HOVERAir X1 PRO

HOVERAir X1 PRO 4K Action Flying Camera User Manual

Model: X1 PRO

Introduction

This manual provides essential information for the safe and effective operation of your HOVERAir X1 PRO 4K Action Flying Camera. Please read this manual thoroughly before using the device to ensure proper setup, operation, and maintenance. The HOVERAir X1 PRO is a foldable drone designed for capturing cinematic footage with its 4K@60fps camera, featuring advanced flight modes and OmniTerrain capabilities.



Figure 1: HOVERAir X1 PRO drone in its unfolded state, accompanied by its charging cable, battery, and a protective pouch. This image illustrates the compact design and the essential components included in the standard package.

Setup Guide

1. Unboxing and Initial Inspection

Carefully remove all components from the packaging. Verify that all items listed in the product package contents are present and undamaged. If any items are missing or damaged, contact customer support immediately.

2. Charging the Battery

Before first use, fully charge the HOVERAir X1 PRO battery. Connect the provided USB-C cable to the drone's charging port and to a compatible USB power adapter (not included). The charging indicator light will show the charging status. A full charge typically takes approximately 60 minutes.

3. Powering On/Off

- **Power On:** Press and hold the power button located on the top of the drone until the indicator lights illuminate.

- **Power Off:** Press and hold the power button until the indicator lights turn off.

4. App Installation and Connection

For full functionality and access to advanced flight modes, download the official HOVERAir app from your device's app store. Follow the in-app instructions to connect your HOVERAir X1 PRO. Ensure your mobile device's Bluetooth and Wi-Fi are enabled.

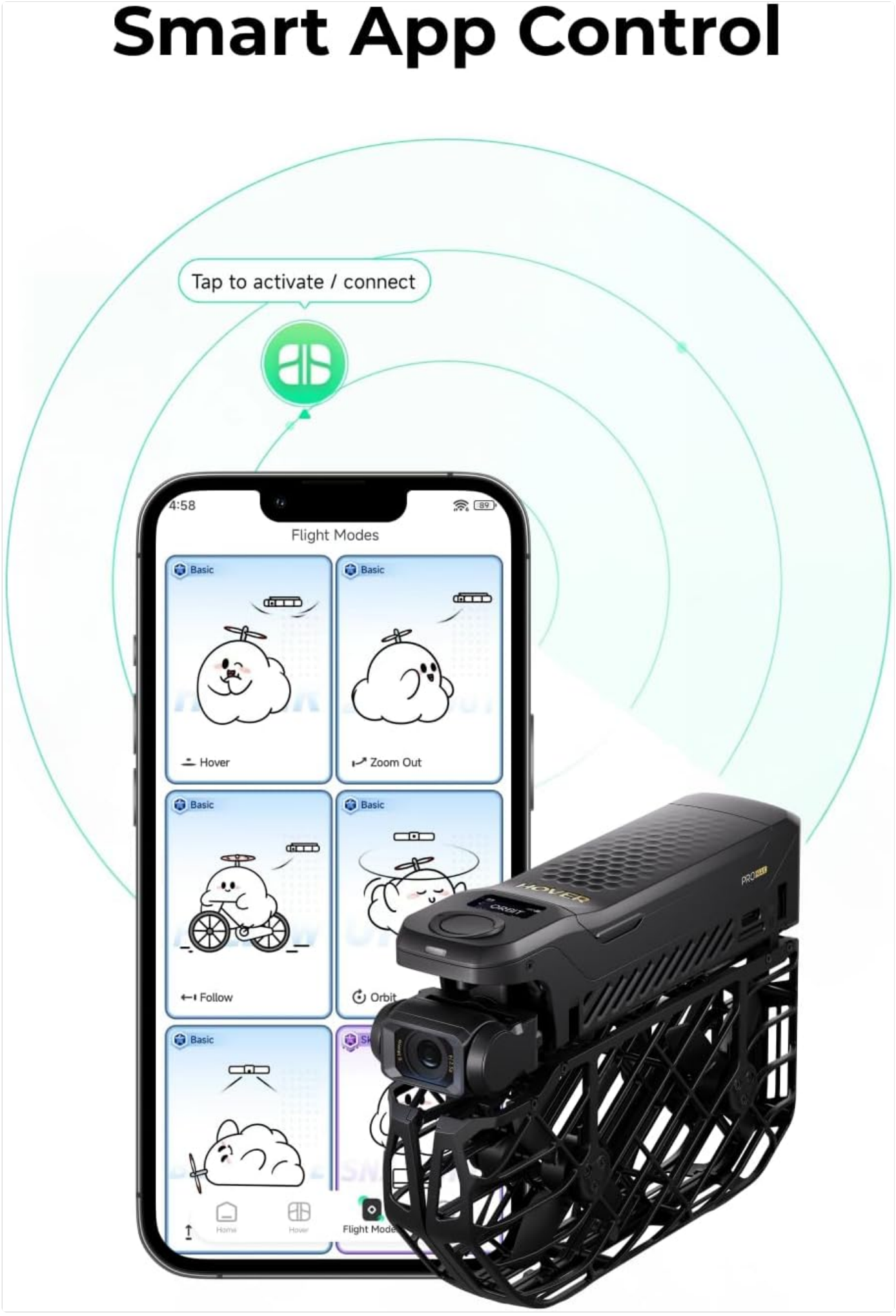


Figure 2: Illustration of the HOVERAir X1 PRO connected to a smartphone displaying the Smart App Control interface. The app provides access to various flight

Operating Instructions

1. Pre-Flight Checklist

- Ensure the battery is fully charged.
- Check propellers for any damage or obstructions.
- Verify the drone is unfolded correctly and securely.
- Ensure you are in an open area, free from obstacles, people, and animals.
- Check local regulations for drone operation.

