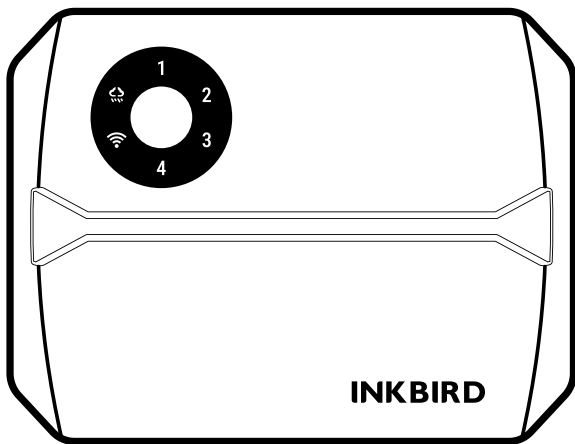


# INKBIRD



## ***SMART SPRINKLER CONTROLLER***

**IIC-400-WIFI**

***U S E R   M A N U A L***



Please keep this manual properly for reference. You can also scan the QR code to visit our official website for product usage videos. For any usage issues, please feel free to contact us at **support@inkbird.com**.

Wenn Sie eine Bedienungsanleitung in deutscher Sprache benötigen, scannen Sie bitte den QR-Code und besuchen Sie unsere Website, um sie zu erhalten und ein Video über die Verwendung des Produkts zu sehen.

Se avete bisogno di un manuale di istruzioni in italiano, scansionate il codice QR e visitate il nostro sito web per ottenerlo e vedere un video su come utilizzare il prodotto.

Si vous avez besoin d'un mode d'emploi en français, veuillez scanner le code QR pour visiter notre site officiel afin d'obtenir et de visionner la vidéo d'utilisation du produit !

Als je een Nederlandstalige handleiding nodig hebt, scan dan de QR-code om naar onze officiële website te gaan en bekijk de video over het gebruik van het product!

Si necesita el manual de instrucciones en español, escanee el código QR para ir a nuestro sitio web oficial y ver el vídeo sobre cómo utilizar el producto.



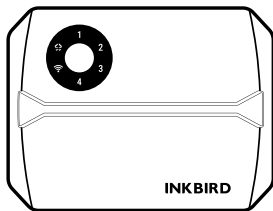
### ***Warm tips***

- To quickly jump to a specific chapter page, click on the relevant text on the contents page.
- You can also use the thumbnail or document outline in the top left corner to quickly find a specific page.

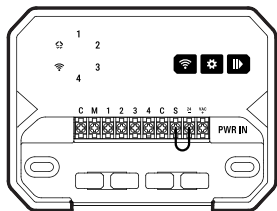
# CATALOGUE

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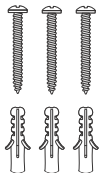
## 01 WHAT YOU WILL GET?



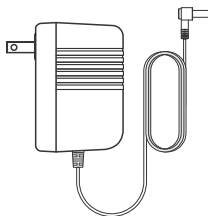
Protective Face Plate



Smart Sprinkler Controller



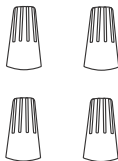
3x Screws with Anchors



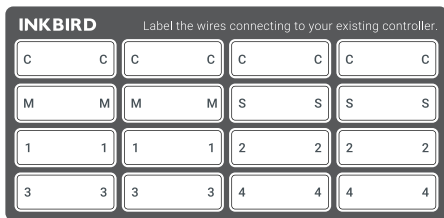
Power Adapter



Screwdriver



Threaded Wiring Connectors(4PCS)

