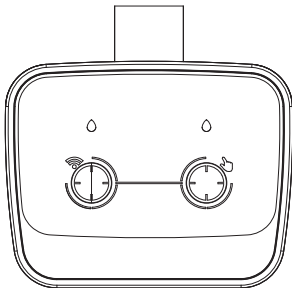


GDT102W

User manual



Warranty

The product comes with a one-year warranty, effective within one year from the date of purchase.

Caution

- Use clean filtered water to prevent product damage and clogged water line, water temperature range between 3°C to 50°C.
- Keep the product indoors when environmental temperature falls below 3°C. When environmental temperature falls below 3°C (37.4°F), water in the drip irrigation internal water line will freeze and cause the product casings to be “squeezed” . This will result in product damage and water leakage.
- To ensure a longer service life, 4*AA alkaline batteries (not included) are to be replaced as a set. Do not use a combination of old and new alkaline, carbon-zinc or rechargeable batteries.
- During product's initial use (when brand new) or when product not used for a long duration, manually set product's operation time, observe product operation to verify product can operate normally.

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01 Introduction

Packaging contents

- 1 x automatic drip pump timer. 
- 1 x 1.0m USB A- USB C power cable. 
- 1 x 10m $\Phi 4\text{mm}$ (5/32") tubing. 
- 10 x Micro drip emitters. 
- 10 x Tee barb tubing fitting. 
- 3 x Straight barb tubing fitting 
- 3 x Cross barb tubing fitting 
- 3 x Tubing end caps 
- 1 x Check Valve 
- 1 x filter 

Note:

Please note that batteries and USB cable wall charger block are not included in the package.

FCC STATEMENT:

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

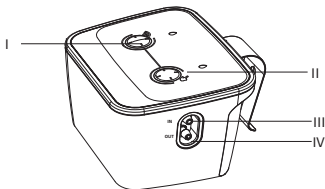
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment, in order to avoid the possibility of exceeding the FCC radio frequency exposure limits, Human proximity to the antenna shall not be less than 20cm (8 inches) during normal operation.

02 Product Features

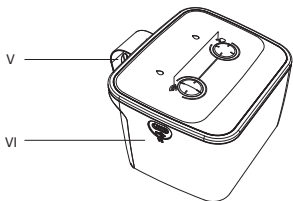


I .WiFi button

II .Manual button

III.Water inlet port

IV.Water outlet port



V .Device back-hook

VI.Type C USB socket

03 Feature Overview

WiFi Remote Control : Connect with 2.4GHz WiFi , set and check irrigation schedule by APP.

Watering on Schedule : The timer can set up to 4 programs .
Each watering program has different start time.

Manual Watering : Manually turn on/off watering and set watering time.

Rain Delay : Manual Rain Delay.The delay can be set from 1 to 24hours.

*Only applicable to 2.4Ghz WiFi.

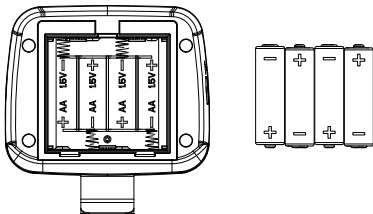
04 Specifications

Technical parameters:

Pumping head:	3 - 5m
Working pressure	0.3 bar (4 PSI)
Water flow rate	0.4L/min
Inlet/Outlet diameter	4mm (5/32")
Maximum water pressure	≥ 200kPa
Material	ABS
Water resistance	IPX2
Inlet/Outlet diameter	4mm (5/32")
Working temperature	3°C - 50°C (37.4°F - 122°F)
Dimension	100.2 x 66.7 x 102.3mm
Power supply	4 x AA batteries / Type C USB port

05 Battery Installation

- i. Remove battery compartment cover located at the bottom of the product.
- ii. Insert 4 new AA alkaline batteries (not included in product package), battery orientation in accordance with indication shown in battery compartment.
- iii. Insert battery compartment cover back onto the battery compartment. Press firmly to ensure cover is completely inserted.



