

UDIRC U818A-HD

UDIRC U818A-HD RC Quadcopter Instruction Manual

Model: U818A-HD

1. PRODUCT OVERVIEW

The UDIRC U818A-HD is a 2.4GHz 4-channel, 6-axis headless RC quadcopter equipped with an HD camera. It is designed for both beginners and experienced pilots, offering stable flight and easy control. Key features include headless mode for simplified orientation, 6-axis gyro for stability, and 360-degree eversion capabilities.



Image: The UDIRC U818A-HD quadcopter and its remote control unit.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- UDI U818A-HD RC Quadcopter
- Remote Control
- LiPO Battery (2 included)
- 4GB Micro SD Memory Card
- USB Charger
- Spare Propellers
- Screwdriver
- Instruction Manual

3. SETUP

3.1 Battery Installation

1. Open the battery compartment on the quadcopter's underside.

2. Connect the LiPO battery to the quadcopter's power connector.
3. Carefully place the battery inside the compartment and close the cover.

3.2 Propeller Installation

Ensure propellers are correctly oriented. Propellers marked 'A' should be installed on motor shafts 'A', and 'B' on 'B'. Secure them with the provided screws.

3.3 Camera Installation

Attach the HD camera to the designated slot on the quadcopter's underside. Connect the camera cable to the port. Insert the 4GB Micro SD card into the camera's slot.



Image: Underside view of the quadcopter, highlighting the camera and LED lights.

3.4 Remote Control Setup

Insert 4 AA batteries (not included) into the remote control. Power on the remote control.

3.5 Binding and Calibration

1. Place the quadcopter on a flat, level surface.
2. Turn on the quadcopter, then turn on the remote control.
3. Move the left joystick (throttle) all the way up, then all the way down. The quadcopter's lights will stop

flashing, indicating successful binding.

4. To calibrate the gyroscope, move both joysticks to the bottom-right corner simultaneously until the lights flash and then become solid.

New Upgrade **U818A HD**



HD 720P Video Camera



Image: The UDIRC U818A-HD quadcopter and its remote control, ready for operation.

4. OPERATING INSTRUCTIONS

4.1 Basic Flight Controls

- **Throttle (Left Joystick Up/Down):** Controls altitude.
- **Yaw (Left Joystick Left/Right):** Rotates the quadcopter horizontally.
- **Forward/Backward (Right Joystick Up/Down):** Controls forward and backward movement.
- **Left/Right Sideward Flight (Right Joystick Left/Right):** Controls sideward movement.

4.2 Headless Mode (IOC)

The Headless/IOC function allows the quadcopter to fly based on the pilot's orientation, regardless of the drone's actual front direction. This simplifies control for beginners. Activate and deactivate using the dedicated button on the remote control.

4.3 360° Eversion

Press the 360° Eversion button on the remote control, then move the right joystick in any direction to

perform a continuous roll. Ensure sufficient altitude before attempting this maneuver.



Image: Diagram showing the quadcopter performing a 360-degree eversion.

4.4 Taking Photos and Videos

Use the dedicated buttons on the remote control to capture photos or start/stop video recording. Ensure the Micro SD card is inserted correctly in the camera. Recorded media can be accessed by removing the SD card and inserting it into a computer.

5. MAINTENANCE

- **Battery Care:** Charge batteries using the provided USB charger. Do not overcharge. Store batteries in a cool, dry place.
- **Cleaning:** Use a soft, dry cloth to clean the quadcopter. Avoid water or harsh chemicals.
- **Propeller Replacement:** If propellers are damaged, replace them with spare parts. Ensure correct 'A' and 'B' propeller placement.

6. TROUBLESHOOTING

- **Quadcopter not responding:** Ensure the battery is charged, the remote control has fresh batteries,

and the quadcopter is properly bound and calibrated.

- **Unstable flight:** Recalibrate the gyroscope on a flat surface. Check for damaged propellers and replace if necessary.
- **Camera not recording:** Verify the Micro SD card is inserted correctly and has sufficient free space. Ensure the camera cable is securely connected.

7. SPECIFICATIONS

Feature	Specification
Brand	UDIRC
Model Name	U818A
Control Type	RC
Connectivity Technology	USB, Radio Frequency
Video Capture Resolution	720p (1280 x 720 Pixels)
Effective Still Resolution	1 MP
Battery Capacity	500 Milliamp Hours
Item Weight	0.41 Kilograms
Maximum Range	100 Meters
Material	Plastic
Item Dimensions L x W x H	13.4"L x 13"W x 2.2"H

8. WARRANTY AND SUPPORT

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