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HiOazo HSC-400W-Blue

HiOazo HSC-400W-Blue WiFi Irrigation Controller User Manual

Model: HSC-400W-Blue | Brand: HiOazo

INTRODUCTION

The HiOazo HSC-400W-Blue WiFi Irrigation Controller is an advanced system designed to automate and optimize your garden and lawn watering. With its smart features, including WiFi remote control, multi-zone management, and intelligent weather skips, it provides a convenient and efficient solution for maintaining healthy plant growth while conserving water. This manual provides detailed instructions for installation, operation, and maintenance of your irrigation controller.

KEY FEATURES

- WiFi Remote Control:** Manage your irrigation system from anywhere using the updated HiOazo app on your smartphone. Create and modify watering schedules with ease.
- 4-Zone Control:** Independently manage up to four irrigation zones, allowing for customized watering based on specific plant needs or area requirements.
- 16 Watering Programs:** Set up to 16 distinct watering programs with flexible frequencies, including daily, odd/even days, specific days of the week, and hourly/daily intervals.
- Two Irrigation Methods:** Choose between "Cycle and Soak" to allow water absorption and prevent runoff, or "No Cycle and Soak" for continuous water supply.
- Smart Weather Skips:** Automatically skip scheduled watering based on real-time weather conditions such as rain, frost, or strong winds, preventing overwatering and conserving water.
- Manual Watering Function:** Initiate watering instantly for any zone as needed, providing flexibility outside of programmed schedules.
- Seasonal Adjustment:** Easily adjust watering schedules seasonally to adapt to changing weather patterns and plant requirements.
- Water Usage Calculation:** Monitor water consumption within the app to track usage and promote water conservation.

SETUP AND INSTALLATION

1. Unboxing and Component Check

Carefully unpack all components. Ensure you have the HiOazo HSC-400W-Blue controller, power adapter, and any included accessories. Inspect for any visible damage.

2. Mounting the Controller

Choose a suitable indoor location for mounting the controller, away from direct sunlight and extreme temperatures. Ensure it is close to a power outlet and within WiFi range. Use appropriate screws and anchors to secure the controller to the wall.



Figure 1: HiOazo HSC-400W-Blue WiFi Irrigation Controller and its accompanying smartphone app interface.

3. Wiring the Controller

Connect your irrigation system's common wire, zone wires, and optional master valve/pump start relay wire to the corresponding terminals on the controller. Refer to the wiring diagram below for correct connections. Ensure all connections are secure.

Ultra Simple 6 Steps Setup

Create an exclusive watering schedule in minutes

1

2

3

4

5

6

7

Cycle and soak

No cycle and soak

Cycle and soak

1 Zone

2 Zone

Entering cycle and soak durations helps to prevent runoff by breaking up watering time, allowing water to soak into the soil before adding more. Additionally, during the soak, it allows other zones that have finished soaking to be watered, reducing the total watering time.

1

2

3

4

5

6

7

Which zone to water and for how long

HSC-400W

Set time for all

1

2

3

4

Watering zone

10 min

Time usage

2

3

4

Watering zone

10 min

Time usage

3

4

Watering zone

10 min

Time usage

4

Watering zone

Create schedule later

Next step

1

2

3

4

5

6

7

Select dates

Start date

11

04

2026

12

05

2024

01

06

2025

End date

Never end

Custom

11

05

2026

12

06

2024

01

07

2025

1

2

3

4

5

6

7

When to water

Every day

Odd days

Even days

Specific days

Daily interval

Hourly interval

Sun.

Mon.

Tue.

Wed.

Thu.

Fri.

Sat.

1

2

3

4

5

6

7

Add Weather Intelligence

Rain skip

Freeze skip

Wind skip

Seasonal adjust skip

1

2

3

4

5

6

7

Name your schedule

Palm

Up to 44 characters can be entered.

Figure 2: Detailed wiring diagram for the HiOazo HSC-400W-Blue controller, illustrating connections for common (C), master valve (M), zones (1-4), and sensor (S) terminals, along with the 24VAC power input.

- Connect the common wire from your valves to the 'C' terminal.
- Connect each zone wire to its respective numbered terminal (1, 2, 3, 4).

- If using a master valve or pump start relay, connect its wire to the 'M' terminal.
- For a rain sensor, connect its wires to the 'S' terminals.
- Connect the 24VAC power adapter to the 'PWR IN' terminals.

