RAINPOINT B245-040-BSP

RAINPOINT Smart Irrigation System User Manual

Model: B245-040-BSP

1. INTRODUCTION

This user manual provides comprehensive instructions for the installation, operation, and maintenance of your RAINPOINT WiFi Irrigation Computer. Designed for efficient garden watering, this smart system features a 2-zone timer, an antenna gateway for stable connectivity, and robust brass components. Please read this manual carefully before use to ensure optimal performance and longevity of your device.

2. SAFETY INFORMATION

- Ensure the device is installed in a location protected from extreme weather conditions, despite its IP65 rating.
- Do not disassemble or attempt to repair the device yourself. Contact customer support for assistance.
- Keep out of reach of children.
- Use only the specified power adapter for the gateway.
- Protect the device from freezing temperatures to prevent damage.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

Figure 3.1: Package Contents

The package includes the RainPoint 2-Zone WiFi Water Timer, the WiFi Antenna Gateway, PTFE tape, an adapter, a Type-C USB cable, a user manual, and a quick start guide.

- RAINPOINT 2-Zone WiFi Irrigation Computer

- Antenna Gateway (HWG040)

- PTFE Tape

- Adapter

- Type-C USB Cable

- User Manual

- Quick Start Guide

4. SETUP

4.1 Gateway Connection

The HWG040 Antenna Gateway provides stable connectivity for your irrigation system. It supports both 2.4G WiFi and Ethernet cable connections, ensuring a reliable signal up to 150 meters.

Figure 4.1: Gateway Connectivity Options

The gateway offers both 2.4GHz WiFi and Ethernet connection methods for enhanced stability and range.

1. Connect the gateway to a power source using the provided adapter and Type-C USB cable.

2. For Ethernet connection: Connect an Ethernet cable from your router to the Ethernet port on the gateway.

3. For WiFi connection: Ensure your router broadcasts a 2.4G WiFi signal. Follow the in-app instructions to connect the gateway to your WiFi network.

4.2 Timer Installation

The irrigation computer features a durable 100% brass water inlet and an IP65 waterproof design for enhanced longevity and weather resistance.

Figure 4.2: IP65 Waterproof Design

The irrigation computer is designed with an IP65 rating, making it waterproof and dustproof for outdoor use.

1. Attach the irrigation computer to your outdoor faucet. Ensure a tight connection to prevent leaks. PTFE tape can be

used for a better seal.

2. Connect your garden hoses to the two independent water outlets (L and R) on the timer.

3. Ensure the timer is securely mounted and the battery compartment is accessible for future maintenance.

4.3 App Installation and Pairing

The RainPoint app allows for remote control and management of your irrigation system.

Figure 4.3: System Overview with App

The complete RainPoint smart irrigation system, including the timer, gateway, and the intuitive mobile application for control.

1. Download the "RainPoint" app from your smartphone's app store (iOS or Android).

2. Create an account or log in if you already have one.

3. Follow the in-app instructions to add your gateway and then pair your irrigation computer(s) to the gateway. One gateway can support up to 39 timers.

5. OPERATING INSTRUCTIONS

5.1 Remote Control and Voice Control

Manage your irrigation system from anywhere using the RainPoint app or integrate with smart home assistants.

Figure 5.1: Smart Features Overview

The system supports APP remote control, rain delay, has a built-in flow meter, is compatible with Alexa and Google Assistant, and boasts an IP65 waterproof rating.

- **App Control:** Open the RainPoint app to view device status, adjust schedules, or manually start/stop watering for each zone.
- **Voice Control:** The system is compatible with Amazon Alexa and Google Assistant. Link your RainPoint account in the respective smart home app to enable voice commands for watering control.

5.2 Watering Modes and Frequencies

The smart irrigation computer offers flexible scheduling options for up to two independent zones, with up to 6 schedules per valve.

Figure 5.2: Watering Modes and Frequencies

The system provides 3 distinct watering modes and 5 frequency options to customize your irrigation needs.

- **Watering Modes:**

  - *Normal Irrigation:* Water for a set duration (1 minute to 12 hours).
  - *Interval Irrigation:* Water for a short period, then pause, then repeat (1 second to 60 minutes).
  - *Cycle Irrigation:* Water for a set duration, then wait for a set duration, then repeat (1 minute to 12 hours).

- **Watering Frequencies:**

  - Daily

  - Odd Days

  - Even Days

  - Weekly

  - Every 2 to 30 days

5.3 Weather-Based Watering

Synchronize your irrigation schedule with local weather conditions to optimize water usage and save money.

Figure 5.4: Weather-Based Adjustments

The system can automatically adjust watering schedules based on local weather, including rain, snow, and cloud cover.

- Enable weather synchronization in the app settings.

- Set conditions for delayed irrigation (e.g., on rainy days) or increased irrigation (e.g., during high temperatures).

5.4 Water Flow Monitoring

The integrated high-precision water flow meter allows you to track and manage your water consumption.

Figure 5.5: Water Consumption Monitoring

The built-in flow meter allows you to manage and monitor your water usage, with historical data available in the app.

- View daily and monthly water consumption data within the app.
- Use this data to adjust your irrigation plans for optimal water efficiency.

5.5 Manual Watering

You can manually initiate watering directly from the device or through the app, overriding scheduled plans temporarily.

Figure 5.6: Manual Watering Options

Manual watering can be initiated directly from the timer for a fixed duration or through the app with various modes.

- **On-Device:** Press the button on the timer to start a quick manual watering cycle (e.g., 10 minutes).
- **Via App:** Use the app's manual control feature to start or stop watering for specific zones, choosing from available modes.

