



[Manuals.plus](#) /

> [Inkbird](#) /

> Inkbird IIC-400-WIFI 4-Zone Smart Irrigation Controller User Manual

Inkbird IIC-400-WIFI

Inkbird IIC-400-WIFI 4-Zone Smart Irrigation Controller User Manual

Model: IIC-400-WIFI

1. INTRODUCTION

Thank you for choosing the Inkbird IIC-400-WIFI 4-Zone Smart Irrigation Controller. This device is designed to provide efficient and automated watering for your garden, lawn, or landscape. With WiFi connectivity, you can manage your irrigation system remotely via a dedicated application, offering flexibility and water-saving features. This manual will guide you through the installation, setup, operation, and maintenance of your new irrigation controller.



The Inkbird IIC-400-WIFI 4-Zone Smart Irrigation Controller.

2. SAFETY INFORMATION

- Read all instructions carefully before installation and operation.
- This device is designed for outdoor and indoor use and features a weatherproof cover. Ensure the cover is properly sealed when installed outdoors to protect against dust, wind, sand, and rain.
- Only use the provided power adapter. Using an incorrect adapter may damage the device or pose a safety risk.
- Ensure all wiring connections are secure and correct to prevent electrical hazards.
- Keep the device and its components out of reach of children.
- Do not attempt to disassemble or repair the unit yourself. Contact customer support for assistance.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x Inkbird IIC-400-WIFI Smart Irrigation Controller
- 1 x Power Adapter
- 1 x User Manual
- Mounting Screws with Anchors (3 pcs)
- Wiring Connectors (4 pcs)

- 1 x Screwdriver
- Adhesive Label



Illustration of package contents and initial installation steps.

4. PRODUCT OVERVIEW

The Inkbird IIC-400-WiFi is a 4-zone smart irrigation controller designed for comprehensive garden watering management. It offers both automatic and manual watering modes, allowing for flexible control tailored to your specific needs. Key features include:

- **4-Zone Control:** Manage up to four independent watering zones.
- **WiFi Connectivity:** Control and monitor your system remotely via the Inkbird app.
- **Non-Volatile Memory:** Retains all settings indefinitely, even after power loss.
- **Seasonal Adjustment:** Easily modify watering duration across all zones with a single setting to adapt to changing seasons.
- **Rain Skip Function:** Connect an optional rain sensor to automatically pause watering during rainy conditions, conserving water.
- **Multiple Watering Options:** Choose from daily, cyclic (every X days), odd days, or even days watering schedules.
- **Multiple Start Times:** Set up to 6 start times per day for each zone.



5. SETUP

5.1 Physical Installation

1. Choose a suitable location for the controller. It can be installed indoors or outdoors, but ensure it is protected from direct sunlight and extreme weather conditions.
2. Use the provided mounting screws and anchors to securely attach the controller to a wall or sturdy surface.



Physical installation steps for the controller.

