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XinFuture HCT-M08G-T

XinFuture WiFi 3-Way Irrigation Programmer (Model HCT-M08G-T) Instruction Manual

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your XinFuture WiFi 3-Way Irrigation Programmer with 300 Meters RF Gateway. Please read this manual thoroughly before use to ensure proper functionality and longevity of the device.

The XinFuture WiFi 3-Way Irrigation Programmer is designed to offer advanced, water-saving irrigation with superior long-range connectivity. It features a 300-meter RF range and robust signal penetration through multiple obstacles, making it suitable for various garden sizes and layouts.

Image: XinFuture WiFi 3-Way Irrigation Programmer connected to a faucet, with a gateway and a sprinkler in a garden setting. This image illustrates the product in use, highlighting its smart features and connectivity.

Image: Diagram illustrating the extended RF range (300m) and wall penetration capabilities of the XinFuture irrigation programmer and its gateway, showing signal passing through multiple walls and around corners.

Image: A visual comparison highlighting the superior 300-meter RF range of the XinFuture system compared to other devices typically offering only 20 meters, demonstrating better coverage for larger areas.

2. Product Overview

2.1 Components

The package includes the following components:

- 1 x WiFi Irrigation Programmer (3-way)
- 1 x Sub-GHz Gateway
- 2 x Waterproof Gaskets
- 1 x Sealing Tape
- 3 x Quick Connectors
- 1 x 1/2 inch Adapter
- 1 x Instruction Manual

Image: A display of all components included in the product package: the 3-way water timer, the Sub-GHz gateway, waterproof gaskets, sealing tape, quick connectors, a 1/2 inch adapter, and the instruction manual.

2.2 Key Features

- **Extended RF Range:** Up to 300 meters (984 ft) for reliable signal transmission.
- **Thick Wall Penetration:** Strong signal capable of passing through multiple walls and around corners.
- **Smart Irrigation Control:** Manage watering schedules via Smart Life or Tuya Smart apps.
- **Voice Control:** Compatible with Amazon Alexa and Google Assistant for hands-free operation.
- **3 Independent Zones:** Program individual watering schedules for up to three distinct areas.
- **Flexible Watering Modes:** Supports single watering, loop programs (Monday-Sunday), standard irrigation, and misting.
- **Rain Delay Function:** Automatic smart rain detection and manual delay settings (1-7 days) to prevent overwatering.
- **Irrigation Records:** Detailed logs of watering sessions (start time, duration, end time).
- **Instant Manual Operation:** Quick manual activation for immediate watering needs.

- **Multi-Device Support:** Connects multiple devices and allows custom zone naming.

3. Setup

3.1 Physical Installation

1. Wrap the included white waterproof tape 2-3 times around the faucet threads.
2. Insert the included rubber washer into the timer's inlet. **Note: Complete both steps first to prevent leaks.**
3. Install the water inlet of the irrigation programmer to your faucet.
4. Connect your garden hoses to the outlets (A, B, C) of the programmer.

Image: A four-panel diagram showing the installation process: 1. Wrapping waterproof tape around the faucet, 2. Inserting a rubber washer into the timer, 3. Attaching the timer to the faucet, and 4. Connecting hoses to the timer outlets.

3.2 Gateway and App Pairing

Follow these steps to set up the gateway and pair it with the mobile application:

1. **Preparatory Phase:**
    - Plug the Sub-GHz Gateway into a power outlet.
    - Press and hold the button on the gateway for 7 seconds until the Wi-Fi indicator flashes rapidly.
    - Load 2 x 1.5V AA batteries (not included) into the irrigation programmer.
    - Press and hold any button on the water timer for 7 seconds until the four white indicator lights flash rapidly.
2. **App Download and Login:**
    - Download the "Tuya Smart" or "Smart Life" app from your mobile app store.
    - Register and log in to your account.
3. **Pairing the Gateway:**
    - Ensure Bluetooth is enabled on your phone and connect to a 2.4 GHz Wi-Fi network. (Cannot connect via Bluetooth alone).
    - In the app, tap "Add Device" or the "+" icon.
    - The app will discover devices. Select the Sub-GHz Gateway.
    - Enter your 2.4 GHz Wi-Fi network information (SSID and password).
    - Once fully connected, a smart action page will appear.