2. Hands-Free Takeoff and Landing

The HOVERAir X1 PRO is designed for hands-free operation. To initiate takeoff, simply press the dedicated button on the drone or use a voice command (if configured). The drone will automatically ascend and hover. For landing, extend your hand, and the drone will gently descend and land on your palm, or use the designated landing command via the app.


Go With You Anywhere
Foldable & Portable
Safe & Enclosed
HOVER
One-click takeoff

Figure 3: Demonstrates the HOVERAir X1 PRO's compact, foldable design for portability and its safe, enclosed propeller structure. The image also highlights the one-click takeoff button, simplifying the launch process.

3. Flight Modes

The HOVERAir X1 PRO offers over 10 fully automatic flight modes to capture diverse footage:

- **Hover:** Maintains a stable position in the air.
- **Zoom Out:** Flies backward and upward to reveal the surrounding environment.
- **Follow:** Tracks a designated subject, maintaining a set distance and angle. The enhanced chip and tracking algorithm ensure the subject remains centered, even during high-speed activities like cycling or skiing.
- **Dolly Track:** Moves parallel to the subject, maintaining a consistent distance.
- And more, accessible via the HOVERAir app.

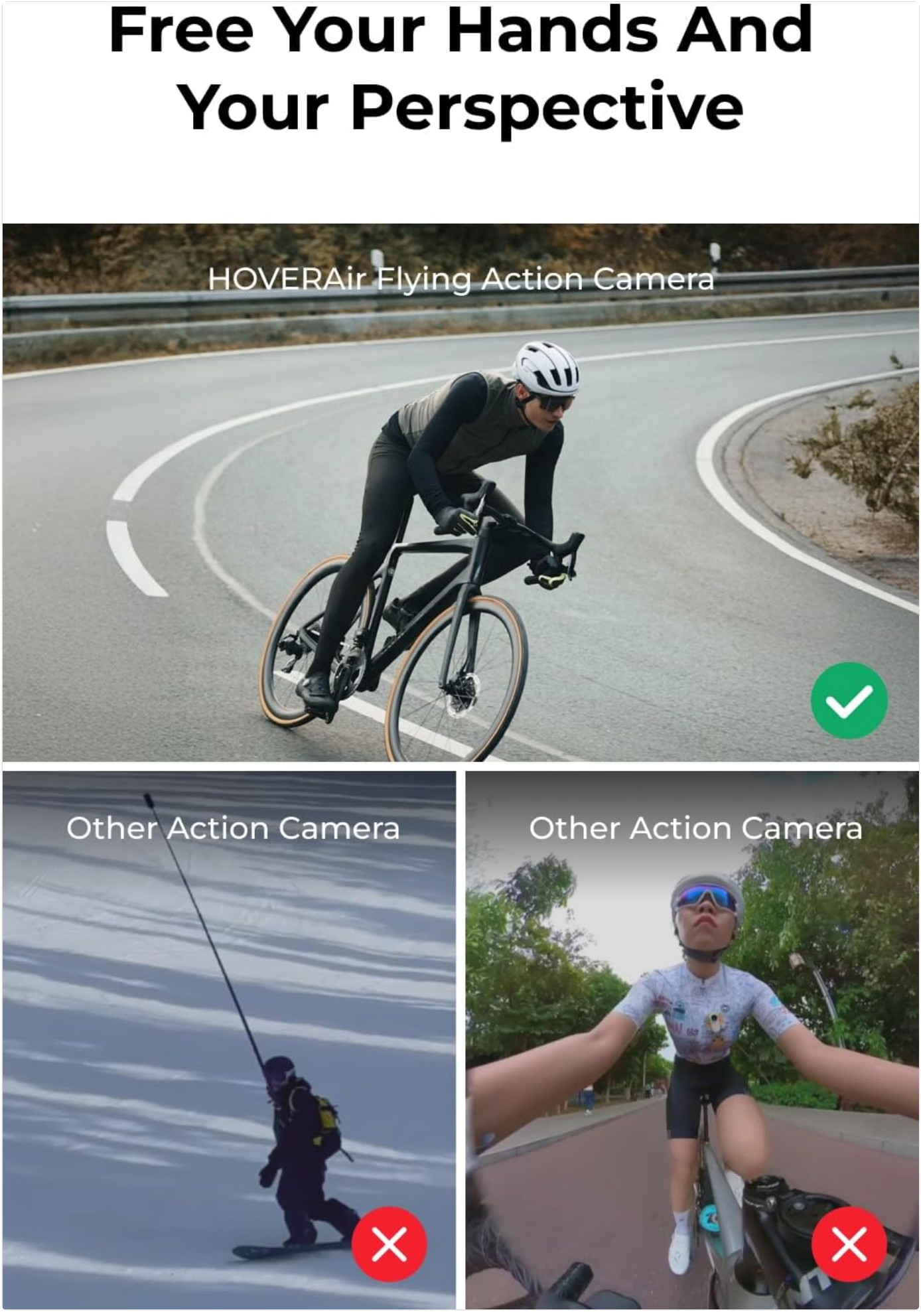


Figure 4: The HOVERAir X1 PRO drone autonomously follows a cyclist on a road, demonstrating its ability to capture dynamic action footage without manual control. This highlights the "Free Your Hands And Your Perspective" feature.

4. Camera Operation and SmoothCapture 2.0

The integrated 4K camera captures stunning video at 60 frames per second (4K@60fps horizontal, 2.7K@60fps vertical). SmoothCapture 2.0 technology, featuring a two-axis gimbal with Electronic Image Stabilization (EIS) and Horizon Leveling (HL), ensures steady and smooth footage even during movement. The 104° FOV lens provides a wide perspective for action-packed moments.

HOVERAir

X1 PRO | PRO MAX

4K Action Camera

Horizontal: 4K@60fps, Vertical: 2.7K@60fps



Figure 5: The HOVERAir X1 PRO drone captures a mountain biker mid-air, showcasing its capability to record high-quality 4K action footage. This image emphasizes the drone's suitability for dynamic outdoor activities.

5. OmniTerrain Capability

The innovative OmniTerrain feature allows the HOVERAir X1 PRO to operate effectively across various environments, including snow, water, and cliffs. This ensures reliable performance and versatile capture opportunities regardless of the terrain.


OmniTerrain
Cliff Ready
Water Ready
Snow Ready

Figure 6: Depicts the HOVERAir X1 PRO's OmniTerrain capabilities across three different environments: a cliffside, a swimming pool, and a snowy mountain. This illustrates the drone's versatility for various outdoor adventures.

6. Speed and Performance

