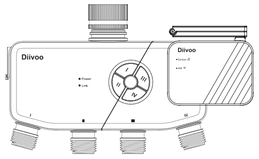
Diivoo

Smart Solution
Happy Gardening

4 ZONE WIFI WATER TIMER



Need Help?
Email
support@diivoosmart.com
US&CA Free Hotline
+1 888 291 6836
(MON-FRI 9 AM-5 PM PST)

English

USER MANUAL
MODEL: DI-WT28W2/WG05

▶ IMPORTANT

IMPORTANT PLEASE READ THE FOLLOWING!

Do not allow the timer to freeze. Freezing temperatures can permanently damage your timer, please drain the water inside the water timer, remove the batteries and store it indoors in the winter.

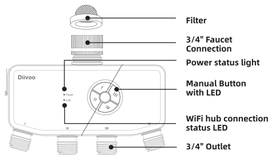
Do not use tools on the timer. Hand tighten only. Use of tools may damage the timer.

Keep the filter washer clean and in place when using the timer. Replace the filter if damaged. Debris entering the timer may prevent it from closing.

Built-in 18650 lithium-ion battery. For long-term storage, check battery level or recharge every 3–6 months to prevent permanent damage from over-discharge. Do not disassemble or tamper with the unit.

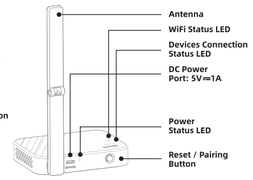
▶ PRODUCT OVERVIEW

WATER TIMER: DI-WT28W2



- **Button Operation:**
  Short Press: Start or stop manual watering for Zone 1/2/3/4. Each manual watering cycle runs for 10 minutes (Configurable in the app).
  Long Press(5s): Put the timer into pairing mode to connect with the WiFi Hub.

WIFI HUB: WG05



- **Button Operation:**
  Long Press(5s): Activate pairing mode to add the hub via the **Diivoo Smart** app.

TIMER LED STATUS GUIDE

Indicator Module	Light Patterns	Status Meanings	Operation Guide
Power Status LED (green indicator)	Green flash (5s interval)	Battery level above 20% (normal operation)	No action required
	Red flash (3s interval)	Low battery	Replace battery soon
	off	Power off	Replace battery
Link Status LED (red/green indicator)	Green flash (5s interval)	Normal Wi-Fi Hub connection	No action required
	Red flash (3s interval)	Wi-Fi Hub disconnected	Check device communication
Button LED (blue/white indicator)	Slow white flash (4s interval)	Watering schedule in progress	No action required
	Rapid blue flash(0.2s interval)	Timer network setup in progress	Follow the in-app prompts to complete the network setup

WIFI HUB LED STATUS GUIDE

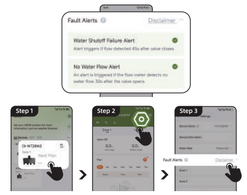
Indicator Module	Light Patterns	Status Meanings	Operation Guide
Power Status LED (red/green indicator)	Solid green	Power on	No action required
	off	Power off	Check device power
WiFi Status LED (red/green indicator)	Rapid green flash (0.2s interval)	Wi-Fi Hub network setup in progress	Follow the in-app prompts to complete the network setup
	Solid green	Setup complete, stable WiFi connection	No action required
	Slow green flash (1s interval)	Hub reconnecting to router	No action required
	Solid red	Router connection lost	Check network
Device(s) Connection LED (red/green indicator)	off	① No devices paired to hub ② Device(s) offline for over 3 days	Check device communication
	Solid green	All devices stably connected	No action required
	Solid red	Device connection lost	Check device communication
	Alternating green (1.5s) / red (0.5s) flash	Some devices online, some offline	Check device communication

▶ KEY FEATURES

Built-in flow meter enables **flow alerts**, **volume watering**, **watering stats**, **Eco water saver** and **seasonal adjustment for** safer, simpler operation

I. FLOW FAILURE ALERT

Built-in flow meter verifies water flow matches your schedule. You'll get email and in-app alerts for anomalies to prevent yard flooding or plant damage.



II. ECO WATER SAVER

Cycles valve on/off for better soil absorption & less runoff.
1.Duration = active watering time only. ECO off intervals excluded.
2.ECO triggers frequent valve cycling and may shorten battery life. Adjust the ECO cycle frequency to match your watering needs.



III. SEASONAL ADJUSTMENT

Automatically scales watering duration/volume monthly by –80% to +100% from your base schedule to fit seasonal water demand.





IV. VOLUME-BASED WATERING

Water by volume via the built-in flow meter (duration mode also available).
Accuracy: ±10% (subject to water pressure & mechanical limits). Not for precision metering. Use with caution.