4. **Adding the Hose Timer to the Gateway:**
    - From the gateway's device page in the app, tap "Add Device".
    - Select "Three-way water timer" from the product list.
    - The app will search for and add the RF Water Timer.
    - Once added, you will see the control interface for the 3-way timer.

Image: A four-step visual guide for the preparatory phase: plugging in the gateway, pressing its Wi-Fi button, installing batteries in the timer, and pressing a button on the timer to activate pairing mode.

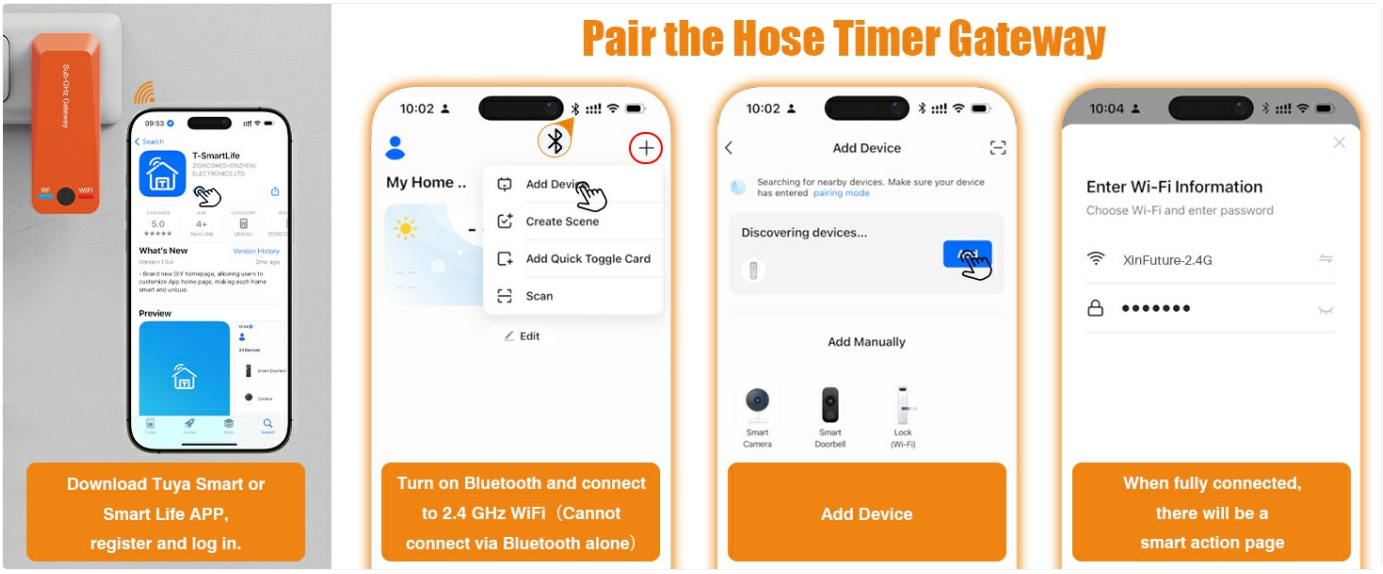

Image: A multi-panel screenshot guide showing how to download the app, enable Bluetooth, add a device, and connect the gateway to a 2.4 GHz Wi-Fi network.