6. MAINTENANCE

- **Cleaning:** Wipe the device with a damp cloth. Do not use abrasive cleaners.
- **Winterization:** Disconnect the timer from the faucet and store it indoors in a dry, frost-free location during winter months to prevent damage from freezing water.
- **Battery Replacement:** The app will notify you of a low battery. Replace batteries promptly to ensure continuous operation.

7. TROUBLESHOOTING

The system provides real-time alerts to help you identify and resolve issues.

Issue	Possible Cause	Solution
Timer Offline / Weak Signal	Gateway out of range, interference, or gateway offline.	Ensure gateway is powered on and connected to the internet. Move gateway closer to the timer or reduce obstacles. Check app for gateway status.
Valve Failure Alert	Obstruction in valve, low water pressure, or mechanical issue.	Check water supply to the faucet. Inspect the valve for any visible obstructions. If issue persists, contact customer support.
Low Battery Alert	Timer batteries are low.	Replace the batteries in the irrigation computer immediately.
Water Consumption Reads 0 (for drip irrigation)	Flow rate is too low for the sensor to register.	This is expected for very low flow rates. The timer will still operate, but flow data may not be accurate.

8. SPECIFICATIONS

Feature	Detail
Brand	RAINPOINT
Model Number	B245-040-BSP
Color	Green
Product Dimensions	17.8 x 17 x 9 cm
Material	Brass

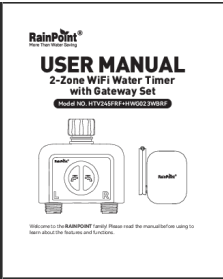| Feature	Detail
Item Weight	850 g
Waterproof Rating	IP65
Gateway Connectivity	2.4G WiFi, Ethernet
Gateway Range	Up to 150 m
Timer Zones	2 independent zones
Schedules per Zone	Up to 6
Watering Modes	Normal, Interval, Cycle
Voice Control	Alexa, Google Assistant
Flow Meter	Integrated high-precision

9. WARRANTY AND SUPPORT

RAINPOINT offers a comprehensive warranty and dedicated customer support for your product.

- **Warranty:** Enjoy a 5-year warranty upon product registration.

- **Customer Service:** RAINPOINT provides 24-hour local customer service. For any inquiries or technical assistance, please refer to the contact information provided in the quick start guide or on the official RAINPOINT website.

Related Documents - B245-040-BSP

RainPoint® More Than Water Saving **USER MANUAL** 2-Zone WiFi Water Timer with Gateway Set Model NO. HTV245FRF+HWG023WBRF	[RainPoint 2-Zone WiFi Water Timer User Manual](#) User manual for the RainPoint 2-Zone WiFi Water Timer with Gateway Set, detailing setup, features, app usage, and troubleshooting for efficient garden irrigation.
Instruction Manual RainPoint® 1 Zone WiFi Water Timer with WiFi Hub Model: TTV103WRF+TWG004WRF Customer Support: Web: www.rainpointonline.com Email: support@rainbird-button.com US Hotline (English): +1 (949) 271-9511 (MON-FRI 9:30AM-5:30PM PST) [Please scan the QR code to get the fast support] *KEEP THIS MANUAL FOR FUTURE REFERENCE.	[RainPoint 1 Zone WiFi Water Timer with WiFi Hub Instruction Manual](#) Comprehensive instruction manual for the RainPoint 1 Zone WiFi Water Timer (TTV103WRF) and WiFi Hub (TWG004WRF), covering installation, app setup, programming, smart features, troubleshooting, and support.

RainPoint USER MANUAL Model No.ITV201P □ English □ Deutsch Email: service@rainpointus.com WhatsApp: +1 626-780-5952 Free Hotline US: +1 833-381-5659 (EN) EU: +44 800-808-5357 (EN DE) Save the user manual for future reference If you have any questions, please contact us to get support	[RainPoint ITV201P User Manual: Smart Two-Zone Sprinkler Timer Guide](#) User manual for the RainPoint ITV201P sprinkler timer. Learn installation, programming, and troubleshooting for efficient dual-zone garden watering. Includes contact info and support.
RainPoint More Than Water Saving USER MANUAL RainPoint 3-Zone Digital Water Timer Model No.ITV347 Email: service@rainpointonline.com WhatsApp: +1 626-780-5952 Free Hotline US toll free: +1 833-381-5659 DE toll free: +49 800-182-0536 UK toll free: +44 800-808-0337	[RainPoint 3-Zone Digital Water Timer User Manual (Model ITV347)](#) Comprehensive user manual for the RainPoint 3-Zone Digital Water Timer (Model ITV347), covering installation, programming, operation, additional functions, troubleshooting, and warranty information.
RainPoint More Than Water Saving USER MANUAL 1-Zone Water Timer Model No. ITV105 Save the user manual for future reference. If you have any questions please contact us to get support.	[RainPoint 1-Zone Water Timer User Manual (Model ITV105)](#) Comprehensive user manual for the RainPoint ITV105 1-Zone Water Timer, detailing installation, programming, additional functions like Rain Delay and Manual Watering, troubleshooting, precautions, and warranty information.
RainPoint More Than Water Saving USER MANUAL Model: ITV205-DLS Save the user manual for future reference If you have any questions, please contact us to get support	[RainPoint ITV205-DLS 2-Zone Water Timer User Manual](#) Comprehensive user manual for the RainPoint ITV205-DLS 2-Zone Water Timer, covering installation, programming, features like rain delay and manual watering, and troubleshooting.