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GIEXSMART GX-03ZG

GIEX ZIGBEE 2-Zone Smart Sprinkler Timer GX-03 User Manual

Model: GX-03ZG | Brand: GIEXSMART



1. INTRODUCTION

The GIEX ZIGBEE 2-Zone Smart Sprinkler Timer GX-03 is designed to provide intelligent and efficient irrigation for your garden. This device allows you to control and monitor your watering schedules remotely via a smartphone application, ensuring your plants receive optimal hydration while conserving water. It features two independent watering zones, a durable brass inlet, and flexible programming options to suit various garden needs.

To operate this smart timer, a TUYA Zigbee Gateway or ZHA (Zigbee2MQTT) is required to connect it to your 2.4 GHz Wi-Fi network. Once connected, you can manage your irrigation system using the Tuya Smart or Smart Life app from anywhere.

2. PRODUCT OVERVIEW

The GIEX GX-03 is a compact, red-colored device featuring a robust brass inlet for connection to your water faucet and two independent outlets for connecting garden hoses. Its design prioritizes durability and ease of use for outdoor applications.



Image 2.1: The GIEX GX-03 Smart Sprinkler Timer shown alongside its smartphone application interface.

Key components include:

- **Brass Inlet:** For secure and durable connection to a standard faucet (3/4 inch GHT / DN20).
- **Two Independent Outlets:** Each capable of being programmed separately for different watering zones (3/4 inch GHT / DN20).
- **Control Buttons:** Manual operation directly on the device.
- **Battery Compartment:** For power supply.

