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## RYOBI RP18170

# RYOBI 18-Volt ONE+ Cordless String Trimmer & Edger User Manual

Brand: RYOBI | Model: RP18170

## 1. INTRODUCTION

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The RYOBI 18-Volt ONE+ Cordless String Trimmer & Edger is designed for efficient lawn care, offering both trimming and edging capabilities. This lightweight tool is powered by an 18-Volt lithium-ion battery, providing a 10-inch cut width and the versatility to rotate the shaft for easy edging. As part of the RYOBI ONE+ system, the battery and tool are compatible with other RYOBI ONE+ products.

### 1.1 General Safety Information

Always read and understand all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

- Wear appropriate personal protective equipment (PPE), including eye protection, long pants, and sturdy footwear.
- Keep children and bystanders away while operating the trimmer.
- Do not operate the trimmer in wet conditions.
- Ensure the battery is fully charged before use.
- Inspect the trimmer for any damage before each use.

## 2. SETUP

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### 2.1 Assembly

This product requires some assembly. Refer to the included assembly guide for detailed instructions on attaching the handle, guard, and other components. Ensure all connections are secure before proceeding.

### 2.2 Battery Installation and Charging

The RYOBI 18-Volt ONE+ Cordless String Trimmer operates with an 18-Volt Lithium-Ion battery. The battery re-charges in approximately one hour.

1. To install the battery, align the battery pack with the port on the trimmer handle and slide it in until it clicks securely into place.
2. To remove the battery, press the release latches on the sides of the battery pack and pull it out.

3. For charging, insert the battery into the compatible RYOBI ONE+ charger. Follow the charger's instructions for proper charging procedures.



Figure 2.2.1: RYOBI 18-Volt ONE+ Lithium-Ion Battery and Charger. The image shows a gray RYOBI ONE+ 18V Lithium-Ion battery pack next to a gray RYOBI IntelliPort battery charger, both essential components for powering the string trimmer.

## 2.3 String Head and Line Installation

The trimmer features an easy-to-use string head for quick line replacement.



Figure 2.3.1: Close-up view of the RYOBI string trimmer head, showing the string spool and protective guard. The blue trimmer line is visible extending from the head.

To install new trimmer line, press the release buttons on the side of the spool housing and remove the cap. Wind

the new line according to the arrows on the spool, ensuring it is properly seated before replacing the cap.

### 3. OPERATING INSTRUCTIONS

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#### 3.1 Starting and Stopping

To start the trimmer, ensure the battery is installed. Press the safety switch located on the handle and then squeeze the trigger. To stop, release the trigger.



Figure 3.1.1: Top-down view of the RYOBI string trimmer's handle, showing the ergonomic grip and the placement of the trigger and safety switch.

#### 3.2 Trimming Function

Hold the trimmer comfortably with both hands. Position the trimmer head parallel to the ground and move it in a sweeping motion to cut grass and weeds. Maintain a safe distance from obstacles and ensure the cutting line does not come into contact with hard surfaces.



Figure 3.2.1: A person demonstrating the use of the RYOBI string trimmer for general lawn trimming, holding the tool comfortably and sweeping across the grass.

### 3.3 Edging Function (EasyEdge™)

The RYOBI trimmer features an EasyEdge™ shaft that rotates 180 degrees, allowing for quick conversion from trimming to edging. This is ideal for creating clean lines along driveways, sidewalks, and flowerbeds.

1. To switch to edging mode, locate the rotation mechanism on the shaft.
2. Rotate the shaft 180 degrees until the trimmer head is perpendicular to the ground.
3. Position the edger wheel along the edge of the surface you wish to trim and guide the tool along the line.



Figure 3.3.1: The RYOBI 18-Volt ONE+ Cordless String Trimmer and Edger shown in its full length, highlighting its design for both trimming and edging tasks.

## 4. MAINTENANCE

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### 4.1 Cleaning

After each use, disconnect the battery and clean the trimmer head and guard to remove grass clippings and debris. Use a damp cloth; do not use harsh chemicals or abrasive cleaners.

### 4.2 Storage

Store the trimmer in a dry, secure location away from direct sunlight and extreme temperatures. Remove the battery before storing for extended periods.

## 5. TROUBLESHOOTING

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Problem	Possible Cause	Solution
Trimmer does not start	Battery not charged or improperly installed.	Ensure battery is fully charged and securely inserted.
Trimmer line not advancing	Line tangled or too short; debris in head.	Clear debris, check line for tangles, or replace line spool.
Reduced cutting performance	Dull or worn line; cutting too much material at once.	Replace line, take smaller passes, or ensure battery is fully charged.

## 6. SPECIFICATIONS

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**Brand:** RYOBI

**Model Number:** RP18170

**Power Source:** Battery Powered (18-Volt Lithium-Ion)

**Cutting Width:** 10 Inches

**Item Weight:** 6 Pounds

**Product Dimensions:** 45"L x 6.6"W

**Assembly Required:** Yes

**UPC:** 046396006271

For further assistance or inquiries, please refer to the official RYOBI support channels or visit their website.  
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