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XinFuture HCT-M06G

XinFuture HCT-M06G 2-Way Automatic Irrigation Programmer User Manual

Model: HCT-M06G

1. Product Overview

The XinFuture HCT-M06G is a versatile 2-way automatic irrigation programmer designed to simplify garden watering. Featuring a large LCD screen and intuitive controls, it allows for independent programming of two separate watering zones. Key functions include automatic scheduling, manual watering, and a rain delay feature to conserve water.



Image 1.1: The XinFuture HCT-M06G 2-Way Automatic Irrigation Programmer.

Key Features:

- **Large LCD Screen:** A 3.4-inch display provides clear visibility of watering duration, frequency, and battery status.
- **2 Independent Zones:** Program two distinct watering schedules for different areas of your garden from a single faucet.
- **Easy Programming:** Simple 4-button and dial interface for straightforward setup without complex sub-menus.
- **Manual Watering Function:** Allows for immediate, temporary watering from 1 minute to 8 hours.
- **Rain Delay:** Pause your watering schedule for 24, 48, or 72 hours to avoid overwatering during rainfall.
- **Low Battery Protection:** Automatically closes the valve when battery power is critically low to prevent water waste.
- **Durable Construction:** Features a brass inlet, stainless steel filter, and waterproof seals for longevity.

2. Setup Instructions

2.1. Battery Installation

1. Locate the battery compartment on the back of the programmer.
2. Open the compartment cover.
3. Insert two AA alkaline batteries (not included), ensuring correct polarity (+/-).
4. Close the battery compartment cover securely to maintain the waterproof seal.

2.2. Connecting to Faucet

1. Ensure the faucet is turned off.
2. Screw the programmer's inlet connector onto your outdoor faucet. Hand-tighten only. Do not overtighten.
3. Ensure the rubber washer is properly seated in the inlet connector to prevent leaks.



Image 2.1: Features like the brass inlet, stainless steel filter, and waterproof seal ensure durability.

2.3. Connecting Hoses

1. Attach your garden hoses to the two independent outlets at the bottom of the programmer.
2. Hand-tighten the hose connections.
3. Turn on the faucet slowly to check for any leaks. If leaks occur, tighten connections slightly or check washers.

2.4. Initial Clock Setting

1. Turn the main dial to the 'SET CLOCK' position.
2. Use the '+' and '-' buttons to adjust the current time.
3. Press the 'OK/ ' button to confirm and move to the next setting (e.g., AM/PM or 24-hour format).
4. Once the clock is set, turn the dial to 'ON' or proceed to program your watering schedule.

3. Operating Instructions

3.1. Understanding the Interface

The programmer features a central dial for mode selection and four buttons for adjustments:

- **Dial:** Selects operating modes (ON, OFF, SET CLOCK, START TIME, HOW LONG, HOW OFTEN).
- **'+' Button:** Increases values or navigates forward.
- **'-' / DELAY Button:** Decreases values or activates rain delay.
- **A/B Button:** Switches between Zone A and Zone B for programming.
- **OK/ Button:** Confirms selections or initiates manual watering.



Image 3.1: The programmer's intuitive interface with LCD and control buttons.

3.2. Programming Automatic Watering

Each zone (A and B) can be programmed independently.

1. **Select Zone:** Press the 'A/B' button to select the zone you wish to program (A or B).
2. **Set Start Time:** Turn the dial to 'START TIME'. Use '+' and '-' to set the desired start time for watering. Press 'OK/ ' to confirm.
3. **Set Watering Duration ('HOW LONG'):** Turn the dial to 'HOW LONG'. Use '+' and '-' to set the watering duration (from 1 minute to 240 minutes). Press 'OK/ ' to confirm.
4. **Set Watering Frequency ('HOW OFTEN'):** Turn the dial to 'HOW OFTEN'. Use '+' and '-' to set how often watering occurs (e.g., every hour, every 23 hours, every day, or every 15 days). Press 'OK/ ' to confirm.
5. Repeat steps 1-4 for the other zone if needed.
6. Turn the dial to 'ON' to activate the programmed schedule.



