## Chtoocy IC019S

# Chtoocy IC019S Drip Irrigation System User Manual

Model: IC019S

## 1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Chtoocy IC019S Drip Irrigation System. This automatic plant watering system is designed to provide independent watering for up to 30 potted plants across two zones, ensuring efficient and consistent hydration.

**Image 1.1:** The Chtoocy IC019S Drip Irrigation System controller connected to a water reservoir and two potted plants, illustrating its function.

## 2. PACKAGE CONTENTS

Before beginning installation, please verify that all components listed below are present in your package:
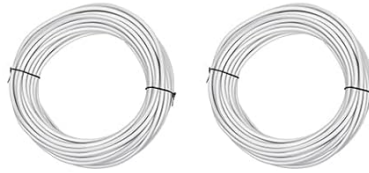
- 1 x Control Unit (Main device with display)
- 2 x Water Tubes (15 meters / 49 feet each)
- 30 x Watering Drippers
- 30 x T-Joints
- 2 x Filters
- 2 x Anti-Siphon Components
- 2 x Hooks (for hanging the control unit)
- 1 x USB-C Cable (for power)
- 1 x User Manual
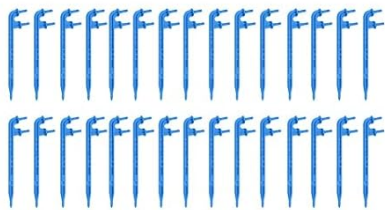
# Package List

**1 x Controller**

**2 x Tubes(15m/49ft)**

**2 x Filters**

**30 x Watering Drippers**

**30 x T-Joints**

**2 x Anti-siphon**

**2 x Hooks**

**1 x USB-C Cable**

**1 x Manual**

**Image 2.1:** Visual representation of all items included in the product package.

## 3. PRODUCT FEATURES

The Chtoocy IC019S Drip Irrigation System offers several key features for efficient plant care:

- **Dual-Pump Automatic Watering:** Supports two independent watering zones, capable of watering up to 30 potted plants simultaneously. Each pump delivers a high flow rate of 400ML per minute, totaling 800ML per minute when both are active.
- **Customizable Watering Schedules:** Program specific watering times and frequencies for each pump independently.
- **Precise Watering Control:** Adjust watering duration from 10 seconds to 30 minutes. Set watering frequency from 1, 2, 3, 4, 6, 8, 12 hours, or longer intervals from 1 to 15 days.
- **Prevents Overwatering:** Delivers water directly to plant roots in a slow, controlled manner, allowing for gradual soil absorption and reducing water waste.
- **Easy Installation:** Designed for straightforward setup with clear instructions and all necessary components included.
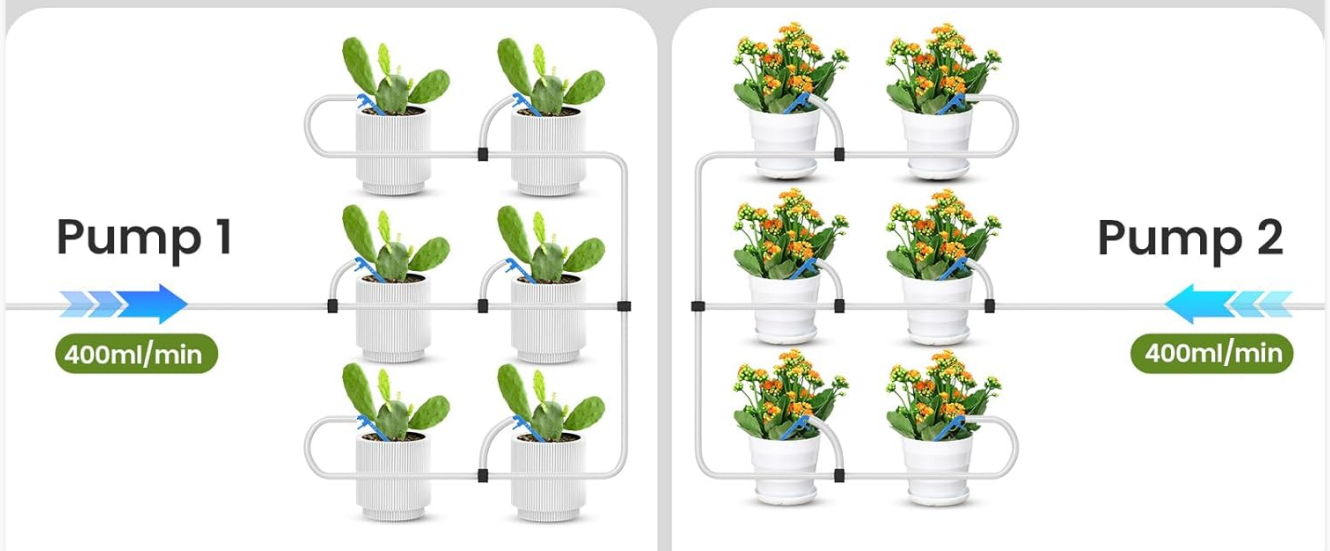
**Image 3.1:** Illustration of the independent dual-pump system covering up to 30 potted plants.