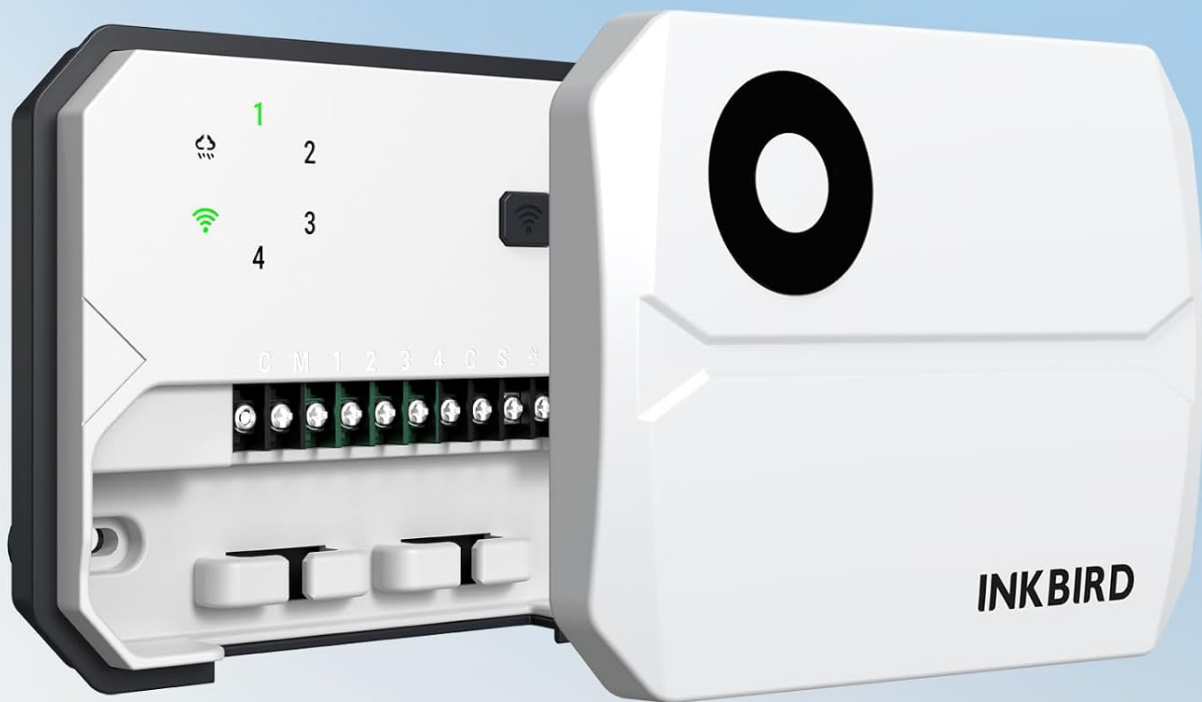
5.2 Wiring Connections

Connect your irrigation valves and power adapter to the controller as follows:

- **Master Valve/Pump (M):** Connect the common wire from your master valve or pump to the 'M' terminal.

- **Zone Valves (1-4):** Connect the control wires from each of your 4 zone valves to the corresponding numbered terminals (1, 2, 3, 4).
- **Common Wire (C):** Connect the common wire from all your zone valves to the 'C' terminal.
- **Rain Sensor (S):** If using an optional rain sensor, connect its wires to the 'S' terminals.
- **Power (24VAC):** Connect the provided power adapter to the '24VAC' terminals.

Make Everyday Life Smarter with the **INKBIRD IIC-400-WIFI**



WiFi App Control

4

4 Zones Control



4 Cyclic Options

6

6 Start Times



Seasonal Adjustment



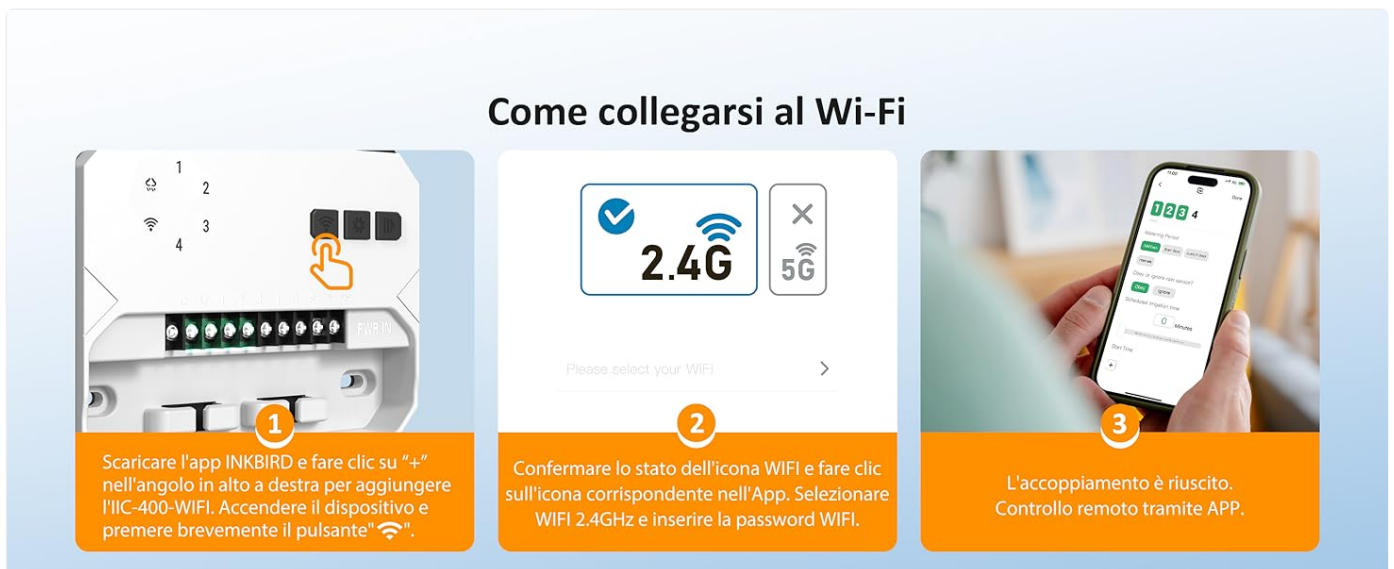
Watering History

Wiring diagram for the Inkbird IIC-400-WIFI controller.

