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AIWEIYA AWY-550

AIWEIYA AWY-550 Remote Control Lawn Mower User Manual

Model: AWY-550

1. INTRODUCTION

Thank you for choosing the AIWEIYA AWY-550 Remote Control Lawn Mower. This oil-electric hybrid, four-wheel drive crawler mower is designed for efficient lawn mowing and weed whacking across various terrains, including slopes and rough areas. This manual provides essential information for the safe operation, maintenance, and troubleshooting of your new equipment. Please read it thoroughly before use to ensure optimal performance and longevity of the product.

2. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions could result in serious injury or death.

- Always operate the mower from a safe distance using the remote control.
- Ensure no persons, especially children or pets, are within the operating area of the mower.
- Wear appropriate personal protective equipment (PPE), including eye protection, hearing protection, and sturdy footwear.
- Inspect the mowing area for debris, rocks, or other objects that could be thrown by the blades before operation.
- Do not operate the mower on excessively steep slopes beyond its rated gradeability (45 degrees).
- Turn off the engine and disconnect the spark plug wire before performing any maintenance or clearing blockages.
- Refuel in a well-ventilated area with the engine off and cool. Avoid spilling fuel.
- Store the mower in a secure location, away from flammable materials and out of reach of children.

3. PRODUCT OVERVIEW

The AIWEIYA AWY-550 is a robust remote-controlled lawn mower designed for challenging terrains. Familiarize yourself with its key components.



Front view of the AIWEIYA AWY-550 Remote Control Lawn Mower, showcasing its robust design and remote control unit.



Side view of the mower, highlighting the control panel and emergency stop button.



Detailed front view, showing the cutting deck and protective bar.



Close-up of the RATO 7.0 engine, the power source for the mower.



The main control panel featuring the voltmeter, lighting switch, and engine start key.



The linear actuator responsible for remote cutting height adjustment.

4. SETUP

4.1 Unpacking and Initial Inspection

1. Carefully remove the mower and all accessories from the packaging.
2. Inspect the unit for any signs of shipping damage. Contact your dealer immediately if damage is found.
3. Ensure all components listed in the packing list are present.

4.2 Fuel and Oil

- Fill the fuel tank with unleaded gasoline. The fuel tank capacity is 1.2 liters.
- Check the engine oil level and fill with recommended engine oil (0.6 liters capacity). Refer to the engine manual for specific oil type.
- *Important: Do not overfill fuel or oil.*

4.3 Remote Control Preparation

- Install batteries into the remote control unit.
- Ensure the remote control is paired with the mower according to the remote control's specific instructions.

5. OPERATING INSTRUCTIONS

5.1 Starting the Mower

1. Ensure the mower is on a flat, stable surface.
2. Turn the main power switch on the mower to the 'ON' position.
3. Insert the key and turn it to the 'START' position to ignite the engine.
4. Once the engine is running, allow it to warm up for a few moments.

5.2 Remote Control Operation

The remote control allows for precise maneuvering and cutting height adjustment.

- Use the joysticks to control forward, reverse, and turning movements. The mower can perform 360-degree rotations.
- Utilize the dedicated buttons or levers on the remote to adjust the cutting height. The height can be adjusted from 1.1 inches to 5.9 inches.
- Maintain a clear line of sight to the mower during operation.

5.3 Mowing Techniques

- For optimal cutting, operate the mower at a steady pace (walking speed up to 4 KM/H).
- When mowing on slopes, it is recommended to cut perpendicular to the slope to maintain stability and prevent engine oil issues.
- Avoid abrupt turns on soft ground to prevent turf damage.
- The mower is designed for heavy brush and grass. Avoid attempting to cut saplings thicker than 1.5 inches.



The mower effectively cutting grass in a typical lawn environment.



Demonstration of the mower's capability on varied terrain, including slight inclines.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your AIWEIYA AWY-550.

6.1 After Each Use

- Clean the cutting deck and blades to remove grass clippings and debris.
- Inspect blades for sharpness and damage. Replace or sharpen as needed.
- Check for loose fasteners and tighten if necessary.

6.2 Engine Maintenance

- Regularly check and maintain engine oil levels. Change oil according to engine manufacturer's recommendations.

- Clean or replace the air filter as needed, especially in dusty conditions.
- Inspect the spark plug and replace if worn.

6.3 Storage

- For long-term storage, drain the fuel tank or use a fuel stabilizer.
- Clean the mower thoroughly and store it in a dry, protected area.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your mower.

Problem	Possible Cause	Solution
Engine does not start	No fuel; old fuel; spark plug issue; battery low (for electric start)	Check fuel level; replace with fresh fuel; inspect/replace spark plug; charge battery.
Mower loses power or sputters	Low fuel; clogged air filter; engine oil issue on steep slopes	Refuel; clean/replace air filter; adjust mowing path on slopes to keep carburetor uphill.
Uneven cut	Dull or damaged blades; incorrect cutting height setting	Sharpen or replace blades; adjust cutting height evenly.
Remote control not responding	Remote control batteries low; out of range; pairing issue	Replace batteries; move closer to mower; re-pair remote control.
Mower stops unexpectedly	Overload (e.g., thick sapling); safety switch activated; low fuel	Clear obstruction; check safety switches; refuel.

8. SPECIFICATIONS

Detailed technical specifications for the AIWEIYA AWY-550 Remote Control Lawn Mower.

Specification	Value
Model	AWY-550
Brand	AIWEIYA
Power Source	Gasoline Engine
Material	Alloy Steel, Plastic
Color	blue
Item Weight	286 Pounds (130 kg)

Specification	Value
Cutting Width	21.6 Inches (550 mm)
Operation Mode	Remote Control
Product Dimensions (L x W x H)	38.5"D x 22"W x 36"H (978 x 559 x 914 mm)
Maximum Adjustable Cutting Height	5.9 Inches (150 mm)
Minimum Adjustable Cutting Height	1.1 Inches (28 mm)
Walking Speed	4 KM/H
Gradeability	45°
Horsepower	RV225 (approx. 7 HP)
Fuel Tank Capacity	1.2 Liters
Oil Capacity	0.6 Liters
Mowing Efficiency	1500 M ² /H

Note: Dimensions and weights are approximate and may vary slightly.

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided at the time of purchase or contact AIWEIYA customer service. Our professional sales and maintenance teams are committed to maximizing equipment performance and are available for consultation and after-sales support.

You can also visit the official AIWEIYA store for more information: [AIWEIYA Store on Amazon](#)