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› HiOazo HSC-600W WiFi 6-Zone Smart Irrigation Controller User Manual

HiOazo HSC-600W

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Model: HSC-600W

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your HiOazo HSC-600W WiFi 6-Zone Smart Irrigation Controller. This device is designed to manage your garden, greenhouse, or other irrigation needs efficiently and intelligently. It features WiFi connectivity for remote control via the HiOazo app, smart weather-based adjustments, and flexible programming options for up to 6 zones.

PRODUCT OVERVIEW

The HiOazo HSC-600W is a smart irrigation controller capable of managing up to 6 independent watering zones. It integrates with the HiOazo mobile application, allowing you to monitor and control your irrigation system from anywhere. Key features include 16 customizable irrigation programs, intelligent weather skips (rain, freeze, wind), water usage calculation, and manual watering options.



Figure 1: Front view of the HiOazo HSC-600W Smart Irrigation Controller.

Components and Connections

The controller features terminals for connecting up to 6 irrigation zones, a master valve/pump, and a rain sensor. Power is supplied via a 24VAC input. LED indicators provide status feedback for each zone and WiFi connectivity.

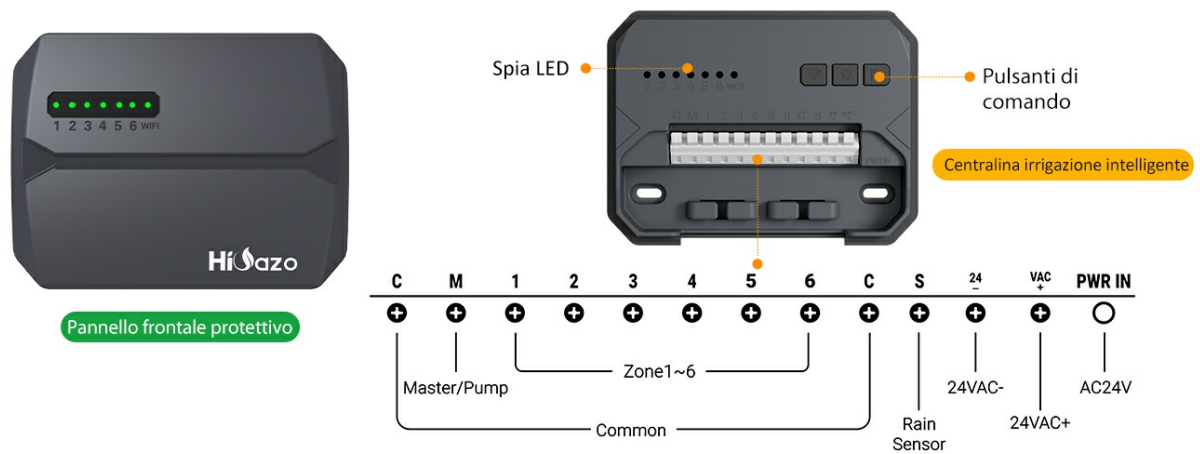


Figure 2: Wiring diagram and component layout of the HiOazo HSC-600W controller. This diagram illustrates the connection points for the master valve/pump, individual zone valves (1-6), common wire, rain sensor, and 24VAC power input. LED indicators and control buttons are also shown.

SETUP

Setting up your HiOazo HSC-600W controller involves physical installation, wiring, and app configuration. The entire process is designed to be straightforward.

1. Physical Installation

1. Choose a suitable location for the controller, protected from direct weather exposure.
2. Mount the controller securely to a wall using the provided installation accessories.

2. Wiring

1. Connect the common wire from your irrigation valves to the 'C' terminal on the controller.
2. Connect each zone valve wire to its corresponding numbered terminal (1-6).
3. If using a master valve or pump, connect its wire to the 'M' terminal.
4. If installing a rain sensor, connect its wires to the 'S' terminals.
5. Connect the 24VAC power adapter to the 'PWR IN' terminals.

Sistema di irrigazione intelligente, efficiente e flessibile



Figure 3: Overview of the installation process, including mounting the device, connecting wires, and configuring through the mobile application.

