

## sainlogic BSV-IC205S

# Sainlogic Automatic Plant Waterer (Model BSV-IC205S) User Manual

Smart Self-Watering System with Humidity Monitor

## INTRODUCTION

Thank you for choosing the Sainlogic Automatic Plant Waterer. This smart self-watering system is designed to provide precise and efficient irrigation for up to 15 potted plants, ensuring optimal moisture levels whether you are at home or away. Featuring a humidity monitor, programmable timer, and IP64 waterproof design, this system simplifies plant care and conserves water. Please read this manual thoroughly before installation and operation to ensure proper use and longevity of your device.

## SAFETY INFORMATION

**Important:** For external use only. Do not immerse the main control unit in water. Ensure all connections are secure to prevent leaks. Keep out of reach of children. Use only the provided Type-C cable for power. Do not attempt to modify or repair the device yourself.

## PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 1 x Main Control Unit (Controller)
- 1 x Type-C Cable
- 1 x 33ft (10m) Tubing
- 15 x T-Joints
- 15 x Drippers (Watering Stakes)
- 1 x Filter
- 1 x Anti-Siphon Valve
- 1 x Soil Moisture Sensor (Humidity Detector)



capacity, and humidity status for easy monitoring and setup.

- **Programmable Timer:** Offers flexible timing options for scheduled watering, allowing customization based on plant needs and personal preferences.
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## SETUP GUIDE

Follow these steps to set up your Sainlogic Automatic Plant Waterer:

1. **Prepare the Water Source:** Place a bucket or reservoir of water near your plants. Ensure the water source is lower than the anti-siphon valve's installation position to prevent backflow.
2. **Connect the Filter:** Attach the filter to one end of the tubing and place it into your water reservoir.
3. **Connect Tubing to Control Unit:** Insert the other end of the tubing into the "IN" port of the main control unit.
4. **Install Drippers and T-Joints:**
  - Measure and cut the tubing to the desired lengths to reach each plant.
  - Insert T-joints into the cut tubing sections to create branches for each plant.
  - Attach a dripper (watering stake) to the end of each branch and insert it into the soil of your potted plant, ensuring it reaches the root area.
5. **Connect Soil Moisture Sensor:** Plug the soil moisture sensor into the designated port on the control unit. Place the sensor into the soil of a representative plant to monitor its moisture level.
6. **Position the Anti-Siphon Valve:** The anti-siphon valve must be installed at the highest point of the entire irrigation system, above the water reservoir, to prevent water from continuously flowing due to siphoning.
7. **Power On:** Connect the Type-C cable to the control unit and a suitable power adapter (not included). The device will power on and the display will activate.

# 15-Pot Self Watering System for Plants

Precise Drip Irrigation & Direct Root Irrigation Save 80% Water—Ideal for Indoor Garden

