

CYNOVA CYNOVA Universal Foldable Drone Landing Pad 50cm

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User Manual

1. INTRODUCTION

Thank you for choosing the CYNOVA Universal Foldable Drone Landing Pad. This product is designed to provide a clean, stable, and visible surface for your drone's takeoff and landing, protecting it from dust, dirt, and debris in various environments. Its dual-sided, foldable design ensures portability and ease of use.

This manual provides essential information for the proper setup, operation, and maintenance of your landing pad. Please read it thoroughly before use.

2. SAFETY INFORMATION

- Ensure the landing pad is placed on a flat, stable surface free from obstructions before drone operation.
- Do not use the landing pad in extremely high winds that could cause it to shift or become airborne. While designed to be wind-resistant, extreme conditions may pose a risk.
- Keep the landing pad clean to prevent foreign objects from interfering with drone propellers or sensors during takeoff and landing.
- Always maintain a safe distance from the drone during takeoff and landing, even when using the pad.
- Store the pad in a cool, dry place away from direct sunlight when not in use to prolong its lifespan.

3. PRODUCT OVERVIEW

The CYNOVA 50cm Drone Landing Pad features a robust construction and a highly visible design to enhance your drone flying experience.

- Material:** High-quality waterproof PU PVC material, ensuring durability and resistance to stains.
- Design:** Dual-sided with two distinct colors (orange and gray) for high visibility against various terrains. The prominent "H" landing mark aids in precise drone positioning.
- Portability:** Quickly foldable into a compact size for easy transport and storage.
- Dimensions:** 50cm x 50cm (approximately 19.68 inches x 19.68 inches) when unfolded.
- Weight:** Approximately 500g, providing sufficient stability against drone prop wash and light winds.

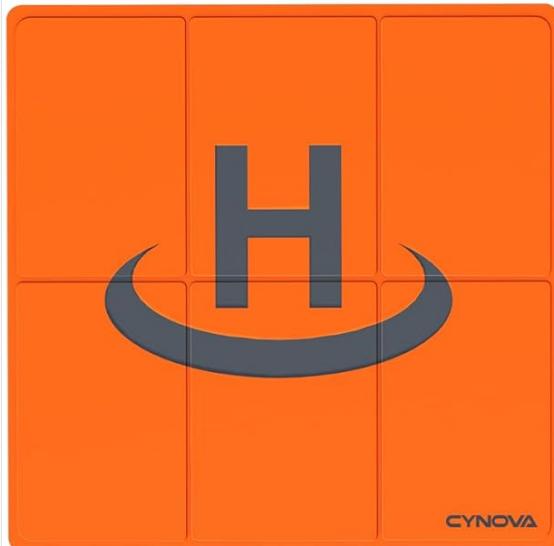


Figure 3.1: The CYNOVA 50cm Drone Landing Pad with a drone positioned for takeoff or landing. The pad features a prominent 'H' symbol and is designed for universal drone compatibility.

DRONE LANDING PAD PRO



Waterproof PU PVC Material



Dual-Sided Design is Sturdy

Need to know !

CYNOVA is an official DJI partner!

It is suitable for more models of drones, and the orange and gray colors are conspicuous for better positioning. Good work for drones take-off and land.



DJI Air 3S/Air 3



Mini 4 Pro



Mavic 3 Pro/Mavic 3



Avata 2



Mini 4K/Mini 2 SE



Mini 3 Pro/Mini 3

Figure 3.2: Key features of the landing pad, including waterproof material and dual-sided design, along with a visual guide to compatible DJI drone models such as DJI Air 3S/Air 3, Mini 4 Pro, Mavic 3 Pro/Mavic 3, Avata 2, Mini 4K/Mini 2 SE, and Mini 3 Pro/Mini 3.

4. SETUP

- Unfolding the Pad:** Carefully unfold the landing pad from its compact, folded state. The pad is designed to lay flat naturally.
- Choosing a Location:** Select a clear, level area for drone operation. The pad is suitable for various terrains including grass, sand, stone, and paved roads.
- Positioning the Pad:** Place the landing pad on the chosen surface. You can use either the orange or gray side facing up, depending on which color provides better contrast with the ground for optimal visibility from your drone.
- Ensuring Stability:** Due to its weight and material, the pad is designed to resist displacement from drone prop wash. Ensure it is not placed on a slope or in an area where it could easily slide.