3. App Configuration and WiFi Connection

1. Download the HiOazo app from your device's app store.
2. Open the app and create an account or log in.
3. Add a new device by tapping the '+' icon in the app. Select the HSC-600W model.
4. Follow the on-screen instructions to connect the controller to your **2.4GHz WiFi network**. The controller does not support 5GHz networks.
5. Once connected, the WiFi indicator LED on the controller will remain solid.

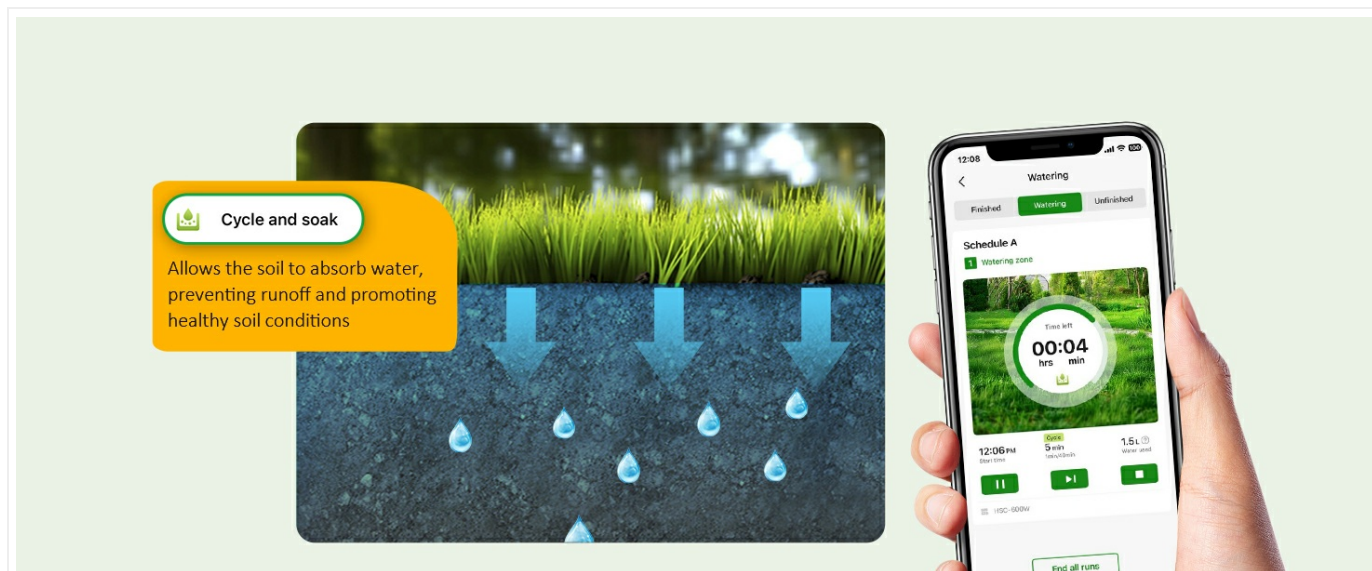


Figure 4: Steps for connecting the controller to your WiFi network using the HiOazo app. Ensure you are connecting to a 2.4GHz network.

OPERATING INSTRUCTIONS

The HiOazo HSC-600W controller offers flexible and intelligent irrigation management through its mobile application.

1. Creating Irrigation Programs

You can set up to 16 distinct irrigation programs for your 6 zones. Each program can be customized with specific start times,

durations, and watering days.

1. Open the HiOazo app and navigate to the 'Schedules' section.
2. Tap 'Add Schedule' to create a new program.
3. Select the zones to be included in this program.
4. Define the watering duration for each selected zone.
5. Choose the watering frequency: daily, specific days of the week, or odd/even days.
6. Set the start and end dates for the program.



Figure 5: The 6-step process for creating a personalized irrigation schedule using the HiOazo app.

2. Smart Weather Skips

The controller can automatically adjust watering schedules based on local weather conditions to prevent overwatering and conserve water.

