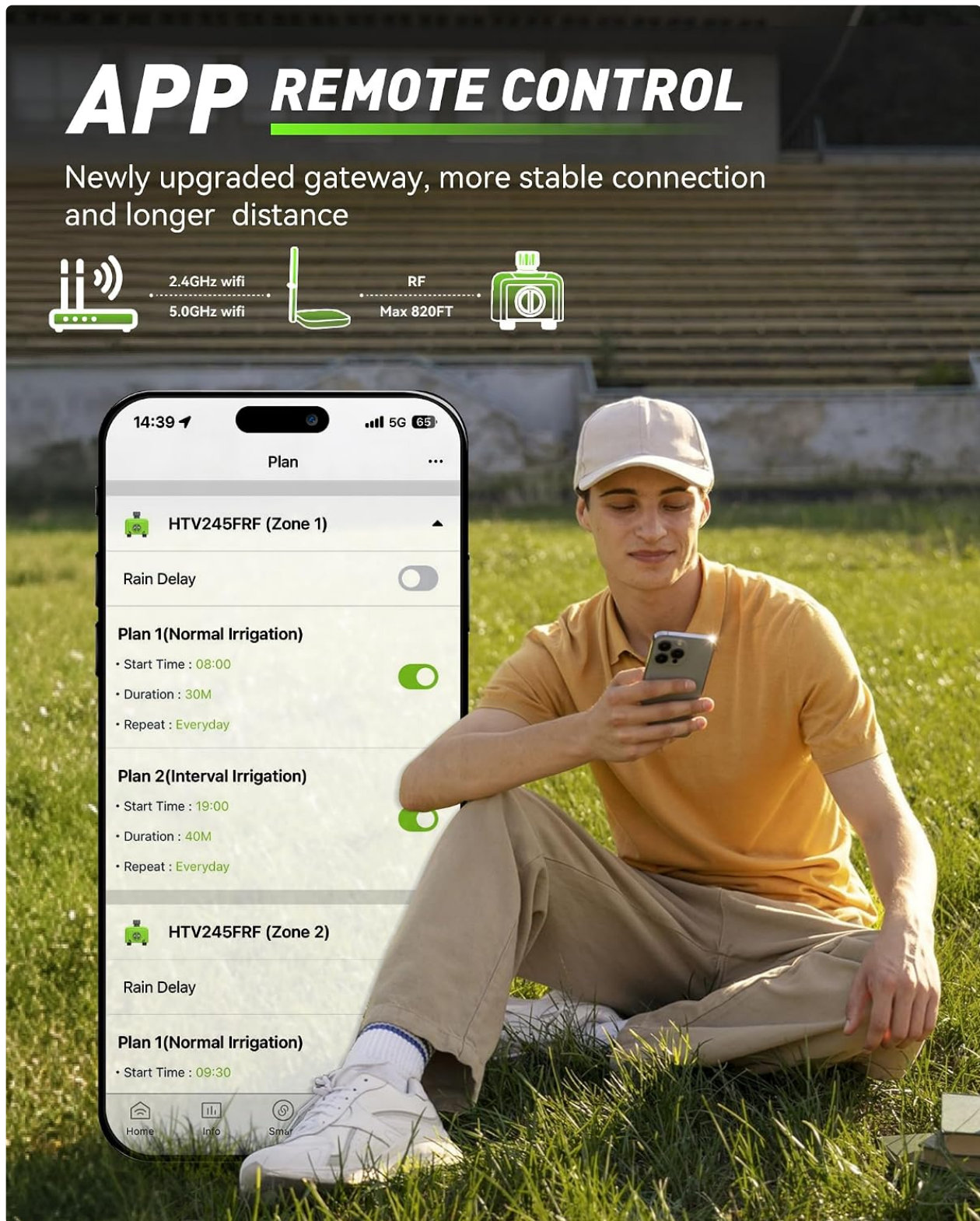


Figure 3: App remote control for the RAINPOINT WiFi Water Timer.

For more details on app functionality, watch this video:

Video 2: RainPoint Home APP for Wifi Water Timer.

OPERATING THE WATER TIMER

Watering Modes

The smart hose timer offers three distinct watering modes for each zone:

- **Normal Irrigation:** Continuous one-time irrigation (1 minute to 12 hours).
- **Interval Irrigation:** Intermittent watering realized by switching valves on and off at intervals (1 second to 60 minutes).
- **Cycle & Soak:** Splits the total watering time into multiple short cycles with breaks in between to allow soil to absorb water and improve watering efficiency.



Figure 4: Three irrigation modes and five watering frequencies.

Smart Irrigation Features

The WiFi water timer automatically adjusts the watering schedule based on real-time conditions such as weather, soil moisture, and temperature. It can skip watering on rainy days and ensures adequate moisture during dry spells, preventing over- or under-watering.

TRULY — INTELLIGENT WATERING

Automatically delay watering by weather



Figure 5: Smart irrigation automatically delays watering based on weather.

Flow Monitoring and Water Usage

Each zone has a built-in high-precision flow sensor to monitor water usage. You can view water consumption data for the past 12 months. The system also provides 24-hour flow monitoring and sends instant messages if a valve cannot be opened or closed, or if the device goes offline.

