

Domiuie 46H626183S

RC ERA C189 MD500 RC Helicopter Model

Instruction Manual

Brand: Domiuie | Model: 46H626183S

1. INTRODUCTION AND OVERVIEW

The RC ERA C189 MD500 is a 1:28 scale, 2.4G 4-channel single-rotor remote control helicopter model designed for both beginners and seasoned enthusiasts. It features a realistic design, stable flight capabilities with a 6-axis gyro, convenient one-key takeoff and landing, and powerful dual brushless motors for enhanced durability and wind resistance. This manual provides essential information for the safe and effective operation of your RC helicopter.

Simulated aircraft model bird helicopter

Proportional simulation and restoration of pneumatic constant altitude,
six axis gyroscope, and dual brushless motor



Image 1.1: The RC ERA C189 MD500 helicopter model, showcasing its realistic design and proportional simulation.

2. PACKAGE CONTENTS

Please inspect the package contents upon unboxing to ensure all components are present and undamaged. The standard package includes:

- Graphic Carton (Packaging) x 1
- RC ERA C189 MD500 Helicopter x 1
- Remote Controller x 1
- Instruction Manual x 1
- USB Charger x 1
- Main Propeller (Spare) x 5
- Tail Propeller (Spare) x 1
- Lithium Battery x 1 (Note: Quantity may vary based on purchased variant)

- Screwdriver x 1
- Hex Wrench x 1



Image 2.1: Overview of the RC ERA C189 MD500 package contents, showing the helicopter, remote controller, battery, and various accessories.

3. SAFETY PRECAUTIONS

Operating an RC helicopter requires caution. Please read and adhere to the following safety guidelines to prevent injury or damage.

- **Age Recommendation:** This product is recommended for users aged 16 years and older. Adult supervision is advised for younger, experienced users.
- **Flight Environment:** Fly in open, clear areas away from people, animals, buildings, trees, power lines, and water. Avoid flying indoors unless sufficient space is available and no obstacles are present.
- **Weather Conditions:** Do not fly in strong winds, rain, snow, or other adverse weather conditions.
- **Pre-Flight Check:** Always ensure the helicopter and remote controller batteries are fully charged and properly installed

before each flight. Check for any loose parts or damage.

- **Propeller Safety:** Keep hands, face, and loose clothing away from rotating propellers. Never attempt to catch a flying helicopter.
- **Battery Safety:** Use only the provided charger and original batteries. Do not overcharge or short-circuit batteries. Discontinue use if batteries show signs of swelling or damage.
- **Interference:** Avoid flying near other RC devices or strong electromagnetic sources to prevent signal interference.
- **Emergency Stop:** Familiarize yourself with the emergency stop procedure on the remote controller.

4. SETUP

4.1 Charging the Battery

Before first use, fully charge the helicopter's lithium battery using the provided USB charger. Connect the USB charger to a suitable USB power source (e.g., computer USB port, USB wall adapter). Connect the battery to the charger. The charging indicator light will show the charging status (refer to charger's specific instructions for light indications). Charging typically takes 60-90 minutes.

4.2 Installing the Helicopter Battery

The C189 MD500 features a modular battery intelligent power management system for easy installation.

1. Locate the battery compartment on the helicopter.
2. Align the charged battery with the compartment and slide it in until it clicks securely into place. Ensure the battery is fully seated to make proper electrical contact.

Modular Battery Intelligent Power Management System

Power indicator, easy and fast installation, effective protection of the battery, and longer service life.



Image 4.1: Illustration of the modular battery installation process, highlighting the ease of insertion and removal.

4.3 Remote Controller Setup

Install 4x AA batteries (not included) into the remote controller. Ensure correct polarity. Power on the remote controller. The remote and helicopter should automatically pair when both are powered on. If pairing fails, refer to the troubleshooting section.

5. OPERATING INSTRUCTIONS

Familiarize yourself with the controls before attempting your first flight.

5.1 Basic Flight Controls (2.4G 4-Channel)

- **Left Stick (Throttle/Yaw):**
 - *Up/Down:* Controls altitude (throttle).
 - *Left/Right:* Controls yaw (rotation around vertical axis).

- **Right Stick (Pitch/Roll):**

- *Up/Down:* Controls pitch (forward/backward movement).
- *Left/Right:* Controls roll (sideways movement).

- **Trim Buttons:** Used to fine-tune the helicopter's stability if it drifts in any direction during hover.

5.2 One-Key Takeoff and Landing

The C189 MD500 features a convenient one-key takeoff and landing function, simplifying operation for new users.

- **One-Key Takeoff:** Place the helicopter on a flat, level surface. Press the dedicated One-Key Takeoff button on the remote. The helicopter will automatically ascend to a stable hovering altitude.
- **One-Key Landing:** During flight, press the dedicated One-Key Landing button. The helicopter will automatically descend and land gently.



