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› [Gardena](#) /

› [Gardena Sprinkler System Pop-up Sprinkler SD30 Instruction Manual](#)

**Gardena SD30 (08241-20)**

# Gardena Sprinkler System Pop-up Sprinkler SD30 Instruction Manual

Model: SD30 (08241-20)

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Gardena Sprinkler System Pop-up Sprinkler SD30. This pop-up sprinkler is designed for efficient and even irrigation of small lawn areas up to 30 m<sup>2</sup>.

The Gardena SD30 features a 1/2 inch male thread for connection to the Gardena Sprinkler System, utilizing patented Quick & Easy connection technology. Its adjustable throw range and sector settings allow for precise watering tailored to your lawn's specific needs.





**Image 1.1:** The Gardena Pop-up Sprinkler SD30 in its retracted, underground position. The top cap is visible, featuring the Gardena logo and adjustment markings.

## 2. SETUP AND INSTALLATION

The Gardena Pop-up Sprinkler SD30 is designed for underground installation, ensuring it remains discreetly hidden when not in use.

### 2.1 System Requirements

- Compatible with Gardena Sprinkler Systems.
- Requires a 1/2 inch male thread connection.
- Can be combined with Gardena Pop-up Sprinkler SD80 (8243-20) for larger areas.
- Suitable for replacing older Gardena S Sprinklers.

## 2.2 Installation Steps

- 1. Plan Layout:** Determine the optimal placement for the sprinkler to ensure even coverage of your lawn area (up to 30 m<sup>2</sup> per sprinkler). Consider the adjustable throw range of 1.5 to 3 meters and the sector adjustment from 5 to 360 degrees.
- 2. Excavate Trench:** Dig a trench to the required depth for underground installation of the sprinkler system pipes.
- 3. Connect Sprinkler:** Use the patented Quick & Easy connection technology to screw the 1/2 inch male thread of the SD30 onto the Gardena Sprinkler System piping. Ensure a secure and watertight connection.
- 4. Position Sprinkler:** Place the sprinkler so that its top cap is flush with the ground level when retracted.
- 5. Backfill Trench:** Carefully backfill the trench, ensuring the sprinkler remains upright and at the correct height.



**Image 2.1:** Diagram illustrating the Gardena Pop-up Sprinkler SD30, showing its retracted and extended states, along with icons indicating its adjustable range (1.5-3m), adjustable sector (5-360 degrees), and 1/2 inch thread size.



**Image 2.2:** An example of multiple Gardena Pop-up Sprinklers installed in a lawn, demonstrating their discreet integration and effective coverage during operation.

### 3. OPERATING INSTRUCTIONS

The Gardena SD30 offers flexible adjustment options to optimize watering for your specific lawn shape and size.

#### 3.1 Adjusting Throw Range

The throw range of the sprinkler can be adjusted continuously from 1.5 meters to 3 meters. This adjustment is typically made on the top of the sprinkler head using a flathead screwdriver or a similar tool. Refer to the markings on the sprinkler head for precise setting.

#### 3.2 Adjusting Watering Sector

The watering sector, or the angle of spray, can be adjusted continuously from 5 degrees to a full 360 degrees (circular spray). This adjustment is also performed on the sprinkler head, often with a tool-free mechanism. For small lawns, a circular nozzle can be utilized to achieve an accurate spray pattern.

#### 3.3 Water Flow Control

The water supply to the sprinkler can be completely shut off directly at the sprinkler head if a specific area does not require watering, or for maintenance purposes.



**Image 3.1:** A close-up top view of the Gardena Pop-up Sprinkler SD30 head, showing the markings for throw range (1.5-3m) and the SD30 model designation, indicating the adjustment points for spray pattern and distance.





**Image 3.2:** The Gardena Pop-up Sprinkler SD30 in operation, extended above the lawn and distributing water in a fan-like pattern, demonstrating its effective irrigation capabilities.

## 4. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Gardena Pop-up Sprinkler SD30.

### 4.1 Filter Cleaning

The sprinkler features an integral dirt filter designed to protect against debris. Periodically inspect and clean this filter to prevent blockages and maintain consistent spray patterns. A clean filter reduces the frequency of nozzle replacement.

### 4.2 Nozzle Inspection

Check the nozzle for any obstructions or damage. If the spray pattern becomes irregular, the nozzle may need cleaning or replacement. The built-in filter helps minimize nozzle issues.

### 4.3 Winterization

Before the first frost, it is recommended to drain the sprinkler system to prevent damage from freezing water. Consult your Gardena Sprinkler System manual for specific winterization procedures.

## 5. TROUBLESHOOTING

If you encounter issues with your Gardena Pop-up Sprinkler SD30, consider the following common solutions:

- **No Water or Low Pressure:**

Check the main water supply to the system. Ensure all valves are fully open. Inspect the sprinkler's integral dirt filter for blockages and clean if necessary. Verify that the water supply to the individual sprinkler has not been shut off.

- **Irregular Spray Pattern:**

Examine the nozzle for any debris, dirt, or mineral buildup. Clean the nozzle thoroughly. Ensure the sprinkler head is not damaged.

- **Sprinkler Not Retracting:**

Check for dirt or debris around the pop-up stem that might be preventing it from retracting fully. Clean the area around the stem. Ensure there is no external obstruction.

- **Incorrect Watering Area:**

Re-adjust the throw range and watering sector settings on the sprinkler head according to the instructions in Section 3.

If problems persist after attempting these solutions, contact Gardena customer support or a qualified irrigation technician.

## 6. SPECIFICATIONS

Feature	Specification
Brand	Gardena
Model Number	08241-20
Coverage Area	Up to 30 m <sup>2</sup>
Throw Range	1.5 – 3 meters (adjustable)
Watering Sector	5 – 360 degrees (adjustable)
Inlet Connection Size	1/2 inch Male Thread (12.7 mm)
Material	Plastic
Color	Black, Turquoise
Item Dimensions (L x W x H)	2.13 x 2.13 x 6.5 inches (5.4 x 5.4 x 16.5 cm)
Item Weight	3.88 ounces (109 g)
Maximum Pressure	80 PSI



**Image 6.1:** The Gardena Pop-up Sprinkler SD30 shown with its key dimensions: 16.5 cm / 6.5 inches in height and 5.4 cm / 2.1 inches in width, along with its weight of 109 g / 0.24 lbs.

## 7. WARRANTY AND SUPPORT

### 7.1 Warranty Information

Specific warranty details for the Gardena Pop-up Sprinkler SD30 are typically provided with the product packaging or can be found on the official Gardena website. Please retain your proof of purchase for warranty claims.

### 7.2 Customer Support

For further assistance, technical support, or inquiries regarding your Gardena product, please visit the official Gardena website or contact their customer service department. Contact information can usually be found on the product packaging or the Gardena website.