Image 3.2: Setting watering duration and frequency.

3.3. Manual Watering

To initiate immediate watering outside of the programmed schedule:

1. Ensure the dial is in the 'ON' position.
2. Press and hold the 'OK/ ' button for a few seconds. The display will show 'MANUAL' and allow you to set a duration.
3. Use the '+' and '-' buttons to set the desired manual watering duration (1 minute to 8 hours).
4. Press 'OK/ ' to start manual watering. The water will flow for the set duration and then stop automatically.

3.4. Rain Delay Function

To temporarily pause your watering schedule due to rain:

1. Ensure the dial is in the 'ON' position.
2. Press and hold the '-' (DELAY) button for 3 seconds. The display will show 'DELAY' and a time option (e.g., 24H).

3. Use the '+' and '-' buttons to select the desired delay period (24, 48, or 72 hours).
4. Press 'OK/ ' to activate the rain delay. The programmed schedule will resume automatically after the delay period.



Image 3.3: Activating the Rain Delay function.

3.5. Deactivating an Unused Zone

If you only need one watering zone, you can deactivate the other:

1. Select the zone (A or B) you wish to deactivate using the 'A/B' button.
2. Turn the dial to 'START TIME'.
3. Press the '-' (DELAY) button repeatedly until 'OFF' appears on the display for that zone.
4. This will prevent the selected zone from watering.

4. Maintenance

4.1. Cleaning the Filter

The programmer includes a stainless steel filter at the inlet to prevent debris from entering. Periodically check and clean this filter to ensure optimal water flow:

Turn off the faucet and disconnect the programmer.Remove the filter screen from the inlet.

1. Rinse the filter under running water to remove any accumulated debris.
2. Reinsert the clean filter and reconnect the programmer to the faucet.

4.2. Battery Replacement

When the low battery indicator appears on the LCD, replace the batteries promptly to avoid interruption of watering schedules. Refer to section 2.1 for battery installation instructions.

4.3. Winter Storage

Before the first frost, disconnect the programmer from the faucet and hoses. Drain any remaining water from the unit. Store the programmer indoors in a dry, frost-free location to prevent damage from freezing temperatures.

5. Troubleshooting

- **No Water Flow:**
  - Check if the faucet is fully open.
  - Ensure batteries are installed correctly and have sufficient power. Replace if necessary.
  - Verify that the watering schedule is correctly programmed and activated (dial set to 'ON').
  - Check the inlet filter for clogs and clean if needed.
  - Ensure the water pressure is adequate (minimum 0.8 MPa recommended).
- **Continuous Water Flow / Valve Not Closing:**
  - This can sometimes occur with a new unit, especially if a zone was not initially activated. Try running a short manual watering cycle (e.g., 1 minute) for the affected zone to allow the internal valve to cycle and close properly.
  - Check for debris in the valve mechanism by cleaning the inlet filter.
  - Ensure the dial is not set to 'ON' without a program or manual cycle running.
- **Programming Errors:**
  - Review the programming steps in section 3.2 carefully.
  - Ensure you are selecting the correct zone (A or B) before setting its parameters.
  - Confirm each setting with the 'OK/ ' button.
- **Display Not Working:**
  - Check battery installation and replace batteries.
  - Ensure the battery compartment is dry and free of corrosion.

6. Specifications

Feature	Specification
Model Number	HCT-M06G

Feature	Specification
Brand	XinFuture
Material	Plastic
Dimensions (L x W x H)	7P x 12.5L x 11.8H cm
Item Weight	420 Grams
Screen Size	3.4 Inches
Number of Settings	5 (Clock, Start Time, How Long, How Often, Manual)
Watering Duration	1 minute to 240 minutes
Watering Frequency	Every hour up to every 15 days
Rain Delay Options	24, 48, 72 hours
Power Source	2 x AA Batteries (not included)
Minimum Water Pressure	0.8 MPa (as per customer feedback)

7. Warranty and Support

For warranty information and customer support, please refer to the documentation included with your purchase or contact XinFuture customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

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