4. Powering On and App Connection

Plug in the power adapter. The controller will power on. Download the "HiOazo" app from your smartphone's app store (available for iOS and Android). Follow the in-app instructions to connect your controller to your home WiFi network. This typically involves creating an account, adding a new device, and entering your WiFi credentials.

Control Irrigation At Your Fingertips

Monitor and optimize watering
from anywhere via WiFi

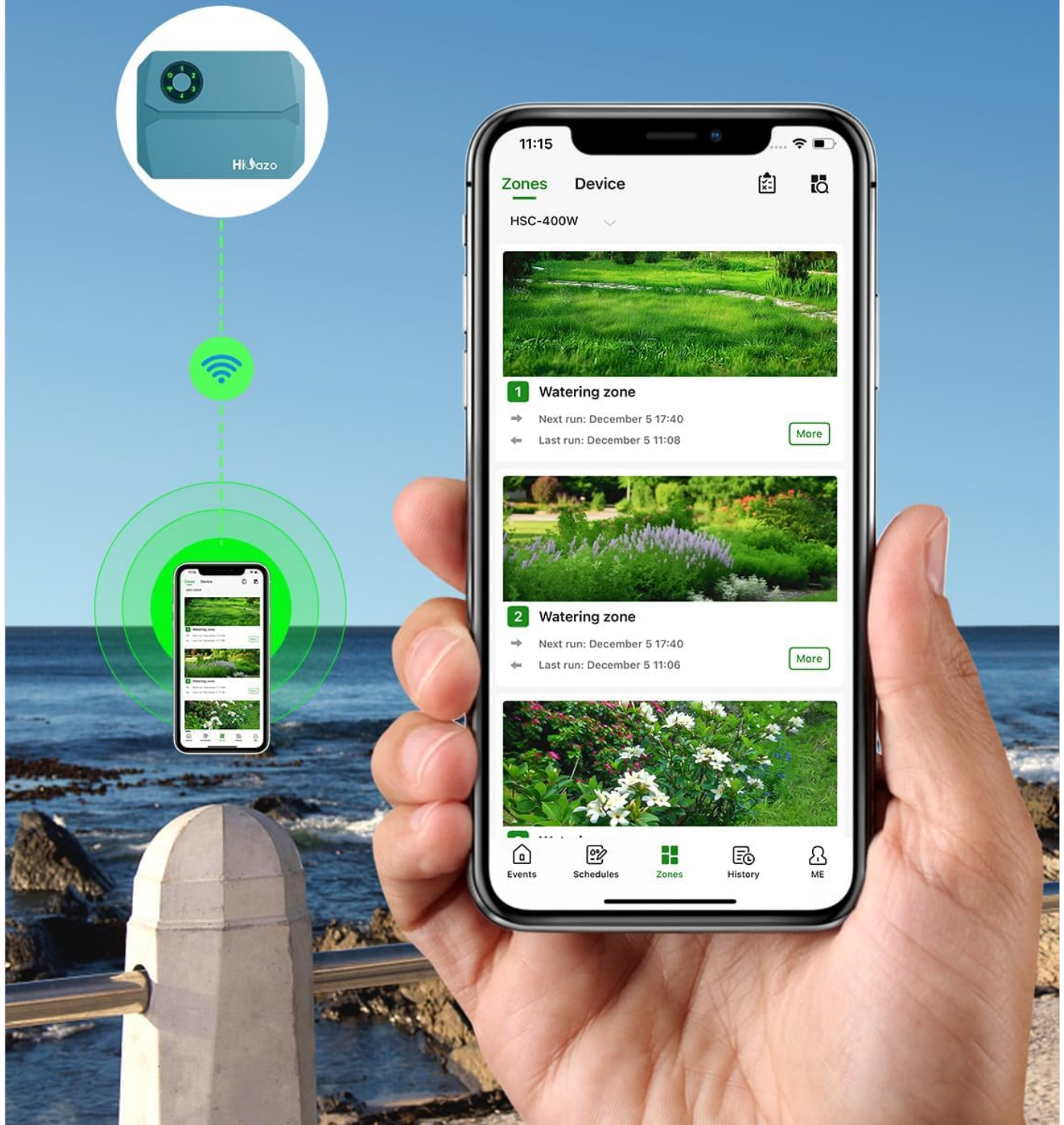



Figure 3: The HiOazo controller seamlessly connected to a smartphone via WiFi, demonstrating the ability to control irrigation remotely.

OPERATING THE CONTROLLER


1. Navigating the HiOazo App

The HiOazo app provides a user-friendly interface for managing your irrigation. Explore the different sections: Events, Schedules, Zones, History, and Me (for account settings). The main screen provides an overview of current weather and quick run options.


