

[Manuals.plus](#) /

> [AIWEIYA](#) /

> AIWEIYA AWY-550C Remote Control Oil-Electric Hybrid Crawler Track Mower User Manual

AIWEIYA AWY-550C

AIWEIYA AWY-550C Remote Control Oil-Electric Hybrid Crawler Track Mower User Manual

Model: AWY-550C

INTRODUCTION

Thank you for choosing the AIWEIYA AWY-550C Remote Control Oil-Electric Hybrid Crawler Track Mower. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new equipment. Please read this manual thoroughly before operating the mower and retain it for future reference. The AWY-550C is designed for professional landscape and estate mowing, featuring a robust oil-electric hybrid system, crawler tracks for superior traction, and remote control for convenient operation on various terrains, including slopes up to 45 degrees.

SAFETY INSTRUCTIONS

Always prioritize safety when operating the AIWEIYA AWY-550C mower. Failure to follow these instructions may result in serious injury or damage to the equipment.

- **Read the Manual:** Ensure you understand all operating and safety instructions before use.
- **Operator Awareness:** Only trained individuals familiar with the mower's operation should use it. Keep children and bystanders away from the operating area.
- **Personal Protective Equipment (PPE):** Wear appropriate safety gear, including eye protection, hearing protection, sturdy footwear, and long pants.
- **Pre-Operation Check:** Before each use, inspect the mower for any damage, loose parts, or obstructions. Ensure blades are sharp and securely fastened.
- **Slope Operation:** The mower is capable of operating on slopes up to 45 degrees. Exercise extreme caution on inclines. Always operate the mower from a safe distance using the remote control.
- **Emergency Stop:** Familiarize yourself with the location and function of the emergency stop button on both the mower and the remote control.
- **Fuel Handling:** Handle fuel in a well-ventilated area, away from open flames or sparks. Do not refuel while the

engine is running or hot.

- **Blade Safety:** Never attempt to clear debris from the cutting deck or adjust blades while the engine is running. Disconnect the spark plug wire before performing any maintenance.
- **Environmental Conditions:** Avoid operating the mower in wet grass, poor visibility, or adverse weather conditions.

SETUP AND INITIAL PREPARATION

The AIWEIYA AWY-550C is designed for minimal assembly. Follow these steps for initial preparation:

1. **Unpacking:** Carefully remove the mower from its packaging. Inspect for any shipping damage.
2. **Fueling:** Fill the fuel tank with unleaded gasoline. Refer to the engine manual for specific fuel requirements. The fuel tank capacity is 1.2L.
3. **Oil Check:** Check the engine oil level and fill as necessary. The oil capacity is 0.6L. Use the recommended engine oil type.
4. **Remote Control Charging:** Ensure the remote control is fully charged using the provided USB Type-C cable. The remote control features a built-in battery level indicator.
5. **Initial Inspection:** Verify all bolts and fasteners are tight. Ensure the cutting blades are securely installed and free from obstructions.



Image: The AIWEIYA AWY-550C Remote Control Lawn Mower, ready for operation.

OPERATING INSTRUCTIONS

The AWY-550C is operated via an industrial-grade remote control, offering precise command over the mower's functions.

Remote Control Functions

INDUSTRIAL REMOTE CONTROL

- ✓ Rechargeable models with USB Type-C charging and built-in battery level indicator
- ✓ Fully designed and developed by AWY, featuring the AWY logo
- ✓ Long-range transmission with strong anti-interference and high signal sensitivity

REMOTE CONTROL
DISTANCE
500M



Image: The industrial remote control for the AIWEIYA AWY-550C, showing various controls and indicators.

- **Power On/Off:** Use the designated button to power on the remote control and the mower.
- **Engine Start/Stop:** The remote control allows for remote start and stop of the engine.
- **Movement Controls:** Joysticks or directional buttons control forward, backward, left, and right movement. The mower can perform 360-degree rotation.
- **Cutting Height Adjustment:** Adjust the cutting height remotely from 20-150mm (approximately 0.79-5.9 inches) to suit different grass types and desired lawn finishes. The chassis height can be raised or lowered.
- **Blade Engagement:** Engage and disengage the cutting blades as needed.
- **Emergency Stop:** A prominent emergency stop button is located on the remote control for immediate shutdown.
- **Battery Level Display:** Monitor the remote control's battery level to ensure uninterrupted operation.

