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› [NAFYRE N11 PRO GPS Drone with Camera for Adults 4K UHD, 90 Min Long Flight Time, Long Control Range, Auto Return, Follow Me, Brushless Motor, 5G FPV RC Quadcopter for Beginners 1*4K Drone Deeply mysterious Golden Glow Brilliant Warmth Glowing Silver](#)

NAFYRE N11 PRO

NAFYRE N11 PRO GPS Drone User Manual

Comprehensive guide for operating and maintaining your NAFYRE N11 PRO GPS Drone with 4K UHD Camera, extended flight time, and intelligent flight features.

1. INTRODUCTION AND SAFETY PRECAUTIONS

The NAFYRE N11 PRO GPS Drone is designed for ease of use and high-quality aerial photography. Its lightweight design, under 0.55lb (249g), eliminates the need for FAA registration in the United States, making it ideal for hassle-free flying.

Important Safety Information:

- To avoid injury, always operate the drone in strict accordance with this instruction manual.
- Please abide by local regulations and use the drone only in open airspace, away from people, buildings, and obstacles.
- Ensure all batteries are charged using the original charging cables and keep them away from fire or flammable materials during charging.
- Regularly check the propellers for damage or deformation and replace them if necessary.

Ultra-portable/Lightweight

GPS drone under 249g,
No FAA registration required.

<249g



Figure 1.1: The NAFYRE N11 PRO drone, weighing less than 249 grams, does not require FAA registration.

2. SETUP

2.1 Unboxing and Components

Upon unboxing, verify all components are present. The package includes the N11 PRO drone, remote controller, three batteries, charging cables, replacement propellers, and a durable carrying case for portability.



Figure 2.1: All components included in the NAFYRE N11 PRO drone package.

2.2 Charging the Batteries

The drone comes with three 2000mAh, 3.7V Li-PO batteries, providing up to 90 minutes of total flight time (30 minutes per battery). The controller also has an internal rechargeable battery.

- **Drone Batteries:** Connect the original charging cable to the drone battery. The red indicator light will illuminate during charging and turn off when fully charged. Charging time is approximately 360 minutes. Do not overcharge.
- **Controller Battery:** Connect the original charging cable to the controller. The green indicator light will illuminate during charging and turn off when fully charged. Charging time is approximately 40 minutes. Do not overcharge.

Brushless Motor

Longer lifespan

More power

Higher efficiency, longer lifespan, more power, quieter operation, better control, and lower maintenance, provide stronger wind resistance, ensuring stable flight even in challenging conditions.



Figure 2.2: NAFYRE N11 PRO drone battery and charging details.

2.3 Propeller Installation and Drone Assembly

Ensure propellers are correctly installed. The A blade can only be installed on the A arm, and the B blade can only be installed on the B arm. If any propeller is damaged or deformed, replace it immediately.

Install the battery on the drone and unfold the drone arms before flight. Turn on the drone by pressing the power button on its underside; the LED lights will flash.

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Video 2.1: N11 PRO GPS Foldable Drone Operation Guide. This video provides a comprehensive guide on unboxing, battery installation, propeller setup, and initial drone power-on procedures.

2.4 App Download and Controller Connection

Download and install the NAFYRE GPS app on your smartphone by scanning the QR code in the instruction manual. During installation, grant necessary permissions.

To connect the controller, long-press its power button. The drone and controller will calibrate automatically. For a better experience, connect your phone to the drone's Wi-Fi network (e.g., "HY-GPS-002-c9ee68") to view the drone's camera feed directly on your phone.

3. CALIBRATION

3.1 Gyroscope Calibration

Place the drone on a level surface with the controller and the front of the drone pointing in the same direction. Press the gyroscope calibration button on the controller. The drone's indicator light will flash rapidly and then stay lit, indicating that the calibration is complete.

3.2 Geomagnetic Calibration

Press the geomagnetic calibration button on the controller. The controller will emit a beeping sound while the drone's indicator light flashes rapidly.