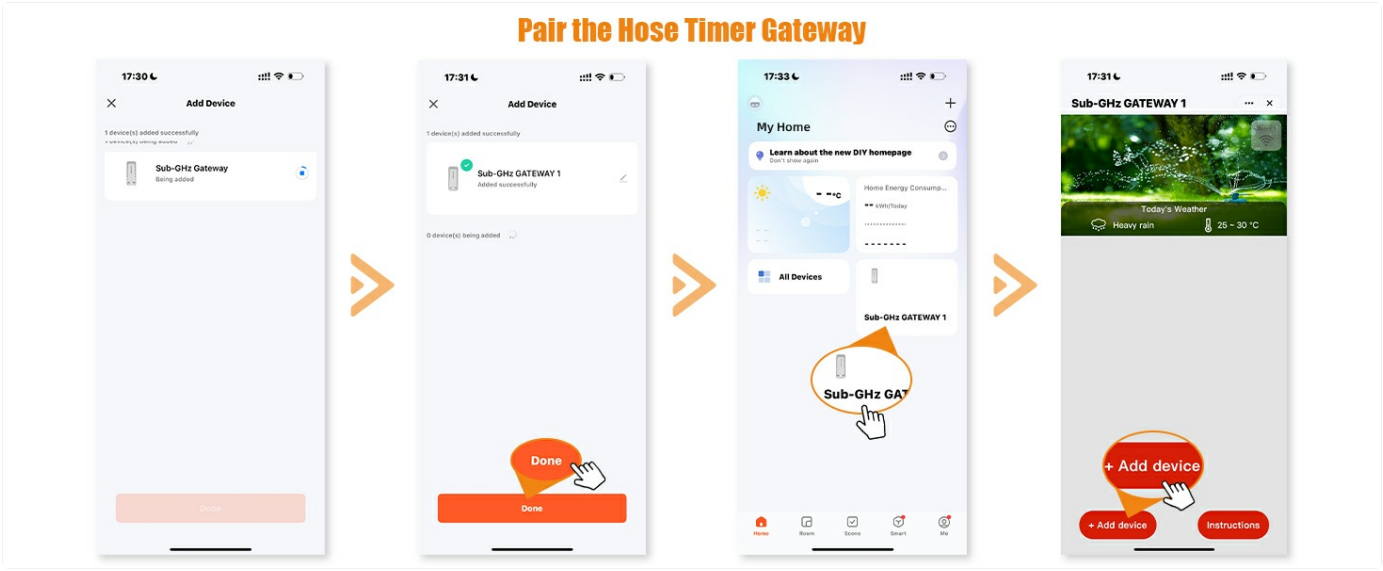

Image: A multi-panel screenshot guide demonstrating the process of adding the 3-way water timer to the previously paired gateway within the mobile application, leading to the main control interface.

4. Operating Instructions

4.1 Programming Watering Schedules (3-Way Control)

The 3-way design allows for individual programming of each zone (A, B, C). You can customize start times, durations, and frequencies for each zone.

- **Individual Zone Control:** Access each zone (A, B, C) within the app to set specific schedules.
- **Start Time:** Define the exact time for watering to begin.
- **Duration:** Set the watering duration from 1 minute to 24 hours.
- **Frequency:** Choose specific days of the week (Monday-Sunday) for the schedule to repeat.
- **Watering Modes:** Select between standard irrigation or a gentle misting mode. The system supports up to 5 watering plans and 1 spray plan.

Image: A visual representation of the 3-way watering timer's scheduling capabilities, showing individual control for Zone A (sprinkler mode) and simultaneous operation for Zones B and C (irrigation mode) with different start times and durations.

Image: An illustration of a smart watering setup with three distinct zones (Zone 1, Zone 2, Zone 3) around a house and pool, each with customized irrigation modes, start times, durations, and repeat schedules.

Image: An aerial view of a property divided into three watering zones (Zone 1, Zone 2, Zone 3) for smart irrigation, demonstrating the multi-zone management capability of the XinFuture system.

4.2 Rain Delay Function

The system features intelligent rain detection and manual rain delay settings to conserve water and prevent overwatering.

- **Smart Weather Detection:** The programmer can automatically delay watering based on local weather conditions (requires pinpointing location in the app).
- **Manual Rain Delay:** You can manually set a rain delay for 1 to 7 days via the app.

