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› [NAFYRE](#) /

› [NAFYRE N11 PRO GPS Drone User Manual](#)

NAFYRE N11-240727

NAFYRE N11 PRO GPS Drone User Manual

Model: N11-240727 | Brand: NAFYRE

INTRODUCTION

The NAFYRE N11 PRO GPS Drone is a sophisticated yet user-friendly quadcopter designed for both beginners and experienced pilots. Weighing under 0.55lb (approximately 180 grams), it does not require FAA registration, offering hassle-free operation. Equipped with a 4K UHD camera, brushless motors, and advanced GPS features, the N11 PRO provides stable flight, extended range, and high-quality aerial photography and videography.



Figure 1: NAFYRE N11 PRO GPS Drone with remote controller, batteries, and carrying case.

PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- NAFYRE N11 PRO GPS Drone (x1)
- Remote Controller (x1)
- 12V Lithium Ion Batteries (x3)
- Charging Cable (x1)
- Spare Propellers (set)
- Screwdriver (x1)
- Durable Carrying Case (x1)
- User Manual (this document)



Figure 2: All components included in the NAFYRE N11 PRO package.

TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	NAFYRE
Model Number	N11-240727
Item Weight	180 Grams (0.39 lbs)
Product Dimensions	4.72"L x 2.95"W x 1.96"H
Flight Time	Up to 90 minutes (with 3 batteries)
Control Range	3328 Feet

Camera Resolution (Photo)	4096x3072 (4K UHD)
Camera Resolution (Video)	2048x1080
Camera Features	100° Wide-Angle, 90° Remote Adjustable, 5GHz FPV, EIS
Motors	Brushless Motors
Positioning System	Optical Flow Positioning (Indoor), GPS Positioning (Outdoor)
Battery Type	Lithium Ion (3 x 12V included)
Connectivity	Wi-Fi (5GHz FPV)
Frequency	2440–2468mhz
FAA Registration	Not Required (Under 250g)

SETUP GUIDE

1. Charging the Batteries

Before first use, fully charge all three drone batteries and the remote controller. Connect the charging cable to the battery and a suitable USB power adapter (not included). The indicator light on the battery will change when fully charged.

Efficient power management system

2000mAh, 3.7v, discharges efficiently



Figure 3: Illustration of the drone battery, highlighting its efficient power management for extended flight.

2. Drone Assembly

Unfold the drone arms carefully. Ensure propellers are securely attached. If replacement is needed, use the provided screwdriver and spare propellers, matching the propeller type (A or B) to the corresponding motor arm.



Figure 4: The N11 PRO drone in its unfolded, ready-to-fly configuration.

3. Remote Controller Setup

Insert the charged battery into the remote controller. If using a smartphone for FPV, attach the phone holder to the remote controller and secure your device. Download the official NAFYRE drone application from your device's app store.

Ultra-portable/Lightweight

GPS drone under 249g,
No FAA registration required.

<249g



Figure 5: The N11 PRO remote controller with a smartphone attached, demonstrating its ultra-portable and lightweight design.

OPERATING INSTRUCTIONS

1. Power On and Pairing

Turn on the drone first, then the remote controller. Wait for the drone and controller to pair automatically. The indicator lights will confirm successful pairing.

2. Take-off and Landing

Place the drone on a flat, open surface. Press the One-Key Take-off button on the remote controller or in the app to initiate flight. To land, press the One-Key Return button or manually descend using the control sticks.

3. GPS and Positioning Systems

The N11 PRO features a Dual Positioning System. Optical Flow Positioning is ideal for stable indoor flight, while GPS Positioning provides precise and stable outdoor flight. Ensure a clear GPS signal for optimal outdoor performance.

Intelligent RTH

Equipped with a GPS-based positioning system, and Dual antennas.



One-key RTH



Low power RTH



Out of control RTH



Figure 6: The Intelligent Return-to-Home (RTH) feature, equipped with GPS-based positioning and dual antennas, ensuring safe return.

4. Advanced Flight Functions (GPS Assisted)

- **Follow Me:** The drone will automatically follow your movements, capturing dynamic footage.
- **Tap Fly:** Tap a point on the map in the app, and the drone will fly to that location.
- **Point of Interest:** Select a central point, and the drone will circle around it, maintaining a set distance and altitude.
- **Auto Return:** The drone will automatically return to its take-off point if the battery is low, signal is lost, or the One-Key Return button is pressed.

5. Camera Operation

The 4K UHD camera captures stunning 4096x3072 photos and 2048x1080 videos. The 100° wide-angle lens can be adjusted remotely by 90° for optimal viewing angles. Utilize the 5GHz FPV transmission for stable and smooth real-time video streaming to your smartphone.

Advanced EIS 4K UHD Camera



Figure 7: Advanced EIS 4K UHD Camera with 5G FPV and 90° remote adjustable lens.

6. Flight Range

The N11 PRO offers a long control range of 3328 feet, allowing for extensive exploration and capture of distant subjects. The strong signal transmission system and aerodynamic body design contribute to stable flight even at extended distances.

Long flight range

Strong signal transmission system,
Aerodynamic body design.



3300ft



Figure 8: The N11 PRO drone demonstrating its impressive 3300ft long flight range.

7. Official Product Video

Your browser does not support the video tag.

Video 1: NAFYRE N11 PRO GPS Drone Review. This video provides a visual demonstration of the drone's features and flight capabilities.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the drone body and camera lens after each flight. Avoid using harsh chemicals.
- **Propeller Inspection:** Regularly check propellers for any damage (cracks, bends). Replace damaged propellers immediately to ensure safe and stable flight.
- **Battery Care:** Store batteries in a cool, dry place. Do not overcharge or over-discharge. If not used for extended periods, charge them to about 50% capacity.
- **Storage:** When not in use, fold the drone and store it in its durable carrying case to protect it from dust and physical

damage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Drone does not power on	Low or uncharged battery	Ensure batteries are fully charged and correctly inserted.
Difficulty pairing with remote	Incorrect power-on sequence or interference	Power on drone first, then remote. Ensure no strong Wi-Fi interference.
Unstable flight / Drifting	Uncalibrated gyroscope or damaged propellers	Perform gyroscope calibration as per app instructions. Check and replace damaged propellers.
Poor camera feed (FPV)	Weak Wi-Fi signal or app issue	Ensure strong 5GHz Wi-Fi connection. Restart the app and drone.
Auto Return not working	Insufficient GPS signal or low battery	Ensure drone has acquired sufficient GPS satellites (indicated by solid GPS light). Charge battery.

WARRANTY AND SUPPORT

NAFYRE offers a **1-year warranty** for replacing damaged parts and a **30-day money-back guarantee** for any reason. For technical support, warranty claims, or any questions regarding your N11 PRO GPS Drone, please contact NAFYRE customer service through the official channels provided at the point of purchase or on the NAFYRE website.

Please retain your proof of purchase for warranty validation.