

[Manuals.plus](#) /

› [Inkbird](#) /

› Inkbird Smart Sprinkler Controller IIC-800-WIFI User Manual

Inkbird IIC-800-WIFI

Inkbird Smart Sprinkler Controller IIC-800-WIFI User Manual

Model: IIC-800-WIFI

Brand: Inkbird

1. INTRODUCTION

The Inkbird Smart Sprinkler Controller IIC-800-WIFI is an advanced 8-zone indoor irrigation system designed to provide efficient and flexible watering for your garden or lawn. This controller offers both automatic and manual watering modes, remote monitoring capabilities via the INKBIRD APP, and features like seasonal adjustment and non-volatile memory to ensure your watering schedules are maintained even after power interruptions.



Figure 1: Inkbird IIC-800-WIFI Smart Sprinkler Controller and its mobile application interface.

2. WHAT'S IN THE BOX

Upon opening the package, verify that all components are present and in good condition:

- IIC-800-WIFI Smart Sprinkler Controller
- Power Adapter
- User Manual
- Mounting Hardware (screws, anchors, wire connectors)
- Small Screwdriver (may be included for convenience)



Figure 2: Packaged contents of the Inkbird IIC-800-WIFI Smart Sprinkler Controller.

3. SETUP & INSTALLATION

Follow these steps for proper installation and initial setup of your Inkbird Smart Sprinkler Controller.

3.1 Physical Installation

Choose a suitable indoor location for mounting the controller, away from direct sunlight and extreme temperatures. The unit is designed for indoor use. Use the provided mounting hardware to securely attach the controller to a wall. The front cover is magnetic for easy removal and access to wiring terminals.

Your browser does not support the video tag.

Video 1: Overview of the Inkbird IIC-800-WIFI Smart Sprinkler Controller, including unboxing and physical features. This video demonstrates the magnetic cover and the easy-to-use wiring terminals.

3.2 Wiring Connections

Before connecting wires, ensure the power adapter is unplugged. The controller features push-in wire connections, eliminating the need for a screwdriver. Simply push back the tab, insert the stripped wire, and release the tab to secure the connection. Connect your common wire (CM) and individual zone wires (1-8) to the corresponding terminals. If you

have a rain sensor, connect it to the S1/S2 terminals. Finally, connect the power adapter to the 24VAC input.

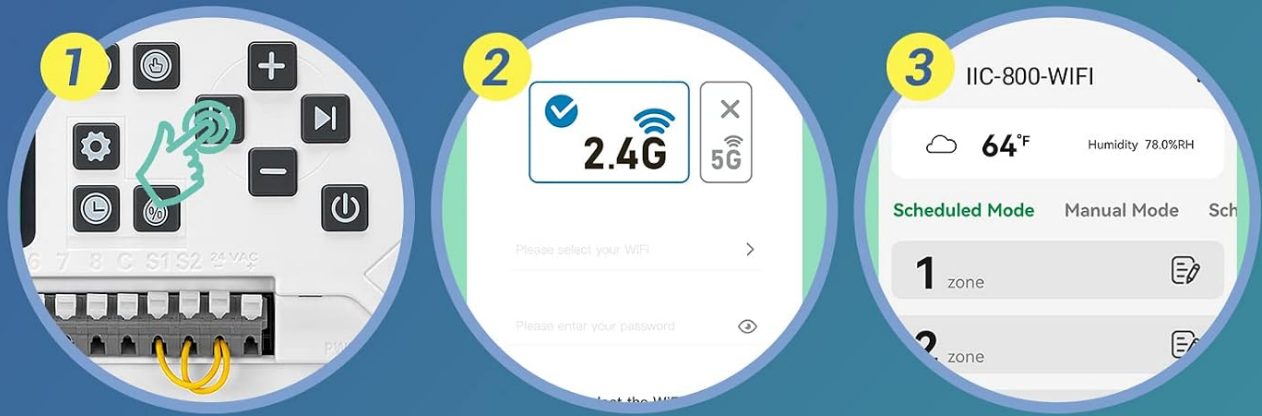


Figure 3: Wiring diagram for the Inkbird IIC-800-WIFI controller.

3.3 App Setup & Wi-Fi Pairing

The Inkbird Smart Sprinkler Controller is Wi-Fi enabled, allowing for remote control and programming via the INKBIRD APP (compatible with iOS 11.0+ and Android 5.0+). Download the INKBIRD App from your device's app store. Once installed, open the app and follow the on-screen instructions to add your IIC-800-WIFI device. Ensure your smartphone is connected to a 2.4GHz Wi-Fi network during the pairing process. The controller's non-volatile memory will save all settings even if power is lost.

Easy to use



1 Download the INKBIRD App, and click "+" on the top right corner to add IIC-800-WIFI. Power on the device, and short press the |◀ button.

