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› ADVOK /

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ADVOK AD-550

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Model: AD-550

1. INTRODUCTION

The ADVOK AD-550 is an automatic remote-controlled lawn mower designed for efficient and flexible operation across various terrains. This oil-electric hybrid crawler mower combines powerful cutting capabilities with advanced remote control features to simplify lawn and weed management.

Key features include simple one-button start, low noise operation, and durable construction with sharp, wear-resistant blades for rapid cutting. Its wireless remote control offers unrestricted maneuverability, allowing for precise control in challenging environments.



Figure 1: The ADVOK AD-550 Remote Control Crawler Lawn Mower from a top-down perspective, highlighting its red chassis, crawler tracks, and the remote control unit.

2. SETUP

2.1 Unpacking and Initial Inspection

Carefully remove the mower from its packaging. Inspect the unit for any signs of damage during transit. Ensure all components, including the remote control, are present.



Figure 2: The ADVOK AD-550 Remote Control Crawler Lawn Mower securely packaged on a wooden pallet.

2.2 Fuel and Oil

The mower is powered by a four-stroke gasoline engine. Fill the fuel tank with 92# gasoline and ensure the engine oil level is correct before first use. Refer to the engine manual for specific oil type and capacity.

2.3 Battery Charging

The mower includes two 12V12Ah batteries. While the engine's generator charges the batteries during operation, ensure they are fully charged before initial use for optimal performance.

2.4 Remote Control Preparation

Install batteries into the remote control unit. Power on the remote control and the mower. Follow the pairing instructions in the remote control manual if the units do not connect automatically.

3. OPERATING INSTRUCTIONS

3.1 Starting the Mower

Ensure the mower is on a level surface and clear of obstacles. Press the 'Power' button on the rear control panel, then the 'Start' button. The mower features a one-button start for ease of use.



Figure 3: A close-up view of the rear control panel of the ADVOK AD-550, showing the power indicator, lighting switch, fault indication light, stop button, start button, and power switch.

3.2 Remote Control Operation

The remote control allows for precise movement and blade height adjustment. The maximum operating distance is approximately 680 meters (2,231 feet).

- **Movement:** Use the joysticks to control forward, backward, and turning movements. The mower can perform 360-degree rotations in place for flexible maneuvering around obstacles.
- **Blade Height Adjustment:** Adjust the cutting height remotely from 10mm to 180mm (approximately 0.4 to 7 inches) to suit different grass lengths and terrain conditions.
- **Cruise Control:** Engage cruise control for consistent speed during long straight passes, requiring only fine-tuning of direction.

Remote control operation is flexible and free to rotate 360° in place



Figure 4: This image highlights the mower's capability for 360-degree rotation in place, illustrating its flexible maneuverability for efficient cutting around obstacles.

3.3 Mowing Capabilities

The ADVOK AD-550 is designed for all-terrain use, including grass, yards, reeds, grasslands, hills, terraces, and orchards. It can handle slopes up to 60 degrees and effectively cuts and mulches high and thick grass.

Your browser does not support the video tag.

Video 1: This video demonstrates the ADVOK remote-controlled lawn mower's capabilities across various terrains, showcasing its powerful engine, remote control features, and efficiency in cutting and crushing grass. It also highlights its ability to handle slopes and operate around obstacles.

Your browser does not support the video tag.

Video 2: A brief video clip showing the ADVOK remote control crawler lawn mower efficiently cutting grass in a park-like setting, demonstrating its basic mowing function.

3.4 Optional Front Shovel Attachment

A customizable front shovel can be added to the mower. This attachment allows for blade protection when encountering large rocks or tree stumps and can also be used for snow removal in winter. The height of the

front shovel is remotely adjustable.

4. MAINTENANCE

4.1 Engine Maintenance

Regularly check and change the engine oil according to the manufacturer's recommendations. Inspect and clean or replace the air filter. Ensure spark plugs are in good condition.