Note:

- After the batteries are installed, install battery compartment cover firmly to ensure integrity of product's water-resistance.
- When the product has not been used for a long period, remove the batteries and dispose in accordance with local environment regulations.
- To ensure a longer service life, 4*AA alkaline batteries (not included) are to be replaced as a set. Do not use a combination of old and new alkaline, carbon-zinc or rechargeable batteries. (carbon-zinc batteries), or rechargeable batteries.

Caution:

- Do not throw batteries into fire. The batteries may explode, hazardous battery contents will leak.

AUTOMATIC DRIP IRRIGATION SYSTEM WITH PUMP TIMER INSTALLATION PROCEDURES

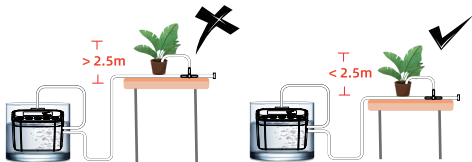
- i. With the use of device back-hook, attach the device onto the edge of a water bucket/tank.
- ii. Insert one end of a 4mm water tubing to the device's water inlet port. Place the other end of this tubing into the water bucket/tank.
- iii. Insert one end of a 4mm water tubing to the device's outlet water port. Connect the end of this tubing to a Tee barb tubing fitting.
- iv. Use the desired length of 4mm water tubing to connect both ends of the T-joint to the area where plant pots are placed.
- v. Using a combination of appropriate tubing fittings with appropriate length of water tubing, connect each micro drip emitters planted in each pot of plant (up to 10 pots) to the Tee barb tubing fitting water supply lines.
- vi. Check security of water tubing at the device and all fittings, ensure all tubing are firmly inserted to prevent water leakage.

Correct placement

- Please do not put the pump below the water level of the reservoir to effectively avoid the siphoning phenomenon. (The siphoning effect will cause the water leaking and over-watering problem)



- The lift length of the water pump: the vertical distance of 2-3m, because the water pipe can not be placed 100% straight, we recommend that the height between the plants and pump should not exceed 2.5m.



Note:

- Ensure water bucket/tank has sufficient amount of water at all times.
- Periodically remove water filter to brush it clean. Dirty filter element will cause drip irrigation system to clog.
- If filter element is found damaged, replace filter element.
- When the batteries run out of power / When the product has not been used for a long period / When low battery indication is shown on display LCD, remove the batteries and replace with a new set of alkaline batteries.
- Batteries removed are to be disposed in accordance with local environment regulations.

07 Initial Smartlife App Setup

STEP1.Install App On Your Phone

Search “**Smart Life**” on APP Store or Google Play. Or scan the QR code and download the free Android or IOS app, then install the APP.

Open the Smart life APP, select “**Sign up**” . Follow the prompts to register a smart life account with your email account or mobile number.

If you have already installed the Smart Life App, go to step 2.



Download on the
App Store



GET IT ON
Google Play

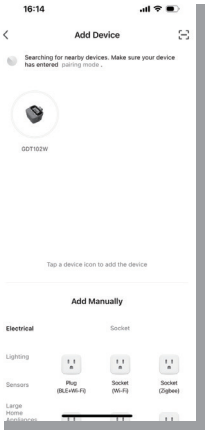
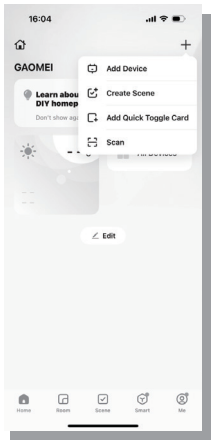
STEP2.Connect The Drip Pump Timer

First Way :

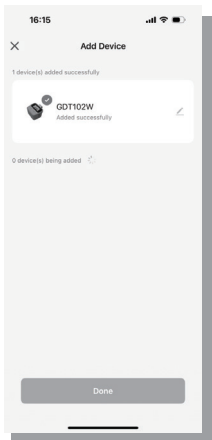
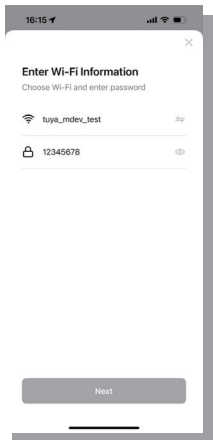
1.The pump can not be connected to the internet unless it is powered by USB.