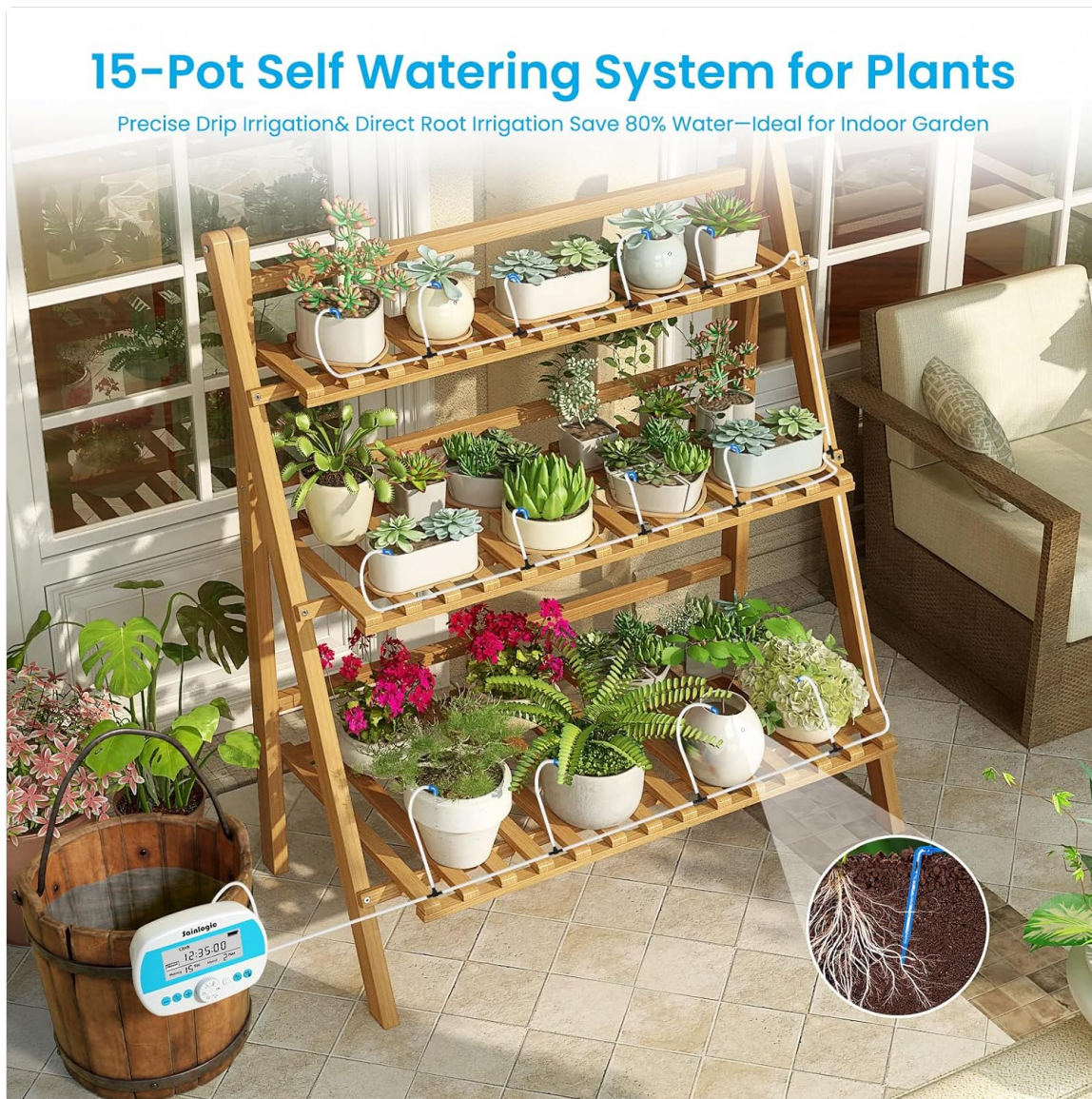


Image: An illustration of the Sainlogic Automatic Plant Waterer system set up for multiple plants, showing the tubing connecting the water source to various potted plants, with drippers inserted into the soil. The main control unit is visible next to the water source.



## IP64 Waterproof & Leak-Proof with Anti-siphon Tech

Attention: The anti-siphon installation position needs to be at the highest level of the entire system (must be higher than the bucket).



Image: A diagram illustrating the correct placement of the anti-siphon valve, emphasizing that it must be positioned higher than the water source to prevent continuous water flow.

### OPERATING INSTRUCTIONS

The Sainlogic Automatic Plant Waterer offers two primary operating modes: Humidity Mode and Timing Mode.

#### Control Panel Overview

## 3.07" Large LCD Display & Effortlessly Setup

- ① Mode Display (Timing/Humidity/Manual)
- ② Clock / 1st watering time
- ③ Current Battery Capacity
- ④ Suspend
- ⑤ Humidity Display "WET"
- ⑥ Watering Time
- ⑦ Interval Time Between Each Watering



Image: Close-up of the 3.07-inch LCD display on the Sainlogic control unit, highlighting different display areas such as mode, clock, battery, suspend indicator, humidity status, watering time, and interval time.