- **Rain Skip:** Automatically suspends irrigation if rain is detected or forecast.
- **Freeze Skip:** Prevents watering when temperatures drop below freezing.
- **Wind Skip:** Skips watering during high wind conditions to avoid water waste.
- **Seasonal Adjust:** Automatically modifies watering duration based on seasonal changes.

These features can be enabled or disabled within the app's settings for each program.

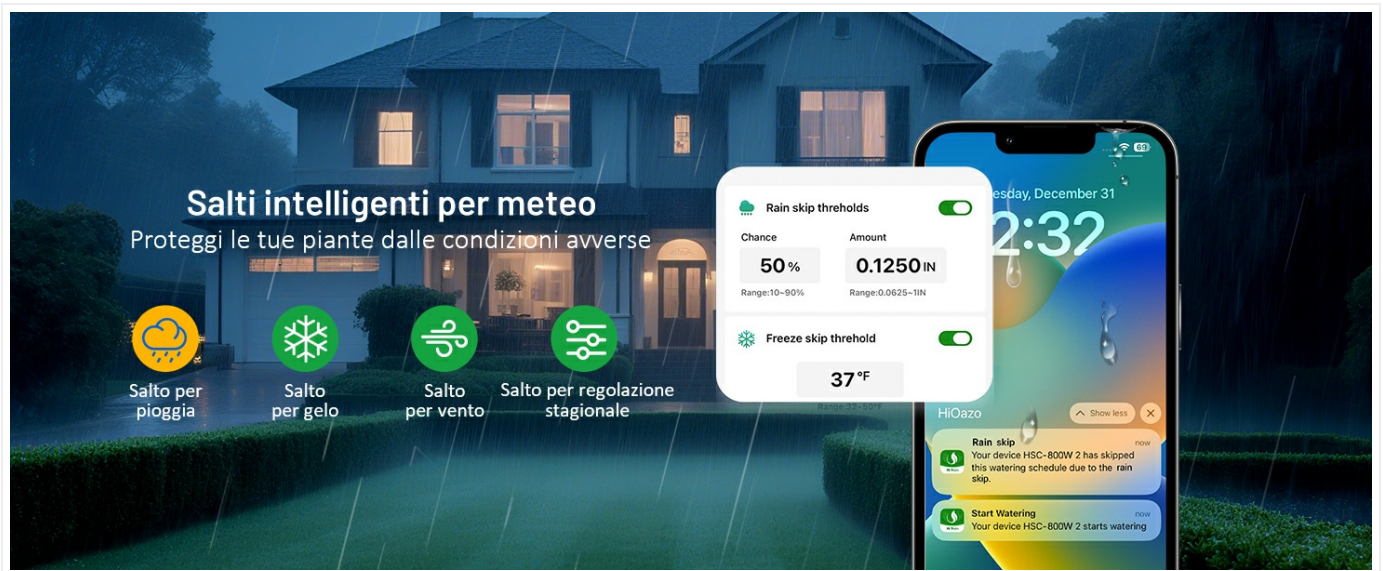


Figure 6: App interface demonstrating the smart weather skip functionalities, including rain, freeze, and wind skip thresholds.

3. Irrigation Modes

The HiOazo app offers two primary irrigation modes to optimize water absorption and prevent runoff:

- **Cycle and Soak:** This mode applies water in multiple short cycles with pause periods in between. This allows the soil to absorb water gradually, reducing runoff and promoting deeper root growth. It is ideal for sloped areas or compacted soils.
- **No Cycle and Soak:** This mode applies water continuously for the set duration. Suitable for flat areas with good drainage.



Figure 7: Visual explanation of the 'Cycle and Soak' method, which allows soil to absorb water effectively, preventing runoff.

4. Manual Irrigation

For immediate watering needs, you can manually start or stop irrigation for specific zones directly from the app. This is useful for testing your system or providing extra water to certain areas.

- In the app, navigate to the 'Watering' section.
- Select 'Quick Run' to initiate manual watering for a chosen zone and duration.