4.2 Blade Care

Periodically inspect the cutting blades for sharpness and damage. Sharpen or replace blades as needed to maintain optimal cutting performance. Always ensure the engine is off and cool before handling blades.

4.3 Track Maintenance

Check the steel wire tracks for wear and proper tension. Adjust tension as necessary to ensure smooth operation and prevent premature wear.

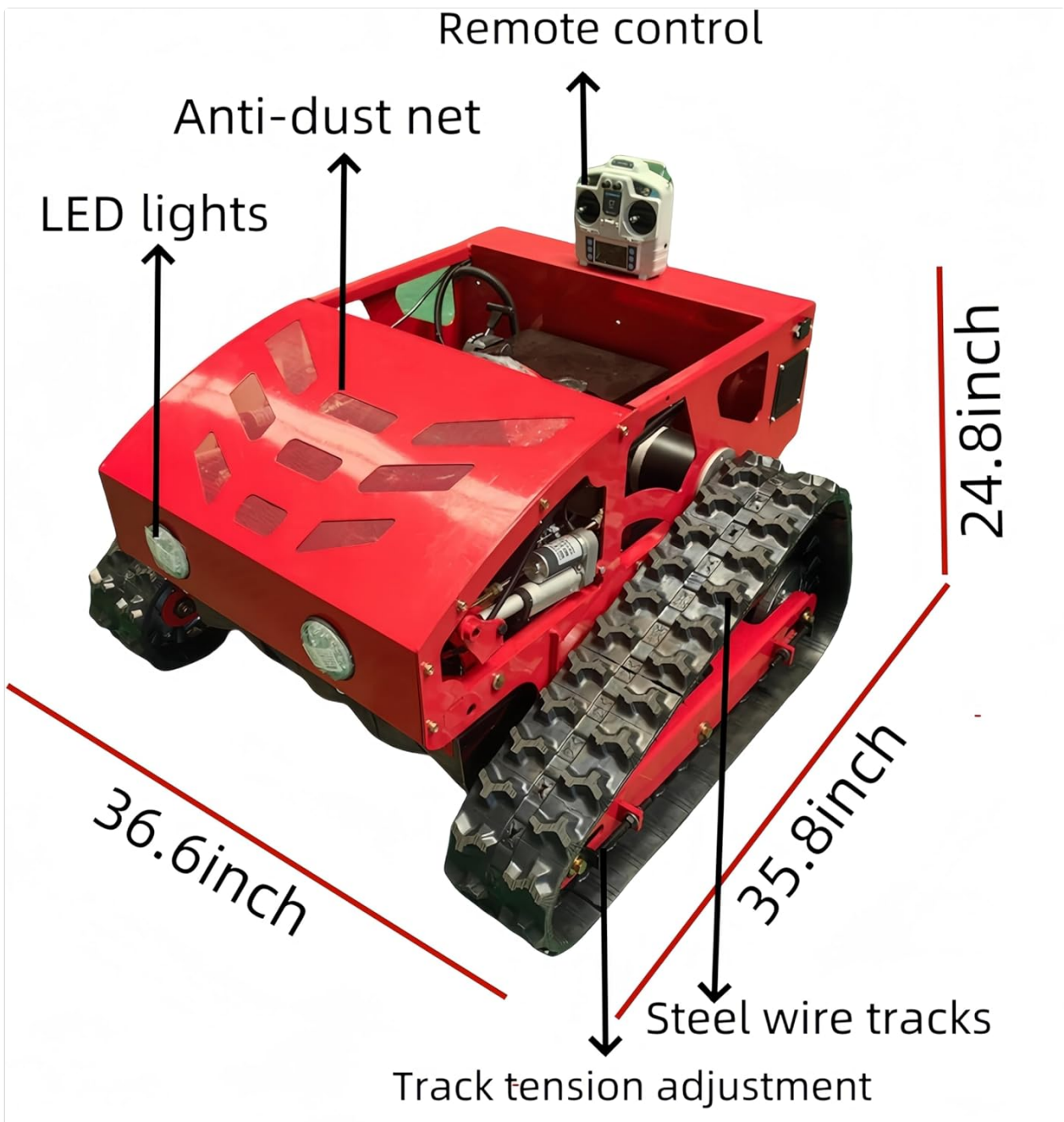


Figure 5: This image illustrates the key dimensions of the ADVOK AD-550 Remote Control Crawler Lawn Mower, and points out features like LED lights, anti-dust net, remote control, steel wire tracks, and track tension adjustment.