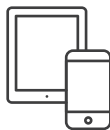


Label Sticker

## 02 TOOLS YOU WILL NEED



2.4Ghz Wi-Fi Access



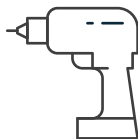
Smartphone or Tablet



Screwdriver



Hammer



Electric Drill

## ● Electrical Specifications

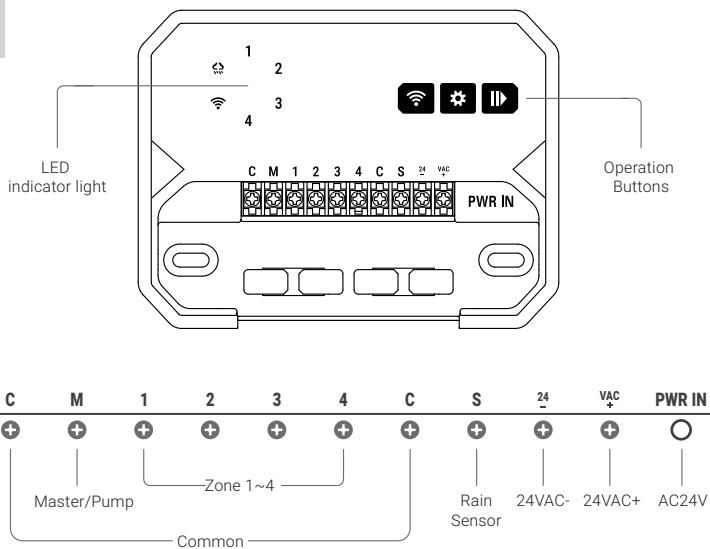
<i>Adapter Input</i>	<i>US - AC120V 60Hz</i> <i>AU - AC230~240V 50Hz</i> <i>EU - AC230V 50Hz</i> <i>UK - AC240V 50Hz</i>
<i>Adapter Output</i>	<i>AC24V 1000mA</i>
<i>Controller Input</i>	<i>AC24V 1000mA</i>
<i>Zone Output</i>	<i>Compatible with AC24V control valve</i>
<i>Master/Pump Valve Output</i>	<i>AC24V</i>

## ● App Installation Requirements

- iOS or Android compatible device (iOS 13/Android 7.1 and later)
- 2.4GHz wireless network signal available at the installation location
- Support WEP/WPA/WPA2/WPA2 PSK(AES) security modes

## ● Product Dimensions

- Controller Size: 6.11inch\*4.67inch\*1.45inch/155.2mm\*118.5mm\*36.9mm
- Product Weight: 224g/7.9oz

03 **PRODUCT DIAGRAM**



## 04 INSTALLATION STEPS




- Before installation, ensure that the device can connect to WiFi without any issues.


### Step 1: Download the APP

Search the keyword "INKBIRD" in App Store or Google Play, or scan the QR code to download and install the APP. Create your account once the App is installed.



### Step 2: Connect to Wi-Fi

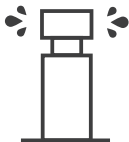
Plug the device into a power socket, and the LED light will fully light up for one second. After waiting for 5 seconds, the  indicator light will flash, indicating that the device has entered the WiFi connection state. If the  indicator light does not flash, press and hold the  button for two seconds to reset the WiFi connection.

Open the INKBIRD app and click "+" on the top right corner to add a device. Then, follow the app instructions to complete the Wi-Fi connection. Note that this controller only supports 2.4GHz Wi-Fi networks. After the connection is successful, the  indicator on the controller will always be on.

**Congratulations! You have successfully connected the product to WiFi! Please follow the steps below to complete the installation.**

## Step1: Remove your old controller

First, test your old system to ensure all the sprinklers work properly. Then label each wire using the included label stickers to avoid confusion.



