

Orbit 67100

Orbit 67100 1/4" Barb Drip Irrigation Multi-Stream Emitter Instruction Manual

Model: 67100

INTRODUCTION

The Orbit 67100 Multi-Stream Drip Emitter is designed for precise micro-watering in various garden settings. It delivers a gentle, full-pattern multi-stream spray, ideal for annuals, shrubs, perennials, or container plants. This emitter allows for adjustable water flow to suit specific plant needs and conserve water.

PRODUCT OVERVIEW

The multi-stream drip emitter features a 1/4-inch barb inlet for direct connection to 1/4-inch drip tubing. It also includes a 10-32 male thread (MT) for optional connection to drip stakes. The emitter's head is adjustable, allowing users to control the spray radius and flow rate.



Image: The Orbit 67100 Multi-Stream Drip Emitter, a black plastic component with a ribbed top and a barb connection at the bottom. The top surface shows markings for flow adjustment.

Key Features:

- Precise micro-watering for various plants.
- Multiple streams provide gentle flow for efficient soak-in.
- Adjustable flow control to customize water application rates.
- Dual connection options: 10-32 male thread and 1/4-inch barb.
- Compatible with B-hyve smart controllers for water conservation.

SETUP AND INSTALLATION

1. **Prepare Tubing:** Ensure your 1/4-inch drip tubing is cut to the desired length and free of debris.
2. **Connect to Tubing:** Push the 1/4-inch barb inlet of the emitter directly into the end of the 1/4-inch drip tubing. For easier insertion, you may briefly warm the end of the tubing in warm water.
3. **Optional Drip Stake Connection:** If using a drip stake, connect the 10-32 male thread of the emitter to a drip stake with a 10-32 female thread.
4. **Placement:** Position the emitter near the base of the plant you wish to water. Use a drip tubing Y-anchor stake if needed to secure the emitter in place.
5. **Water Source Connection:** Connect the 1/4-inch drip tubing to your main drip manifold, a 1/2-inch drip tubing lateral line, or directly to a hose faucet using a 1/4-inch hose faucet adapter.
6. **System Check:** Before final operation, briefly turn on the water supply to check for leaks and proper emitter function.

OPERATING INSTRUCTIONS

The Orbit 67100 Multi-Stream Drip Emitter allows for easy adjustment of water flow and spray radius.

Adjusting Water Flow:

The top of the emitter features a rotating head with markings for adjustment. To decrease the spray radius and water flow, rotate the multi-stream head clockwise towards the "minus" symbol. To increase the spray radius and water flow, rotate the head counter-clockwise towards the "plus" symbol. You can also shut off the flow completely by rotating it fully clockwise.

The recommended operating pressure for this emitter is 30 PSI. For optimal water conservation, consider integrating the system with an Orbit B-hyve smart controller.

MAINTENANCE

- **Regular Inspection:** Periodically check emitters for clogs or damage.
- **Cleaning:** If an emitter becomes clogged, gently remove it from the tubing and rinse it under running water. A small brush can be used to clear any debris from the nozzles.
- **Winterization:** In freezing climates, disconnect and drain your irrigation system, including emitters, to prevent damage from ice expansion.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No water flow or reduced flow	Clogged emitter; insufficient water pressure; emitter turned off.	Clean the emitter; check water supply pressure; rotate emitter head to increase flow.
Leaking at connection point	Improperly seated tubing; damaged barb.	Ensure tubing is fully pushed onto the barb; replace emitter if barb is damaged.
Uneven spray pattern	Partial clog; incorrect adjustment.	Clean the emitter nozzles; adjust the emitter head for desired pattern.

SPECIFICATIONS

- **Model:** 67100
- **Brand:** Orbit
- **Material:** Plastic
- **Color:** Black
- **Inlet Type:** 1/4" Barb and 10-32 Male Thread (MT)
- **Spray Pattern:** Multi-Stream, Full Pattern
- **Maximum Spray Radius:** Up to 3 feet (at 30 PSI)
- **Recommended Operating Pressure:** 30 PSI
- **Dimensions (L x W x H):** 1 x 1 x 1 inches
- **Item Weight:** 1 pounds (for a single unit, though sold in packs)
- **Usage:** Outdoor irrigation with cold water only

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the official Orbit website or contact their customer service department. Keep your purchase receipt for warranty claims.

Contact Information: Please visit the [Orbit Store on Amazon](#) or the official Orbit website for the most current support details.