- Hold the drone in your hand and rotate it clockwise slowly three times in a horizontal direction. When the controller emits a beep, it indicates that the horizontal calibration is complete.
- Next, with the drone's head facing downwards, rotate it slowly clockwise three times. When the controller emits two beeps, it indicates that the geomagnetic calibration is complete.

3.3 Indoor or Outdoor Mode Selection

Switch between indoor and outdoor modes by pressing and holding the GPS button on the controller. In outdoor mode, the drone will automatically search for GPS signals. Ensure the GPS signal strength exceeds 9 before flying in outdoor mode for stable operation.



Figure 3.1: Intelligent Return-to-Home (RTH) features, including One-key RTH, Low Power RTH, and Out of Control RTH, enabled by the Dual Positioning System.

4. OPERATING THE DRONE

4.1 Basic Flight Controls

After successful calibration and GPS signal acquisition (if in outdoor mode), you can unlock the drone by pressing the unlock button on the controller. The propellers will start spinning. Press the button again to initiate take-off.

- **Left Joystick:** Push up to fly upward, push down to fly downward. Push left to turn left, push right to turn right.
- **Right Joystick:** Push up to fly forward, push down to fly backward. Push left to fly left, push right to fly right.
- **Hover:** Release all joysticks, and the drone will hover stably in place.
- **High/Low Speed:** Press the speed button on the controller. One beep indicates Low Speed, two beeps indicate High Speed.

4.2 One-Click Return and Automatic Return

The drone features a One-Click Return function. Press the Return Button on the controller, and the drone will automatically fly back to its home point. The drone's position is set as the home point when the GPS signal reaches 9 for the first time.

The drone also supports Automatic Return. If the drone loses connection with the controller or when the battery level falls below a safe threshold, the drone will automatically return to the home point, preventing loss.

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Video 4.1: NAFYRE N11 Flight Test. This video demonstrates the drone's flight capabilities, including take-off, hovering, and return-to-home functions.

5. MEDIA INTEGRATION AND INTELLIGENT FLIGHT MODES

5.1 Taking Photos and Videos

The N11 PRO features a UHD 4K Camera capable of capturing stunning 4096x3072 photos and 2048x1080 videos. The camera has a 100° wide-angle lens adjustable by remote control or the app within 90°.

- To take a photo, click the "Taking Photo" icon in the app.
- To shoot a video, click the "Recording" icon in the app.
- You can switch between different camera combinations by clicking the "Switch Camera" icon.
- Adjust the camera angle using the dedicated knob on the controller.



Figure 5.1: The drone's 4K UHD camera with Electronic Image Stabilization (EIS) for sharp visuals and smooth video.

5.2 Gesture Photo and Video

The drone supports gesture control for photos and videos:

- **Gesture Photo:** Stand about 2 meters in front of the drone and hold the "YEAH" gesture for 3 seconds to take a photo.
- **Gesture Video:** Make a "PALM" gesture to start shooting video. Make the same gesture again to stop recording.

5.3 Follow Me Mode and GPS Follow Mode

The GPS-assisted intelligent flight features include Follow Me, Tap Fly, and Point of Interest, enabling the drone to fly automatically for video or picture creation.

- **Follow Me Mode:** Click the "Follow Me" mode icon in the app. Stay 2 meters in front of the drone, and it will automatically recognize and follow you.
- **GPS Follow Mode:** Click the "GPS Follow" icon to activate. The drone will automatically follow your mobile phone for flight.

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Video 5.1: NAFYRE N11 PRO GPS Drone Review. This video showcases various features including intelligent flight modes like Follow Me and Waypoint Flight.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your NAFYRE N11 PRO drone.

- **Cleaning:** Use a soft, dry cloth to clean the drone body and camera lens. Avoid using harsh chemicals or solvents.
- **Propellers:** Inspect propellers before each flight for any cracks, bends, or damage. Replace them immediately if any issues are found.
- **Motors:** The brushless motors are designed for durability and low maintenance. Keep them free from dust and debris.
- **Storage:** When not in use, store the drone and its accessories in the provided durable carrying case in a cool, dry place.