Check all sprinklers



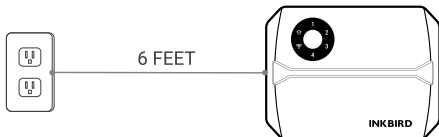
Mark all wires



Remove old controller

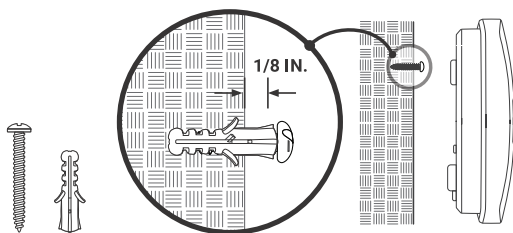
## Step 2: Mark Screw Locations

1. Please make sure the distance between the device and the power socket is under 6 feet (1.8 meters).



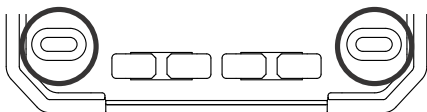
2. Use the mounting template to mark the location for installation. Then use the electric drill to drill holes in the marked mounting locations. Finally, use the hammer to install the screw anchors to the wall.

3. Secure the top screw. Pay attention to leave a proper distance between the nut and the wall for hanging the controller.



### Step 3: Install Your New Controller

Hang your new controller on the nut. Then secure the controller with two screws at the bottom.

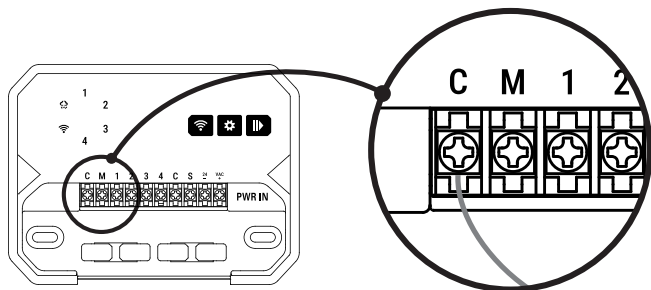


### Step 4: Wire Connection

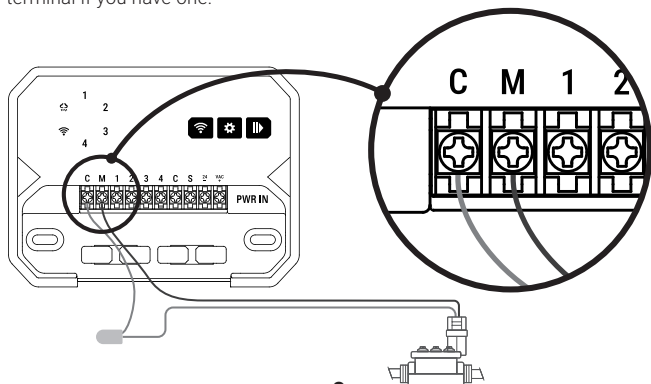
Insert the wires into the appropriate terminals.

**C****Common Wires**

Common wires are usually labeled "C", insert them into any of the "C" terminals.

**M****Master valve /Pump start relay****1.Master valve (optional)**

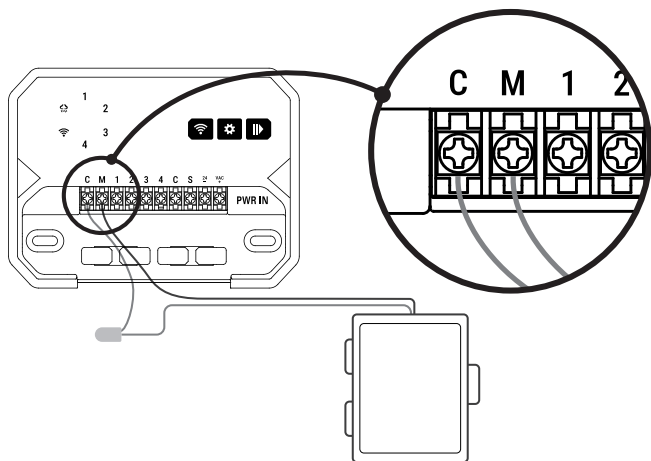
Master valve wires are usually labeled "M". Wire the master valve into the "M" terminal if you have one.



