

## Gardena 8201-U

# Gardena 8201-U T100 Turbo Pop-Up Sprinkler System Instruction Manual

Model: 8201-U

## INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your Gardena 8201-U T100 Turbo Pop-Up Sprinkler. Designed for permanent underground irrigation systems, this sprinkler ensures efficient and precise watering for your garden. Please read this manual thoroughly before installation and use to ensure optimal performance and longevity of your product.

## PRODUCT OVERVIEW

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The Gardena 8201-U T100 is a turbo-driven pop-up sprinkler engineered for permanent underground installation. It is designed to emerge from the ground when activated, distribute water, and retract discreetly when watering is complete. Key features include:

- **Underground Installation:** Designed for seamless integration into your lawn, connecting to a pipe system.
- **Adjustable Watering Range:** Capable of watering areas from 10 to 20 feet.
- **Precise Sector Adjustment:** Offers infinite sector adjustment from 40 to 360 degrees, allowing for tailored watering patterns.
- **Sealed Unit:** Features a special sealed unit to protect internal components from dirt and sand, enhancing durability.







Image: The Gardena 8201-U T100 Turbo Pop-Up Sprinkler in its retracted, underground-ready state.





Image: The Gardena 8201-U T100 Turbo Pop-Up Sprinkler in its extended position, showing the adjustable head and markings for sector and range settings.

## SETUP

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The Gardena 8201-U T100 is designed for permanent underground installation as part of a comprehensive irrigation system. Proper planning and installation are crucial for effective operation.

### 1. Planning Your System

- Determine the optimal placement of sprinklers to ensure complete and even coverage of your desired watering area. Consider the 10 to 20-foot watering range of each T100 sprinkler.
- Map out the pipe system layout, ensuring adequate water pressure and flow to each sprinkler head.

### 2. Trenching and Pipe Installation

- Dig trenches to the appropriate depth for your irrigation pipes, ensuring they are below the frost line in colder climates.
- Install the main and lateral pipes according to your design. Use appropriate fittings and sealants to prevent leaks.

### 3. Sprinkler Head Installation

- Connect the T100 pop-up sprinkler to the lateral pipes using appropriate risers and fittings. Ensure the top of the sprinkler head is flush with the ground level when retracted.
- Backfill the trenches carefully, compacting the soil around the pipes and sprinkler heads to prevent settling.

### 4. Connecting to a Watering Control System (Optional)

For automated watering, integrate your sprinkler system with a Gardena Watering Control unit. This allows for scheduled watering, even in your absence, enhancing convenience and water efficiency.



Image: The Gardena 8201-U T100 Turbo Pop-Up Sprinkler actively watering a green lawn, demonstrating its pop-up functionality.

## OPERATING INSTRUCTIONS

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Once installed, the Gardena 8201-U T100 Turbo Pop-Up Sprinkler operates by water pressure. Its key adjustable features are the watering range and the sector of irrigation.

### 1. Activating the Sprinkler

The sprinkler will pop up and begin watering when water pressure is supplied to the irrigation system. This is typically controlled by a main valve or an automated watering control unit.

### 2. Adjusting the Watering Sector (40-360 degrees)

The T100 allows for infinite adjustment of the watering sector from a narrow 40-degree arc to a full 360-degree circle. To adjust:

- With the sprinkler head extended (under pressure), carefully rotate the top part of the sprinkler head.
- Identify the adjustment points, usually marked with symbols or indicators, to set the start and end points of the desired watering arc.
- Test the adjustment by observing the watering pattern and fine-tune as necessary.

### 3. Adjusting the Watering Range (10-20 feet)

The watering range can be adjusted to cover distances between 10 and 20 feet. To adjust the throw distance:

- Locate the range adjustment screw or lever on the sprinkler head.
- Use a flathead screwdriver or your fingers (depending on the design) to turn the adjustment mechanism. Turning it in one direction will increase the range, while turning it in the other will decrease it.

- Observe the water spray and adjust until the desired coverage distance is achieved.

## MAINTENANCE

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Regular maintenance ensures the longevity and efficient operation of your Gardena T100 Pop-Up Sprinkler.