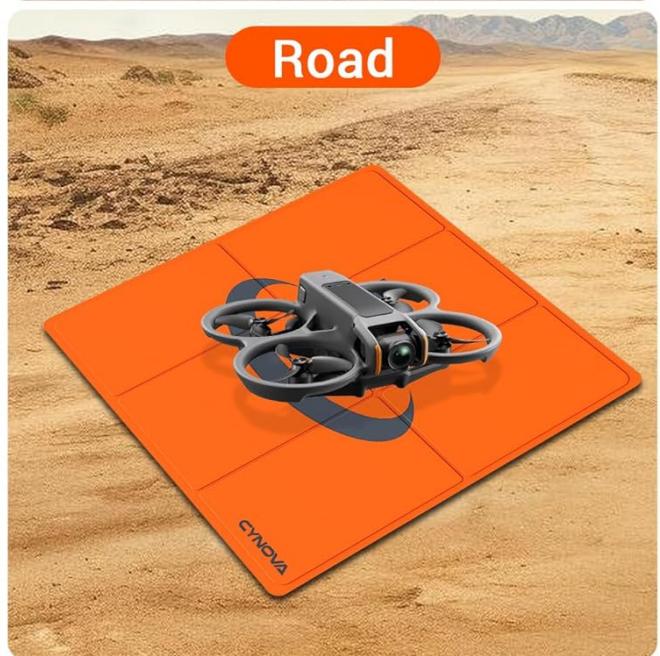
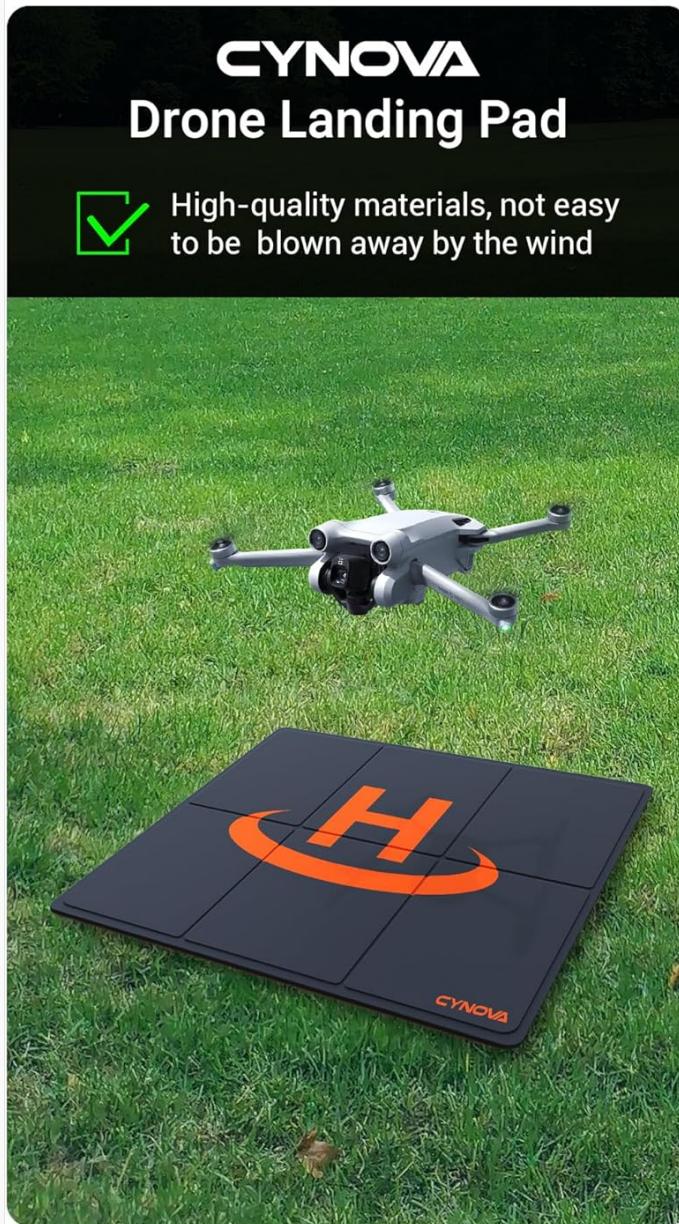


Figure 4.1: The landing pad demonstrated in different outdoor settings: on stone, sand, grass, and a road, highlighting its versatility and adaptability to various terrains.

