Landrip DT03

Landrip DT03 Automatic Drip Irrigation Kit

User Manual

Introduction

The Landrip DT03 Automatic Drip Irrigation Kit is designed to provide automated watering for potted plants in homes, offices, balconies, and gardens. This system allows for scheduled watering and fertilization, ensuring plants receive consistent moisture. It features both automatic and manual operation modes, low power detection, and flexible power options (AA batteries or Micro USB). The drip irrigation method promotes water conservation and efficient plant hydration by delivering water directly to the plant's root zone.

Package Contents

Verify that all components are present in your package:

- 1x Main Controller Unit
- 1x 15-meter (approximately 33ft) Tube
- 15x Drippers
- 1x USB Cable
- 1x Cross Joint
- 15x T-Joints
- 3x Tube Ends
- 1x Clip (for controller)
- 1x Water Intake Filter
- 1x Air Stone Filter (accessory)

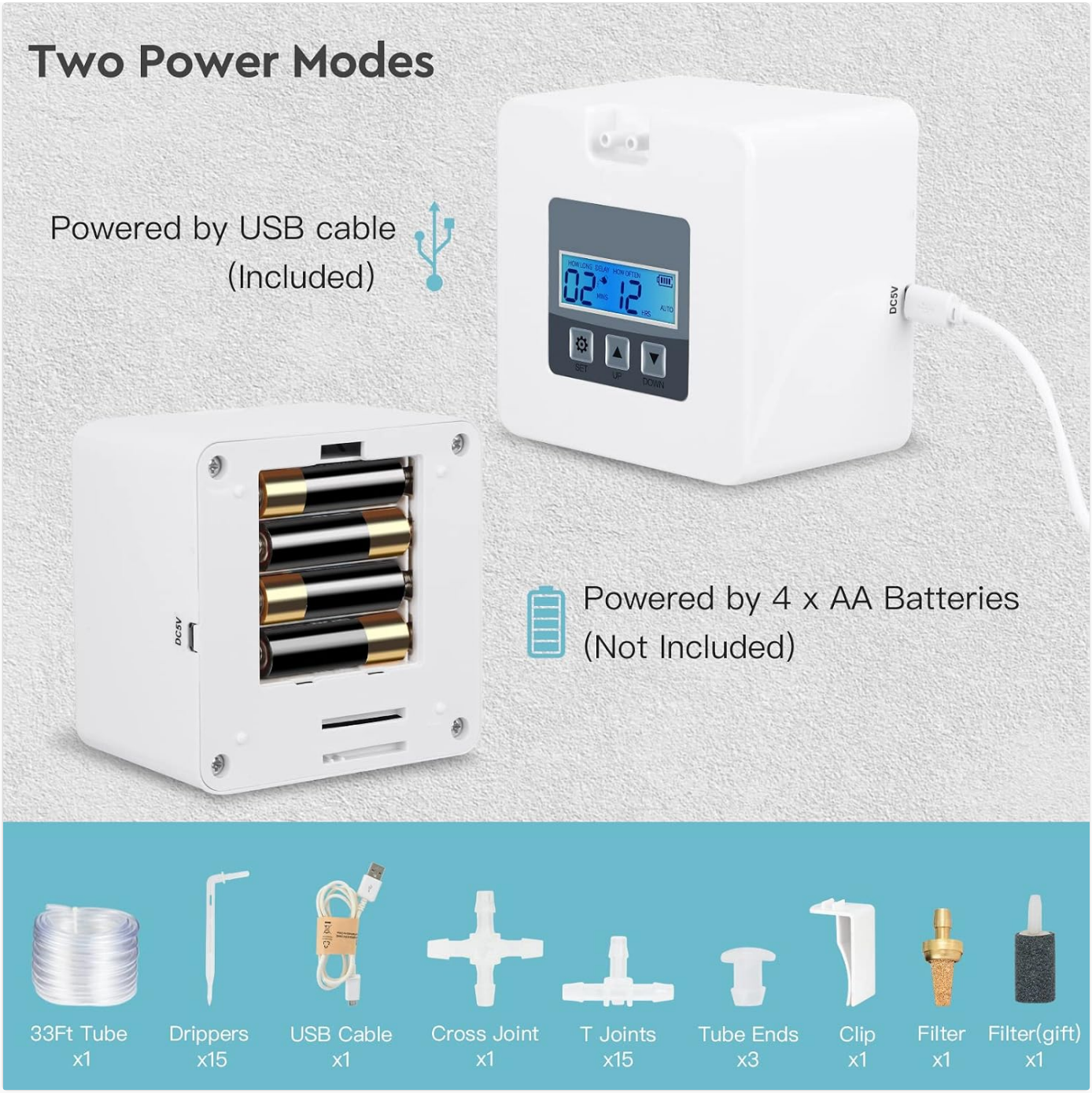


Image: Landrip DT03 Power Modes and Included Components. This image displays the main controller unit, showing its battery compartment for 4 AA batteries (not included) and a micro USB port for power. Below the controller, a layout of included accessories is shown, including a 33ft tube, 15 drippers, a USB cable, a cross joint, 15 T-joints, 3 tube ends, a clip, and two filters.

