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> TRJZWA Solar Irrigation System Expansion Kit Instruction Manual

TRJZWA BSV-IC301-accessory

TRJZWA Solar Irrigation System Expansion Kit Instruction Manual

Model: BSV-IC301-accessory

INTRODUCTION

This instruction manual provides comprehensive guidance for the TRJZWA Solar Irrigation System Expansion Kit. This kit is designed to extend or supplement an existing solar plant watering system, offering additional components for broader coverage and enhanced watering efficiency. Please read this manual thoroughly before installation and operation to ensure proper use and longevity of the product.

SAFETY INFORMATION

Always ensure the kit is installed correctly to prevent leaks and water damage. Be cautious when cutting the hose to the required length to avoid injury. Always follow the manufacturer's instructions for safe and proper use of the drip irrigation system.

PACKAGE CONTENTS

The TRJZWA Solar Irrigation System Expansion Kit includes the following components:

- 10 meters (approximately 32.8 feet) of Watering Hose
- 10 Drip Heads
- 10 T-Heads
- 1 Filter
- Screws (quantity 2) and Wall Plugs (quantity 2) for mounting (if applicable to your main system)



Image: All components included in the TRJZWA Solar Irrigation System Expansion Kit.

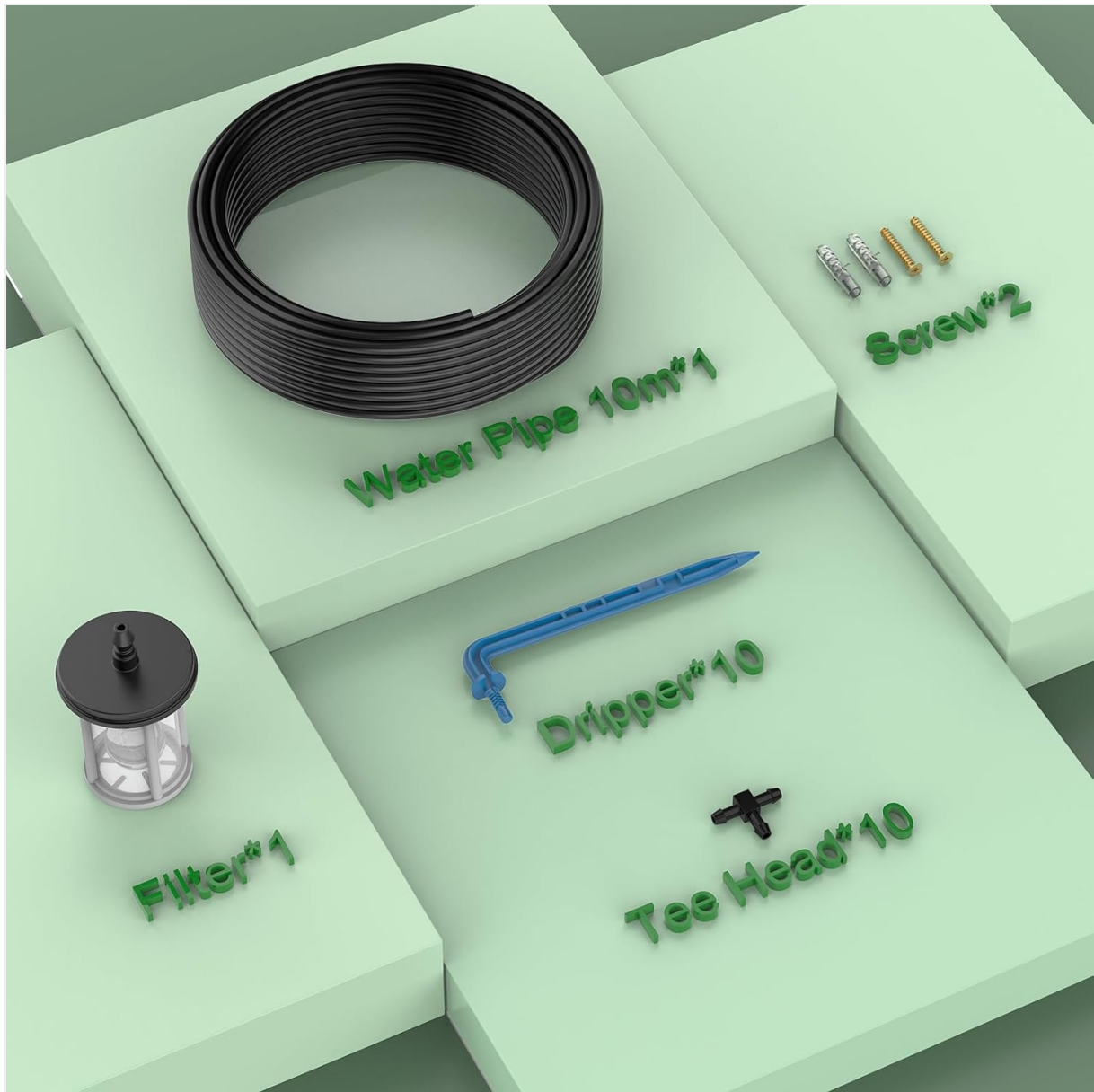


Image: Detailed view of the kit components, including the water pipe, filter, dripper, and tee head.

PRODUCT OVERVIEW

This expansion kit provides essential accessories to enhance your existing solar drip irrigation setup. Key features include:

- **Irrigation Hose:** Made of high-quality PVC plastic, flexible and durable, ensuring normal water flow without leaks.
- **Irrigation Drip Head:** Designed to penetrate deep into plant roots, supplying sufficient water efficiently and saving up to 70% of water resources.
- **T-Head:** Connects the irrigation hose and dripper, offering simple and flexible connections. Made from high-quality material for reuse.
- **Filter:** Prevents impurities from entering the system, ensuring clean water delivery to plants.

Deep Drip Irrigation



Image: Deep drip irrigation system delivering water directly to the root zone of a plant.

Divide the Water into 2 Parts

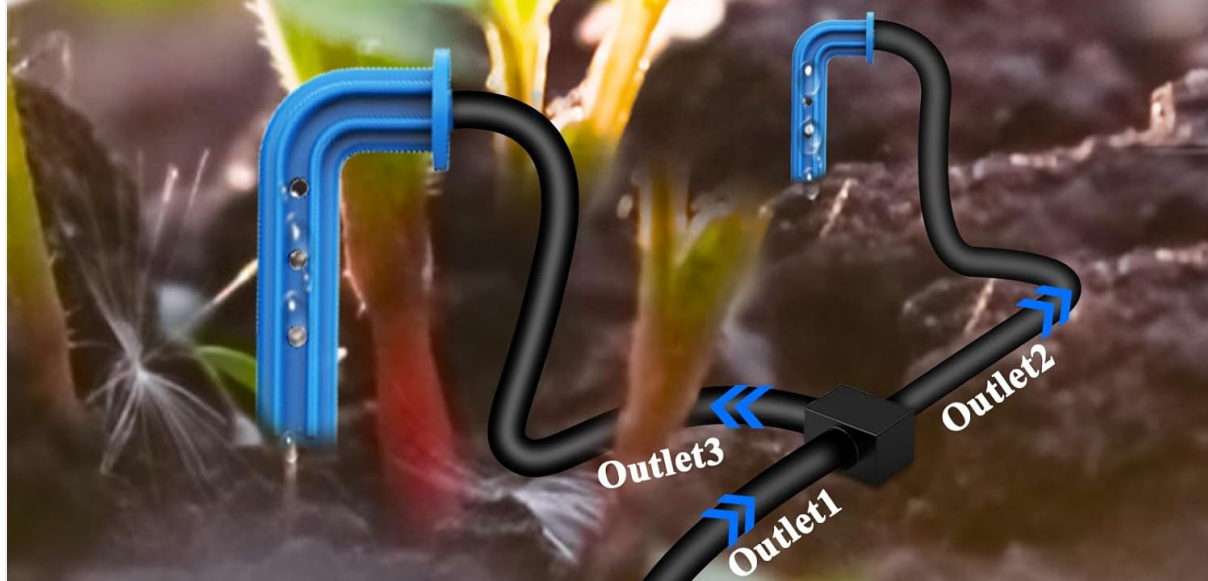


Image: T-head connector distributing water from a main line to multiple drip lines for individual plants.

Filtering Impurities from Water



Image: Water filter submerged in a water reservoir, preventing debris from entering the irrigation system.