VS



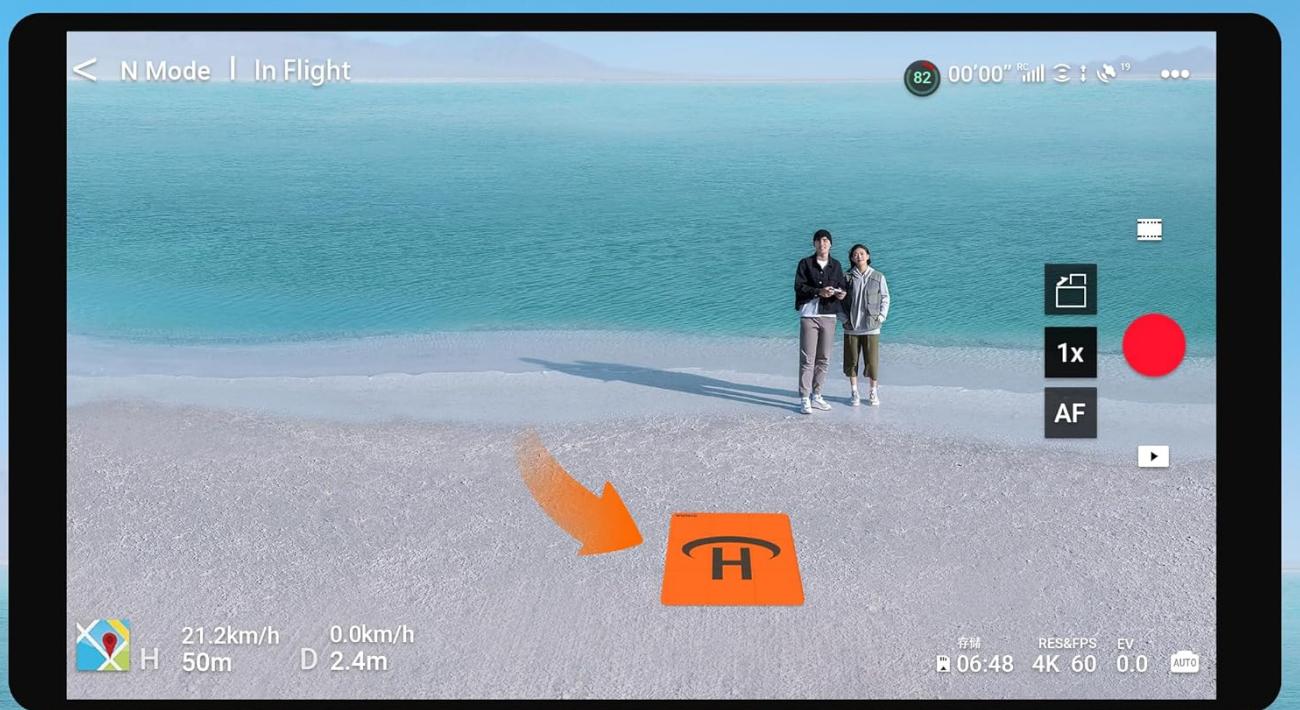
OTHERS
Drone Landing Pad

Figure 4.2: A visual comparison illustrating the stability of the CYNOVA landing pad (left) against a lighter, less stable alternative (right), emphasizing its resistance to being blown away by wind or drone prop wash.

5. OPERATING INSTRUCTIONS

The CYNOVA landing pad simplifies drone operations by providing a dedicated, clean, and visible area.

- Takeoff:** Place your drone centrally on the "H" mark of the unfolded landing pad. Initiate your drone's takeoff sequence as per its manufacturer's instructions. The pad helps keep dust and debris away from the drone's motors and sensors during liftoff.
- Landing:** When returning your drone, guide it towards the landing pad. The high-contrast colors and "H" symbol make the pad easily identifiable from the air, even at altitudes up to 50 meters. Aim for a gentle, controlled descent onto the center of the pad.
- Visibility:** The dual-sided design allows you to choose the most visible color for your current environment. For example, the orange side may be more visible against dark ground, while the gray side might stand out better against light-colored surfaces.



The prominent color allows the drone to quickly find the location of the tarmac even at an altitude of **50M**.



Figure 5.1: An illustration showing a drone's perspective, with the prominent orange landing pad clearly visible from an altitude of 50 meters, aiding in precise landing.

6. MAINTENANCE

To ensure the longevity and optimal performance of your CYNOVA Drone Landing Pad, follow these simple maintenance guidelines:

- **Cleaning:** The waterproof PU PVC material is easy to clean. Wipe the surface with a damp cloth to remove dirt, dust, or stains. For stubborn marks, a mild soap solution can be used, followed by rinsing with clean water and air drying.
- **Drying:** Always ensure the pad is completely dry before folding and storing to prevent mold or mildew growth.
- **Storage:** Fold the pad neatly along its creases. Store it in a cool, dry place, away from direct sunlight and extreme temperatures. The compact folded size makes it convenient to store in a bag or backpack.
- **Inspection:** Periodically inspect the pad for any signs of wear, tear, or damage. While highly durable, prolonged exposure to harsh elements or sharp objects can cause damage.



Figure 6.1: The landing pad demonstrating its waterproof and stain-resistant properties, making it easy to clean after use in various outdoor conditions.