Setup Instructions

1. **Tube Preparation:** Use boiled water to soak the tubing for a few minutes before installation. This softens the tube, making it easier to connect to accessories and helps create a more secure, leak-resistant seal.
2. **Controller Placement:** Place the main controller unit in a stable location. Ensure the water reservoir (not included) is positioned at or below the level of the plants to avoid a siphon effect, which can lead to continuous dripping and overwatering. The controller can be clipped to the edge of the water reservoir using the provided clip.
3. **Connecting Tubes:** Connect one end of the 15-meter tube to the controller's 'IN' port. Use the T-joints and cross joints to create a distribution network for the tubing to reach individual plants. Secure any open tube ends with the provided caps.

4. **Dripper Placement:** Insert the drippers into the tubing near the base of each plant. Ensure drippers are positioned to deliver water directly to the plant's root zone for optimal absorption.
5. **Power Supply:** Insert 4 AA batteries (not included) into the battery compartment on the back of the controller, or connect the provided Micro USB cable to a 5V power adapter (not included) for continuous power.



Image: Landrip DT03 Controller Setup with Water Reservoir. The image shows the white Landrip DT03 controller unit clipped to the side of a green water bucket. Clear tubing extends from the controller into the water and towards a potted plant, illustrating the water intake and distribution.



Image: Automatic Drip Irrigation Kit Overview. This graphic illustrates the complete drip irrigation system setup, showing the controller connected to a water glass, distributing water via tubing and drippers to multiple potted plants. Icons highlight features such as automatic watering, USB/battery power, drip irrigation at the root zone, water saving, digital LCD display, and easy setup.

Operating Instructions

1. Powering On

Once batteries are inserted or USB power is connected, the digital display on the controller will activate.

2. Automatic Watering/Fertilization

1. Press the '**SET**' button to enter programming mode.
2. Use the '**UP**' and '**DOWN**' buttons to adjust the watering duration (from 1 to 99 seconds or 2 to 15 minutes) and frequency (from 1 to 23 hours or 1 to 30 days).
3. Confirm your settings by pressing **SET**' again. The system will then automatically water at the scheduled times.



Image: Programming Interface of Landrip DT03. The image shows a close-up of the controller's digital display, indicating options for setting custom watering duration (1-99 seconds / 2-15 minutes) and frequency (1-23 hours / 1-30 days). The display also shows 'Dual Planting Mode' with 'Automatic & Manual' options.

3. Manual Watering/Fertilization

To initiate immediate watering, press the '**A**/**M**' button on the control panel. This action will not affect the currently programmed automatic schedule.

4. Low Battery Detection

If battery power is low, the display on the control panel will turn red, indicating that the batteries need to be replaced.



Image: Landrip DT03 Controller Features. This image highlights key features of the Landrip DT03 controller, including a digital timer display, program memory, two power modes (battery/USB), and accurate programming capabilities.

Maintenance

- **Cleaning Tubes:** Periodically inspect and clean the tubing to prevent biofilm buildup, which can restrict water flow. A thin pipe cleaner can be used for this purpose.
- **Battery Replacement:** Replace AA batteries promptly when the low battery indicator appears on the display to ensure continuous operation.
- **USB Port Protection:** If the unit is primarily powered by batteries and exposed to moisture, consider taping the micro-USB port to prevent corrosion from accidental water spills.
- **Filter Cleaning:** Regularly check and clean the water intake filter to prevent blockages and ensure consistent water flow.

Troubleshooting

Problem: Water leaks from connections.
Solution: Ensure all tube connections are secure and pushed in firmly. Soaking the tubing in boiled water before assembly helps create tighter seals. Check for any cracks or damage in the tubing or connectors and replace if necessary.

Problem: No water is dispensing or flow is very low.
Solution:

- Verify the water reservoir contains sufficient water.
- Check battery level or USB power connection. Replace batteries if the low battery indicator is on.
- Ensure the water intake filter is not clogged. Clean if necessary.
- Confirm programming settings are correct and the system is not in a 'delay' period.
- Check for kinks or blockages in the tubing.

Problem: Continuous dripping even when not scheduled to water (siphon effect).
Solution: Ensure the water reservoir is not placed significantly higher than the plants. The reservoir should ideally be at or below the level of the plants to prevent gravity from causing continuous flow.

Problem: Uneven watering among plants.
Solution: Adjust dripper placement to ensure water reaches the root zone of each plant. For plants requiring more water, consider adding additional drippers or adjusting the watering duration in the programming.

Product Specifications

Model Number	DT03 (HZ-DT03)
Brand	Landrip
Power Source	Battery (4x AA, not included) or Micro USB (5V adapter not included)
Hose Length	15 meters
Number of Drippers	15
Package Dimensions	18.9 x 12.3 x 11.4 cm
Weight	650 grams
Special Features	Automatic watering system, digital timer display, program memory, two power modes
UPC / GTIN	610738992463

Safety Information

- Always use boiled water to soak the hose before installation to ensure a secure and leak-free system.
- Do not place the water reservoir significantly higher than the pots to prevent a siphon effect, which can lead to overwatering and water wastage.
- This device is designed for indoor or protected outdoor use. The control unit is not waterproof and should be protected from direct exposure to rain or excessive moisture.
- Keep the device and its components out of reach of children and pets.

Warranty and Support

For warranty information, technical support, or replacement parts, please refer to the retailer or manufacturer's official website. It is recommended to keep your purchase receipt as proof of purchase for any warranty claims.

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Question

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