2.Press and hold the button on the Drip Pump Timer until the LED indicator blink rapidly (2 times per second)

3. Turn on the phone's Bluetooth and WiFi, and tap **"Add Device"** or **"+"** , it will scan automatically.



4. Click **"Add"** and enter your WiFi information (Only 2.4Ghz WiFi is supported), waiting for connecting to be 100%. Ensure that the **"Drip Pump Timer"** is added successfully.



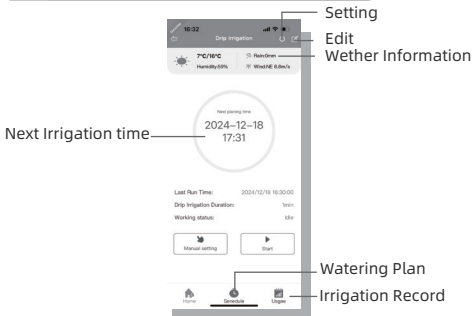
Drip Pump Timer LED indication

1. Smart pairing status : Green LED flashes rapidly. (2 times per second)
2. WiFi Connecting status : Green LED flashes slowly.
3. WiFi Connected status : Green LED light is always on.
4. No function : No light.



Choose an indoor location for your Drip Pump Timer near the router.

08 Drip Pump Timer APP Home Page



Weather Information

Enter the page to display current weather information and 7-day weather forecasting.

Setting

Enter the page for Time format and language setting.

Working Status

Working status displays WiFi watering time, current working mode and next watering time.

Edit

Enter the page for device information and third-party control.

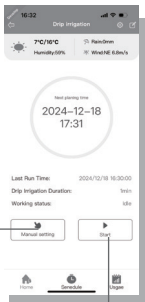
Manual Watering

Enter the manual watering setting page.

Watering Plan

Enter the watering plan page to set up the watering schedules.

Manual Watering

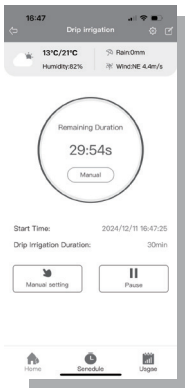
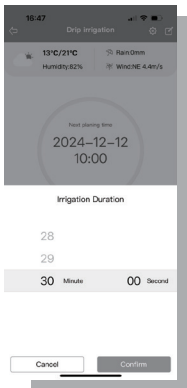


Manual Watering Duration

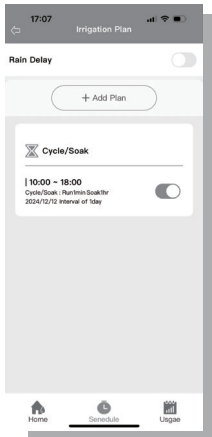
Tap to set the desired manual watering duration.

Manual Watering ON/OFF control

Tap ► to start manual watering and || to stop.



Watering Plan



Irrigation Mode

Cycle/Soak: Water for a certain period several times a day.

There are total 4 watering schedule can be set.

Press “+” to add a watering schedule.

Normal Schedule

The screenshot shows a mobile app interface titled "Add Cycle Schedule" with the subtitle "Cycle And Soak". At the top, the status bar shows the time 17:10 and signal/battery icons. The interface is divided into several sections: a time selection table, a duration section with checkboxes, and a frequency section with radio buttons. A "Save" button is at the bottom.

Start Time		End Time	
06		16	
07		17	
08	: 00	18	: 00
09	: 01	19	: 01
10	: 02	20	: 02

Below the table, there are three rows of settings:

- "Drip Irrigation Duration" with an unchecked "All day" checkbox.
- "Cycle Duration" set to "1min" with a dropdown arrow.
- "Pause Duration" set to "1hr" with a dropdown arrow.

At the bottom, there is a section for "Interval days" with seven radio buttons labeled "1day", "2day", "3day", "4day", "5day", "6day", and "7day". The "1day" button is selected.

A "Save" button is located at the very bottom of the screen.

Start Time & End Time

The time you want the device to start watering.

All-day option

The start time is 0:00 and the end time is 23:59

Cycle Duration

Determine how long to water.

Pause Duration

Set the pause time.

