

XINGGANG XINGGANG-340

XINGGANG 340-Piece Drip Irrigation System Kit Instruction Manual

1. INTRODUCTION

This manual provides comprehensive instructions for the XINGGANG 340-piece Drip Irrigation System Kit. Designed for efficient and automatic watering, this kit is suitable for various applications including gardens, lawns, vegetable patches, and greenhouses. It aims to simplify plant care while conserving water resources.

The system utilizes a customized drip irrigation method, which can significantly reduce water consumption compared to traditional manual watering. Its design focuses on ease of installation and customization to fit diverse landscaping needs.

2. PRODUCT COMPONENTS

The XINGGANG 340-piece Micro Drip Irrigation Kit includes the following components:

- 55m x 4/7 PVC Tube
- 15m x 8/12 PVC Tube
- 80 x Support Hooks
- 50 x Adjustable Drippers
- 50 x T-Connectors
- 10 x 8/12 to 4/7 3-Way Connectors
- 4 x 8/12 to 4/7 4-Way Connectors
- 2 x 8/12 to 4/7 6-Way Connectors
- 3 x 8/12 Quick Connectors
- 1 x 4/6 to 4/7 Connector
- 1 x Hole Punch
- 3 x Mini Regulating Valves
- 2 x Waterproof Tape
- 1 x Faucet Connector
- 1 x Universal Connector
- 1 x Universal Quick Connector
- 1 x 2-Way Connector
- 20 x Atomizing Nozzles

- 10 x 4/7 Barbs
- 10 x 4/7 Barbed Couplings
- 20 x Flat T-Connectors
- 50 x Nylon Cable Ties
- 2 x 8/12 T-Connectors
- 12 x 4/7 End Caps
- 3 x 8/12 End Caps
- 1 x User Manual (this document)

SIMPLE OPERATION METHOD

Comes with detailed installation instructions



Figure 1: Overview of all included components.

3. SETUP AND INSTALLATION

The XINGGANG drip irrigation system is designed for easy installation without the need for digging or complex plumbing. Follow these steps for a successful setup:

1. **Prepare Hoses:** Before assembly, soak the ends of the hoses in hot water for approximately 10 seconds. This softens the PVC material, making it easier to push fittings onto the tubes. Once cooled, the connections will be firm and secure.
2. **Connect to Water Source:** Attach the faucet connector or universal connector to your outdoor tap. Ensure a tight fit to prevent leaks.
3. **Lay Main Lines:** Connect the larger 8/12 PVC tube (main line) to the faucet connector. Route this main line through your garden or area to be irrigated.
4. **Branch Out with Smaller Tubes:** Use the 8/12 to 4/7 connectors (3-way, 4-way, 6-way) to branch off with the smaller 4/7 PVC tubes. These smaller tubes will lead to individual plants or sections.
5. **Install Drippers and Nozzles:** Use the hole punch tool to create small holes in the 4/7 tubes where you want to install drippers or atomizing nozzles. Insert the drippers or nozzles firmly into these holes.
6. **Secure Tubing:** Use the provided support hooks and nylon cable ties to secure the tubing along your desired path, preventing kinks and ensuring stability.
7. **Customize and Expand:** The modular design allows for easy customization. You can add more hoses, drippers, and accessories to expand the system as needed to suit your specific landscape and plant requirements.