Mowing Procedure

1. **Start the Engine:** Ensure the mower is in a safe, clear area. Use the remote control to start the engine.

2. **Engage Blades:** Once the engine is running, engage the cutting blades.
3. **Mow Systematically:** Guide the mower using the remote control. For best results, mow in overlapping passes. The two-piece manganese blade ensures a precise cut.
4. **Adjust Cutting Height:** Adjust the cutting height as you encounter different grass lengths or terrain.
5. **Slope Operation:** The crawler tracks provide excellent traction on slopes up to 45 degrees. Maintain a safe distance and observe the mower's stability. The electronic parking brake assists with reliable stops on inclines.
6. **Finish Mowing:** When finished, disengage the blades, then turn off the engine using the remote control.

Your browser does not support the video tag.

Video: Demonstration of the AIWEIYA Remote Control Lawn Mower in operation, showcasing its movement and cutting capabilities.



Image: The AIWEIYA AWY-550C mower demonstrating its capability on a steep incline, highlighting its stability and traction on slopes up to 45 degrees.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your AIWEIYA AWY-550C mower. Always turn off the engine and disconnect the spark plug wire before performing any maintenance.

- **Blade Inspection and Sharpening:** Regularly inspect the manganese blades for sharpness and damage. Sharpen or replace blades as needed to maintain cutting efficiency.
- **Engine Oil:** Check the engine oil level before each use and change it according to the engine manufacturer's recommendations. The oil capacity is 0.6L.
- **Air Filter:** Clean or replace the air filter regularly, especially when operating in dusty conditions, to ensure proper engine performance.
- **Spark Plug:** Inspect and clean the spark plug periodically. Replace it if it is fouled or worn.
- **Fuel System:** Ensure the fuel tank and lines are free of debris. Use fresh fuel. The fuel tank capacity is 1.2L.
- **Track Inspection:** Inspect the rubber tracks for wear, damage, or debris accumulation. Clean the tracks and undercarriage after each use.
- **General Cleaning:** Keep the mower clean, especially the engine cooling fins and cutting deck, to prevent overheating and ensure efficient operation.
- **Fastener Check:** Periodically check all nuts, bolts, and screws for tightness and tighten as necessary.

OUTSTANDING DETAILS

ACHIEVE AN OUTSTANDING USER EXPERIENCE



01

ENGINE

The lawn mower is equipped with a LONCIN gasoline engine, delivering powerful and efficient performance.



02

ALLOY BLADE

Alloy blades undergo anti-rust quenching treatment, featuring high hardness, excellent wear resistance, strong cutting power and high mowing efficiency.

03

THICKENED TRACK

Equipped with triangular thickened track and steel-cast walking wheels, it features strong grip, is anti-skid and wear-resistant, and has a long service life.



04

EMERGENCY STOP

Equipped with automatic start-stop function, it can start and stop smoothly on slopes.



Image: Detailed view of the AIWEIYA AWY-550C engine, alloy blade, thickened track, and emergency stop button, highlighting key maintenance areas.

TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your AWY-550C mower.

Problem	Possible Cause	Solution
Engine does not start or stops unexpectedly.	- No fuel or stale fuel. - Spark plug faulty or dirty. - Air filter clogged. - Emergency stop engaged. - Inline breaker tripped.	- Fill with fresh fuel. - Clean or replace spark plug. - Clean or replace air filter. - Disengage emergency stop. - Check and reset the inline breaker.

Problem	Possible Cause	Solution
Mower loses power or one track stops.	◦ Low engine oil. ◦ Engine battery low (if operating without engine running). ◦ Overheating.	◦ Check and add engine oil. ◦ Start the engine to recharge the battery. ◦ Allow the mower to cool down. Check for obstructions around the engine.
Poor cutting performance.	◦ Dull or damaged blades. ◦ Cutting height too low for grass type. ◦ Engine speed too low.	◦ Sharpen or replace blades. ◦ Adjust cutting height. ◦ Increase engine speed.