## 4. SETUP INSTRUCTIONS

Follow these steps to set up your Chtoocy Drip Irrigation System:

1. **Prepare Tubing:** Cut the water tubes to the desired lengths using scissors, ensuring each plant receives a dedicated drip line.

2. **Connect to Water Inlet:** Connect one end of the main water tube to the water inlet port on the control unit.

3. **Attach Filter:** Connect a filter to the other end of the main water tube. This filter will be submerged in your water reservoir.

4. **Position Water Source:** Place the filter and the end of the main water tube into your water reservoir (e.g., a bucket or container), ensuring the filter is below the water level.

5. **Connect to Water Outlet:** Connect the distribution tubing to the water outlet port on the control unit.

6. **Install Anti-Siphon Component:** Insert the anti-siphon component into the distribution tubing near the control unit. This prevents water from continuously siphoning from the reservoir.

7. **Install T-Joints:** Use T-joints to branch off the main distribution tubing to individual plant drippers.

8. **Connect Drippers:** Attach a dripper to the end of each branch tube and place it into the soil of your potted plant.

9. **Secure Control Unit:** Use the provided hooks to hang the control unit securely near your water source.

10. **Power On:** Connect the USB-C cable to the control unit and a suitable power adapter (not included) to power the system.



**Image 4.1:** Step-by-step visual guide for installing the drip irrigation system components.

## 5. OPERATING INSTRUCTIONS

The Chtoocy IC019S features a programmable timer for precise watering schedules. The control unit has an LED display and intuitive buttons for setting the clock and watering parameters for Pump 1 (P1) and Pump 2 (P2).

### 5.1. Setting the Real-Time Clock

1. Press the **Clock** button (often represented by a clock icon).

2. Use the **OK** dial to adjust the hour and minute. Press **OK** to confirm each setting.

3. Ensure the clock is set to the correct 24-hour format for accurate scheduling.

## 5.2. Programming Watering Schedules (P1 and P2)

Each pump (P1 and P2) can be programmed independently. The process is similar for both.

1. Press the **P1** or **P2** button to select the pump you wish to program.

2. **Set Start Time:** Use the **OK** dial to set the desired start time for watering (e.g., 12:00 AM). Press **OK** to confirm.

3. **Set Watering Duration:** Use the **OK** dial to set how long the pump will run (e.g., 20 seconds, 1 minute, up to 30 minutes). Press **OK** to confirm.

4. **Set Interval Time:** Use the **OK** dial to set the watering frequency. Options include hourly intervals (1H, 2H, etc.) or daily intervals (1 Day, 2 Days, up to 15 Days). Press **OK** to confirm.

5. Repeat these steps for the other pump if independent scheduling is desired.

**Example Schedule:**

**Pump 1 (P1):** Start Time: 12:00 AM, Duration: 20s, Interval: 1 Day (waters every day at 12:00 AM for 20 seconds).

**Pump 2 (P2):** Start Time: 3:00 PM, Duration: 1 min, Interval: 2 Days (waters every two days at 3:00 PM for 1 minute).

# Customizable Watering Schedules

You can program the system to water plants at the optimal times



**Set Clock: 7:00 (Real Time)**
P1
Start Time: 12:00 am
How Long: 20s
Interval Time: 1 Day(every day)

💧 Day 1: 12:00 am /20s
💧 Day 2: 12:00 am /20s
💧 Day 3: 12:00 am /20s
💧 Day 4: 12:00 am /20s
💧 Day 5: 12:00 am /20s
💧 Day 6: 12:00 am /20s

**Set Clock: 7:00 (Real Time)**
P2
Start Time: 15:00 pm
How Long: 1min
Interval Time: 2 Days

💧 Day 1: 15:00 pm /1min
Day 2: -------------------
💧 Day 3: 15:00 pm /1min
Day 4: -------------------
💧 Day 5: 15:00 pm /1min
Day 6: -------------------
💧 Day 7: 15:00 pm /1min

**Image 5.1:** Example of customizable watering schedules for Pump 1 and Pump 2.

**Clear Watering Times**

Both pump 1 and pump 2 can be set with independent watering time

Clock: Set Real Time

Clock

**14:33**

LED Display
Watering Schedules

Timing

Next watering time

P 1 **12:00**+ 1**Day**

P 2 **15:00**+2**Day**

Watering: 10-50s; 1min-30mins
Interval: 1/2/3/4/6/8/12H;1-15days

5.1"* 5.7"

**Image 5.2:** The LED display showing current time and programmed watering schedules.

### 5.3. Manual Watering

The system typically includes a manual watering function. Refer to the control unit's buttons for a dedicated manual watering button (often a water drop icon) or a combination of buttons to initiate immediate watering outside of the programmed schedule.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your drip irrigation system.