Newly Upgraded Hioazo App




Simple and intuitive interfaces



Step-by-step guide to setup



Comprehensive functionality



Hassle-free OTA Upgrade

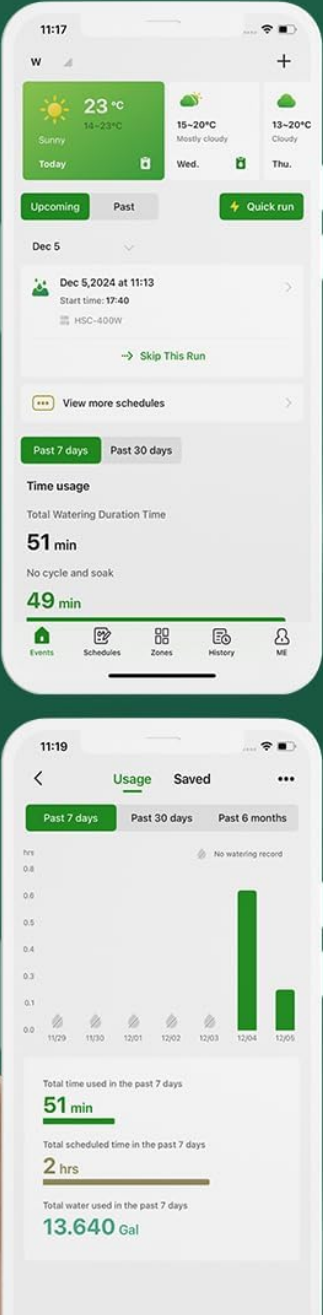
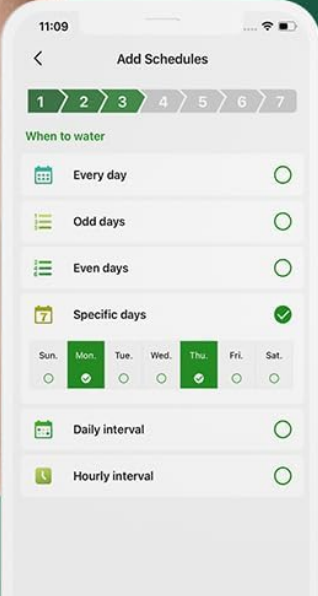
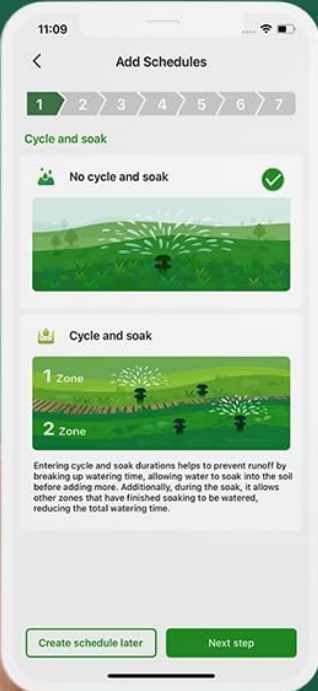
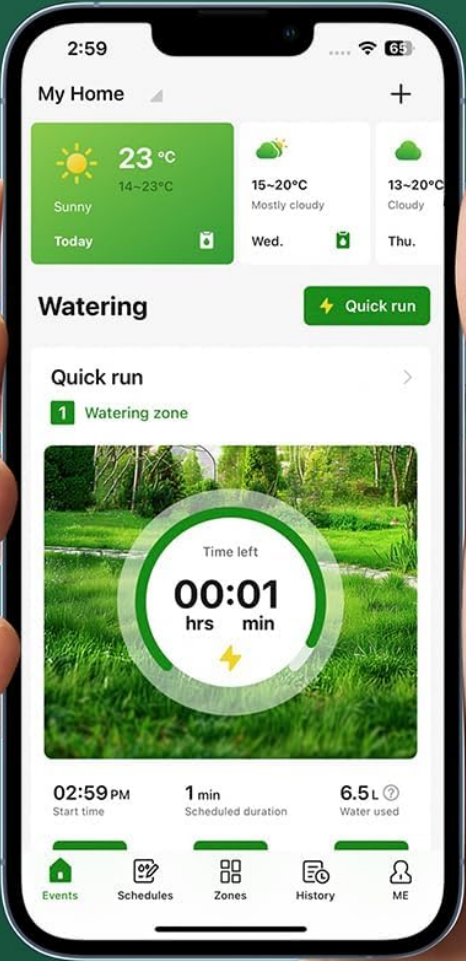


Figure 4: Overview of the newly upgraded HiOazo app, showcasing its intuitive interfaces and comprehensive features for irrigation management.