The control unit features a rotary dial and several buttons for navigation and setting adjustments:

- **Rotary Dial:** Used to select different settings (ON, OFF, SET CLOCK, START TIME, HOW LONG, HOW OFTEN).
- **OK/C/S Button:** Confirm selection, clear, or suspend.
- **+/- Buttons:** Adjust values.
- **Water Drop Button:** Manual watering.
- **Play/Pause Button:** Start/pause operation.

### 1. Humidity Mode (Smart Watering)

In Humidity Mode, the system uses the soil moisture sensor to detect the soil's moisture level. It will automatically initiate watering when the soil is dry and stop when the display shows "WET".

1. Ensure the soil moisture sensor is correctly placed in the soil of a plant.
2. Turn the rotary dial to the "Humidity" setting (if available, or ensure the system is in auto-detect mode).
3. The device will monitor the soil and water as needed. The maximum watering duration in this mode is 30 minutes to prevent overwatering.

# Smart Soil Moisture Monitor, Self-Watering Plants

If the soil is wet, the device won't water. If dry, it will water until the soil become wet, and the screen will display "WET". The longest watering time is 30 min in this mode.



Image: A visual representation of the Humidity Mode, showing the device detecting humidity and initiating smart watering on a schedule, with the display indicating "WET" when sufficient moisture is reached.

## 2. Timing Mode (Programmable Schedule)

In Timing Mode, you can set specific watering schedules based on time and frequency.

1. **Set Current Time:** Turn the rotary dial to "SET CLOCK". Use the +/- buttons to set the current time and press OK to confirm.
2. **Set First Watering Time:** Turn the rotary dial to "START TIME". Use the +/- buttons to set the desired start time for watering and press OK.
3. **Set Watering Duration:** Turn the rotary dial to "HOW LONG". Use the +/- buttons to set the duration for each watering cycle (e.g., 15 seconds, 1 minute, up to 30 minutes) and press OK.
4. **Set Watering Frequency:** Turn the rotary dial to "HOW OFTEN". Use the +/- buttons to set the interval between watering cycles (e.g., every 2 hours, every 1 day, up to 7 days) and press OK.
5. **Activate Schedule:** Turn the rotary dial to "ON" to activate the programmed schedule.





Image: A display showing a sample automatic watering schedule over several days, indicating the time, duration, and volume of water delivered for each watering event.

## Manual Watering

To manually water your plants, press the water drop button on the control unit. The system will water for a preset duration or until you press the button again to stop.

## MAINTENANCE

- **Clean the Filter:** Regularly check and clean the water filter to prevent blockages and ensure consistent water flow.
- **Inspect Tubing and Drippers:** Periodically inspect the tubing and drippers for any kinks, blockages, or damage. Clean drippers if they become clogged.
- **Monitor Water Reservoir:** Ensure the water reservoir always has sufficient water, especially during extended periods of absence.
- **Battery Care:** If the device uses internal batteries, ensure they are charged or replaced as needed. The display shows current battery capacity.
- **Storage:** When not in use for extended periods, drain the system, clean all components, and store them in a dry, cool place.



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## TROUBLESHOOTING

| Problem                           | Possible Cause  | Solution  |
|-----------------------------------|---|---|
| No water flow                     | <ul style="list-style-type: none"><li>• Water reservoir empty</li><li>• Filter clogged</li><li>• Tubing kinked or blocked</li><li>• Anti-siphon valve incorrectly placed</li><li>• Pump malfunction</li></ul> | <ul style="list-style-type: none"><li>• Refill water reservoir</li><li>• Clean the filter</li><li>• Check and clear tubing/drippers</li><li>• Ensure anti-siphon valve is at the highest point</li><li>• Contact customer support</li></ul> |
| Continuous water flow (siphoning) | Anti-siphon valve not at the highest point or missing   | Ensure the anti-siphon valve is installed correctly and is the highest point in the system.   |
| Inaccurate humidity readings      | Soil moisture sensor dirty or improperly placed   | Clean the sensor probes and ensure they are fully inserted into the soil.   |
| Display not working               | <ul style="list-style-type: none"><li>• No power</li><li>• Low battery</li></ul>  | <ul style="list-style-type: none"><li>• Check Type-C cable connection</li><li>• Charge the device</li></ul>   |