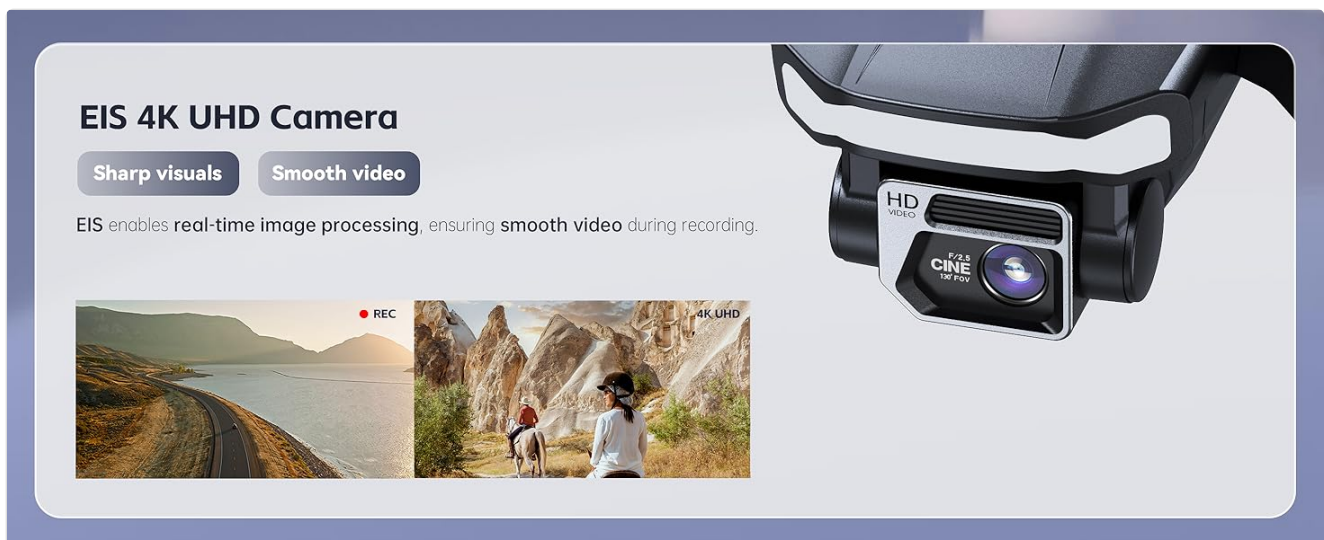


Figure 6.1: Brushless motors provide higher efficiency, longer lifespan, more power, quieter operation, better control, and lower maintenance.

7. TROUBLESHOOTING

If you encounter any issues with your NAFYRE N11 PRO drone, please refer to the following common troubleshooting steps:

- **Drone not powering on:** Ensure the battery is fully charged and correctly installed.
- **Controller not connecting:** Make sure both the drone and controller are powered on and within range. Repeat the connection steps in Section 2.4.
- **Unstable flight:** Perform gyroscope and geomagnetic calibration as described in Section 3. Ensure you are flying in an open area free from strong winds or magnetic interference.
- **No GPS signal (Outdoor Mode):** Ensure you are in an open outdoor area with a clear view of the sky. Wait until the GPS signal strength exceeds 9 before attempting flight.
- **Poor video quality:** Check the camera lens for dirt or smudges. Ensure sufficient lighting conditions.

For further assistance, please contact NAFYRE customer support.

8. SPECIFICATIONS

Feature	Detail
Brand	NAFYRE
Model Name	N11 PRO
Item Weight	6.3 ounces (180 Grams)
Flight Time	Up to 90 minutes (with 3 included batteries)
Control Range	3328 Feet
Camera	UHD 4K (4096x3072 photos, 2048x1080 videos)
Lens	100° wide-angle, 90° adjustable
FPV Transmission	5GHz
Motors	Brushless
Positioning System	Dual (Optical Flow & GPS)
Product Dimensions	4.72"L x 2.95"W x 1.96"H
UPC	718027787711

9. WARRANTY AND SUPPORT

NAFYRE offers a 1-year warranty for replacing damaged parts and a 30-day money-back guarantee for any reason. For any questions or support needs, please contact NAFYRE customer service.

Seller: Greatwon

Return Policy: 30 days for refund/replacement.