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› [DEERC](#) /

› [DEERC DE28 Remote Controlled Helicopter User Manual](#)

DEERC DE28

DEERC DE28 Remote Controlled Helicopter User Manual

Model: DE28

1. INTRODUCTION

Thank you for purchasing the DEERC DE28 Remote Controlled Helicopter. This manual provides essential information for the safe operation, maintenance, and troubleshooting of your new helicopter. Please read this manual thoroughly before first use to ensure proper function and to maximize your flying experience.

The DEERC DE28 is designed for beginners, featuring precise 3.5-channel control, automatic hover mode, and gyro stabilization for stable flight. Its robust aluminum construction and impact-resistant ABS rotors ensure durability, making it suitable for indoor and outdoor use (in calm conditions). The helicopter also includes an LED navigation system for enhanced visibility and offers up to 12 minutes of flight time on a single charge.



Figure 1: DEERC DE28 Remote Controlled Helicopter with included accessories.

2. SAFETY PRECAUTIONS

- Always operate the helicopter in an open area, away from people, pets, and obstacles.
- Do not fly near power lines, trees, or water.
- Ensure the helicopter battery is fully charged and the remote control batteries are fresh before each flight.
- Keep fingers, hair, and loose clothing away from rotating blades.
- Adult supervision is recommended for users under 14 years of age.
- Do not attempt to modify or disassemble the helicopter or remote control.
- In case of a crash, immediately turn off the helicopter and remote control. Inspect for damage before attempting another flight.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- DEERC DE28 RC Helicopter (with built-in rechargeable battery)
- Remote Control (requires 2 "A" batteries, not included)

- USB Charging Cable
- Spare Rotor Blades
- Screwdriver
- User Manual (this document)



Figure 2: Package contents overview.

4. SETUP

4.1 Charging the Helicopter Battery

1. Connect the USB charging cable to the helicopter's charging port.
2. Plug the other end of the USB cable into a USB power adapter (e.g., computer USB port, wall adapter).
3. The charging indicator light will show the charging status (refer to the helicopter's specific LED behavior for full charge indication).
4. Charging typically takes about 60 minutes for up to 12 minutes of flight time. Do not overcharge.



Figure 3: Charging the helicopter battery.

4.2 Installing Remote Control Batteries

1. Open the battery compartment on the back of the remote control.
2. Insert 2 "A" batteries (not included), ensuring correct polarity (+/-).
3. Close the battery compartment securely.

4.3 Pairing the Helicopter and Remote Control

1. Place the helicopter on a flat, level surface.
2. Turn on the helicopter's power switch. The LED lights on the helicopter will flash.
3. Turn on the remote control. The indicator light on the remote will flash.
4. Push the left joystick (throttle) all the way up, then all the way down.
5. The indicator lights on both the helicopter and remote control will become solid, indicating successful pairing.

5. OPERATING INSTRUCTIONS

5.1 Remote Control Functions

3 SPEEDS LEVEL SUIT FOR ADULTS & KIDS



Figure 4: Remote Control Layout.

Table 1: Remote Control Functions

Control	Function
Left Joystick (Throttle)	Move up/down to control altitude.
Right Joystick (Direction)	Move forward/backward, left/right to control direction.
One-Key Takeoff/Landing Button	Press once to automatically take off or land.
Speed Mode Button	Press to cycle through 3 speed levels (low, medium, high).
Trim Buttons	Adjust for drift (forward/backward, left/right rotation).

5.2 First Flight

1. Ensure the helicopter is paired and on a flat surface.
2. Press the One-Key Takeoff/Landing button. The helicopter will automatically ascend and hover at a stable altitude.
3. Use the right joystick to control forward, backward, left, and right movement.
4. Use the left joystick to adjust altitude.

5. If the helicopter drifts, use the trim buttons to correct its flight path.
6. To land, press the One-Key Takeoff/Landing button again. The helicopter will automatically descend and land.



Figure 5: One-Key Takeoff and Altitude Hold in action.

5.3 Altitude Hold Mode

The integrated altitude sensor allows the helicopter to maintain a stable height when the throttle joystick is released. This feature is particularly useful for beginners and for precise positioning during flight.

5.4 Speed Modes

The DE28 offers 3 speed levels. Press the speed mode button on the remote control to switch between them. Start with the lowest speed for learning and gradually increase as you gain experience.



Figure 6: Key features of the DEERC DE28 helicopter.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the helicopter. Do not use water or chemical cleaners.
- **Blade Inspection:** Regularly check the rotor blades for any damage or cracks. Replace damaged blades immediately using the provided spare parts and screwdriver.
- **Storage:** When not in use, store the helicopter and remote control in a cool, dry place, away from direct sunlight and extreme temperatures. Remove batteries from the remote control if storing for extended periods.
- **Battery Care:** Do not leave the battery charging unattended. Disconnect the charger once the battery is full. Avoid fully discharging the battery to prolong its lifespan.



Figure 7: Durable blade construction for longevity.

7. TROUBLESHOOTING

Table 2: Common Issues and Solutions

Problem	Possible Cause	Solution
Helicopter does not respond to remote.	Not paired; low remote battery; helicopter off.	Re-pair helicopter and remote; replace remote batteries; turn on helicopter.
Helicopter drifts during flight.	Needs trimming; uneven surface at takeoff.	Use trim buttons to correct drift; ensure takeoff on a flat, level surface.
Short flight time.	Battery not fully charged; old battery.	Ensure full charge; consider battery replacement if performance degrades significantly over time.
Blades not spinning.	Obstruction; damaged motor/gears.	Check for obstructions; if problem persists, contact customer support.

8. SPECIFICATIONS

Feature	Detail
Model	DE28
Dimensions	19.99 x 16 x 7.29 cm (7.87 x 6.3 x 2.87 inches)
Weight	290 grams (0.64 lbs)
Material	Plastic, Aluminum Alloy Frame
Channels	3.5 Channels
Frequency	2.4 GHz
Flight Time	Up to 12 minutes
Charging Time	Approx. 60 minutes
Helicopter Battery	Lithium-Ion (built-in)

Feature	Detail
Remote Control Batteries	2 x "A" batteries (not included)
Recommended Age	14+ Years



Figure 8: Product Dimensions.

9. WARRANTY AND SUPPORT

DEERC products are manufactured to high quality standards and undergo rigorous testing. All DEERC helicopters have passed multiple tests and hold necessary certifications, ensuring product safety and quality.

For warranty information, technical support, or any questions regarding your DEERC DE28 helicopter, please contact DEERC customer service through the retailer where you purchased the product or visit the official DEERC website for contact details.

Please retain your proof of purchase for warranty claims.