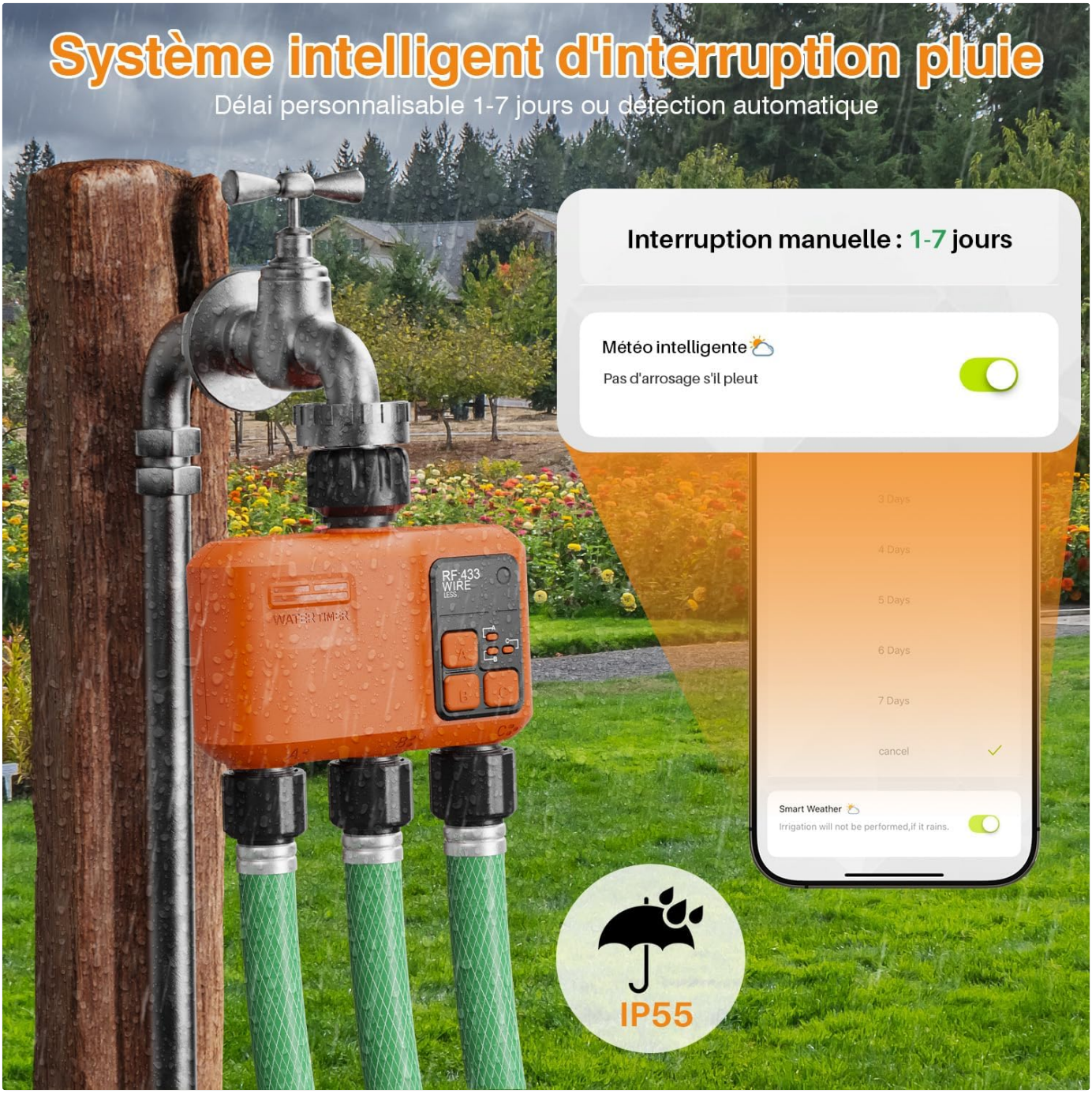

Image: A visual showing the smart rain interruption system, with options for manual delay (1-7 days) and intelligent weather detection to prevent watering if it rains. The device is rated IP55 for water resistance.