**— High density PU is waterproof and stain resistant .
Outdoor ink, not easy to fade**



Figure 6.2: The foldable design of the CYNOVA landing pad, illustrating how easily it can be folded for compact storage and portability in a backpack.

7. TROUBLESHOOTING

Most issues with the landing pad are related to improper placement or environmental factors. Here are some common scenarios and solutions:

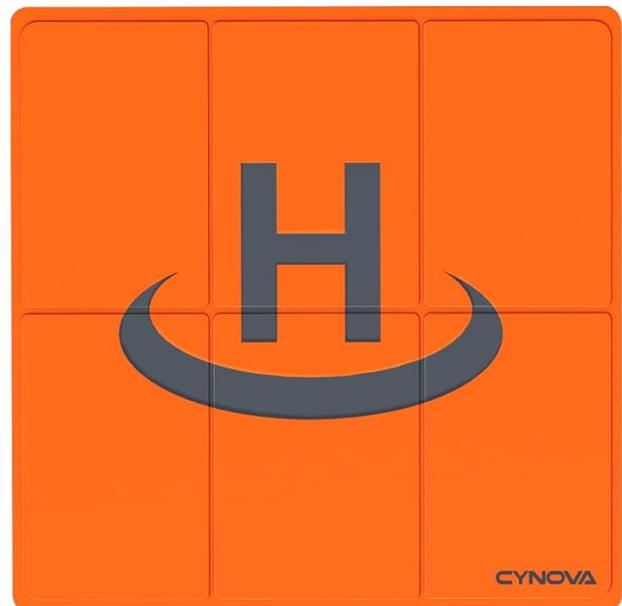
Problem	Possible Cause	Solution
Pad shifts during drone takeoff/landing.	Uneven surface; extremely high winds; drone prop wash too strong for light pad.	Ensure pad is on a flat surface. Avoid use in very high winds. The CYNOVA pad is weighted to resist prop wash, but extreme conditions may require additional securing (e.g., small weights on corners, if safe).
Drone has difficulty identifying the pad.	Poor visibility due to terrain color; low light conditions.	Flip the pad to the contrasting color side (orange or gray) for better visibility. Ensure adequate lighting if operating in low-light conditions.
Pad appears dirty or stained.	Accumulation of dirt, mud, or other debris from use.	Clean the pad with a damp cloth and mild soap solution as described in the Maintenance section.

8. SPECIFICATIONS

Feature	Detail
Brand	CYNOVA
Model Name	DJI Drone Landing Pad (Universal)
Product Dimensions (Unfolded)	50 x 50 x 1 cm (19.68 x 19.68 x 0.39 inches)
Product Dimensions (Folded)	Approx. 25 x 16.6 x 1 cm (9.84 x 6.54 x 0.39 inches)
Item Weight	500 grams (1.1 lbs)
Material	Waterproof PU PVC
Special Features	Waterproof, Dual-sided, Foldable, High Visibility
Color	Orange / Gray (Dual-sided)



Top side color



Bottom side color

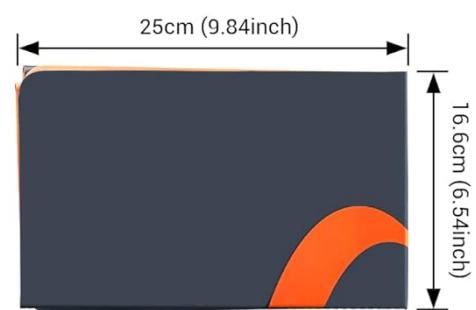


Figure 8.1: Detailed dimensions of the 50cm landing pad when unfolded and its compact size when folded, shown alongside a smartphone for scale.

CYNOVA Landing Pad Series Selection Guide

			
	19.68in/50cm	25.59in/65cm	27.55in/70cm
	Perfect fit NPS 	Slightly oversized NPS 	Too big NPS 
	Standard size NPS 	Perfect fit NPS 	Comprehensive protection NPS 
	Slightly smaller NPS 	Standard size NPS 	Perfect fit NPS 

Figure 8.2: A selection guide illustrating the recommended landing pad sizes (50cm, 65cm, 70cm) for various DJI drone models, indicating optimal fit and protection levels.

9. WARRANTY AND SUPPORT

CYNOVA stands behind the quality of its products. If you encounter any quality issues with your CYNOVA Drone Landing Pad, please do not hesitate to contact us.

- Warranty:** The product comes with a 12-month worry-free warranty from the date of purchase.
- Returns/Replacements:** If you are not satisfied with the product for any reason within a year of purchase, we will return or replace it.
- Customer Service:** For support, inquiries, or to claim warranty service, please contact CYNOVA customer service through the platform where you purchased the product or visit the official CYNOVA website for contact information.