MICRO DRIP IRRIGATION KIT INSTRUCTION

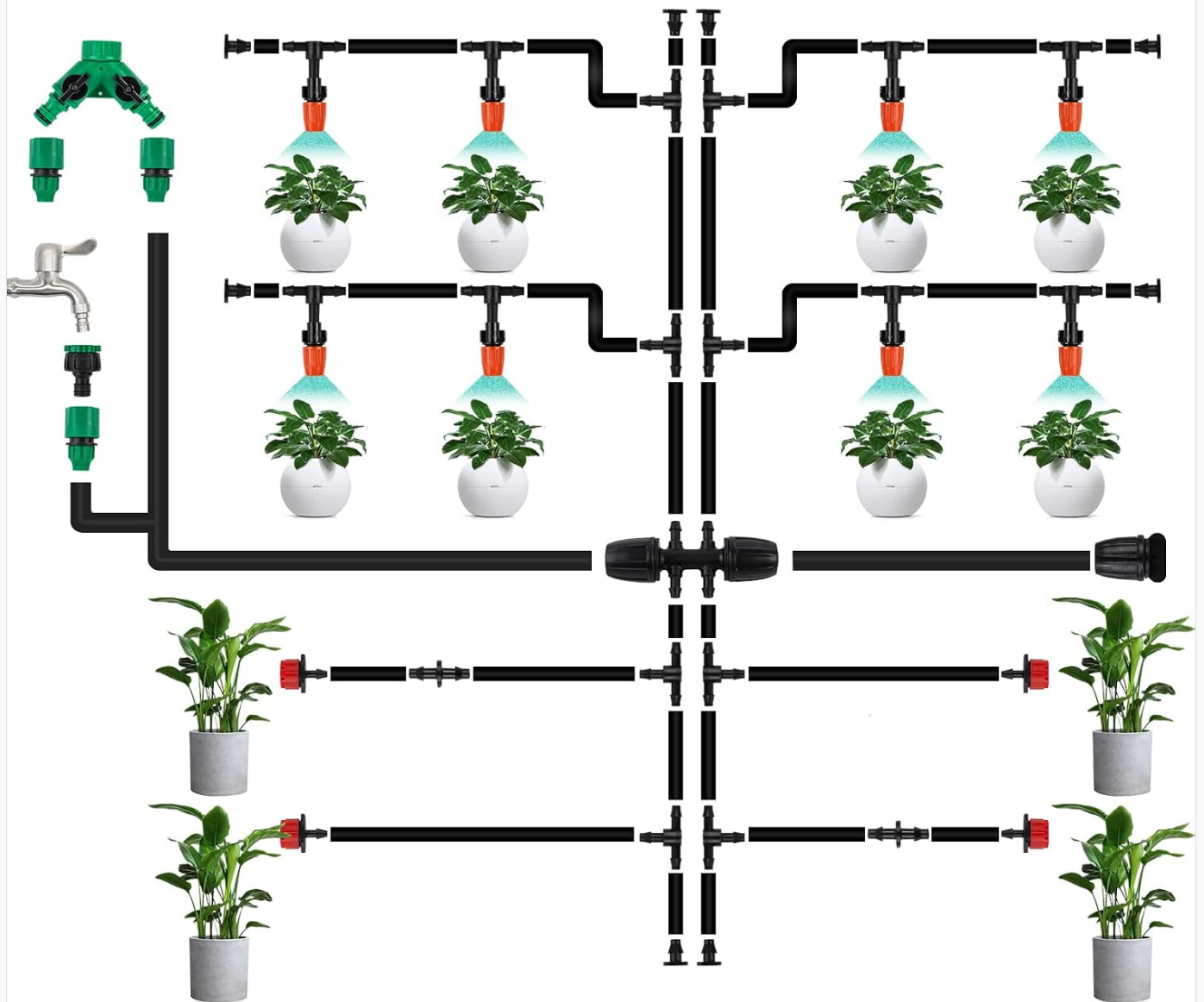


Figure 2: Simple operation method for connecting components.

PRODUCTLIST



4/7 mm hose*55M



8/11mm hose*15M



Dual channel
Connector*1



Tubing quick
Connector*3



Faucet
Connector*1



4/6 to 4/7dual
Connector*1



Different
diameter tee*10



Different diameter
four-way*4



Adapter*2



Equal diameter tee*2



8/11mm plug*3



Universal faucet
Connector*1



Universal faucet
Connector*1



Atomizing Nozzle*20



4/7mm Flat tee*20



4/7mm plug*12



4/7mm Barbedtee*50



Hole punch*1



Mini regulating valve*3



Red dripper*50



4/7mm Double
hook*10



4/7 singlehook*10



4/7mm fixing rod*80



Waterproof tape*2



Cable ties*50



Manual

Figure 3: Example layout for a micro drip irrigation system.