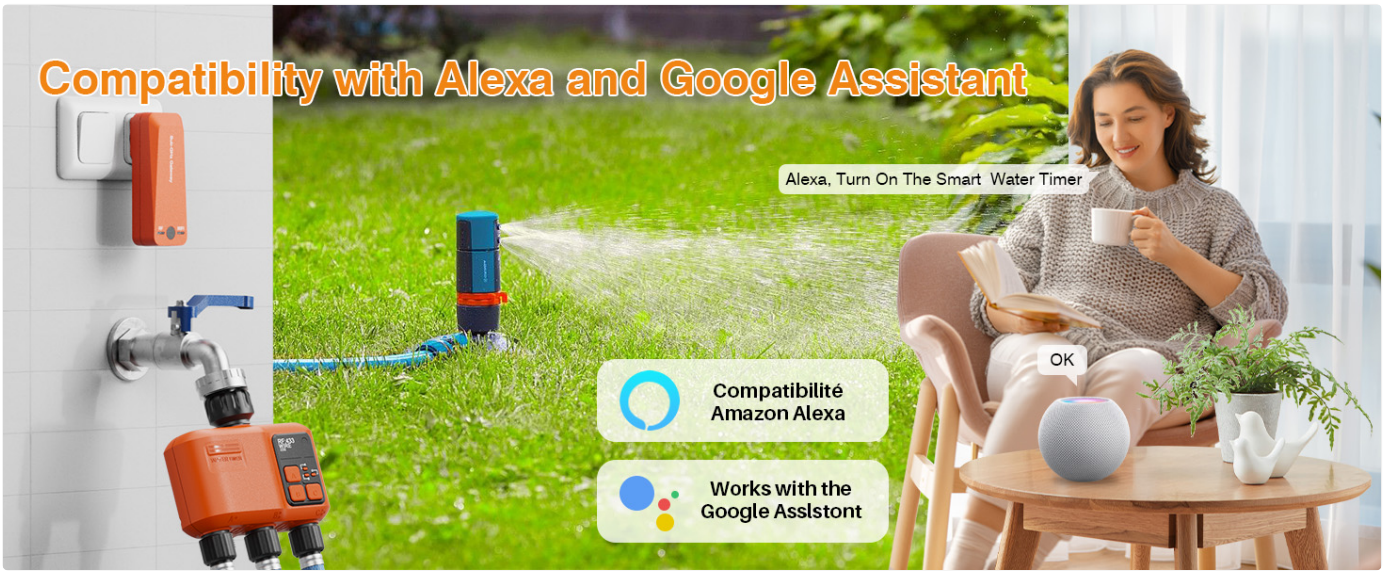

Image: An illustration of the intelligent weather recognition feature, showing how the app can automatically delay watering based on local weather or allow manual postponement for 1-7 days, with a visual of a stormy sky and a house in the background.

4.3 Manual Operation

For immediate watering needs, you can activate manual mode directly from the device or through the app.

- Press a button on the irrigation programmer to activate manual mode.
- Use the app for remote manual control, useful for tasks like filling a pool or washing a car.

4.4 Voice Control

The irrigation programmer is compatible with Amazon Alexa and Google Assistant for convenient voice-activated control.

1. In the Smart Life or Tuya Smart app, navigate to "Third-Party Services".
2. Select "Alexa" or "Google Assistant".
3. Follow the on-screen instructions to link your app account to your Amazon or Google account.
4. Once linked, you can use voice commands such as "Alexa, open the SMART SPRINKLER" or "Hey Google, turn on the water timer."

Image: A user interacting with an Amazon Echo device to control the water timer via voice command, demonstrating compatibility with Alexa and Google Assistant for hands-free irrigation management.

Image: A four-step guide showing how to set up voice control for the XinFuture irrigation programmer by selecting Alexa in the app, linking the account, pairing Alexa, and then enjoying voice commands.