Image 5.1: Visual representation of the one-click takeoff and landing feature, simplifying flight control.

5.3 Stable Flight with 6-Axis Gyro

Equipped with a 6-axis gyroscope, the C189 MD500 provides ultra-stable flight, ensuring smooth control and easy maneuvering. This feature significantly enhances stability, making it easier for beginners to maintain control and achieve

stable hovering.

Air pressure fixed altitude flight with intelligent hovering for more stability

Effectively increasing hovering stability and reducing the probability of collisions and damage caused by unstable flight, making it easier for beginners to control



Image 5.2: The helicopter demonstrating stable hovering due to its air pressure fixed altitude flight system.

5.4 Speed Adjustment

The helicopter offers multiple flight speeds, allowing users to select a speed setting based on their proficiency and desired flight experience.

- **Low Speed:** Ideal for beginners and indoor flight, offering maximum stability and control.
- **Medium Speed:** A balanced speed for intermediate users, suitable for outdoor flight in calm conditions.
- **High Speed:** For experienced pilots seeking a more dynamic and exciting flight experience.

Three speed adjustment for more exciting flight experience

Equipped with multiple flight speeds, flight gears can be selected based on personal proficiency, ensuring safety and comfort during play.



Image 5.3: Visual guide to the three-speed adjustment settings for varied flight experiences.

5.5 3D Stunt Capability

The C189 MD500 is capable of performing 3D stunts. Refer to the remote controller's specific button layout and the detailed instructions in the included manual for executing advanced maneuvers. Practice in a wide-open area until proficient.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your RC helicopter.

- **Cleaning:** After each flight, gently wipe down the helicopter with a soft, dry cloth to remove dust and debris. Avoid using water or chemical cleaners.
- **Propeller Inspection and Replacement:** Regularly check main and tail propellers for cracks, bends, or damage. Damaged propellers can affect flight stability and safety. Use the provided spare propellers and screwdriver/hex wrench for replacement. Ensure propellers are installed correctly and securely.
- **Motor Care:** The dual brushless motors are designed for durability. Keep them free from dust and obstructions. Avoid prolonged operation in extreme heat.

- **Battery Storage:** When not in use for extended periods, store batteries at approximately 50% charge in a cool, dry place. Do not store fully charged or fully depleted batteries.
- **General Inspection:** Periodically check all screws, connections, and moving parts for looseness or wear. Tighten as necessary.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your RC ERA C189 MD500 helicopter.

Problem	Possible Cause	Solution
Helicopter does not power on.	Battery not charged or improperly installed; Helicopter or remote not turned on.	Ensure battery is fully charged and securely inserted. Verify both helicopter and remote power switches are ON.
Helicopter is unstable or drifts.	Uncalibrated gyro; Damaged propellers; Wind interference; Trim settings incorrect.	Perform gyro calibration (refer to main instruction manual). Check propellers for damage and replace if necessary. Fly in calm conditions. Adjust trim buttons on the remote controller.
Remote controller not responding.	Remote batteries low or incorrectly installed; Pairing issue; Out of range.	Replace remote batteries. Re-pair the remote and helicopter (power cycle both). Ensure you are within the operational range.
Helicopter does not lift off.	Low battery; Damaged propellers; Obstruction to rotors.	Charge helicopter battery. Inspect and replace damaged propellers. Clear any obstructions.
Short flight time.	Battery not fully charged; Old or degraded battery.	Ensure battery is fully charged before each flight. Consider purchasing a new battery if performance significantly degrades.

8. SPECIFICATIONS

Key technical specifications for the RC ERA C189 MD500 RC Helicopter Model:

- **Model Number:** 46H626183S
- **Product Dimensions:** 13.19 x 3.74 x 4.96 inches (33.5 x 9.5 x 12.6 cm)
- **Item Weight:** 1.1 pounds (0.5 kg)
- **Scale:** 1:28
- **Channels:** 4-Channel
- **Frequency:** 2.4Ghz
- **Gyroscope:** 6-Axis Gyro
- **Motors:** Dual Brushless Motors
- **Manufacturer:** Domyou

Dual brushless motor, wind resistant, stable, and pressure free

Equipped with dual powerful brushless motors, the wind resistance performance is greatly improved



Image 8.1: Illustration highlighting the powerful dual brushless motors, contributing to enhanced wind resistance and durability.

9. WARRANTY AND SUPPORT

For information regarding product warranty, please refer to the warranty card included in your product packaging or contact the seller directly. Warranty terms and conditions may vary.

If you encounter any issues or require technical assistance not covered in this manual, please contact Domiuie customer support or the retailer from whom you purchased the product. Provide your model number (46H626183S) and a detailed description of the issue for faster service.