2 Confirm the WiFi icon status and click the relevant icon on the app. Select **2.4GHz** WiFi and enter the WiFi password.

3 Pairing is successful. Remote control via APP.

Figure 4: Steps for connecting the controller to the INKBIRD App.

4. OPERATING INSTRUCTIONS

The Inkbird controller offers various modes and features for optimal irrigation management.

4.1 Automatic Watering Modes

Program your watering schedules using the INKBIRD App. You can set schedules based on:

- **Days of the Week:** Select specific days (Mon, Tue, Wed, etc.) for watering.
- **Intervals:** Set watering to occur 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.

Each zone can be programmed with its own unique schedule. The controller's non-volatile memory will save all settings even if power is lost. The controller supports multiple start times per day for each zone.

*Automatically
Watering
On Schedules,
No Matter
Where You Are*



Figure 5: Automatic watering functionality and remote access.

4.2 Manual Watering

For immediate watering needs, you can manually activate individual zones or multiple zones simultaneously directly from the INKBIRD App. This is useful for spot watering or testing your system.

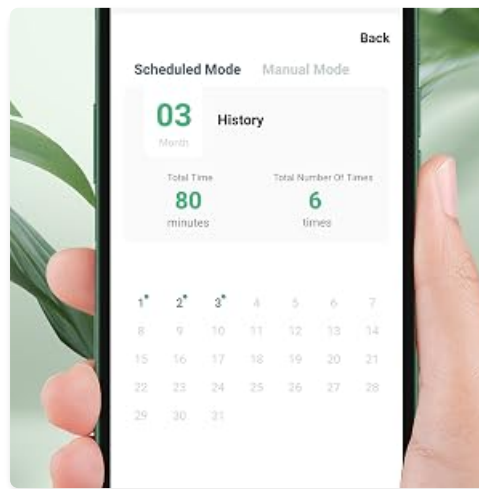


Figure 6: Manual control options on the device and app.

4.3 Rain Sensor Functionality

If a rain sensor is connected, the controller can automatically pause watering schedules on rainy days to conserve water. You have the option to "Obey" or "Ignore" the rain sensor within the app settings for each zone.

Support Rain Sensor, Save Water!

Automatically pause the watering schedules on rainy days if you choose to obey the rain sensor.