4.5 Irrigation Records and Sharing

- **Detailed Logs:** The app records the start time, duration, and end time of each watering session.
- **Family Sharing:** The irrigation history and control can be shared with family members through the app.

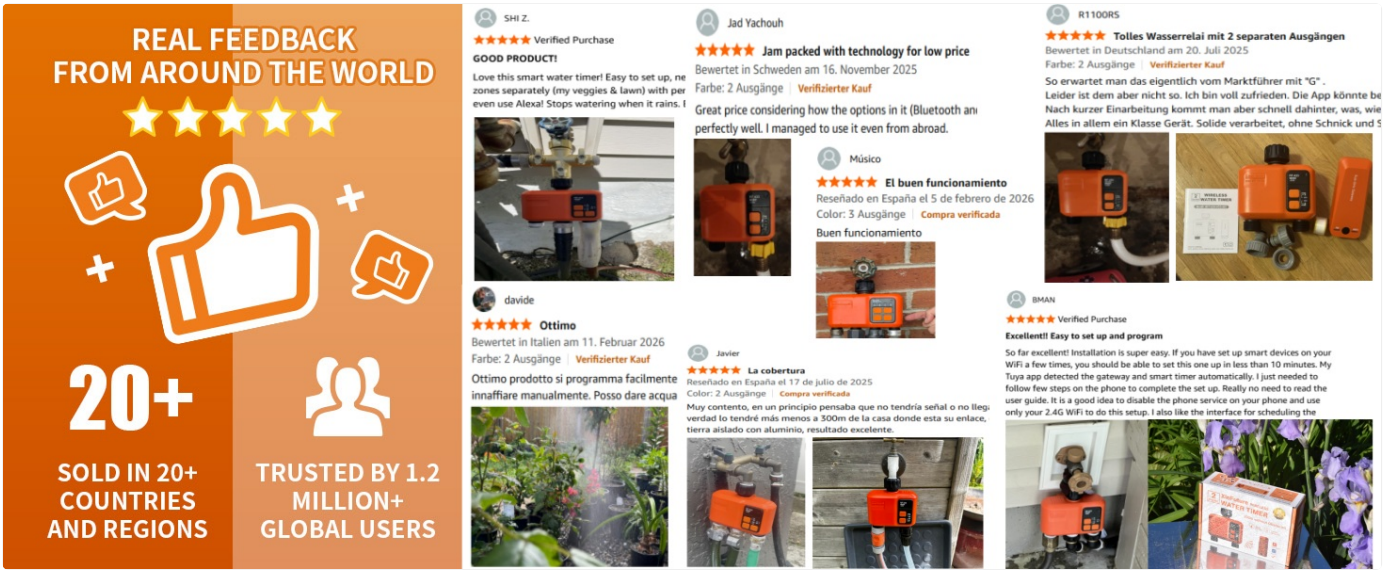

Image: A smartphone screen displaying a list of irrigation records, showing clear logs of each watering event with start times and durations, set against a mountainous landscape.