- **Clean Filters:** Periodically check and clean the water filters to prevent blockages from debris in the water reservoir. Rinse them under running water.
- **Inspect Tubing and Drippers:** Regularly inspect all tubing and drippers for kinks, blockages, or damage. Ensure drippers are not clogged by mineral deposits or plant roots.
- **Check Anti-Siphon Valves:** Ensure the anti-siphon components are functioning correctly. If water is continuously flowing when the pump is off, the anti-siphon valve may be faulty or improperly installed. Use the

provided syringe to clear any potential blockages in the anti-siphon valve if water flow is restricted.

- **Water Reservoir:** Keep the water reservoir clean and free of algae or sediment that could clog the system. Refill as needed.
- **Battery/Power:** If the unit is battery-powered, monitor battery levels. If USB-C powered, ensure a stable power supply.

## 7. TROUBLESHOOTING

If you encounter issues with your Chtoocy Drip Irrigation System, refer to the following common problems and solutions:

- **No Water Flow:**

  - Check if the water reservoir has sufficient water.
  - Ensure the filters are clean and not clogged.
  - Verify all tubing connections are secure and free of kinks.
  - Check if the anti-siphon valve is blocked. Use the provided syringe to clear it.
  - Confirm the power supply to the control unit is active.

- **Continuous Water Flow (Siphoning):**

  - This indicates the anti-siphon component is not working or is improperly installed. Ensure it is correctly positioned in the tubing.
  - Verify that the water reservoir is not placed significantly higher than the plants, which can contribute to siphoning.

- **Inconsistent Watering:**

  - Review your programmed watering schedules (start time, duration, interval) for accuracy.
  - Check for partial blockages in drippers or tubing that might reduce water delivery to specific plants.
  - Ensure the water level in the reservoir is consistently above the filter.

- **Difficulty Programming:**

  - Carefully re-read Section 5: Operating Instructions. Programming can be precise; ensure each step is followed.
  - Practice setting a simple schedule for one pump to familiarize yourself with the interface.

## 8. SPECIFICATIONS

| Feature | Specification |
|---|---|
| Model Number | IC019S |
| Brand | Chtoocy |
| Product Dimensions | 14.48 x 3.99 x 12.95 cm |
| Item Weight | 1.25 kg |

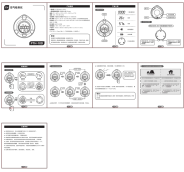| Hose Length | 98 Feet (2 x 15m tubes) |
|---|---|
| Power Source | Battery Powered (USB-C for charging/power) |
| Special Features | Automatic Watering, Programmable, Dual Pumps |
| Water Flow Rate | 800ML per minute (400ML per pump) |
| Watering Capacity | Up to 30 potted plants |
| Watering Duration | 10 seconds - 30 minutes |
| Watering Frequency | 1/2/3/4/6/8/12 hours or 1-15 days |

## 9. WARRANTY AND SUPPORT

Specific warranty details are not provided in the product information. For warranty claims, technical support, or further assistance, please refer to the contact information provided with your purchase or visit the official Chtoocy website.

## Related Documents - IC019S

| | |
|---|---|
|  | **Chtoocy ZC25 Nesting Incubator User Guide**<br>Comprehensive user guide for the Chtoocy ZC25 Nesting Incubator, covering incubation tips, product structure, controller functions, and operation instructions for hatching eggs. |
|  | **PTH-10D Portable Air Detector User Manual - Chtoocy Carbon Monoxide Monitor**<br>User manual for the Chtoocy PTH-10D portable air detector. Learn about its specifications, features, operation, and safety warnings for monitoring carbon monoxide levels, temperature, and humidity. |
|  | **Chtoocy Wireless Driveway Alarm: Quick Start Guide & Installation**<br>Get started quickly with the Chtoocy Wireless Driveway Alarm. This guide provides essential information on product overview, setup, installation, troubleshooting notes, and support for your driveway monitoring system. |

[Chtoocy Pet Heater Instruction Manual - Models HT005-01 & HT005-02](#)

Comprehensive instruction manual for Chtoocy pet heaters, models HT005-01 and HT005-02. Covers product components, installation, safety warnings, specifications, usage instructions, key features, and cleaning/maintenance guidelines.



[Chtoocy Call Button & Wireless Caregiver Pager: Quick Start Guide](#)

A quick start guide for the Chtoocy Call Button & Wireless Caregiver Pager system (Models CH-1908, CH-1909), detailing product overview, setup instructions, functions, and FCC compliance.



[Chtoocy Solar Wireless Driveway Alarm Quick Start Guide - CH-205](#)

Quick start guide for the Chtoocy Solar Wireless Driveway Alarm system (model CH-205). Learn how to set up, charge, test, and install your driveway alarm for reliable security alerts.