

AIWEIYA AWY-550

AIWEIYA AWY-550 Remote Control Crawler Track Mower with Snow Plow User Manual

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your AIWEIYA AWY-550 Remote Control Crawler Track Mower with Snow Plow. Please read this manual thoroughly before operating the machine to ensure proper usage and to prevent injury or damage.

The AIWEIYA AWY-550 is a versatile oil-electric hybrid crawler track mower designed for professional landscape and estate management. It features remote control operation, adjustable cutting height, and a snow plow attachment for year-round utility.

2. PRODUCT OVERVIEW

The AIWEIYA AWY-550 combines robust construction with advanced remote control technology to tackle challenging terrains and tasks. Its crawler track design provides superior traction on slopes up to 45 degrees, while the oil-electric hybrid system ensures powerful and efficient performance.

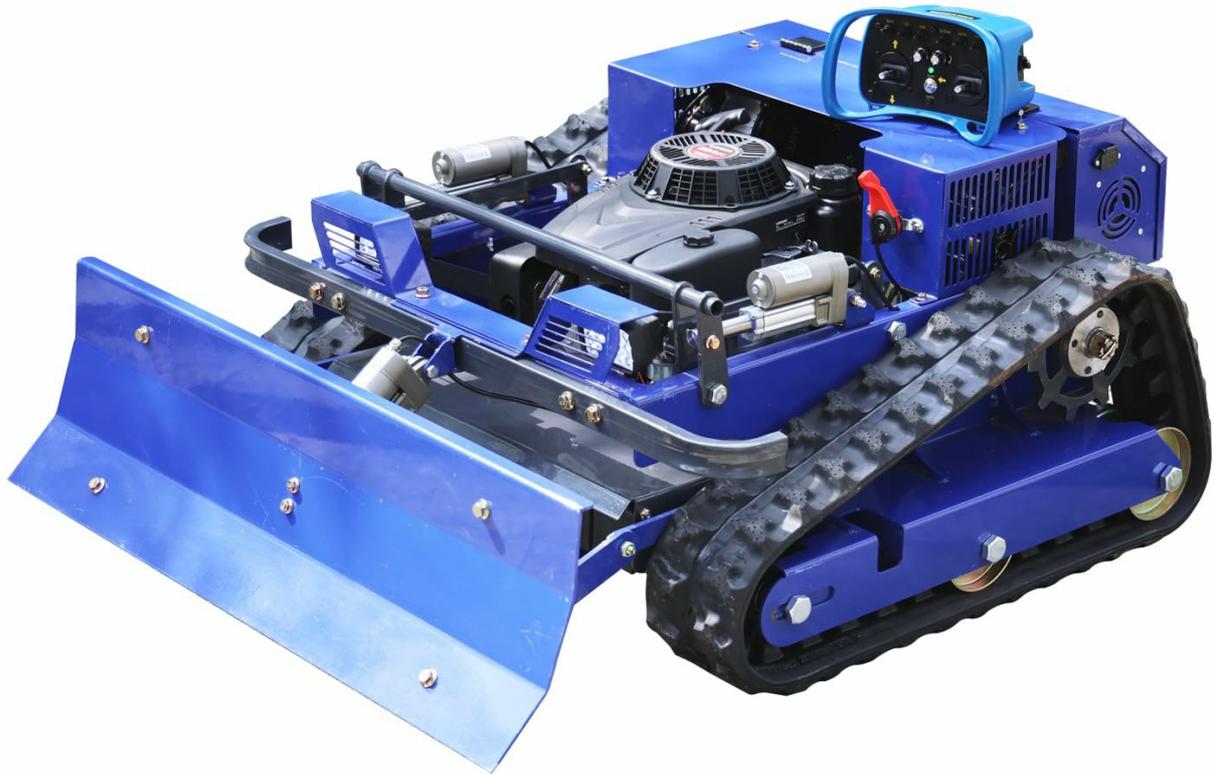


Figure 2.1: AIWEIYA AWY-550 Remote Control Crawler Track Mower with Snow Plow.

Key Features:

- **Adjustable Mowing Height:** Remote-controlled cutting height from 1.1 to 5.9 inches.
- **4WD Crawler Tracks:** Provides excellent traction on various terrains, including slopes up to 45 degrees.
- **Oil-Electric Hybrid System:** Combines gasoline engine power with electric drive for efficiency.
- **Snow Plow Attachment:** Integrated snow plow for winter utility.
- **Brushless Motor:** 1600W 24V permanent magnet drive motor for optimal power and lifespan.
- **Industrial Remote Control:** Intuitive controls for precise maneuvering and feature activation.

