Landrip DT03

Landrip Automatic Drip Irrigation Kit

Model: DT03

Brand: Landrip

1. Introduction

The Landrip Automatic Drip Irrigation Kit (Model DT03) is designed to provide automated watering for your indoor plants. This system combines a pump and a programmable timer into a single unit, allowing for precise control over watering duration and frequency. It supports both automatic scheduled watering and immediate manual watering. The system features a digital LCD display for easy programming, dual power options (AA batteries or Micro-USB), and memory retention for settings even after power loss.



Image 1.1: The Landrip DT03 main unit connected to plant pots via drip tubing.

2. Package Contents

Verify that all components are present in your package:

- 1x Main Control Unit (with integrated pump and timer)
- 1x 33ft (approx. 10m) Tube
- 15x Drippers
- 1x USB Cable
- 1x Cross Joint
- 15x T Joints
- 3x Tube Ends
- 1x Clip
- 1x Filter

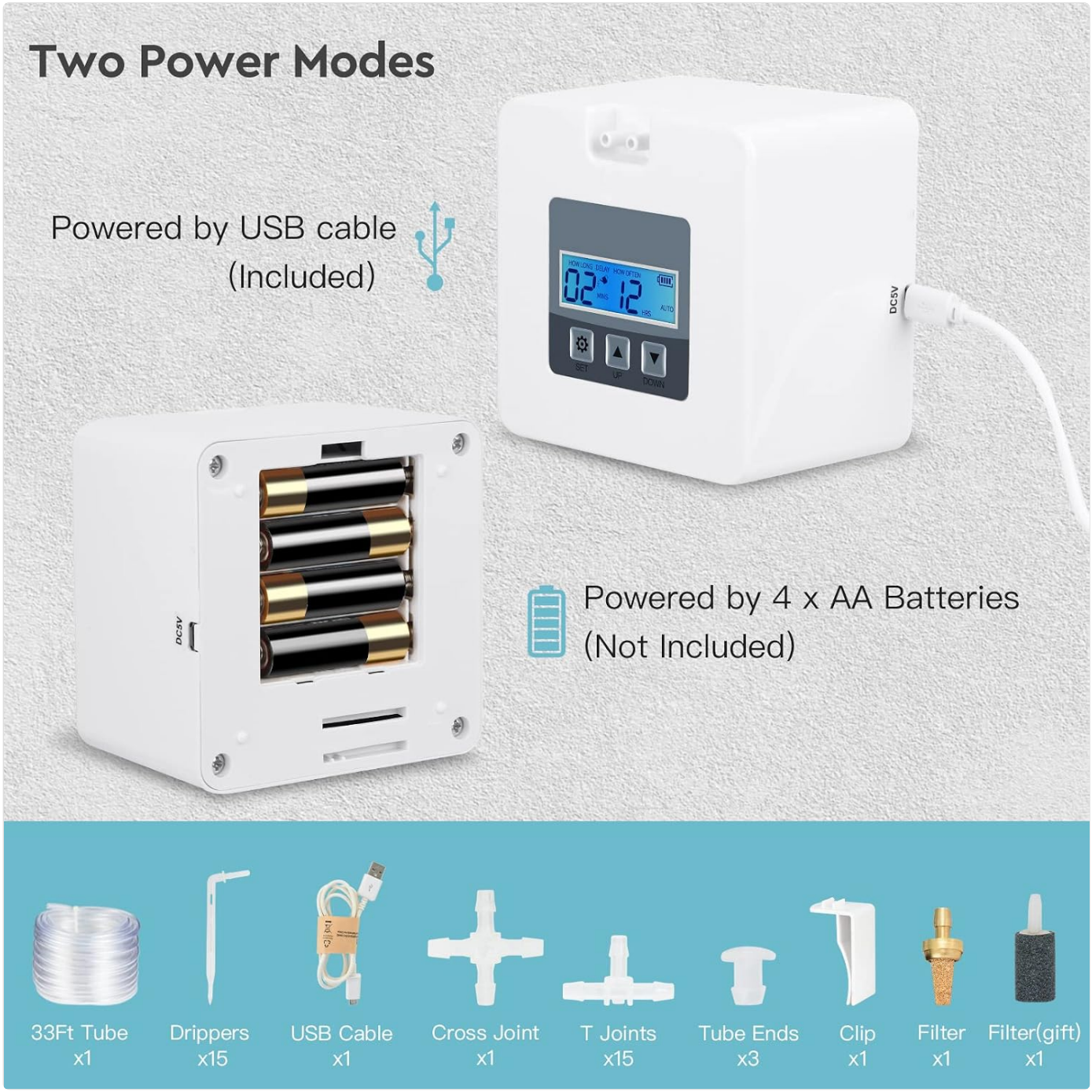


Image 2.1: All included components of the Landrip DT03 kit.

3. Safety Information

- Do not immerse the main control unit in water.
- Ensure the water source bucket is placed below the plants to prevent a siphon effect when the pump is off.
- Use only 5V Micro-USB power adapters.
- Keep out of reach of children.
- Do not use with corrosive liquids.