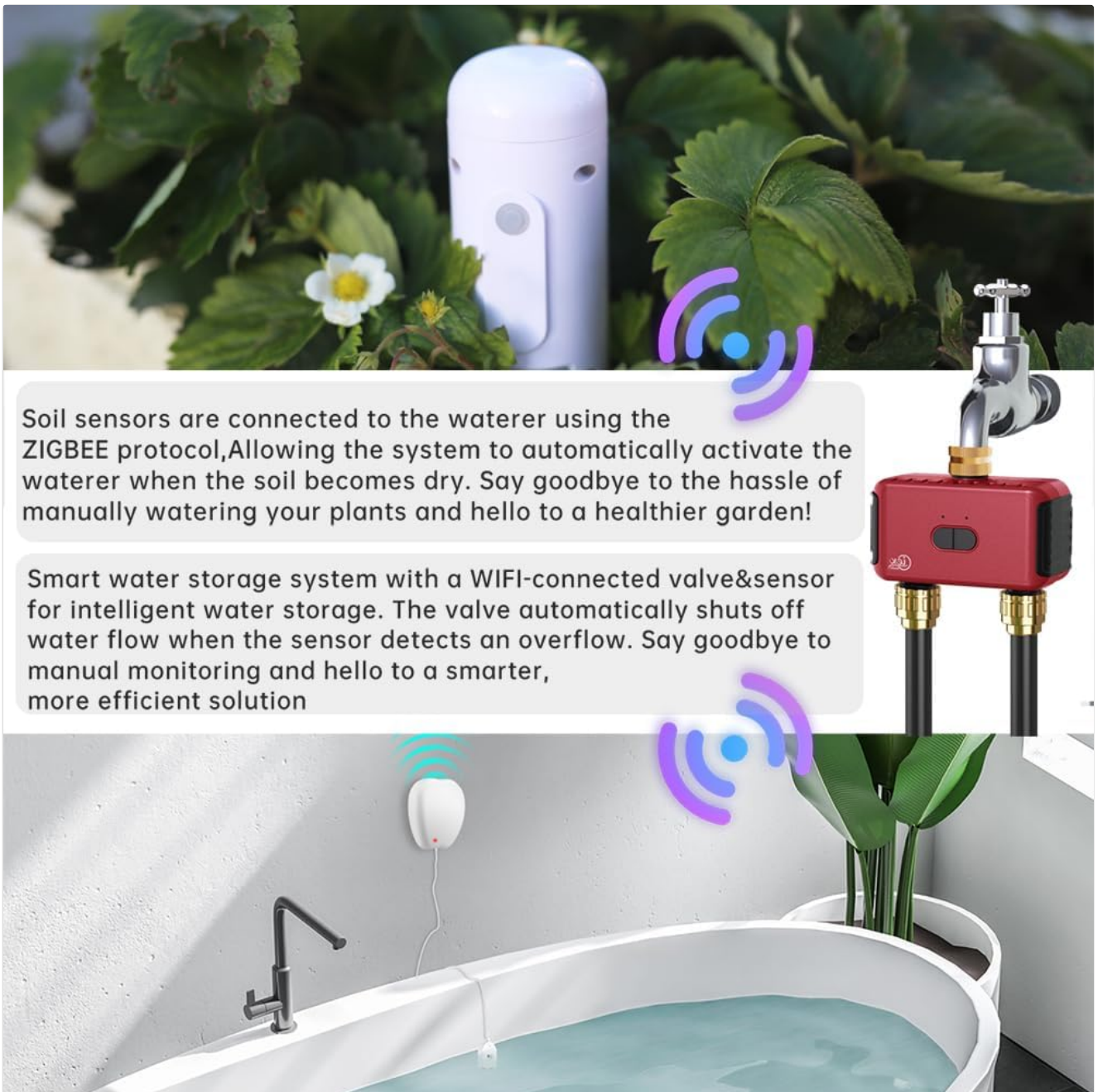


Image 2.2: Close-up view of the GIEX GX-03 Sprinkler Timer connected to a faucet, emphasizing the durable brass inlet and the two independent hose outlets.

3. SETUP

3.1 Physical Installation

1. **Prepare the Faucet:** Ensure your outdoor faucet is clean and free of debris.
2. **Install Batteries:** Open the battery compartment and insert the required batteries (typically AA, not included).
3. **Connect to Faucet:** Screw the brass inlet of the GX-03 timer onto your standard 3/4 inch GHT outdoor faucet. Hand-tighten firmly to prevent leaks.
4. **Connect Hoses:** Attach your garden hoses to the two independent outlets at the bottom of the timer.



Soil sensors are connected to the waterer using the ZIGBEE protocol, allowing the system to automatically activate the waterer when the soil becomes dry. Say goodbye to the hassle of manually watering your plants and hello to a healthier garden!

Smart water storage system with a WIFI-connected valve & sensor for intelligent water storage. The valve automatically shuts off water flow when the sensor detects an overflow. Say goodbye to manual monitoring and hello to a smarter, more efficient solution

Image 3.1: Diagram illustrating the dimensions and connection points of the GIEX GX-03 Sprinkler Timer, including the water inlet and outlets.

3.2 App Connection and Pairing

The GIEX GX-03 requires a Zigbee hub (e.g., Tuya Zigbee Gateway or a ZHA-compatible hub like Home Assistant) to connect to your home network and enable smart control.

1. **Download the App:** Download and install the "Tuya Smart" or "Smart Life" app from your smartphone's app store.
2. **Register/Log In:** Create an account or log in to your existing account.
3. **Add Zigbee Gateway:** If you haven't already, add your Tuya Zigbee Gateway to the app. Ensure the gateway is powered on and connected to your 2.4 GHz Wi-Fi network.
4. **Enter Pairing Mode:** Follow the instructions in your app or the Zigbee gateway manual to put the gateway into pairing mode.
5. **Pair the Sprinkler Timer:** On the GX-03 timer, press and hold the main button (or follow specific pairing instructions if provided in the timer's packaging) until the indicator light flashes, indicating it's in pairing mode.
6. **Confirm Pairing:** In the app, confirm that the device has been discovered and added. You may need to rename the device and assign it to a room.

Once paired, you can access all smart features and remote control options through the app.



Image 3.2: The GIEX GX-03 Sprinkler Timer demonstrating remote control capabilities through a smartphone application, indicating global access.