Specifications:

Specification	Value
Brand	AIWEIYA
Model Number	AWY-550

Power Source	Gasoline Engine
Material	Alloy Steel, Plastic
Item Weight	286 Pounds
Cutting Width	21.6 Inches
Operation Mode	Remote Control
Product Dimensions	38.5"D x 22"W x 36"H
Minimum Adjustable Cutting Height	1.1 Inches
Maximum Adjustable Cutting Height	5.9 Inches

3. SETUP

3.1 Unboxing and Initial Assembly

Upon receiving your AIWEIYA AWY-550, carefully open the wooden crate and remove the mower. The snow plow attachment may require assembly.

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Video 3.1: Snow Plow Installation Tutorial. This video demonstrates the process of installing the snow plow attachment onto the AIWEIYA AWY-550 mower.

Snow Plow Installation Steps:

1. Remove the shovel body first.
2. Unscrew the screws on the shovel body.
3. Attach the upper bracket, paying attention to the correct installation direction of the shovel body and bracket.
4. Connect the body by removing the body connecting screws.
5. Join the product components.
6. Connect the intermediate hydraulic rod.
7. **Precaution:** Do not overtighten the screws at the connection between the shovel body and the main body. All other screws should be tightened securely.

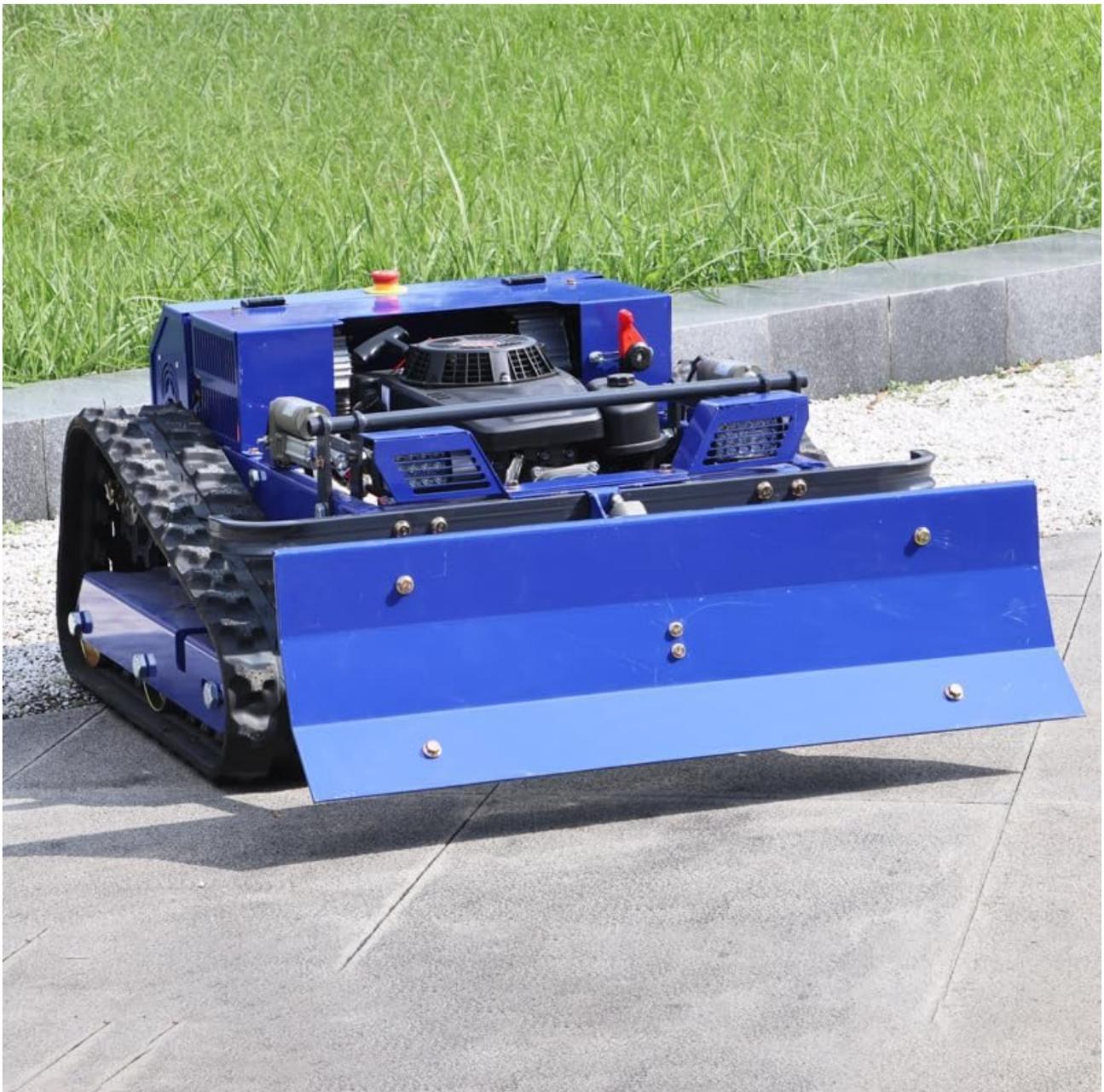


Figure 3.1: The AIWEIYA AWY-550 mower with the snow plow attachment installed.

3.2 Battery Charging

Before initial use, fully charge the battery. Locate the charging port on the machine and connect the provided charger. Ensure the battery is fully charged before turning on the machine.

3.3 Fueling

Open the gasoline cap and carefully pour in gasoline. Use the recommended fuel type as specified in the engine manual (typically unleaded gasoline). Do not overfill.

4. OPERATING INSTRUCTIONS

4.1 Starting the Mower

1. Unscrew the screws and open the rear cover to access the internal components.
2. Turn on the air start switch located inside the machine.
3. Close the rear cover securely.

4. Release the emergency stop switch on the machine (if engaged).
5. Turn on the remote control switch.
6. Short press the middle 'Power' button on the remote control for three seconds to activate it.
7. Use the remote control to start the engine.

4.2 Remote Control Overview

The industrial remote control provides precise command over the mower's functions. Familiarize yourself with the layout and functions of each button and joystick.