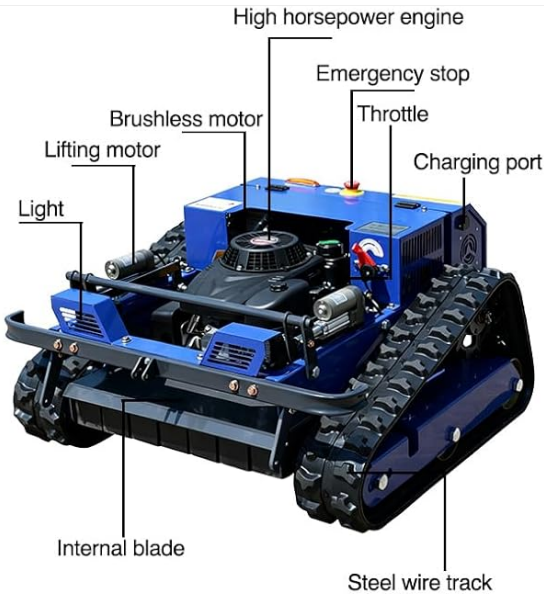
If you encounter issues not listed here or if the problem persists after attempting the suggested solutions, please contact AIWEIYA customer support.

SPECIFICATIONS

Feature	Detail
Brand	AIWEIYA
Model Number	AWY-550C
Power Source	Oil-Electric Hybrid
Material	Iron
Color	Blue
Overall Size (D x W x H)	960 x 930 x 560 mm (approx. 37.8 x 36.6 x 22 inches)
Item Weight	150 kg (approx. 330 lbs)
Cutting Width	550 mm (approx. 21.65 inches)
Cutting Height Range	20-150 mm (approx. 0.79-5.9 inches)
Operation Mode	Automatic (Remote Control)
Engine Brand	Loncin 224cc
Walking Motor Power	1600W 24V Brushless (750W*2)
Fuel Tank Capacity	1.2 Liters
Oil Capacity	0.6 Liters
Fuel Consumption	1.2 Liters/Hour
Gradeability	45° (100% Slope)
Walking Speed	4 KM/H (approx. 2.5 mph)

Feature	Detail
Mowing Efficiency	1500 M²/Hour

Note: All specifications are approximate and subject to change without notice.



AWY-550

Cutting Width	550mm
Cutting Height	20-150mm
Engine Brand	Loncin 224cc

AWY-550 LAWN MOWER	
Model	AWY-550
Overall Size	960*930*560MM
Package Size	1000*980*710MM
Total Weight	150KG
Package Weight	185KG
Cutting Width	550MM
Cutting Height	20-150MM
Starting Method	Remote start and stop
Walking Speed	4KM/H
Gradeability	45°
Walking Motor	750W*2
Engine Brand	LONCIN
Power	224CC
Fuel Tank Capacity	1.2L
Oil Capacity	0.6L
Fuel Consumption	1.2L/H
Track Width	150MM
Mowing Efficiency	1500M²/H
Lifting Method	Remote control lift
Lighting	Remote control light

Note: This is a customized product. The above parameters are for reference only.,Please contact us for the actual product specifications and specific parameters.

Image: Diagram showing key components and detailed specifications of the AWY-550C mower.

WARRANTY AND SUPPORT

AIWEIYA is committed to providing high-quality products and excellent customer service. Your AWY-550C mower comes with comprehensive after-sales support.

- **After-Sales Service:** Our professional sales and maintenance teams are available to provide consultation and support, ensuring maximum equipment performance.
- **Technical Assistance:** For any technical questions, operational guidance, or troubleshooting assistance,

please contact AIWEIYA customer support.

- **Parts and Repairs:** In case of a need for replacement parts or repairs, contact our support team for genuine AIWEIYA parts and authorized service.

For specific warranty terms and conditions, please refer to the documentation provided with your purchase or contact AIWEIYA customer service directly.

© 2026 AIWEIYA. All rights reserved.

For more information, visit the [AIWEIYA Store](#).