4. OPERATING INSTRUCTIONS

4.1 Smart App Control

The Tuya Smart or Smart Life app provides comprehensive control over your GX-03 timer:

- **Remote Activation/Deactivation:** Turn watering on or off for each zone from anywhere.
- **Schedule Management:** Create, edit, or delete watering schedules for both zones.
- **Monitoring:** View current watering status and potentially integrate with weather data for smart adjustments.

4.2 Independent Zones with Custom Plans

The GX-03 features two independent watering zones. Each zone can be configured with up to 10 individual watering schedules, allowing for precise and customized irrigation without interference between zones.

4.3 Flexible Watering Modes

The app offers various automatic watering options:

- **Specific Weekdays:** Set watering for chosen days of the week (e.g., Monday, Wednesday, Friday).
- **Odd or Even Days:** Automate watering based on the calendar day (odd or even).
- **Custom Intervals:** Schedule watering every 'X' number of days (e.g., every 3 days).

Each mode supports detailed scheduling for up to a full month.

Up to 8 groups of timers



Image 4.1: A smartphone screen showing the interface for setting up to 8 different timer groups, illustrating flexible scheduling options.

4.4 Cyclic Watering

For advanced control, you can set a repeating watering cycle. Define a start time, end time, duration (1 minute to 24 hours), and interval (1 minute to 24 hours). This is particularly useful for drip irrigation systems or specific plant needs requiring frequent, short watering bursts.

4.5 Rain Delay & Manual Watering

- **Rain Delay:** Conserve water by pausing scheduled irrigation for 1 to 7 days during rainy weather. This feature can be set manually via the app.
- **Manual Watering:** Activate watering instantly for a specified duration directly from the device's buttons or through the app for immediate needs.



Image 4.2: The GIEX GX-03 Sprinkler Timer demonstrating its rain delay capability, with visual cues for various weather conditions.