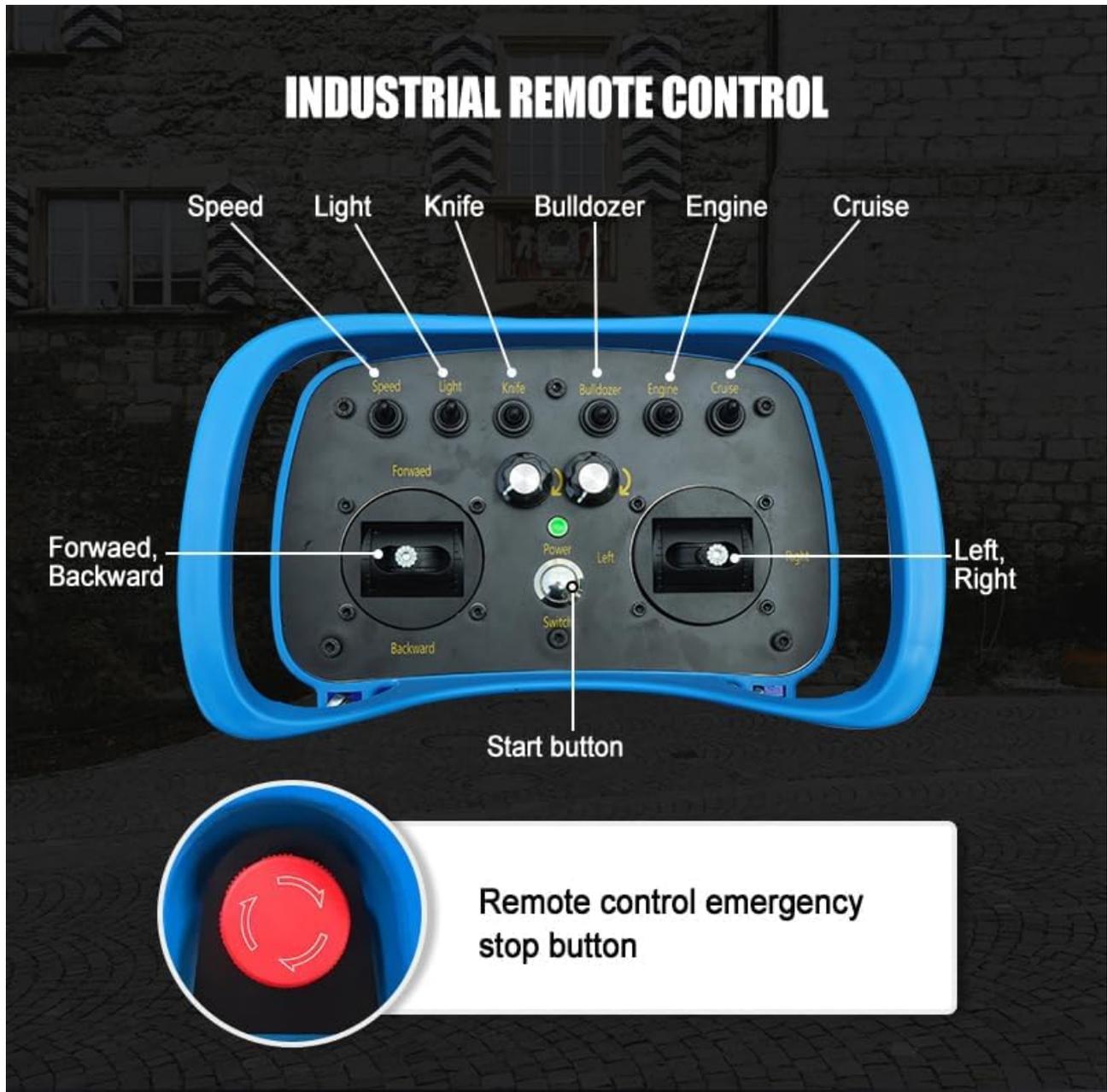


Figure 4.1: Diagram of the AIWEIYA AWY-550 Industrial Remote Control, showing controls for speed, lights, knife (blade), bulldozer (snow plow), engine, cruise, forward/backward, and left/right movement.

4.3 Basic Movement

- **Forward/Backward:** Use the left joystick to move the mower forward or backward.
- **Turning:** Use the right joystick to turn the mower left or right. The mower can perform 360-degree rotations.

4.4 Adjusting Cutting Height

Use the 'Knife' control on the remote to raise or lower the mowing blade to achieve the desired cutting height (1.1 to 5.9 inches).

4.5 Operating the Snow Plow

Use the 'Bulldozer' control on the remote to raise or lower the snow plow attachment. This allows for efficient snow removal or pushing debris.

4.6 Safety Features

The remote control includes an emergency stop button (red button) for immediate shutdown of the mower in hazardous situations. Always ensure this button is accessible and functional.

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Video 4.1: Remote Control Lawn Mower Operation. This video demonstrates the basic operational controls of the AIWEIYA AWY-550, including movement, blade adjustment, and snow plow control.

5. MAINTENANCE

Regular maintenance is crucial for the longevity and optimal performance of your AIWEIYA AWY-550 mower.

5.1 Blade Replacement

Periodically inspect the mowing blades for sharpness and damage. Replace dull or damaged blades to ensure a clean and efficient cut.

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Video 5.1: Lawn Mower Blade Replacement. This video illustrates the steps involved in replacing the blades on the AIWEIYA AWY-550 mower.

5.2 Engine Maintenance