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## SPECIFICATIONS

|                    |                           |
|--------------------|---------------------------|
| Model Number       | BSV-IC205S                |
| Brand              | Sainlogic                 |
| Product Dimensions | 3.07 x 1.22 x 0.99 inches |
| Item Weight        | 1.48 Pounds               |
| Material           | ABS                       |
| Watering Capacity  | Up to 15 potted plants    |
| Waterproof Rating  | IP64                      |
| Display Size       | 3.07 inches               |

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## WARRANTY AND SUPPORT

Sainlogic is committed to providing reliable products and excellent customer service. For any questions, technical support, or warranty inquiries, please contact us through the following channels:

- **Phone Support:** Available Monday to Friday, 10:00 AM to 6:00 PM (Eastern Time). Please refer to the official Sainlogic website for the current phone number.
- **Email Support:** We aim to respond to all email inquiries within 24 hours on weekdays and 48 hours on weekends.
- **Official Website:** Visit the [Sainlogic official website](#) for additional guides, FAQs, and support resources.

Please retain your proof of purchase for warranty claims.

## Related Documents - BSV-IC205S

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|--|--|
|   | <p><a href="#">Sainlogic Automatic Drip Irrigation System User Manual BSV-IC205S</a></p> <p>User manual for the Sainlogic Automatic Drip Irrigation System, model BSV-IC205S. Includes installation diagram, operation instructions, button functions, watering modes, specifications, and troubleshooting.</p>  |
| <p>Smart Water Valve<br/>(Zigbee)<br/>User Manual</p>  <p>www.sainlogic.com</p>   | <p><a href="#">Sainlogic Smart Water Valve (Zigbee) User Manual</a></p> <p>User manual for the Sainlogic Smart Water Valve (Zigbee), detailing its features, installation, operation, and warranty.</p>  |
| <p>Hydroponics Growing System<br/>User Manual</p>  <p>Model: HY01</p>           | <p><a href="#">Sainlogic HY01 Hydroponics Growing System User Manual</a></p> <p>User manual for the Sainlogic HY01 Hydroponics Growing System. Learn how to set up, operate, and maintain your indoor garden, including app connectivity and troubleshooting.</p>  |
| <p>Smart Water Valve<br/>(Zigbee)<br/>User Manual</p>  <p>www.sainlogic.com</p> | <p><a href="#">Sainlogic Smart Water Valve (Zigbee) User Manual</a></p> <p>Comprehensive user manual for the Sainlogic Smart Water Valve (Zigbee). Learn about its features, performance, installation, operation via the Smart Life app, and warranty information. Control your irrigation remotely and efficiently.</p>  |
|  <p>www.sainlogic.com</p>   | <p><a href="#">Sainlogic Smart Water Valve User Manual</a></p> <p>Comprehensive user manual for the Sainlogic Smart Water Valve (Zigbee, Model S-W-1/QT-06Z). This guide provides detailed instructions on installation, operation via the Smart Life app, system setup, product parameters, mobile interface features, and warranty information for this smart irrigation device.</p> |

1. Introduction

2. Safety Precautions

3. Assembly

4. Operation

5. Maintenance



### [Sainlogic S-C-1 Folding Wagon User Manual and Instructions](#)

Comprehensive user manual for the Sainlogic S-C-1 folding wagon, detailing product description, safety precautions, assembly, operation, and maintenance instructions. Features a 150kg capacity for various outdoor and utility uses.