FLYCOLOR 560

FLYCOLOR QIDI-560 M7 Off-Road Aircraft 3D RC Plane User Manual

Model: QIDI-560 M7 | Brand: FLYCOLOR

Introduction

The FLYCOLOR QIDI-560 M7 Off-Road Aircraft is a 3D RC plane designed for both beginner and experienced pilots. Constructed from durable EPP material, it features wind-resistant flight control and one-key stunt capabilities. This manual provides essential information for assembly, operation, maintenance, and troubleshooting to ensure a safe and enjoyable flying experience.

What's in the Box

- Aircraft (QIDI-560 M7)
- Remote Control
- Battery (2 Lithium Polymer batteries)
- Charging Cable
- Product Manual

Specifications

Feature	Detail
Product Name	QIDI-560 M7
Color	Blue
Product Material	EPP
Wing Span	51cm

Length	37cm
Takeoff Weight	94g (including battery)
Voltage Range	3.7V (lithium battery)
Motor	1504KV 4700 (Brushless)
ESC	10-12A
Servo	3.7g x 3
Propeller Size	5x4.5cm (2 pieces)
Flight Control System	3D stunt fixed wing six axis gyroscope, remote control supporting S-BUS or DSM signals
Flight Time	15 minutes
Remote Control	5-channel handle remote control
Receiver	6-channel receiver
Frequency	2.4GHz
Flight Distance	200 meters
Product Dimensions	20 x 14.5 x 5.5 inches
Item Weight	1.45 pounds

Features

- **High-efficiency Brushless Motor:** Equipped with a strong magnetic brushless motor for powerful performance and high-precision digital steering gear for quick response and fast locking.
- **Signal & Voltage Return:** Features an alarm and rescue system for timely reminders to return, preventing issues due to low signal or voltage. Offers a 400-meter remote control distance.
- **Wind-Resistant Flight Control:** Made from EPP material for good toughness and resistance to impacts. The flight control system assists in stable flight even in strong winds (up to level 5).
- **Advanced Flight Control System:** Includes two receiver conversion sockets (5V for FUTABA S-BUS and 3V for DSM receivers) for versatile compatibility.
- **Light Control:** The remote control can operate the aircraft's lights, enabling night flying. Left and right wing lights flash, while front and rear fuselage lights remain constant.

LIGHT CONTROL

Remote control can control the lights,
allowing you to fly freely even at night.

Image: Close-up of the high-efficiency brushless motor, highlighting its compact design and wiring.

Image: The QIDI-560 M7 RC plane flying at night, with its flashing wing lights and constant fuselage lights visible.

Setup

Assembly

1. Carefully unpack all components from the box.

2. Attach the main wings to the fuselage, ensuring the servo wires are connected correctly.
3. Install the horizontal tail to the vertical tail's post and secure it.
4. Attach the landing gear if desired.
5. Ensure all control surfaces (ailerons, rudder, elevator) move freely and correctly when manipulated by hand.

Battery Installation & Charging

- Charge the provided Lithium Polymer batteries using the included charging cable. Always supervise charging.
- Once charged, carefully insert the battery into the aircraft's battery compartment and connect it.
- Ensure the battery is securely fastened to prevent it from dislodging during flight.

Remote Control Setup

- Install 4 AA batteries (not included) into the remote control.
- Turn on the remote control.
- Connect the aircraft battery. The remote and aircraft should bind automatically. The remote light will stay steady once binding is complete.
- Test all control surfaces (ailerons, elevator, rudder) by moving the remote sticks to ensure they respond correctly.

Operating Instructions

Flight Modes

The QIDI-560 M7 features a flight control system with multiple modes to assist pilots:

- **Beginner Mode:** Provides maximum stabilization, ideal for new pilots.
- **Intermediate Mode:** Offers less stabilization, allowing for more control and basic maneuvers.
- **Expert Mode:** Disables most stabilization, providing full manual control for advanced maneuvers and 3D stunts.

Takeoff

For ground takeoff, place the aircraft on a flat surface. Gradually increase throttle and apply slight elevator input as speed builds. For hand launch, hold the aircraft firmly, apply full throttle, and gently toss it forward into the wind.

Basic Controls

- **Throttle:** Controls motor speed and altitude.
- **Ailerons:** Controls roll (left/right banking).
- **Elevator:** Controls pitch (nose up/down for ascent/descent).
- **Rudder:** Controls yaw (nose left/right for turning).

Stunt Flying

The aircraft supports 3D stunts and one-key somersaults. In Expert Mode, experienced pilots can perform inverted flying and rolling. For one-key somersaults, ensure throttle is above 50%, press the

designated stunt button, and toggle the joystick.

Image: Illustration of the QIDI-560 M7 performing a one-click somersault stunt, with the remote control shown.

Image: The QIDI-560 M7 RC plane flying upside down against a mountainous backdrop, demonstrating 3D stunt capability.

Landing

Reduce throttle gradually and maintain a gentle descent. Apply slight elevator input to flare just before touchdown. Aim for a smooth, controlled landing. It is recommended to land into the wind for better control.

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Video: Official product video showcasing the FLYCOLOR QIDI-560 M7 Off-Road Aircraft 3D RC Plane in flight, demonstrating its maneuverability and features.

Maintenance

- **Cleaning:** Wipe the aircraft clean with a soft, dry cloth after each use. Avoid using harsh chemicals.
- **Propeller Inspection:** Regularly check the propeller for any damage (cracks, chips). Replace damaged propellers immediately to ensure safe and efficient flight.
- **Battery Care:** Store batteries in a cool, dry place. Do not overcharge or over-discharge. Disconnect the battery from the aircraft when not in use.
- **Control Surface Check:** Before each flight, ensure all control surfaces (ailerons, elevator, rudder) move freely and are properly aligned.
- **Storage:** Store the aircraft in its original packaging or a protective case to prevent damage.

Troubleshooting

- **Aircraft not responding to remote:** Ensure both the aircraft and remote control are powered on and properly bound. Re-bind if necessary. Check battery levels in both devices.
- **Aircraft unstable during flight:** Verify that the flight control system is set to the appropriate mode (e.g., Beginner Mode for maximum stability). Check for any physical damage to wings or control surfaces.
- **Short flight time:** Ensure batteries are fully charged before flight. Consider purchasing additional batteries for extended flight sessions.
- **Propeller issues:** If the propeller detaches or is damaged, replace it with a spare. Ensure it is securely attached.
- **Battery dislodging during flight:** Ensure the battery is securely fastened within its compartment before takeoff.

Safety Information

Always operate the RC plane in open, clear areas away from people, animals, and obstacles. Do not fly near power lines, roads, or airports. Always maintain visual contact with the aircraft during flight. Follow all local regulations and guidelines for RC aircraft operation. Recommended age for operation is 14 years and up.

Warranty and Support

For warranty information or technical support, please refer to the manufacturer's official website or contact their customer service. Keep your purchase receipt as proof of purchase.