Interval days for watering

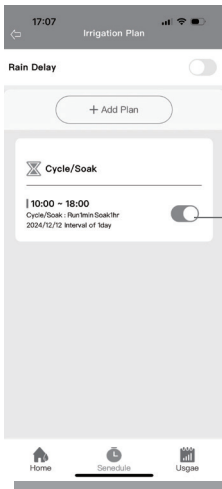
Save

Tap to save your settings.

For example

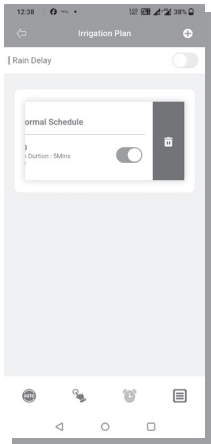
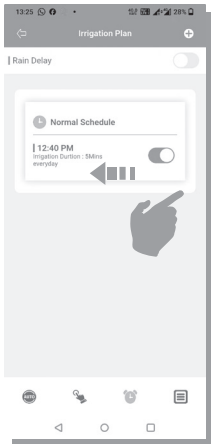
The picture shows the Drip pump timer watering for 1 minute and then pause for 1 hour in cycle/soak irrigation mode. The cycle is start from 8:30 to 18:30 every day.

Turn on/off watering schedules



Slide the switch of the watering plan to turn it on or off.

Delete the watering schedules

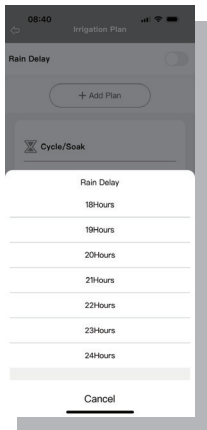
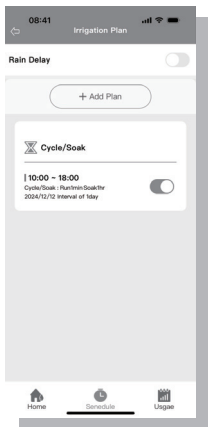


Slide the selected plan from right to left, a red **"Delete"** will show. Tap **"Delete"** to delete this plan.

Slide the plan from left to right to cancel the operation.

Rain Delay

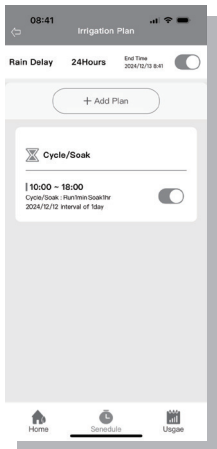
Rain delay applies to rainy days or other weather that causes high oil moisture. During the rain delay the drip pump timer stops watering. After the rain delay ends, the drip pump timer will be executed according to next watering plan. The timer can set 1~24 hours of rain delay.



Turn on/off rain delay function

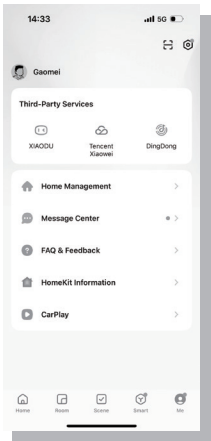
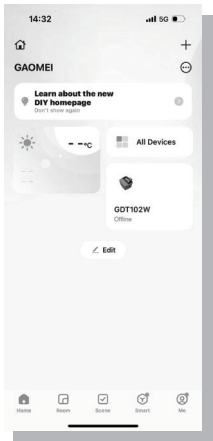
After set the rain delay, it can show the End time of the rain delay function.

Slide the switch to turn the rain delay function off.

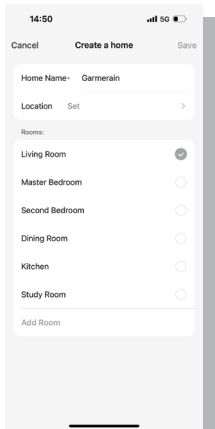
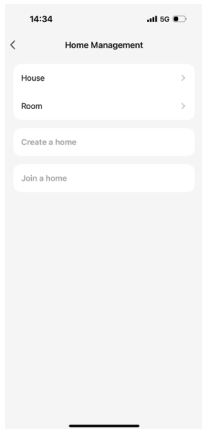