4. Setup

Follow these steps for quick and easy installation:

1. **Prepare the Tubing:** For easier assembly, soak the tube in warm water for a few minutes to make it more pliable.
2. **Connect the Main Unit:**

- Attach one end of the main tube to the "IN" port of the control unit.
- Attach the other end of the main tube to the water source (e.g., a bucket of water). Ensure the filter is attached to the end of the tube submerged in the water source.
- Attach the output tube to the "OUT" port of the control unit.

3. **Distribute Drippers:**
    - Cut the output tube to desired lengths.
    - Use T-joints and cross-joints to create branches for each plant.
    - Insert a dripper into the end of each branch, positioning it near the base of the plant.
    - Use tube ends to seal any unused branches.
4. **Position the Water Source:** Place the water source bucket on a level surface, ensuring it is below the level of your plants. This prevents unintended siphoning.
5. **Power the Unit:** Insert 4 AA batteries into the battery compartment or connect the Micro-USB cable to a 5V power adapter and plug it into the unit.



Image 4.1: Schematic diagram of the drip irrigation system setup.

5. Operation and Programming

The Landrip DT03 features a digital LCD display for easy programming of watering schedules.

5.1. Understanding the Display and Buttons



Image 5.1: Control panel and digital display.

The display shows "HOW LONG" (watering duration) and "HOW OFTEN" (watering frequency). Buttons include SET, UP, and DOWN.

5.2. Setting the Automatic Watering Schedule

1. **Set Watering Duration:**
    - Press the **SET** button once. The "HOW LONG" value will start blinking.

    - Use the **UP** and **DOWN** buttons to adjust the watering duration from 1 to 99 seconds, or 2 to 15 minutes.
    - Press **SET** again to confirm and move to the next setting.

2. **Set Watering Frequency:**
    - The "HOW OFTEN" value will start blinking.
    - Use the **UP** and **DOWN** buttons to adjust the frequency from 1 to 23 hours, or 1 to 30 days.
    - Press **SET** again to confirm and save the schedule. The display will show "SET OK".

The system will now automatically water your plants according to the programmed schedule. The settings are stored in memory and will not be lost if power is interrupted.

5.3. Manual Watering

To water immediately without affecting the programmed schedule:

- Press and hold the **UP** button for a few seconds. The pump will activate and water the plants.
- Release the **UP** button to stop manual watering.

5.4. Low Power and Water Detection

- **Low Battery:** The battery indicator on the LCD display will illuminate when the AA batteries are low and need replacement.
- **Low Water Level:** If the water level in your reservoir is too low, the system will stop watering and emit an audible beep to alert you to refill the water source.

6. Power Modes

The Landrip DT03 offers flexible power options:

- **AA Batteries:** The unit can be powered by 4 AA batteries (not included).
- **Micro-USB:** The unit can be powered via a Micro-USB cable (included) connected to a 5V power adapter (e.g., a phone charger).

For continuous operation and as a backup, it is recommended to use both power sources. If the USB power is interrupted, the system will automatically switch to AA battery power (if batteries are installed) to ensure uninterrupted watering.

7. Maintenance

- **Clean the Filter:** Regularly check and clean the filter at the end of the intake tube to prevent blockages and ensure consistent water flow.
- **Inspect Drippers:** Periodically check drippers for any blockages, especially if using hard water, and clean them as needed.
- **Water Source:** Ensure the water source is clean to prevent sediment from entering the system.
- **Storage:** If storing the unit for an extended period, remove the batteries and drain any remaining water from the tubes and pump.

8. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No water is dispensed.	◦ Water source empty. ◦ Pump or tubing blocked. ◦ Low battery or no power. ◦ Siphon effect due to incorrect water source placement.	◦ Refill water source. ◦ Clean filter and drippers. Check for kinks in tubing. ◦ Replace AA batteries or ensure USB power is connected. ◦ Ensure water source is below plant level.
Watering is inconsistent or uneven.	◦ Drippers are clogged. ◦ Uneven plant elevation.	◦ Clean or replace drippers. Consider using drippers with wider openings if hard water is an issue. ◦ Ensure all plants are at a similar elevation relative to the pump. Water will naturally flow to the lowest point.
Unit beeps continuously.	Low water level detected.	Refill the water reservoir.
Settings are not saved.	Programming not confirmed.	Ensure you press the **SET** button after adjusting both duration and frequency until "SET OK" appears.

9. Specifications

Model Number	DT03
Dimensions (L x W x H)	9.9 x 7.1 x 9.9 cm (3.9 x 2.8 x 3.9 inches)
Weight	650 grams
Material	Plastic
Power Source	4x AA Batteries or Micro-USB (5V)
Watering Duration	1-99 seconds / 2-15 minutes
Watering Frequency	1-23 hours / 1-30 days
Number of Pots Supported	Up to 15 (with included accessories)

10. Warranty and Support

For product support, warranty information, or any inquiries, please contact Landrip customer service:
Email: haizhou_eu@outlook.com
Please provide your model number (DT03) and purchase details when contacting support.

© 2026 Landrip. All rights reserved.

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

you@example.com

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.

Submit question