- **Oil Changes:** Regularly check and change the engine oil according to the manufacturer's recommendations. Refer to the engine manual for specific oil types and intervals.
- **Air Filter:** Clean or replace the air filter as needed to ensure proper engine performance and prevent dust ingress.
- **Spark Plug:** Inspect and replace the spark plug periodically.

5.3 General Cleaning

After each use, clean the mower body, tracks, and cutting deck to remove grass clippings, dirt, and debris. This prevents buildup and corrosion.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your AIWEIYA AWY-550 mower.

Problem	Possible Cause	Solution
Engine runs out of fuel quickly	Small fuel tank capacity	Refuel more frequently (approx. every 15-20 minutes of use). Consider carrying extra fuel for extended operation.
Engine stalls on steep slopes	Carburetor orientation, engine oil flow issues	Operate perpendicular to the slope. Keep the carburetor on the uphill side of the slope to prevent oil from choking the engine.

Mower rips up grass on turns	Abrupt turns with heavy unit/tracks	Avoid abrupt turns, especially on delicate lawns. Execute turns smoothly to minimize turf damage.
Mower stops when hitting thick saplings	Overload on cutting mechanism	The mower is not designed for saplings thicker than 1.5 inches. Clear such obstacles manually before mowing.

7. WARRANTY AND SUPPORT

AIWEIYA provides comprehensive after-sales service. For warranty information, technical support, or to inquire about parts, please contact our professional sales and maintenance teams. Our goal is to maximize equipment performance and ensure customer satisfaction.

For further assistance, please refer to the contact information provided at the point of purchase or visit the official AIWEIYA website.