### 1. Cleaning the Sprinkler Head

- Periodically inspect the sprinkler head for any debris, such as grass clippings, dirt, or sand, which may accumulate around the nozzle or pop-up mechanism.
- Gently wipe away any visible debris. If the nozzle appears clogged, carefully remove it (if detachable) and rinse under running water. Use a small brush or needle to clear stubborn blockages.
- The special sealed unit helps protect against dirt and sand, but external cleaning is still recommended.

### 2. Winterization

In regions with freezing temperatures, it is essential to properly winterize your irrigation system to prevent damage:

- Drain all water from the irrigation pipes and sprinkler heads. This can often be done by opening drain valves or using an air compressor to blow out the lines.
- Ensure no water remains in the sprinkler body, as freezing water can cause cracks and damage.

## TROUBLESHOOTING

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Refer to the following table for common issues and their solutions:

Problem	Possible Cause	Solution
Sprinkler does not pop up or retract fully.	Low water pressure; debris in mechanism; damaged spring.	Check water supply and pressure. Clean debris from around the pop-up stem. If damaged, replacement may be necessary.
Intermittent spray or rotation.	Insufficient water pressure; clogged nozzle; internal obstruction.	Verify adequate water pressure. Clean the nozzle and check for any internal blockages.
Sprinkler gets 'bunged up' or loses pressure over time.	Accumulation of sediment or mineral deposits.	Regularly flush the system. If severe, the sprinkler may need to be excavated and thoroughly cleaned or replaced.
Watering pattern is uneven or misses areas.	Incorrect sector or range adjustment; clogged nozzle.	Re-adjust the watering sector and range settings. Clean the nozzle for even spray distribution.
Sprinkler constantly loses sprinkle length/range.	Internal wear; inconsistent water pressure.	Ensure stable water pressure. If the issue persists, internal components may be worn, suggesting replacement.

## SPECIFICATIONS

Feature	Detail
Brand	Gardena
Model Number	8201-U
Style	Oscillating Pop-Up Sprinkler
Material	Metal, Plastic
Color	Multi-colour
Item Dimensions (L x W x H)	1.97 x 1.97 x 6.69 inches
Item Weight	4.6 ounces
Maximum Flow Rate	610 Liters Per Hour
Watering Range	10 to 20 feet
Sector Adjustment	40 to 360 degrees (infinite)

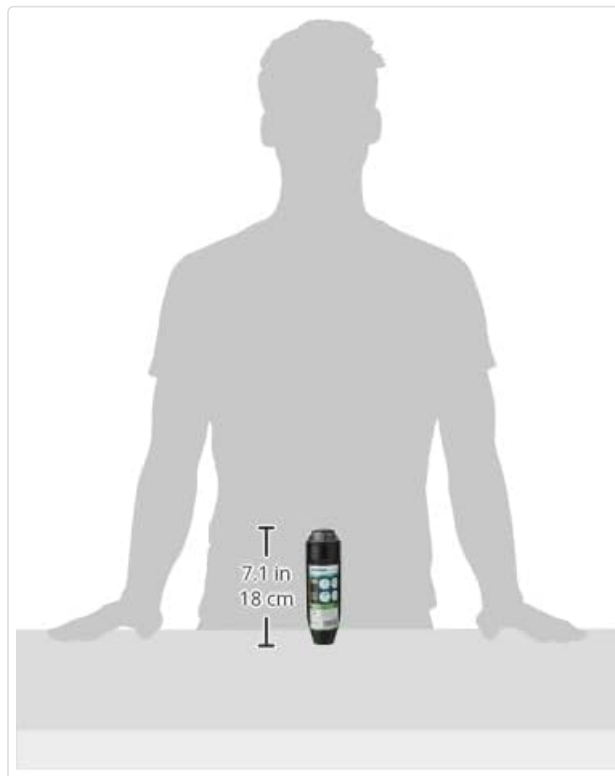


Image: Diagram illustrating the dimensions of the Gardena 8201-U T100 Turbo Pop-Up Sprinkler.

## WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the official Gardena website or contact Gardena customer service directly. Keep your purchase receipt as proof of purchase for any warranty

claims.

You can visit the official Gardena store for more information:[Gardena Store](#)