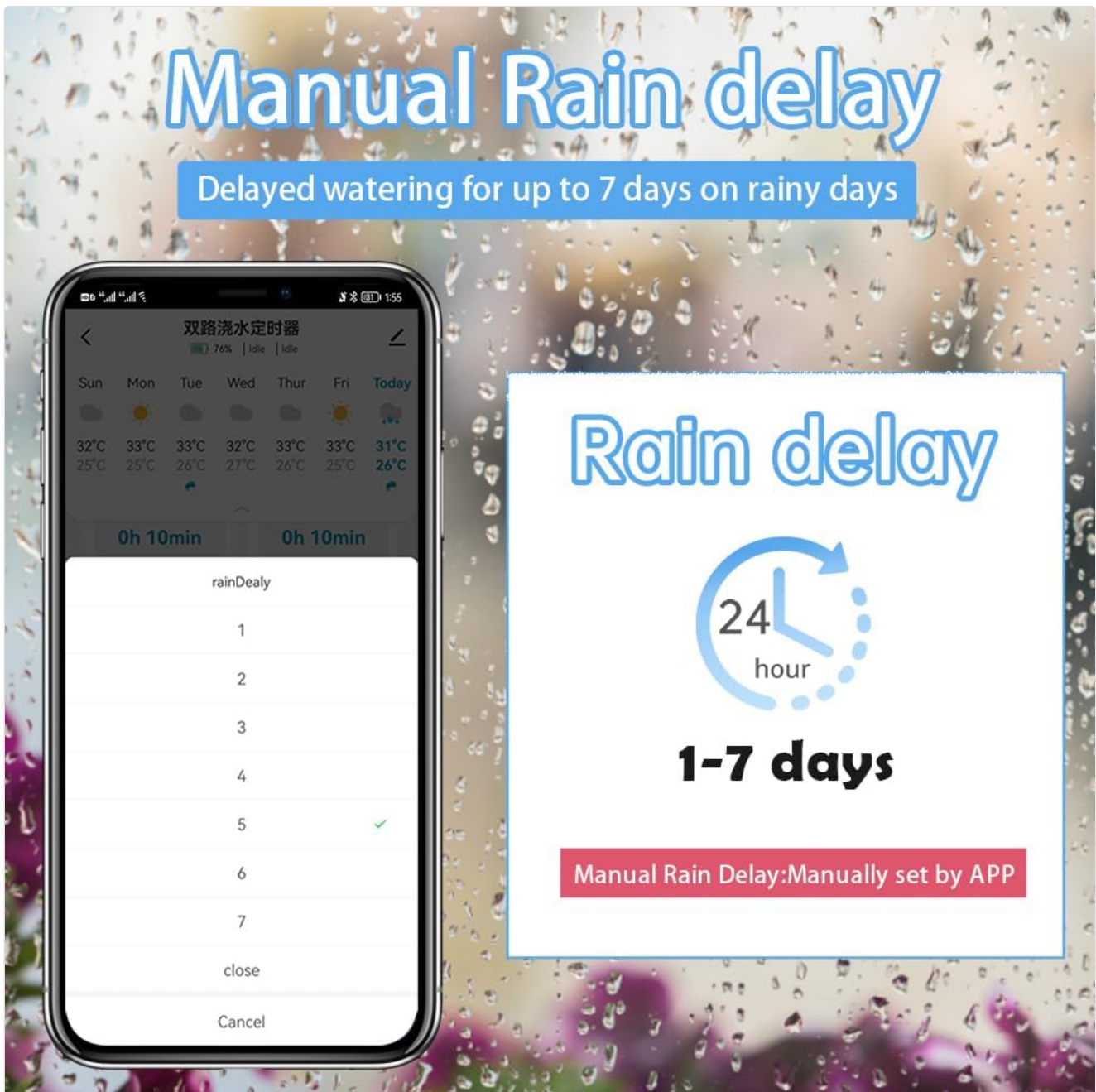


Image 4.3: A smartphone screen displaying the manual rain delay options, allowing users to pause watering for 1 to 7 days.



Image 4.4: The GIEX GX-03 Sprinkler Timer shown in an integrated smart garden system, utilizing soil sensors for automated watering and a smart valve for water storage management.

5. MAINTENANCE

- **Battery Replacement:** The device is powered by batteries. If you notice inconsistent performance or connectivity issues, replace the batteries. Use high-quality alkaline batteries for optimal performance and longevity.
- **Cleaning:** Periodically inspect the brass inlet and hose outlets for any debris or mineral buildup. Clean with a soft brush and water if necessary.
- **Winterization:** Before freezing temperatures, disconnect the timer from the faucet and hoses. Drain any remaining water and store the device indoors in a dry, protected area to prevent damage from freezing.

6. TROUBLESHOOTING

- **Device Not Connecting/Pairing:**

- Ensure your Zigbee gateway is powered on and connected to a 2.4 GHz Wi-Fi network.
- Verify the timer is in pairing mode (indicator light flashing).
- Move the timer closer to the Zigbee gateway to improve signal strength.
- Check if your app and Zigbee gateway firmware are up to date.

- **Watering Not Activating:**

- Check battery levels and replace if low.
- Ensure the faucet is fully open.
- Verify that schedules are correctly set in the app and not overridden by rain delay or manual settings.
- Confirm the device is still connected to the Zigbee network in the app.

- **Leaks from Connections:**

- Ensure all connections (faucet to timer, timer to hose) are hand-tightened.
- Check for worn-out rubber washers and replace if necessary.
- Apply plumber's tape to threads if leaks persist.

- **Inaccurate Timer Functionality:**

- Some users report a default timeout for valves. Ensure the 'Irrigation Timer' field in the app is set to your desired duration.
- If using Home Assistant (ZHA), ensure your Home Assistant version is updated for proper device recognition and control.

7. SPECIFICATIONS

Model Number	GX-03ZG
Brand	GIEXSMART
Color	Red
Product Dimensions	5.52"D x 2.36"W x 4.72"H (14cm D x 6cm W x 12cm H)
Item Weight	1.39 pounds
Number of Settings	Up to 10 schedules per zone
Connectivity	Zigbee (requires Zigbee Hub)
Water Inlet/Outlet Size	3/4 inch GHT (DN20)
UPC	752815584175

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or contact GIEXSMART customer service through their official website or the Tuya Smart/Smart Life app support section. Please have your model number (GX-03ZG) and purchase details ready when contacting support.



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