4.4 General Cleaning

After each use, clean grass clippings and debris from the mower chassis, cutting deck, and tracks. This prevents buildup and ensures proper function.

5. TROUBLESHOOTING

5.1 Engine Not Starting

- Check fuel level.
- Ensure batteries are charged.
- Verify spark plug condition.
- Confirm remote control is paired and powered on.

5.2 Poor Cutting Performance

- Inspect blades for sharpness and damage.
- Adjust cutting height appropriately for grass conditions.
- Clear any debris from the cutting deck.

5.3 Mower Not Responding to Remote Control

- Check remote control battery level.
- Ensure mower and remote control are within operating range.
- Re-pair the remote control with the mower if connection is lost.

For persistent issues, consult a qualified service technician.

6. SPECIFICATIONS

Feature	Specification
Brand	ADVOK
Model Number	AD-550
Power Source	Oil-Electric Hybrid (Gas Powered)
Engine Brand	LONCIN 196CC
Engine Power	7.5 HP
Engine Type	Four-Stroke
Starting Method	Electric Start
Fuel Type	92# Gasoline
Walking Motor Power	2 x 600W
Power Generation	12V, 1500W
Battery Type	2 x 12V12Ah (included)
Material	Alloy Steel / Metal
Color	Red
Item Weight	300 Pounds
Cutting Width	21.6 Inches
Cutting Height Adjustment	10mm - 180mm
Operation Mode	Automatic / Remote Control
Max Remote Control Distance	680 meters (2,231 feet)
Working Slope	<60°
Working Efficiency	0.37 acre/hour
Product Dimensions (L x W x H)	35.83" x 36.61" x 24.80"
Assembly Required	No
Lifting Cylinder	2 x 12V/2200N

Lawn Mower Comprehensive Parameters

Machine Performance and Specifications

Usage Scope	lawns, Suitable for weeds, grass, slopes, orchards, gardens,
Package Dimensions	37.80" x 38.58" x 29.92"
Complete Machine Specifications	35.83" x 36.61" x 24.80"
Weight	301.72 lbs, Including packing weight approximately 359.36 lbs
Remote Control Range	550mm (21.65")
Cutting Table Adjustment Height	10mm-180mm
Cutting Height	20mm-180mm
Speed	0-3km/h (0-1.86 miles per hour)
Maximum Working Gradient	45 °
Charging System:	Engine Self-Charging System
Operation Mode	Remote Control
Travel Mode	Electric Crawler Self-Propelled
Remote Control Range	680m (2,231 FT)
Engine Parameters	
Brand	LONNIN 196CC
Power	7.5/HP
Type	Vertical Shaft
Stroke	Four-Stroke
Starting Method	Electric Start
Fuel	92# Gasoline

Excellent King Kong Track Lawn Mower, adaptable to all terrain and scenery mowing environments, fearless of any challenges !

Figure 6: A detailed table presenting the comprehensive machine performance and engine parameters for the ADVOK AD-550 Lawn Mower.

7. WARRANTY AND SUPPORT

This product is typically covered by a manufacturer's warranty. Please refer to your purchase documentation for specific warranty terms and conditions. Extended protection plans may also be available for purchase. For customer support, technical assistance, or to inquire about parts and service, please contact the ADVOK customer service department or your authorized dealer. Keep your model number (AD-550) and purchase date readily available when contacting support.

The product is eligible for 30-day easy returns as per retailer policy.