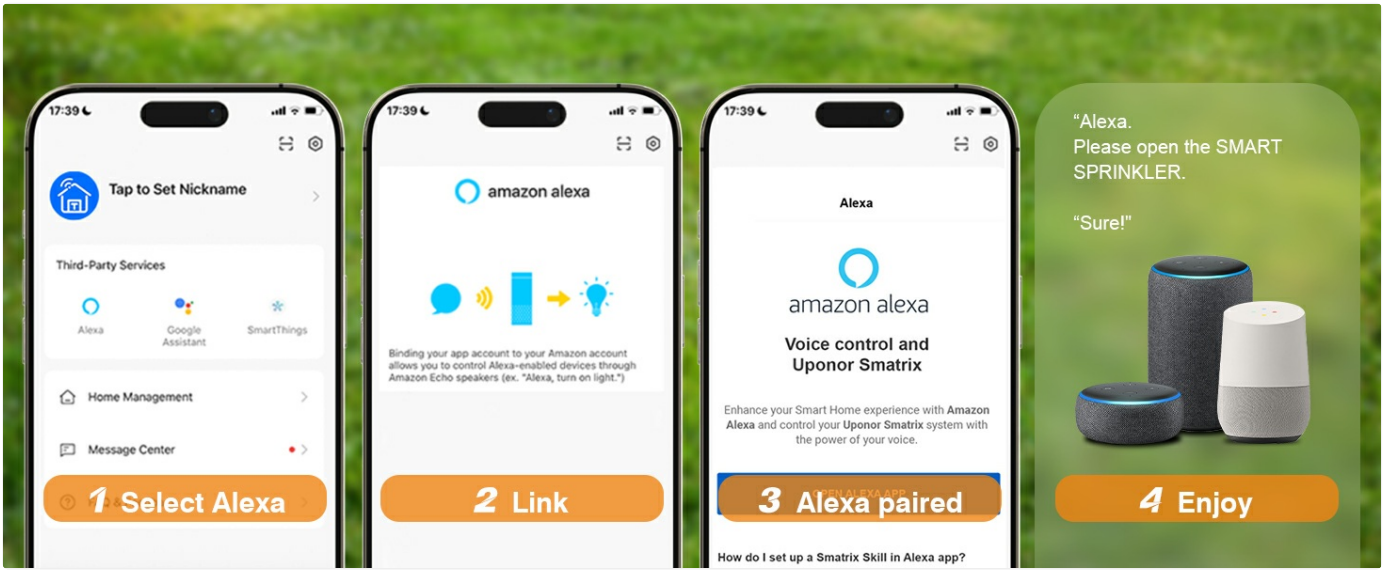

Image: An illustration showing multiple family members interacting with their smartphones to control the smart irrigation system, indicating that control and history can be shared among household members.

4.6 Applications

The XinFuture irrigation programmer is versatile and can be used for various watering applications:

- Drip irrigation for delicate plants.
- Lawn watering with sprinklers.
- Garden beds and flower irrigation.
- Vegetable patch watering.
- Filling pools or washing cars (manual mode).

Image: A collage showing different watering applications: drip irrigation, lawn sprinkling, garden watering, and vegetable irrigation, demonstrating the versatility of the XinFuture system.