2. Creating Watering Schedules

To create a new watering schedule:

1. Go to the "Schedules" section in the app.
2. Tap to add a new schedule.
3. Choose your preferred irrigation method: "Cycle and Soak" or "No Cycle and Soak".
4. Select the zones you wish to include in this schedule and set the watering duration for each zone.
5. Define the watering frequency (e.g., every day, odd days, specific days of the week, daily/hourly interval).
6. Set the start and end times for the schedule.
7. Enable "Weather Intelligence" (Smart Weather Skips) for automatic adjustments based on rain, frost, or wind.
8. Name your schedule and save it.

Instant Water Supply with Quick Run



Figure 5: The six-step process within the HiOazo app for setting up a customized watering schedule.

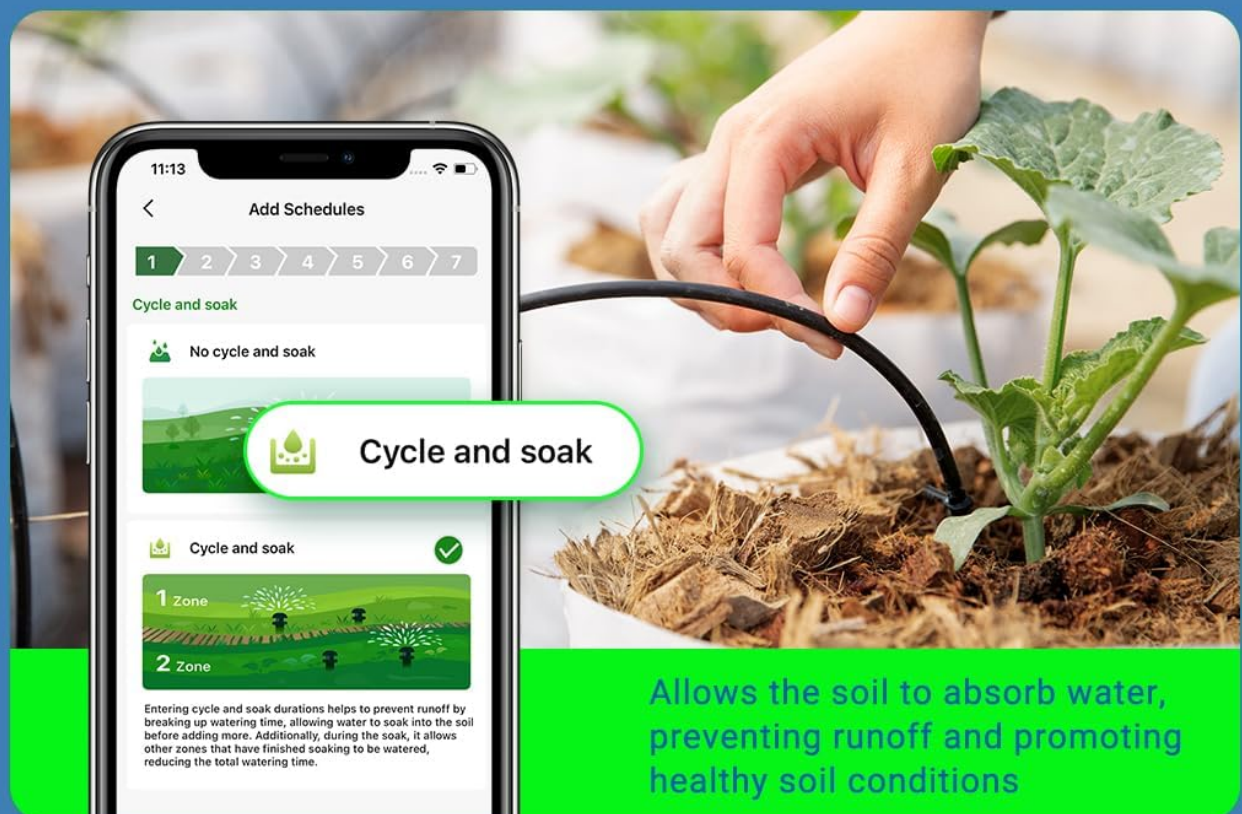


Figure 6: Illustration of the two available irrigation methods: "No cycle and soak" for continuous watering and "Cycle and soak" for improved water absorption.