4. OPERATING INSTRUCTIONS

Once installed, operating the XINGGANG drip irrigation system is straightforward:

- **Water Flow Control:** The adjustable drippers and mini regulating valves allow you to control the water flow to individual plants or sections. Rotate the dripper caps to adjust the water output from a slow drip to a small spray.
- **System Activation:** Simply turn on your water tap to activate the system. Water will flow through the tubes and be delivered directly to your plants.
- **Automatic Operation:** For fully automatic watering, connect the system to a compatible irrigation timer (not included). This allows you to set watering schedules based on your plants' needs.

FLOW REGULATION EFFECT DIAGRAM

Control the mode by adjusting the tightness of the dripper



Figure 4: Flow regulation effect diagram showing adjustable water output.



Figure 5: Detailed view of drippers and nozzles in operation.

5. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your drip irrigation system:

- **Inspect for Leaks:** Periodically check all connections and tubing for any signs of leaks. Tighten connections or replace damaged components as needed.
- **Clean Drippers/Nozzles:** Over time, mineral deposits or debris can clog drippers and nozzles. Disassemble and clean them with water, or replace if severely clogged.
- **Check Water Flow:** Ensure consistent water flow to all plants. Adjust drippers or clear blockages if some plants are not receiving adequate water.
- **Winterization (if applicable):** In colder climates, drain the system before winter to prevent freezing and damage to components.

6. TROUBLESHOOTING

Here are solutions for common issues you might encounter:

- **Low Water Output from Drippers:**
 - **Cause:** Low water pressure from the source or too many drippers on a single line.
 - **Solution:** If water pressure is inherently low, consider using multiple main lines simultaneously to distribute the load. Ensure each tube is connected to an appropriate number of drippers based on your actual water pressure. Check for clogs in the drippers or tubing.
- **Leaking Connections:**
 - **Cause:** Improperly seated fittings or damaged tubing.
 - **Solution:** Ensure all fittings are pushed firmly onto the tubing. Re-soak the tube ends in hot water and re-attach if necessary. Replace any cracked or damaged tubing sections.
- **Uneven Watering:**
 - **Cause:** Blocked drippers, varying water pressure across the system, or incorrect dripper placement.
 - **Solution:** Clean or replace clogged drippers. Adjust the flow rate of individual drippers to balance water distribution. Ensure the main lines are laid as evenly as possible to maintain consistent pressure.

7. SPECIFICATIONS

Feature	Detail
Brand	XINGGANG
Model Number	XINGGANG-340
Total Pieces	340
Hose Length	70 meters (55m of 4/7 tube + 15m of 8/12 tube)
Material	Polyvinyl Chloride (PVC)
Power Source	Water Pressure
Special Features	Adjustable drip irrigation, automatic watering system
Package Dimensions	36 x 30.3 x 13 cm
Item Weight	2.84 kilograms
ASIN	B0BP285LFD
GTIN	746608878374

WE INCLUDE



4/7 Tube * 55M



8/12 Tube * 15M



OTHERS ONLY



4/7 Tube



Insufficient water flow pressure,
resulting in many nozzles behind
unable to deliver water



Smooth, Soft,
not easy to break



PVC material
Durable



Can be cut to
desired length

Figure 6: Details on tube types and material quality.

8. WARRANTY AND SUPPORT

Specific warranty information for the XINGGANG 340-Piece Drip Irrigation System Kit is not available in the provided product data. For any support inquiries, please refer to the retailer or manufacturer's contact information provided at the point of purchase.

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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

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Email

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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