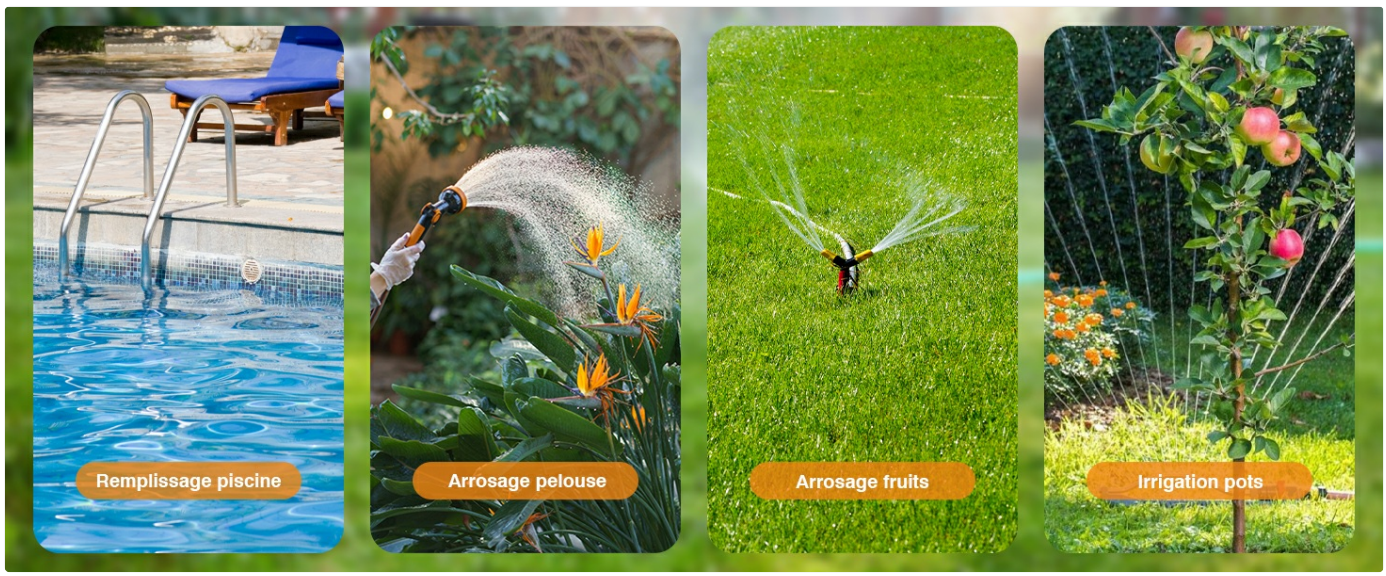

Image: Four panels illustrating diverse outdoor activities and watering needs: pool filling, lawn watering, fruit tree irrigation, and potted plant watering, highlighting the system's adaptability.

5. Maintenance

- **Battery Replacement:** The irrigation programmer requires 2 x 1.5V AA alkaline batteries (not included). Monitor battery levels via the app and replace them when indicated.
- **Winter Protection:** Protect the device from freezing temperatures during winter months to prevent damage. Disconnect from the faucet and store indoors.
- **Cleaning:** Periodically check the inlet filter for debris and clean as necessary to ensure proper water flow.
- **Leak Prevention:** Ensure all connections are tight and the waterproof tape and gaskets are correctly installed to prevent leaks.

Image: A view of the battery compartment of the irrigation programmer, showing it requires 2x AA 1.5V Alkaline batteries, alongside a screenshot of the app displaying battery status and weather information.

6. Troubleshooting

Problem	Possible Cause	Solution
No water flow / Timer not activating	• Low or dead batteries. • Faucets turned off. • Clogged filter. • Incorrect schedule programming. • Rain delay active.	• Replace batteries. • Ensure faucet is fully open. • Clean the inlet filter. • Verify schedules in the app. • Check and disable rain delay if necessary.
Leaks from connections	• Loose connections. • Missing or damaged gaskets/tape.	• Tighten all connections. • Ensure gaskets are properly seated and waterproof tape is applied.
App connection issues / Device offline	• Gateway not powered or out of range. • Weak Wi-Fi signal (2.4 GHz only). • Incorrect Wi-Fi password. • Bluetooth not enabled during pairing.	• Ensure gateway is powered and within 300m RF range of the timer. • Check Wi-Fi signal strength and ensure it's 2.4 GHz. • Re-enter Wi-Fi password in the app. • Ensure Bluetooth is on for initial pairing. • Reset gateway and timer, then re-pair if necessary.
Unexpected watering / Zones opening randomly	• Software glitch or unexpected command. • Interference.	• Reset the device and reconfigure schedules. • Ensure the device is not exposed to extreme temperatures. • Contact customer support if the issue persists.

7. Specifications

Feature	Detail
Brand	XinFuture
Model Number	HCT-M08G-T
Color	3 Voies (3-Way)
Material	Plastic
Product Dimensions (L x W x H)	16.5 x 8.9 x 17 cm (6.5 x 3.5 x 6.7 inches)

Feature	Detail
Number of Settings/Programs	5 (watering plans)
RF Range (Gateway to Timer)	Up to 300 meters (984 ft)
Wi-Fi Compatibility	2.4 GHz only
Smart Home Compatibility	Amazon Alexa, Google Assistant, Tuya Smart / Smart Life App
Power Source (Timer)	2 x 1.5V AA Alkaline Batteries (not included)
Country of Origin	China

8. Warranty and Support

For warranty information, technical support, or service inquiries, please refer to the contact details provided on the product packaging or the official XinFuture website. Keep your purchase receipt as proof of purchase for warranty claims.

If you encounter any issues not covered in the troubleshooting section, please contact XinFuture customer support for assistance.

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

Anonymous

Email

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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

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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