5.3 App Download and WiFi Connection

1. Download the "Inkbird Irrigation" app from the App Store (iOS) or Google Play Store (Android).
2. Register an account or log in if you already have one.
3. Ensure your smartphone is connected to a **2.4GHz WiFi network**. The controller does not support 5GHz networks.
4. Open the app, tap the "+" icon in the top right corner to add a device, and select "IIC-400-WIFI".
5. Follow the on-screen instructions in the app to connect the controller to your WiFi network. This typically involves pressing a button on the controller to enter pairing mode.

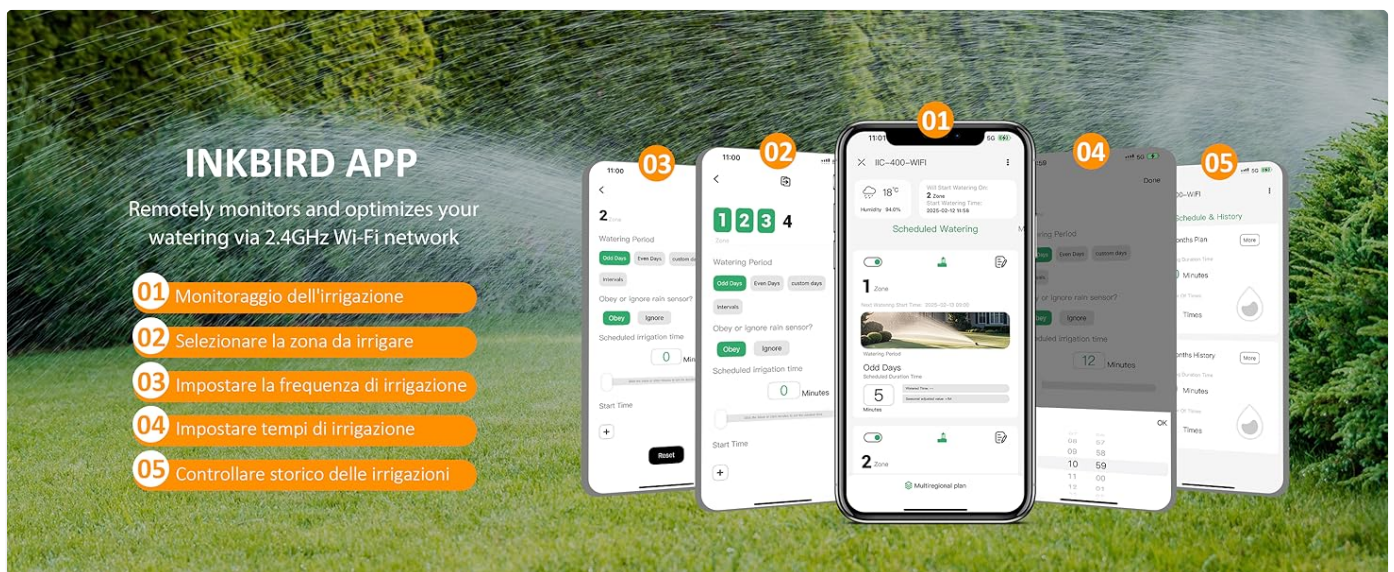
6. Once connected, the WiFi indicator on the controller will be solid, and the device will appear in your app.



Steps for connecting the Inkbird IIC-400-WIFI to your home WiFi network.

6. OPERATING INSTRUCTIONS

All operations are performed through the Inkbird Irrigation app.



The Inkbird Irrigation app interface for remote control.

6.1 Automatic Watering Modes

The controller offers four cyclic options to determine watering frequency for each zone:

- **Days of the Week:** Select specific days (e.g., Mon, Wed, Fri).
- **Intervals:** Water every 'X' number of days.
- **Odd Days:** Water on odd-numbered days of the month.
- **Even Days:** Water on even-numbered days of the month.

You can program a separate watering schedule for each zone.

Multiple Choices, Flexible Setting

4 **4 Cyclic Options**
to set how often to water

6 **6 Start Times**
to set when to start watering



Setting watering frequency options within the app.

6.2 Setting Start Times

For each zone, you can set up to 6 start times per day. This allows for precise watering based on plant needs and environmental conditions.