V. WATERING STATISTICS

5.1 Tracks 1-year total water usage & cost for the current zone (water rate setup required).
5.2 View data by week/month/year, or export reports to your email.
5.3 Cost estimates are for reference only. Deviations may occur due to meter accuracy and water pressure. Please refer to your actual water bill.





▶ QUICK START GUIDE

- **STEP 1**
  Install the "Diivoo Smart" app → User Manual Sec. 1
- **STEP 2**
  Add WiFi Hub (WG05) in the app → User Manual Sec. 2
- **STEP 3**
  Add the hose timer → User Manual Sec. 3
- **STEP 4** ⚠ **IMPORTANT!**
  Confirm stable signal between timer, hub & router → User Manual Sec. 4
- **STEP 5**
  Install timer, check for leaks → User Manual Sec. 5
- **STEP 6**
  Program watering schedules in app →User Manual Sec. 6
- **STEP 7** Setup complete!

▶ INSTALL AND CREATE YOUR WATERING SCHEDULE

SEC.1 INSTALL THE DIIVOO SMART APP

IOS Android

Scan the QR code or search for "**Diivoo Smart**" in the Apple App Store or Google Play to install the app. Sign up with a valid email address and log in.

SEC.2 ADD WIFI HUB (WG05) IN THE APP

★ 2.4GHz WiFi is required.Enable Bluetooth and grant location permission to the Diivoo Smart app during setup.
1. Power on WiFi Hub WG05. Hold the button for 5s until the WiFi Status LED flashes green rapidly.



2.On the app home page, tap "Add Device" or "+", then add the Wi-Fi Hub via option a or b:
a. Select "WG05" from the device list below, then follow the prompts;



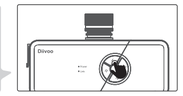
b.Tap "Scan to add" at the top of the card, scan the hub's QR code, then follow the prompts.



SEC.3 ADD THE HOSE TIMER

1. Insert 4*AA (1.5V) alkaline batteries into the timer. Hold the button for 5s until the LED flashes blue rapidly.

The QR code of the Timer DI-WT28W2



2. Tap "Add Device" on the device page of WiFi Hub(WG05), then add the water timer via option a or b:
a. Select "DI-WT26W2" from the device list below, then follow the prompts.





b.Tap the "Scan to add" icon in the top-right corner, scan the QR code on the device, then follow the prompts.





SEC.4 CONFIRM STABLE SIGNAL BETWEEN TIMER, HUB & ROUTER

☐ **Step 1. Operation Check**
1.After PART 1-3, test manual watering in the app to confirm the timer starts/stops normally.



2. Place the water timer at its intended installation location.

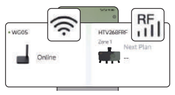


3. Press the manual button to start/stop watering. Verify status syncs in the app. Reposition the WiFi Hub if sync fails.

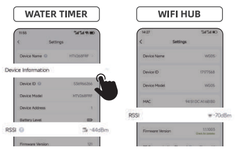


4. Repeat the test at least 3 times to ensure a stable connection between the timer, Hub (WG05) and WiFi.

☐ **Step 2. Signal Strength Check**
Option 1:
From the app home screen:
Signal status icon appears at the top-right of each device card.



Option 2:
From device settings:
Exact RSSI value is shown on the device settings page.



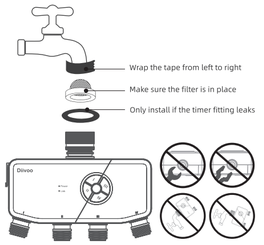
NOTE:
1. Keep RSSI > -70dBm for stable connectivity. RSSI < -80dBm may cause intermittent dropouts. Check RSSI on both the timer and hub if issues occur.

RSSI Performance	
< -80dBm	Unreliable
-70dBm	Good
>=65dBm	Recommended

2. A 2.4GHz WiFi is required. Log in to your router admin page to create a dedicated 2.4GHz SSID.
3. Enable Bluetooth on your mobile device and grant the Diivoo Smart app location access.

SEC.5 INSTALL THE TIMER, CHECK FOR LEAKS

Hand-tighten the water timer onto your garden faucet. The Teflon tape and spare rubber washer (included in the accessory bag) help create a secure, leak-free seal.



CHECKING FOR LEAKS
1.Fully open the faucet to turn on the water supply once installation is complete.
2.Inspect both the top and bottom of the timer-to-faucet connection for leaks.