L'irrigazione a portata di mano

Controllare e ottimizzare l'irrigazione da qualsiasi luogo via WiFi

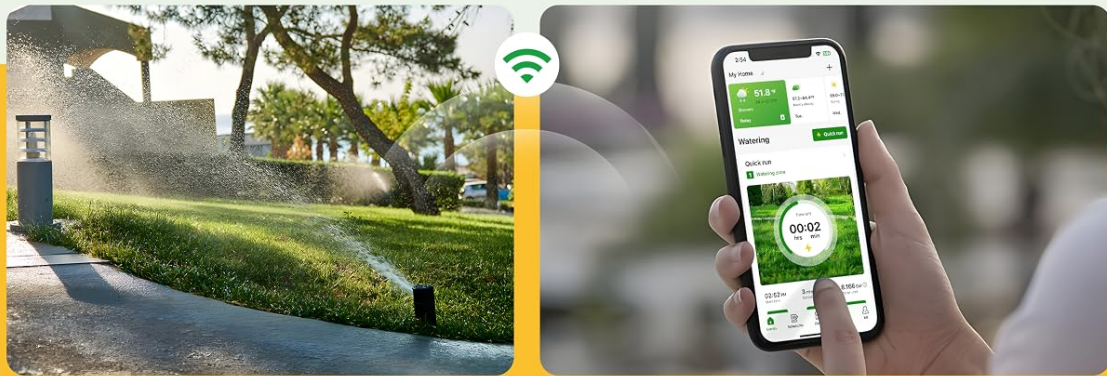


Figure 8: The 'Quick Run' feature in the HiOazo app for initiating immediate manual irrigation.

MAINTENANCE

To ensure optimal performance and longevity of your HiOazo HSC-600W controller, follow these general maintenance guidelines:

- **Keep Clean:** Periodically wipe the exterior of the controller with a soft, dry cloth to remove dust and debris. Avoid using harsh chemicals or abrasive cleaners.
- **Check Connections:** Annually inspect all wiring connections to ensure they are secure and free from corrosion.
- **Software Updates:** Ensure your HiOazo app and controller firmware are up to date. The app will typically notify you of available updates.
- **Winterization:** In regions with freezing temperatures, disconnect the controller and drain all water from the irrigation system to prevent freeze damage. Store the controller in a dry, protected area during winter months.

TROUBLESHOOTING

If you encounter issues with your HiOazo HSC-600W controller, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Controller not connecting to WiFi	Incorrect WiFi password; connecting to 5GHz network; weak signal; router issues.	Ensure correct password. Verify your router is broadcasting a 2.4GHz network. Move controller closer to router. Restart router. Reset controller WiFi (press and hold button until LED flashes).
Zones not watering	Valve issues; wiring problems; rain sensor activated; program not set correctly; master valve/pump not activating.	Check valve connections and functionality. Inspect wiring for damage. Check if rain sensor is active in the app. Review program settings. Ensure master valve/pump is connected and working.
App not responding or crashing	Outdated app version; phone operating system issues; temporary app glitch.	Update the HiOazo app to the latest version. Restart your phone. Reinstall the app.

Problem	Possible Cause	Solution
Watering occurs unexpectedly	Incorrect program schedule; manual watering initiated; system test.	Review all active irrigation programs in the app. Check if manual watering was accidentally activated.

SPECIFICATIONS

- **Brand:** HiOazo
- **Model:** HSC-600W
- **Number of Zones:** 6
- **Programs:** Up to 16 customizable programs
- **Connectivity:** WiFi (2.4GHz only)
- **Material:** Plastic
- **Display Type:** Digital (LED indicators for zones and WiFi)
- **Power Input:** 24VAC
- **Included Components:** Irrigation Controller, Power Plug, User Manual, Installation Accessories
- **Smart Home Compatibility:** Yes
- **Country of Origin:** China

WARRANTY INFORMATION

For detailed warranty information regarding your HiOazo HSC-600W Smart Irrigation Controller, please refer to the warranty card included with your product packaging or visit the official HiOazo website. Warranty terms and conditions may vary by region.

SUPPORT

Should you require further assistance or have questions not covered in this manual, please contact HiOazo customer support. You can typically find support contact details within the HiOazo mobile application or on the official HiOazo website. No official product videos from the seller were found in the provided data.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question