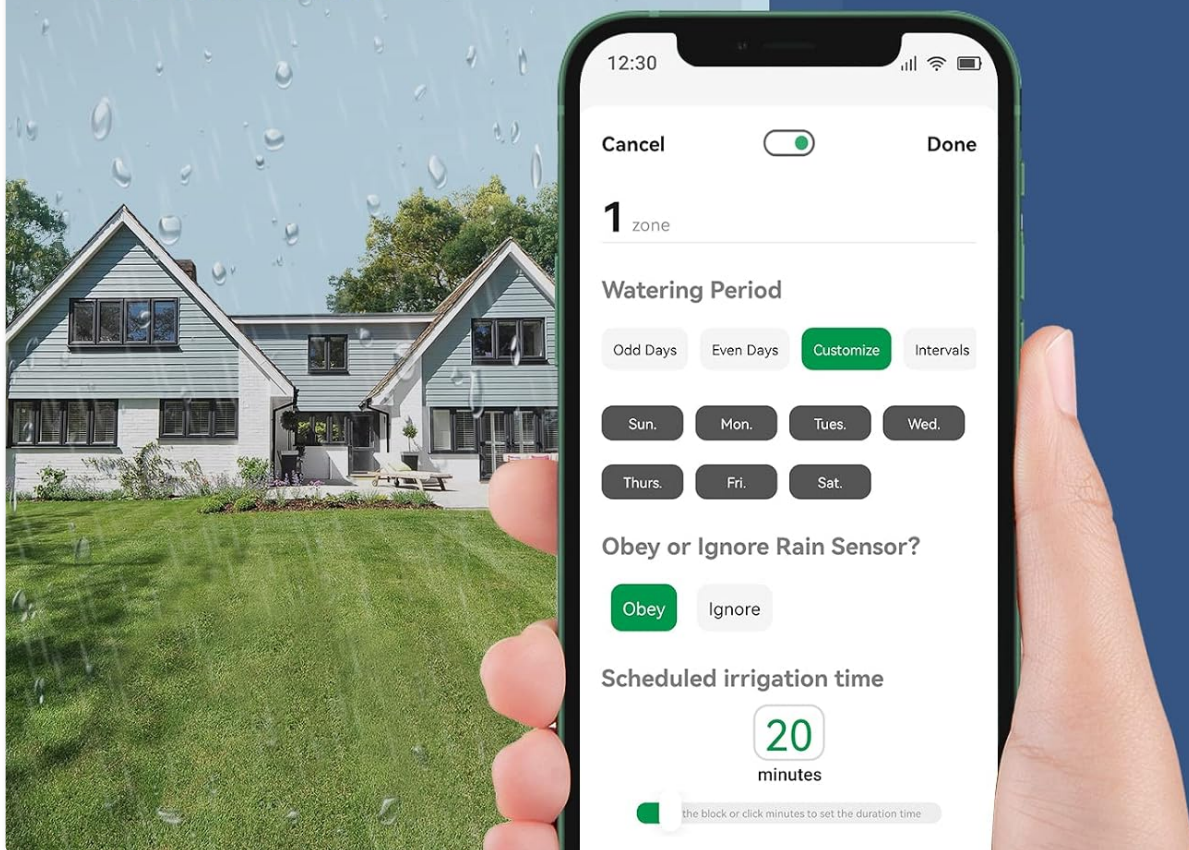


Figure 7: Rain sensor integration for water saving.

4.4 Seasonal Adjust

The seasonal adjustment feature allows you to easily modify the watering time for all zones simultaneously with a single setting. This is ideal for adapting to changing weather conditions throughout the year, ensuring your plants receive appropriate hydration while minimizing water waste.



Figure 8: Seasonal adjustment feature in the app.

4.5 Home Management & Notifications

The INKBIRD App supports home management, allowing you to add family members and share control of the sprinkler system. You will receive notifications on your phone for important events, such as the controller going offline or watering cycles completing, enabling timely intervention.



Figure 9: Home management and notification features.

4.6 Monitoring & History

The INKBIRD App provides a comprehensive history of watering activities, including total run time and number of cycles. This allows you to monitor water usage and ensure your irrigation system is operating as intended.

INKBIRD Upgraded App

Remotely monitors and optimizes your watering via 2.4GHz Wi-Fi networks.



Figure 10: App interface for monitoring and history.

5. MAINTENANCE

To ensure the longevity and optimal performance of your Inkbird Smart Sprinkler Controller, regular maintenance is recommended:

- **Cleaning:** Wipe the unit with a dry cloth to remove dust and debris. Avoid using harsh chemicals or abrasive cleaners.
- **Wire Inspection:** Periodically check all wire connections to ensure they are secure and free from corrosion.
- **Software Updates:** Keep the INKBIRD App updated to the latest version to access new features and performance improvements. The controller's firmware may also receive updates via the app.
- **Seasonal Checks:** Before and after peak watering seasons, review your schedules and seasonal adjustments to ensure they align with current needs.

6. TROUBLESHOOTING

If you encounter issues with your Inkbird Smart Sprinkler Controller, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Controller not powering on.	No power to the outlet or faulty power adapter.	Check the power outlet with another device. Ensure the power adapter is securely connected to the controller and the outlet.
"Line Error" displayed on screen or constant beeping.	This typically indicates a short circuit or an issue with the wiring to one of the zones or the common wire.	1. Disconnect all zone wires and the common wire from the controller. 2. Reconnect the common wire (CM) first. 3. Reconnect each zone wire one by one, checking if the error reappears after each connection. This will help identify the problematic zone. 4. Inspect the wiring for the problematic zone for any cuts, exposed wires touching, or loose connections. Ensure wires are properly stripped and inserted into the terminals. 5. If a rain sensor is connected, try disconnecting it to see if the error persists.
Zones not watering.	Incorrect schedule, rain sensor active, or valve issue.	Verify schedules in the app. Check if the rain sensor is active and set to "Obey". Manually test the zone from the app. Inspect the valve for clogs or damage.
Cannot connect to Wi-Fi.	Incorrect Wi-Fi password, 5GHz network, or weak signal.	Ensure you are connecting to a 2.4GHz Wi-Fi network. Double-check the Wi-Fi password. Move the controller closer to the router or consider a Wi-Fi extender.

7. SPECIFICATIONS

Feature	Detail
Model	IIC-800-WIFI
Number of Zones	8
Connectivity	2.4G WiFi
Memory	Non-volatile memory (retains settings after power loss)
App Compatibility	iOS 11.0+ and Android 5.0+
Power Supply	AC adapter (included)
Voltage	24 Volts
Material	Acrylonitrile Butadiene Styrene (ABS)
Display Type	LCD with Backlight
Operating Temperature	68 Degrees Fahrenheit (20°C)
Item Weight	2.77 pounds (1.26 kg)

Feature	Detail
Care Instructions	Wipe with Dry Cloth

8. WARRANTY & SUPPORT

Inkbird products typically come with a manufacturer's warranty. Please refer to the warranty card included in your product packaging for specific terms and conditions. For technical support, troubleshooting assistance, or warranty claims, please contact Inkbird customer service through their official website or the contact information provided in your product documentation.

Online Resources:

- [Inkbird Official Amazon Store](#)

© 2025 Inkbird. All rights reserved.

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

Email

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Details

Submit question