6.3 Manual Watering

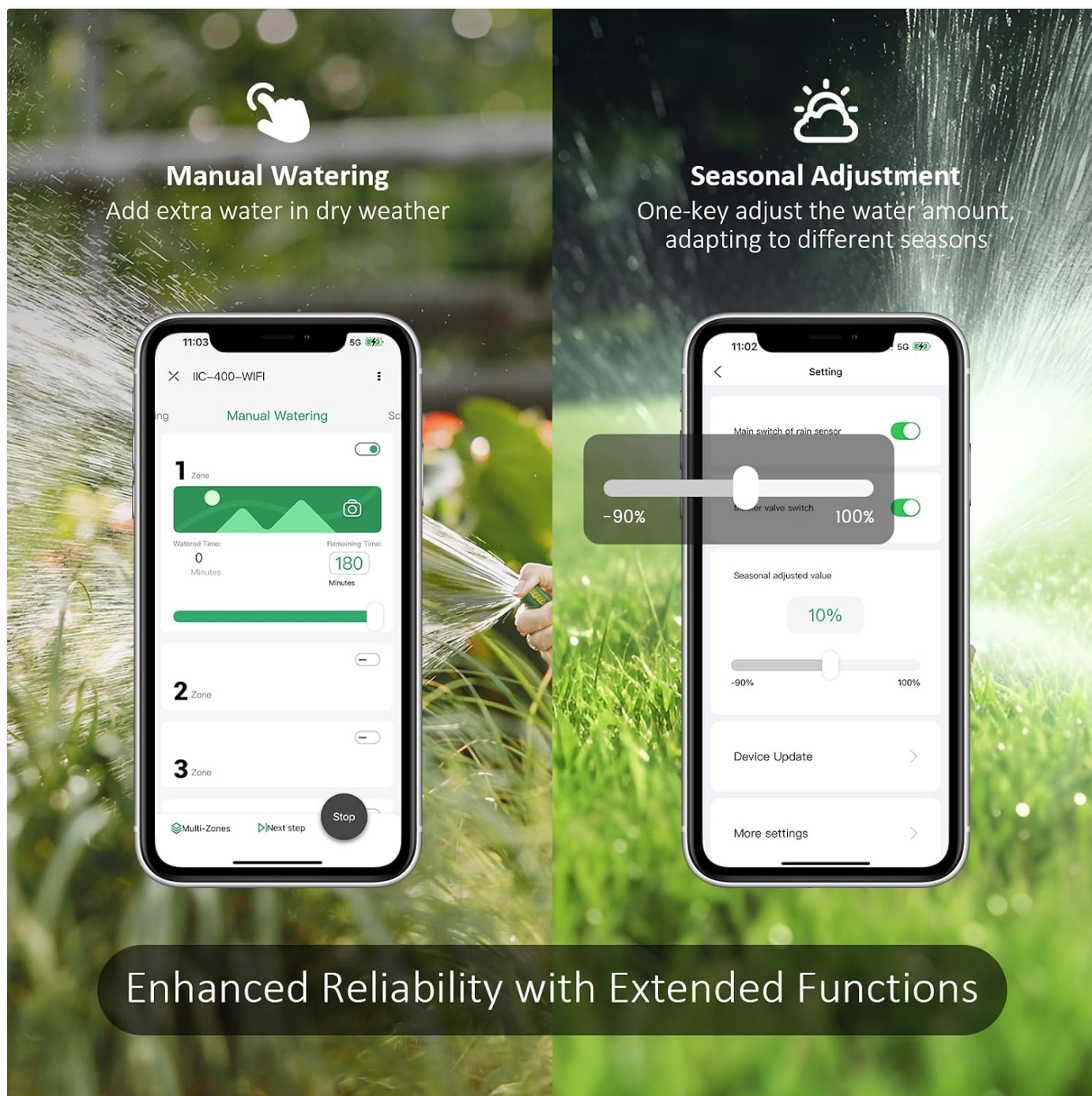
To provide extra water in dry weather or for specific needs, you can initiate manual watering:

1. Open the Inkbird Irrigation app.
2. Navigate to the manual watering section.
3. Select the desired zone(s) and set the watering duration.
4. Start the manual watering cycle.

6.4 Seasonal Adjustment

The seasonal adjustment feature allows you to easily modify the watering duration for all active programs with a single setting. This is useful for adapting to seasonal changes without reprogramming each schedule individually.

1. In the app, find the Seasonal Adjustment setting.
2. Adjust the percentage to increase or decrease watering duration across all zones. For example, setting it to 50% will halve all scheduled watering times.



App interfaces for manual watering and seasonal adjustment.