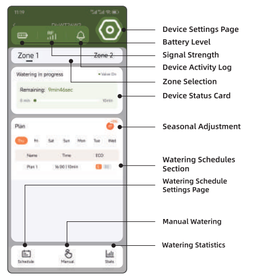


IF LEAKS OCCUR
1.Locate the spare O-ring from the included accessory kit.
2.Unscrew the hose timer from the faucet, then seat the spare O-ring under the filter screen inside the timer's inlet connector.
3.Wrap Teflon tape around the faucet threads a minimum of 3 times.
4.Reattach and retighten the hose timer securely.



SEC.6 PROGRAM WATERING SCHEDULES IN APP

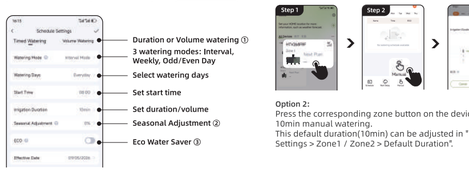
6.1 UI STRUCTURE



6.2 Create AN Automatic Watering Schedule

1.Select a zone, tap "Schedule" to open the schedule page.
2.Tap"+" to enter setting pages. Configure watering mode, days, start time, duration(or volume), seasonal adjustment and ECO mode.





NOTE:
① Volume Watering:
±10% flow accuracy (mechanical limitation).
Not for precise flow control, Use with caution.
② Seasonal Adjustment:
Adjusts watering duration/volume monthly based on weather conditions.
③ Eco Water Saver:
Cycles valve on/off for better soil absorption & less runoff.

6.3 Create A Manual Watering Schedule

Option 1:
Select Zone → tap "**MANUAL**" → set duration & ECO water saver settings in popup menu.

Option 2:
Press the corresponding zone button on the device to start 10min manual watering.
This default duration(10min) can be adjusted in "Device Settings > Zone1 / Zone2 > Default Duration".



6.4 Watering Stats

1.Tap "Stats" to view annual watering volume and cost for the current zone.
2.View data by week, month or year. Export reports to your email.
3.Set your water rate in device "**Settings > Water Rate**" to enable cost calculation.
4.Water cost estimates are based on your set rate, Values may vary due to flow meter accuracy and water pressure. For reference only – please refer to your actual water bill.



6.5 Rain Delay Setup

Option 1:
Home → Plan → top-right menu, You can apply a delay to all watering schedules, or set a custom delay for an individual schedule.



Option 2:
Device Page → Zone 1/2 → Schedule, you can set a dedicated delay for the currently selected zone.



SEC.7 VOICE CONTROL: AMAZON ALEXA & GOOGLE ASSISTANT

Setup path:
Me > Third-party Voice Service > select assistant



Google Assistant commands:
Hey Google ,Open water timer (device name)
Close water timer (device name)
Turn on water timer (device name)
Turn off water timer (device name)

Amazon Alexa commands:
Alexa, turn on the water controller
Alexa,turn off the water controller
Alexa, open water controller
Alexa, close water controller

▶ PRODUCT SPECIFICATIONS

- **Water timer**

Model	DI-WT28W2
Temperature operatin range	3℃-50℃/37.4℉-122℉
Pressure operating range	7.25-116PSI/0.5-8bar
Power supply	Built-in Lithium-ion battery(2000mah)
FCC ID	2A4EP-CTM231
IC ID	30139-CTM231

- **WiFi Hub**

Model	WG05
Range	220m(720ft) without interference
Temperature operatin range	3℃-50℃/37.4℉-122℉
Input DC	DC 5V⎓1A
WiFi Frequency	2.4Ghz
FCC ID	2A4EP-ESP32
IC ID	30139-ESP32
For Indoor Use Only	

▶ FCC STATEMENT

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.
Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.
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.
DI-WT28W2: Radiation Exposure Statement
The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.
WG05: Radiation Exposure Statement
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

▶ NON-ROUTER LIMITATIONS

1. Product Functionality
This device is a smart gateway that acts as a protocol relay between downstream sub-devices and the backend platform. Sub-devices connect to the gateway via RF or Bluetooth and have no direct public internet access. The gateway links upstream to an external router for platform access, and does not function as a standard router for general client internet connectivity.
2. Not a Consumer-Grade Router
This is not a consumer-grade router intended for residential use. It provides no internet access to computers, mobile phones, or other general client devices, and does not include typical consumer router features: NAT, client DHCP, configurable LAN/WAN routing, home firewall, and port forwarding.
The sub-device network operates as a closed, internet-isolated subnet. Its uplink is used exclusively for platform communication, not for routing general client traffic.

HELP CENTRE

1.Scan QR code for installation videos& digital user manuals in other languages.

NEED MORE HELP?

2.Still need help? Use the resources below before returning your Diivoo product.

E-mail: support@diivoosmart.com
US&CA Free Hotline +1 888 291 6836 (MON-FRI 9 AM-5 PM PST)

*Snap a photo for quick future access.