MANAGE AND MONITOR WATER USAGE

Built in flow meters

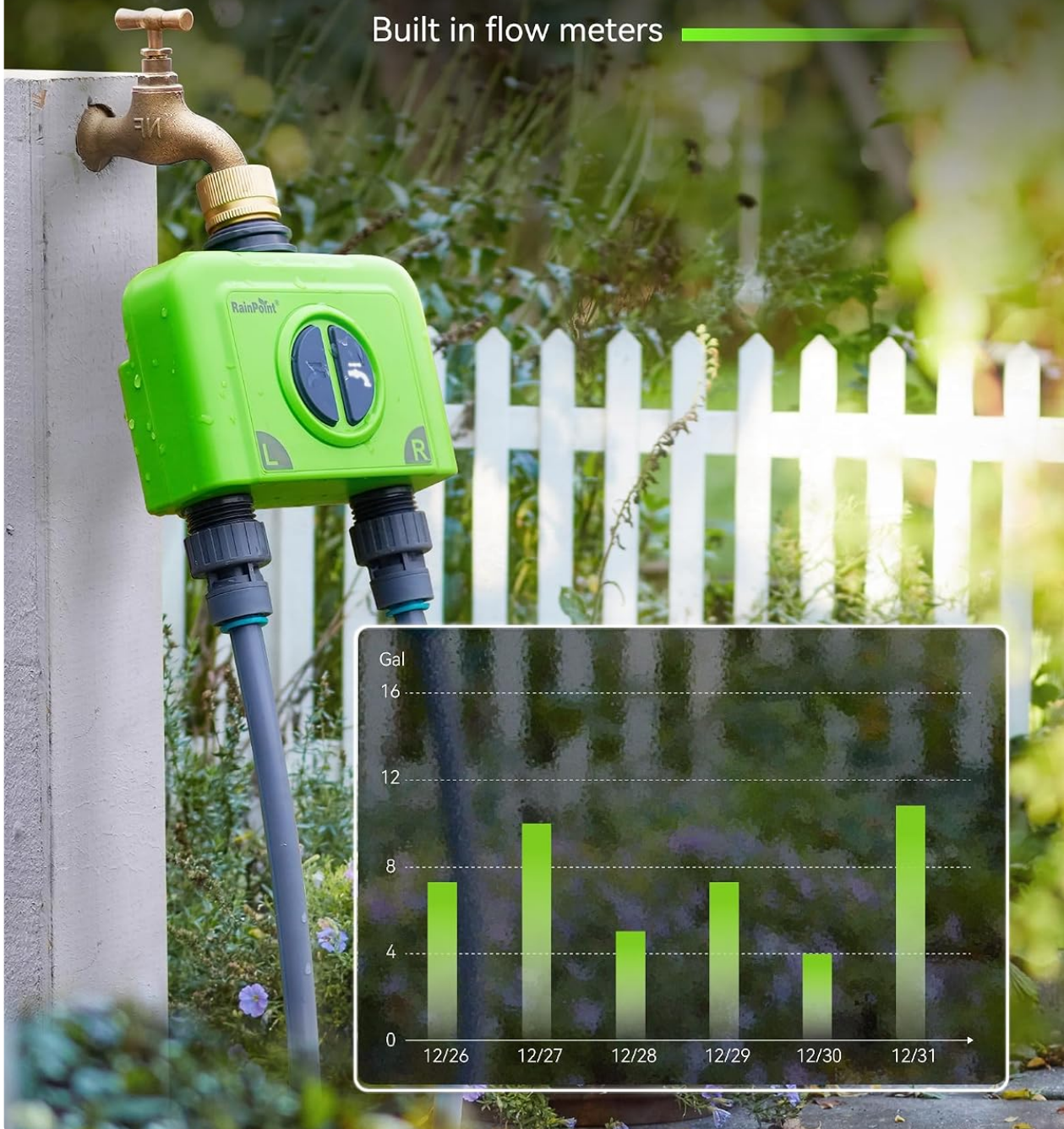


Figure 6: Manage and monitor water usage with built-in flow meters.

Manual Control

You can manually control the watering directly from the timer unit by pressing the 'L' or 'R' buttons for each zone. Alternatively, you can use the app for manual control, which offers more detailed options for duration and mode.

CONTROL WITH YOUR VOICE



Figure 7: Manual watering by 2 ways: directly on the timer or via the app.

Voice Control

The RAINPOINT WiFi Water Timer is compatible with Google Assistant and Amazon Alexa, allowing for convenient voice control of your watering schedules.



Figure 8: Control your RAINPOINT Water Timer with your voice.

MAINTENANCE

The water timer features an IP65 waterproof design and a weather-resistant heavy-duty structure, ensuring durability in various outdoor conditions.



IP65

waterproof and dustproof

Figure 9: IP65 waterproof and dustproof design.

Regularly check the battery level in the app and replace the 4 AA batteries when indicated. Ensure the brass water inlet is free from debris, especially if using well water, to prevent flow restriction.

TROUBLESHOOTING

- **Gateway Offline:** Ensure the gateway is powered on and close enough to the WiFi router. Avoid metal objects.
- **Valve Not Opening/Closing:** Check battery level and replace if low. Ensure the filter in the water inlet is clean.
- **Water Hammer Effect:** The sudden shut-off can cause a water hammer. Consider installing a water hammer arrestor before the timer if this is a concern.

- **Simultaneous Zone Operation:** The timer is designed to operate one zone at a time. Simultaneous operation of both zones is not supported. During