

Mini CP

FLYBARLESS SERIES



User Handbook

Specifications:

Main Rotor Dia. : 241mm

Tail Rotor Dia. : 42mm

Overall Length: 220mm

Gyro: Three-axis

All-up Weight: 45g (Battery included)

Standard transmitter: DEVO-8S

Optional transmitter: DEVO-6/7/12

Receiver: RX2632V-D

Main Brush Motor: 1220FC

Tail Brush Motor: 0615R

Servo: wk-02-4

weight: 2.42g

speed: 0.12sec/60° (3.0~4.5V)

dimension: 16.5×6.8×15.7mm

Battery: 3.7V 240mAh Li-Po

Features:

- 1) The flybarless design characterizes low power loss and great improvements in efficiency.
- 2) Sophisticated 3-Axis gyro flybarless stabilization system automatically adjusts the controls for stable flight .
- 3) Highly developed low voltage drive system provides a green, environmentally friendly and safe power solution.
- 4) Mini size helicopter for indoors, providing 5-6 minutes of flight time after a full charge.
- 5) Telemetry of Temperature and voltage, and program upgrading online become available when working with DEVO-8S.

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Foreword



02

Safety matters
needing
attention**Dear customer:**

Thank you for purchasing a Walkera radio control aircraft product. In order to quickly and safely master the operation of the Mini CP RC helicopter, please read the user handbook carefully and then keep it in a safe place for future consultation and reference.

Mini CP with spread spectrum technology features impressive power, stable flight, immediate response and strong anti-jamming characteristics.

2.1 Important Statement

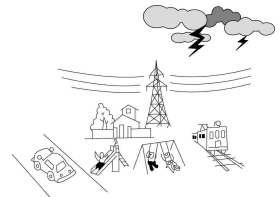
- (1) This product is not a toy. It is a piece of complicated equipment which harmoniously integrates engineering materials, mechanics, electronics, aerodynamic and high frequency radio. Correct installation and adjustment are necessary to avoid accidents taking place. The owner must always operate in a safe manner. Improper operation may result in serious property damage, bodily injury or even death.
- (2) We accept no liability for damage and consequent damage arising from the use of these products, as we have no control over the way they are maintained, used and operated.
- (3) This product is suitable for experienced RC Helicopter pilots aged 14 years or more. All minors must be accompanied by a responsible adult when flying.
- (4) The flight field should be legally approved by the local government. We accept no liability for any safety duties or fines arising from operation, usage or mis-control after the sale of the products .
- (5) We consign our distributors to offer technical support and service after sale. Please contact the local distributors for problem resolution caused by usage, operation, maintenance, etc.

2.2 Safety matters needing attention

RC helicopter flight is a high risk hobby, whose flight should be kept far away from other people. Mis-assembled or broken main frame, defective electronic equipment, and/or problematic radio system will lead to unforeseen accidents such as bodily injury or property damage. The pilot **MUST** pay attention to the flight safety and UNDERSTAND his responsibility for accidents caused by his carelessness.

- (1) Far away from obstacles and people

An RC helicopter in flight has risk of uncertain flight speed and direction which is potentially dangerous. When flying, please keep your RC helicopter far away from people, high buildings, high-tension lines, etc, and avoid operating in rain, storms, thunder and lightning.



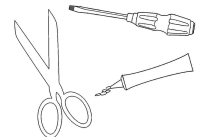
- (2) Keep away from humidity

RC helicopter should be kept away from humidity and vapor because its complex, precise electronic components and mechanical parts may be damaged.



- (3) Proper operation and maintenance

Please use Walkera original spare parts to upgrade, modify or maintain your helicopter in order to ensure its safety. Please operate your helicopter within the range of functions permitted. It is forbidden to use it outside of the safety laws or regulations.



- (4) Avoid flying alone

At the beginning of learning about radio-controlled flight there are some difficulties to overcome. Please avoid flying alone. Invite experienced pilots to guide you (two of the most effective methods to practice are via a PC flight simulator and/or under the supervision of a skilled pilot).



(5) Safe operation

Please fly your helicopter according to your physical status and flight skills. Fatigue, listlessness and mis-operation will increase the possibilities of accidental hazard.



(6) Keep away from high-speed rotating parts

Please keep the spinning blades of both main rotor and tail rotor away from the pilot, people and other objects.



(7) Protect from heat

An RC helicopter is made from metal, fiber, plastic and electronic components, etc. Please keep away from heat and sunshine in order to avoid distortion, even damage, caused by high temperatures.



2.3 Attention before flight

- (1) Ensure the battery packs of both transmitter and receiver are fully charged (saturated).
- (2) Ensure both the throttle stick and the throttle trim of your transmitter stay at the lowest positions before operation.
- (3) Please strictly obey the order of turn-on and turn-off before operation. When starting your flight, please turn on your transmitter first, and connect the power cable of your helicopter last.
When finishing your flight, please disconnect the power cable of your helicopter first, and turn off your transmitter last.
- (4) An incorrect order of connection may cause your helicopter to lose control. Please cultivate the correct habit of turn-on and turn-off.
- (5) Ensure the directions and actions in which servos execute transmitter commands are correct and smooth with respect to inputs. Never operate the helicopter with a broken servo as it will result in further damage to the product or people.
- (6) Check there are no missing or loose screws and nuts, no incorrectly assembled or damaged parts. Carefully check the main blades have no defects, especially the position close to the main blade connector. Broken or mis-assembled parts will have a negative effect on the flight performance, and will cause unforeseen potential dangers.
- (7) Check all the connections between ball linkages and balls. Loose linkages and balls should be replaced. Loose connections between linkages and balls will have a negative effect on the flight performance possibly resulting in a loss of control.
- (8) Make sure the connections between the power cables of the battery pack and motors are solid. Continuous vibration and drastic 3D actions may loosen the batteries or cables in flight, possibly resulting in a loss of control.



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**Safety matters
needing
attention**