

Stihl RMA 448 PV

STIHL RMA 448 PV Cordless Lawnmower Set User Manual

Model: RMA 448 PV | Includes AP300 Battery & AL300 Charger

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your STIHL RMA 448 PV Cordless Lawnmower Set. Please read this manual thoroughly before first use and keep it for future reference. Proper use and maintenance will ensure the longevity and optimal performance of your equipment.

2. SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent personal injury and damage to the equipment.

- Read all instructions before operating the lawnmower.
- Wear appropriate personal protective equipment (PPE), including eye protection, sturdy footwear, and long trousers.
- Keep bystanders, especially children and pets, away from the mowing area.
- Inspect the area to be mowed and remove any objects that could be thrown by the blade.
- Do not operate the mower in wet grass or rain.
- Always remove the battery before cleaning, adjusting, or performing maintenance on the mower.
- Never lift or carry the mower while the motor is running.
- Use only original STIHL batteries and chargers.

3. COMPONENTS OVERVIEW

Familiarize yourself with the main components of your STIHL RMA 448 PV Cordless Lawnmower Set.



Image 1: The complete STIHL RMA 448 PV Cordless Lawnmower Set, showing the lawnmower, the AP300 battery, and the AL300 charger. The mower features an orange body with white and black accents, a foldable handle, and a grass collection box at the rear. The battery is black and orange, and the charger is orange.

- **Lawnmower Unit:** Main body with motor, blade, and wheels.
- **Handlebar:** Foldable for storage, with controls.
- **Grass Catcher:** Collects mowed grass.
- **AP300 Battery:** Rechargeable power source.
- **AL300 Charger:** For charging the AP300 battery.
- **Cutting Height Adjustment Lever:** For setting desired cutting height.

4. SETUP

4.1 Unpacking

Carefully remove all components from the packaging. Check for any signs of damage during transit. Retain

packaging for potential future transport or storage.

4.2 Handle Assembly

1. Unfold the handlebar sections.
2. Secure the lower handlebar to the mower body using the provided fasteners.
3. Attach the upper handlebar to the lower section, ensuring all cables are routed correctly and not pinched.
4. Tighten all quick-release levers or knobs to secure the handle firmly.

4.3 Grass Catcher Assembly

Assemble the grass catcher according to the instructions provided with the catcher itself. Once assembled, lift the rear discharge flap of the mower and hook the grass catcher onto the designated points.

4.4 Battery Charging

1. Connect the AL300 charger to a suitable power outlet.
2. Slide the AP300 battery into the charger until it clicks into place.
3. The charging indicator lights on the battery and/or charger will illuminate to show charging status.
4. Once fully charged, remove the battery from the charger.

5. OPERATING

5.1 Battery Insertion and Removal

- **Insertion:** Open the battery compartment cover. Slide the charged AP300 battery into the compartment until it locks securely. Close the cover.
- **Removal:** Open the battery compartment cover. Press the battery release button(s) and slide the battery out.

5.2 Adjusting Cutting Height



Image 2: The STIHL RMA 448 PV Cordless Lawnmower without the battery or charger. This view highlights the main body, wheels, and the handle assembly. The orange and white color scheme is prominent, and the cutting deck is visible underneath. The STIHL RMA 448 PV offers 6 cutting height positions. To adjust, locate the cutting height adjustment lever on the side of the mower. Pull the lever outwards and move it to the desired height setting. Ensure all wheels are at the same height setting.

5.3 Starting and Stopping the Mower

- **Starting:** Ensure the battery is inserted. Press and hold the safety button, then pull the bail lever towards the handlebar. The motor will start.
- **Stopping:** Release the bail lever. The motor will stop.

5.4 Mowing Techniques

For best results, mow in straight, overlapping lines. Avoid overloading the mower by cutting excessively long or wet

grass. For very tall grass, consider raising the cutting height for the first pass and then lowering it for a second pass.

5.5 Emptying the Grass Catcher

Monitor the grass catcher's fill level. When full, release the grass catcher from the mower, empty its contents, and reattach it securely.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your lawnmower.

- **Cleaning:** After each use, remove the battery and clean the mower deck, blade, and wheels. Use a brush or damp cloth. Do not use high-pressure water or harsh chemicals.
- **Blade Care:** Regularly inspect the blade for sharpness and damage. A dull or damaged blade can lead to poor cutting performance and excessive vibration. Blade sharpening or replacement should be performed by a qualified service technician.
- **Battery Care:** Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures. Do not allow the battery to fully discharge for extended periods. Charge the battery periodically if not in use.
- **Storage:** Clean the mower thoroughly before long-term storage. Fold the handlebar to save space. Store in a dry, secure location, out of reach of children.

7. TROUBLESHOOTING

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Mower does not start	Battery not inserted correctly or discharged	Ensure battery is fully inserted and charged
Mower stops during operation	Overload protection activated / Battery low	Reduce load (raise cutting height), check battery charge
Poor cutting performance	Dull or damaged blade / Cutting height too low	Inspect/replace blade, adjust cutting height
Excessive vibration	Damaged or unbalanced blade	Inspect blade for damage, seek professional service

8. SPECIFICATIONS

Feature	Specification
Model	RMA 448 PV
Power Source	Battery-powered (Lithium-ion)
Battery Type	STIHL AP300
Charger Type	STIHL AL300
Cutting Width	46 cm (18.1 inches)

Feature	Specification
Cutting Height Positions	6
Operating Mode	Automatic
Item Weight	24 kg (52.9 lbs)
UPC	886661566082

9. WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your product or visit the official STIHL website. For technical support, spare parts, or service, please contact your authorized STIHL dealer or customer service. Always provide the model number (RMA 448 PV) and serial number when seeking support. You can find more information and contact details on the official STIHL website www.stihl.com