## 2. Pump start relay (optional)

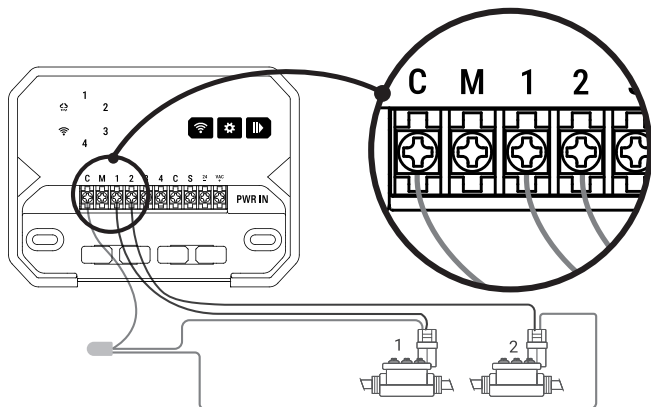
A water pump extracts water from a well or other water sources. If you want to start a water pump via the controller, a pump start relay is necessary. Pump start relay wires are usually labeled "Pump". Please wire it into the "M" terminal.

**Note:** The pump should never be wired directly to the controller, doing so will damage your controller, as well as void your warranty.



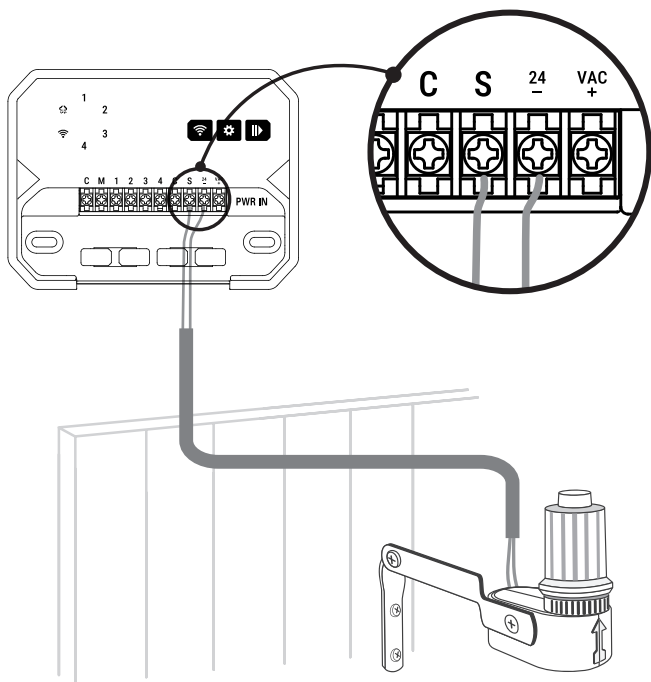
Pump Start Relay

Zone Wires correspond to the landscape's zones, insert them into the terminals 1~4.



Rain sensor wires are usually labeled "S", wire it into the "S" and "24-" terminals if you are running a rain sensor. "24-" terminal equals to the "C" terminal.

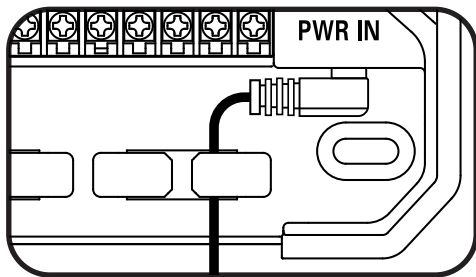
**Note:** Please enable the rain sensor on the app if you are running a rain sensor.



**PWR IN****Power-in**

Insert the power connector upwards into the power jack . Then plug the adapter into a power outlet.

**Note:** Please do not turn on the power before all wires are well connected. Please cut off the power of the controller if any wire is damaged. In that case, we recommend replacing the damaged wire to avoid hazards.