SETUP INSTRUCTIONS

This kit is an expansion for an existing solar irrigation system. Follow these steps to integrate the components:

1. **Plan Your Layout:** Determine the placement of your plants and the path for the irrigation hose. Consider where each drip head will be positioned to ensure optimal watering.
2. **Prepare the Hose:** Unroll the 10-meter watering hose. You may need to cut it into appropriate lengths using a sharp utility knife or scissors to connect to your main system and reach individual plants. It is often easier to attach connectors to cut segments first.
3. **Install T-Heads:** Insert the T-heads into the main irrigation line where you intend to branch off to multiple plants. Ensure a snug fit to prevent leaks.
4. **Connect Drip Heads:** Attach the drip heads to the ends of the smaller hose segments branching from the T-heads. Position each drip head firmly into the soil near the base of the plant, ensuring it can deliver water directly to the root zone.
5. **Integrate the Filter:** If your main system does not have a filter, or if you are setting up a new water source (e.g., a bucket), ensure the provided filter is installed at the intake point of your water source to prevent debris from clogging the system.

6. **Connect to Main System:** Connect the newly assembled expansion lines to your existing solar irrigation system's main water output.
7. **Test the System:** Once all connections are made, activate your main solar irrigation system to check for proper water flow and any leaks. Adjust drip head positions as needed.



Image: Example of the expansion kit extending an existing drip irrigation setup for potted plants.

OPERATING INSTRUCTIONS

This expansion kit functions as an extension of your primary solar irrigation system. Its operation is directly controlled by the settings of your main unit.

- **Water Source:** Ensure your main solar irrigation system is connected to a reliable water source, such as a rain barrel or a water bucket.
- **System Activation:** The drip heads will dispense water according to the programmed schedule of your main solar irrigation system. Refer to your main system's manual for setting watering frequency and duration.
- **Water Efficiency:** The drip heads are designed for efficient water delivery, minimizing waste and potentially saving up to 70% of water compared to traditional watering methods.
- **Versatile Application:** This system is suitable for various environments, including gardens, balconies,

greenhouses, and vegetable fields, allowing flexible adjustment to meet diverse plant watering needs.



Image: Visual examples of the drip irrigation system effectively watering plants in a garden, lawn, balcony, and greenhouse environment.

MAINTENANCE

Regular maintenance ensures the optimal performance and longevity of your irrigation system components:

- **Filter Cleaning:** Periodically inspect and clean the water filter to remove any accumulated debris or impurities. A clogged filter can reduce water flow and system efficiency.
- **Hose Inspection:** Regularly check the irrigation hose for kinks, cracks, or damage. Ensure all connections are secure and free from leaks.
- **Drip Head Check:** Verify that all drip heads are functioning correctly and are not clogged. If a drip head is blocked, gently clean it or replace it if necessary.
- **Water Source Hygiene:** If using a water bucket or rain barrel, ensure it is kept clean and free of algae or sediment, especially between refills.
- **Winterization (if applicable):** In colder climates, disconnect and drain the system before freezing temperatures to prevent damage to hoses and components.

TROUBLESHOOTING

If you encounter issues with your expansion kit, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No water flow from drip heads.	<ul style="list-style-type: none">• Clogged filter.• Kinked or blocked hose.• Loose connection.• Main irrigation system not operating.	<ul style="list-style-type: none">• Clean the filter.• Inspect the hose for obstructions or kinks and straighten them.• Check all T-head and drip head connections for tightness.• Verify your main solar irrigation system is powered on and scheduled correctly.
Uneven water distribution.	<ul style="list-style-type: none">• Drip heads not positioned correctly.• Partial blockage in a drip head or hose segment.	<ul style="list-style-type: none">• Adjust drip head placement to ensure even coverage.• Inspect and clean individual drip heads and hose segments for blockages.
Leaks at connections.	<ul style="list-style-type: none">• Loose connections.• Damaged hose or connector.	<ul style="list-style-type: none">• Tighten all connections.• Replace any damaged hose sections or connectors.

SPECIFICATIONS

Feature	Detail
Model Name	BM-UK-301Accessories
Item Model Number	BSV-IC301-accessory
Brand	TRJZWA
Material	Plastic
Hose Length	10 meters (approx. 32.8 feet)
Package Dimensions	7.6 x 6.65 x 1.57 inches
Package Weight	9.59 ounces
Manufacturer	TRJZWA

WARRANTY AND SUPPORT

For warranty information or technical support regarding your TRJZWA Solar Irrigation System Expansion Kit, please refer to the documentation provided with your main solar irrigation system or contact the seller directly through the platform where the purchase was made. Keep your purchase receipt as proof of purchase.