Add Home member

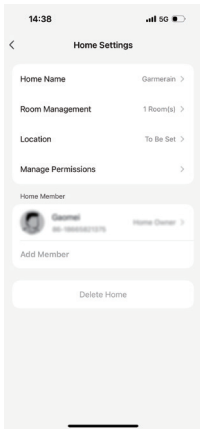
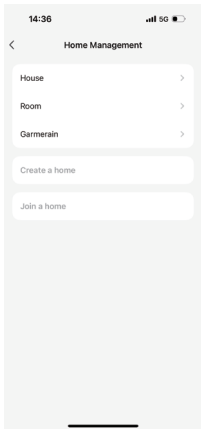
1. Tap on "Me" , enter third-party services;



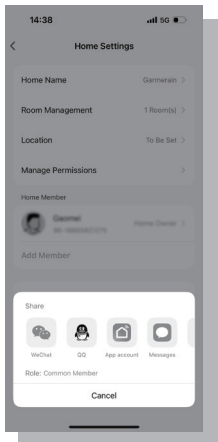
2. Tap on “Home Management” , Tap on “Create a home” , enter the Home Name, location, and other details, then tap the “Save” button at the top right.



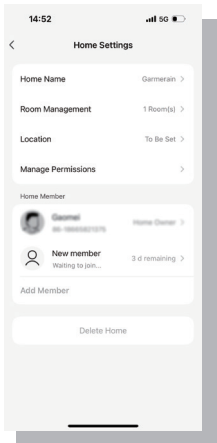
3.After successfully creating, tap on the created Home to enter the home setting.



4. Tap on “Add Member” , choose the invitation method and send the invitation code to the members you want to add.



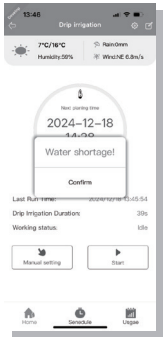
5.Home Member login [Smart Life] App, Tap on “ME>Home Management >Join a home” , enter the invitation code (valid for 3 days), and after successful addition, you'll be able to remotely control the device.



09 Other features

1、Water shortage alert

If water bucket/tank water level is low, icon  will be shown on the screen and there's a pop-up warning when you're short of water. To alert the user water level requires to be checked and refilled where applicable in order for the irrigation system to operate as scheduled.



Note:

- If the water shortage alert is on, the pump will not be turned on even if the time is up, until the water shortage alert is clear.

3、 External USB power IN

If external USB power is plugged in, the pump timer is using external USB power. (Only in this state it can be matched successfully and operated on APP)

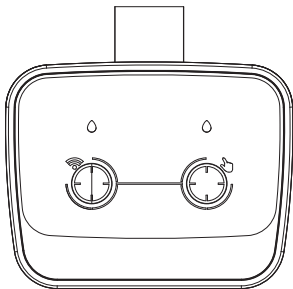
Note:

- We recommend that you use USB power supply where there is a power supply, so that the water pump can be connected to the internet and operated on APP. It also maintains voltage stability and improves efficiency.
- If the USB cable is disconnected, the battery-powered mode will be activated.
- If using battery power, the operation can only be performed manually.

10 Troubleshooting

Problem	Possible Cause	Possible Solution
Uneven water flow	Too far away from pots and water containers or too long pipes can reduce the pump's pumping efficiency.	The further away from the pump the potted plant is, the weaker the water flow will become. Please use some clamps to hold the first few branches so that the mainstream water can be delivered quickly and for a long time.
Hard to insert and remove water pipes	Because of the material, in order to make the pipe more durable.	Put the head of hose into hot water for 10s or Put a little veggie oil on the end of the hose before connecting.
Watering schedule not on time	The lack of water at the inlet resulted in the plan not being implemented on time.	Check if there is a lack of water in the container at the inlet. (If there is a leakage the schedule will not running)
	The water pump unexpectedly lost power and the plan was emptied.	The watering schedule needs to be reset.

Pump can not connect	Pump is not in pairing state. WiFi network is not using 2.4GHz. WiFi password is incorrect.	Remove the pump from the APP homepage and pair again, Press and hold the button until LED indicator flashes rapidly. This means that pairing has been entered. Make sure the connection with 2.4GHz WiFi network. Make sure the WiFi password has been entered correctly.
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GDT102W