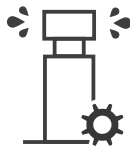
**Congratulations! You are now ready to use the new controller! Let's start a new irrigation journey!**



Remotely control  
your device







Create your smart  
IoT home



Optimize your  
watering schedule



What can you do if the Wi-Fi connection or irrigation facilities are not working? Here are some possible reasons and relative solutions for reference. We hope they are helpful. For any further questions, please feel free to contact us at [support@inkbird.com](mailto:support@inkbird.com).

<b>WiFi Connection Issue</b>	<ol style="list-style-type: none"> <li>1. Ensure the 2.4GHz WiFi signal is enabled on your router (it may need to be open in the router settings )</li> <li>2. Ensure the controller is within range of a stable and strong 2.4 GHz signal.</li> <li>3. Ensure your smartphone has Bluetooth enabled. With Bluetooth assistance, the controller can be connected faster.</li> <li>4. Ensure the controller is in the pairing mode, with the WiFi icon  flashing. Otherwise, please press and hold the  button for 2 seconds to enter pairing mode</li> </ol>
<b>Device Issue</b>	<ol style="list-style-type: none"> <li>1. The indicator light does not light up, please check if the power adapter is fully inserted into the power jack or if the power outlet is on.</li> <li>2. The controller does not activate the sprinkler to water, please check all the valves are wired to the controller correctly and the valves are compatible with 24V AC.</li> </ol>
<b>Setting Issue</b> (How to enter pairing mode/reset WiFi?)	Press and hold the  button for 2 seconds, and the  will flash.
The buzzer beeps once per second, and the indicator lights for Zone1 to Zone4 are always on?	The time of the clock chip has been restored to the default setting because the controller has been disconnected from power for about 10 days. Please use the INKBIRD app to reconnect the controller via WiFi to calibrate the clock time.

**06 FUNCTION DESCRIPTION****● Indicator Light**1  
2  
3  
4

Zone 1~4 indicator lights: Stays on when watering in progress; Flashing when watering is paused; Flashing in turn when soaking in progress. Flashing simultaneously when no schedules are running; All off when the controller shuts down.

All indicator lights are always on and the buzzer beeps once per second to indicate that the device time has been reset. WiFi needs to be re-paired to calibrate the device time.



Delay indicator light: When the rain sensor is switched on, it will light up when rain is detected.



WiFi indicator light: Flashing when it is in the pairing mode; Stays on when it is connected and online.

**● Operational Buttons**

WiFi button: press and hold it for 2 seconds to enter the pairing mode.



SET button



Start/Skip Button: Press and hold for 2 seconds to turn the controller on/off.

**● Manual Watering**

**Note:** You can start a quick run using the controller panel.

The manual watering time on the device is set to 180 minutes by default.

- Before to know: In the setting mode, the indicator lights of zones 1~4: stays on when it's selected(default), flashing when it is waiting to confirm, and stays off when it is unselected.

- Setting: Press the to enter the setting mode, then press to select the zone and go to next zone, or press to unselect and go to next zone. Press the to exit setting mode and start watering

**● Skip/End watering**

Press to cancel the zone watering when it is in progress.

## 07 FCC REQUIREMENT

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

## 08 CUSTOMER SERVICE

This item carries a 2-year warranty against defects in either components or workmanship. During this period, products that prove to be defective will, at the discretion of INKBIRD, be either repaired or replaced without charge. For any problems in use, please feel free to contact us at [support@inkbird.com](mailto:support@inkbird.com). We will do our best to help you.

# Shenzhen Inkbird Technology Co.,Ltd.

support@inkbird.com

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**Manufacturer:** Shenzhen Inkbird Technology Co., Ltd.

**Factory Address:** 6th Floor, Building 713, Pengji Liantang Industrial Area, No.2 Pengxing Road, Luohu District, Shenzhen, China



**V1.0**

MADE IN CHINA

DESIGNED BY INKBIRD