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Model: U818A

1. INTRODUCTION

Thank you for choosing the Force1 U818A WiFi FPV Drone. This manual provides essential information for the safe and optimal operation of your new quadcopter. Please read all instructions carefully before use and retain this manual for future reference.

The U818A WiFi FPV Drone is designed for both beginners and experienced pilots, featuring a 2MP HD camera for aerial photography and video, First Person View (FPV) capabilities, Headless Mode for simplified control, Gravity Induction for mobile device piloting, and the ability to perform 360-degree flips.

2. PACKAGE CONTENTS

Ensure all items listed below are present in your package:

- U818A WiFi FPV Quadcopter
- 2.4Ghz Remote Controller
- 2 x 350mAh LiPo Batteries
- USB Battery Charger
- 4GB Micro-SD Card
- 4 Spare Propellers
- Power Bank
- User Manual



Image: Force1 U818A Drone with its remote controller, two batteries, USB charger, spare propellers, and other accessories laid out.

3. SETUP & ASSEMBLY

3.1 Battery Charging

The drone comes with two 350mAh LiPo batteries. Each battery provides approximately 6-7 minutes of flight time and requires 55-65 minutes for a full charge. Use the included USB dual charger to charge both batteries simultaneously.

- Connect the LiPo batteries to the dual USB charger.
- Plug the USB charger into a 5V 2A AC USB charging port for optimal charging speed.
- The charger lights indicate charging status. Allow batteries to rest 10 minutes before charging or playing.

3.2 Micro-SD Card Installation

The drone includes a 4GB Micro-SD card for storing HD video and photos. Insert the Micro-SD card into the designated slot on the drone's camera module. Ensure it clicks into place.

3.3 Remote Controller Setup

The 2.4Ghz remote controller requires 4 AA batteries (not included). Install the batteries into the controller's battery compartment.

3.4 Drone Battery Installation

Carefully insert a charged LiPo battery into the drone's battery compartment and connect the power cable. Ensure a secure connection. Some users find it helpful to use a small piece of electrical tape to secure the battery connection to prevent accidental dislodgement during crashes.



Image: Top-down view of the Force1 U818A Drone, showing its quadcopter design with propeller guards.

4. OPERATING INSTRUCTIONS

4.1 Pairing the Drone and Controller

1. Turn on the remote controller. The indicator light will flash.
2. Connect the battery to the drone. The drone's lights will flash.
3. Place the drone on a flat, level surface.
4. Push the left joystick (throttle) all the way up, then all the way down. The controller will beep, and the drone's lights will become solid, indicating successful pairing.

4.2 Basic Flight Controls

Familiarize yourself with the remote controller's joysticks and trim buttons for stable flight.

- **Left Joystick (Throttle):** Controls altitude (up/down) and yaw (left/right rotation).
- **Right Joystick:** Controls pitch (forward/backward) and roll (left/right strafing).
- **Trim Buttons:** Adjust the drone's stability if it drifts in any direction.



Image: Close-up of the Force1 U818A Remote Controller, showing joysticks, buttons, and the LCD display.

4.3 Special Flight Features

- **Headless Mode:** Simplifies flight by orienting the drone's front relative to the pilot, regardless of the drone's actual orientation. Activate via a dedicated button on the controller.
- **Return Home Function:** Initiates an automatic return sequence. Consult the manual for specific activation steps.
- **360-Degree Flips:** Press the dedicated flip button and then move the right joystick in the desired direction to perform aerial acrobatics.
- **Gravity Induction Mode:** Fly the drone using your mobile device by tilting it. Requires the FPV app.

4.4 Camera & Video Operation

The drone's 2MP HD camera captures 1280x720 video at 30 FPS and high-resolution photos.

- **Taking Photos:** Press the photo button on the remote controller.
- **Recording Video:** Press the video button on the remote controller to start and stop recording.
- **FPV (First-Person View):** Connect your mobile device to the drone's WiFi network and use the dedicated FPV app to view live footage and control the camera.

4.5 Night Flight

Equipped with LED running lights and a remote control signal light, the U818A is suitable for nighttime flight. The lights can be turned on/off via the controller.



Image: Force1 U818A Drone with its blue and red LED lights illuminated, indicating readiness for night flight.

Your browser does not support the video tag.



Video: Official product video demonstrating the Force1 U818A Drone's features, including FPV, Headless Mode, 360-degree flips, and LED lights for night flight. The video showcases the drone's sleek and durable design, powerful and accurate control, and real-time FPV capabilities.

5. MAINTENANCE

5.1 Propeller Care & Replacement

The drone features 4 safety propeller guards to prevent damage. In case of propeller damage, use the included spare propellers and screwdriver for replacement. Ensure propellers are installed correctly (A and B types) to maintain flight stability.

5.2 General Cleaning

Regularly clean the drone's body and propellers to remove dust and debris. Use a soft, dry cloth. Avoid using harsh chemicals or excessive moisture.

6. TROUBLESHOOTING

- **Video Recording Issues:** If the included Micro-SD card causes video corruption or playback issues,

consider replacing it with a higher-quality, compatible Micro-SD card (e.g., a SanDisk 8GB card has been noted to resolve such issues).

- **Battery Dislodgement:** In the event of a crash, the battery may become dislodged. Reinsert the battery, reconnect the power, and place the drone on a level surface to reset its gyroscope before attempting to fly again. Some users secure the battery with electrical tape to prevent this.
- **Drone Drifts:** Use the trim buttons on the remote controller to adjust for any unwanted drifting during flight.
- **Loss of Control:** Ensure the drone and controller are properly paired. If control is lost, especially at high altitudes, the drone may drift with the wind. Fly in calm conditions and within visual range.

7. SPECIFICATIONS

Brand	Force1
Model Name	U818A
Age Range (Description)	Adult (14+)
Color	Blue
Video Capture Resolution	720p (1280*720 at 30 FPS)
Effective Still Resolution	2 MP
Connectivity Technology	USB, Wi-Fi
Battery Capacity	350 Milliamp Hours
Battery Time	6-7 Minutes
Charging Time	55-65 Minutes
Skill Level	Beginner
Material	Plastic

8. SAFETY GUIDELINES

- Always operate the drone in open areas, away from people, animals, buildings, and power lines.
- Avoid flying in strong winds or adverse weather conditions.
- Maintain visual line of sight with the drone at all times.
- Ensure all propellers are securely attached and undamaged before each flight.
- Do not fly near airports or restricted airspace.
- Supervise children during drone operation. Recommended for ages 14 and up.
- Do not attempt to retrieve a drone from high places or water without ensuring safety.

9. WARRANTY & SUPPORT

For warranty information, technical support, or replacement parts, please refer to the official Force1 website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