6.5 Rain Skip Function

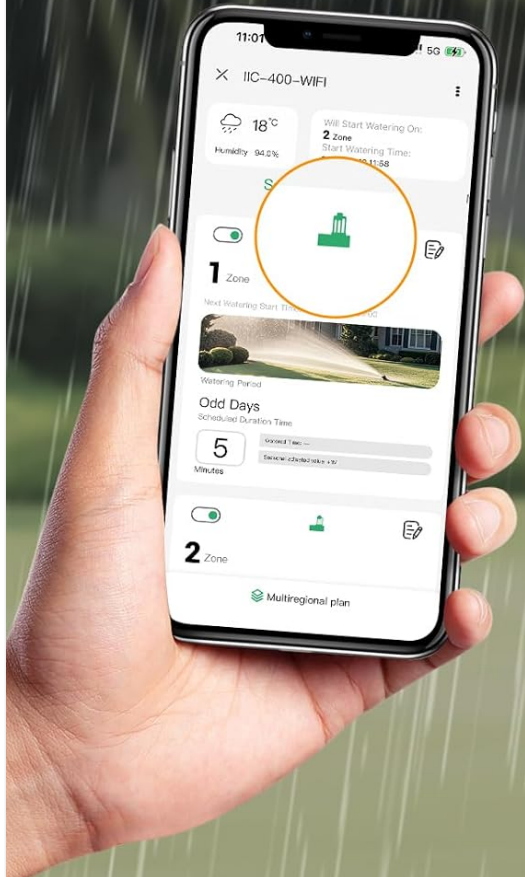
If an optional rain sensor is connected, the controller can automatically pause irrigation during rainfall, preventing overwatering and saving water.

1. Ensure your rain sensor is correctly wired to the 'S' terminals.
2. Enable the rain skip function within the app settings.
3. The system will automatically detect rain and temporarily suspend scheduled watering.



Smart Rain Skip

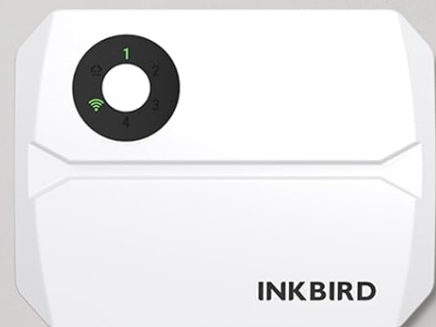
No more rotten roots due to overwatering



The app interface for the Smart Rain Skip feature.

Salto della pioggia automatizzato

Risparmio idrico con IIC-400-WiFi



Rain skip feature in action, showing water savings.

6.6 Viewing Watering History

The app allows you to view your watering schedules for the next 3 months and review the history of the last 6 months. This helps in monitoring water usage and optimizing schedules.



Viewing watering plans and history in the app.

7. MAINTENANCE

- **Cleaning:** Wipe the controller's exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Connection Check:** Periodically inspect all wiring connections to ensure they are secure and free from corrosion.
- **Weather Protection:** If installed outdoors, ensure the weatherproof cover remains properly sealed to protect internal components.
- **Software Updates:** Keep the Inkbird Irrigation app updated to the latest version for optimal performance and new features.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Controller not connecting to WiFi	Incorrect WiFi password; 5GHz network selected; router too far; weak signal.	Ensure correct 2.4GHz WiFi network and password. Move controller closer to router or use a WiFi extender. Restart controller and router.
Zones not watering	No power to controller; incorrect wiring; valves not working; rain skip active; schedule not set.	Check power adapter connection. Verify wiring to valves. Test valves manually. Check app for active rain skip or schedule settings.
App shows device offline	WiFi disconnected; internet outage; controller power loss.	Check home WiFi and internet connection. Verify controller has power. Reconnect controller to WiFi via app if necessary.
Seasonal adjustment not working	Feature not enabled or incorrectly set in app.	Ensure seasonal adjustment is enabled and the percentage is set as desired in the app settings.

9. SPECIFICATIONS

Feature	Detail
Model	IIC-400-WIFI
Brand	Inkbird
Number of Zones	4
Voltage	24 Volt
Material	Acrylonitrile Butadiene Styrene (ABS)
Item Weight	933 Grams
Color	White
Display Type	LCD or LED
Connectivity	WiFi (2.4GHz only)
Non-Volatile Memory	Integrated

10. WARRANTY AND SUPPORT

Inkbird products are designed for reliability and performance. For warranty information, technical support, or any questions regarding your Inkbird IIC-400-WIFI controller, please refer to the official Inkbird website or contact their customer service directly. Keep your purchase receipt for warranty claims.

For further assistance, visit: www.inkbird.com