3. Manual Watering

To manually water a zone or all zones:

- From the main "Watering" screen, tap "Quick run".
- Select the zone(s) you wish to water manually.
- Set the desired duration for the manual run.
- Confirm to start watering.

4. Smart Weather Skips

The controller automatically integrates with local weather forecasts to optimize watering. Ensure "Weather Intelligence" is enabled in your schedules. The system will automatically skip watering if rain, frost, or high winds are detected, preventing water waste and protecting your plants.



Figure 7: The Smart Weather Skips feature, allowing the system to automatically adjust watering based on real-time weather conditions like rain, frost, and wind.


5. Monitoring Water Usage



The app provides insights into your water consumption. Navigate to the "History" or "Usage" section to view detailed

reports on water used, helping you manage and conserve water effectively.

Count the Water Save You Money

Once you have set the water flow,
HiOazo will calculate the
water usage





Water usage

Total water amount

51.63 L

No cycle and soak

49.3 L

Cycle and soak


0.00 L

Quick run

2.33 L

2:16

< Water flow setting



0.99 L/min

GAL L

0.99 L/min

0~100L/min

Skip this setting Next step

Figure 8: The app's water usage monitoring feature, displaying total water amount and usage per cycle, aiding in water conservation.

MAINTENANCE

- **Cleaning:** Periodically wipe the controller’s exterior with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Firmware Updates:** Ensure your app and controller firmware are always up-to-date for optimal performance and new features. The app will notify you of available updates.
- **Winterization:** In regions with freezing temperatures, disconnect the controller from power and drain all water from the irrigation system to prevent damage from freezing. Store the controller in a dry, protected area if necessary.
- **Sensor Check:** If using a rain sensor, periodically check it for debris or obstructions that might affect its operation.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Controller not powering on	No power, faulty adapter, loose connection.	Check power outlet, ensure adapter is securely plugged in, test adapter if possible.
Cannot connect to WiFi	Incorrect WiFi password, controller too far from router, router issues, 5GHz network.	Verify password, move controller closer to router, restart router, ensure you are connecting to a 2.4GHz network.
Zones not watering	Valves not receiving power, wiring issues, water supply off, rain sensor active, schedule not set correctly.	Check wiring connections, ensure main water supply is on, check rain sensor status in app, verify schedule settings.
Watering skips unexpectedly	Smart Weather Skips enabled, rain sensor activated.	Check app for active weather skips (rain, frost, wind). Verify rain sensor is not falsely triggered.
App not responding	App glitch, internet connectivity issue.	Close and reopen the app, check your phone's internet connection, restart your phone.

SPECIFICATIONS

Attribute	Detail
Brand	HiOazo
Model	HSC-400W-Blue (Manufacturer Model: IB-1099-XXEU)
Dimensions	18.9 x 14.5 x 12.8 cm
Item Weight	910 grams
Color	Blue
Material	Plastic
Voltage	24 Volts (AC)

Attribute	Detail
Display Type	LCD or LED
Zones Supported	4
Connectivity	WiFi (2.4GHz)





WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your product packaging or visit the official HiOazo website. You can also contact HiOazo customer service through the contact information provided on their website or within the HiOazo app.



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Related Documents - HSC-400W-Blue

	<p>HiOazo HSC-800W Irrigation Controller User Manual</p> <p>User manual for the HiOazo HSC-800W Irrigation Controller, covering installation, setup, functions, troubleshooting, and technical specifications. Features Wi-Fi connectivity and app control.</p>
	<p>Troubleshooting Guide for HiOazo Water Timer</p> <p>A comprehensive troubleshooting guide for the HiOazo 4 Zones Water Timer, covering common issues like condensation on the screen, low water pressure, timer malfunction, and leaks, with solutions for each problem.</p>
	<p>Inkbird HSC-400W Smart Sprinkler Controller User Manual</p> <p>User manual for the Inkbird HSC-400W Smart Sprinkler Controller, detailing installation, setup, and operation. Features include Wi-Fi connectivity and app control for efficient garden watering.</p>
	<p>Light Blue Transparent Watering Can for Plants - 40oz/1.4L</p> <p>An informative guide to the Light Blue Transparent Watering Can, featuring a 40oz (1.4L) capacity. Designed for ease of use with a clear PS resin body allowing water level visibility, this watering can is ideal for indoor and outdoor plants, bonsai, and garden flowers, offering precise water flow control.</p>