The X1 PRO features an upgraded aerodynamic design, minimizing drag and allowing it to reach follow speeds of up to 42 KM/H (26 mph) and a top burst speed of 60 KM/H. This design ensures it can keep pace with fast-moving subjects.

Maintenance

1. Cleaning

Regularly clean the drone's body, propellers, and camera lens. Use a soft, dry cloth for the body. For the lens, use a specialized lens cleaning cloth and solution to avoid scratches. Ensure no dust or debris accumulates in the propeller guards or motor areas.

2. Battery Care

- Store batteries in a cool, dry place away from direct sunlight.
- Do not overcharge or over-discharge the battery.
- If storing for extended periods, charge the battery to approximately 50% capacity.
- Avoid exposing the battery to extreme temperatures.

3. Propeller Inspection

Before each flight, inspect the propellers for any cracks, bends, or signs of wear. Damaged propellers can affect flight stability and safety. Replace any damaged propellers immediately using genuine HOVERAir replacement parts.

Troubleshooting

Problem	Possible Cause	Solution
Drone does not power on.	Low battery; Power button not pressed correctly.	Charge the battery fully; Press and hold the power button firmly for a few seconds.
Cannot connect to the app.	Bluetooth/Wi-Fi off; App not updated; Drone not in pairing mode.	Ensure Bluetooth and Wi-Fi are enabled; Update the HOVERAir app; Restart both drone and phone.
Unstable flight.	Damaged propellers; Strong winds; Calibration needed.	Inspect and replace damaged propellers; Fly in calm conditions; Perform IMU calibration via the app.
Poor image/video quality.	Dirty lens; Insufficient lighting; SD card issues.	Clean the camera lens; Ensure adequate lighting; Check SD card for errors or replace if necessary.

Specifications

Feature	Detail
Brand	HOVERAir
Model	X1 PRO

Feature	Detail
Video Resolution	4K@60fps (Horizontal), 2.7K@60fps (Vertical)
Image Stabilization	Two-axis gimbal with EIS (Electronic Image Stabilization) and HL (Horizon Leveling)
FOV (Field of View)	104°
Max Follow Speed	42 KM/H (26 mph)
Top Burst Speed	60 KM/H
Flight Modes	10+ automatic modes (Hover, Zoom Out, Follow, Dolly Track, etc.)
Terrain Capability	OmniTerrain (snow, water, cliffs)
First Available Date	April 22, 2025

Warranty and Support

HOVERCare Basic X1 PRO

Your HOVERAir X1 PRO Standard bundle includes HOVERCare Basic X1 PRO (One Year Version). This care plan provides additional support and coverage for your device.

Eligibility for HOVERCare:

- The drone must be new and unused, or have been connected to the device via the HoverX1 app within one month after activation.
- If more than one month has passed since activation, HOVERCare eligibility will expire.

HOVERCare Eligibility

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Figure 7: Details the eligibility requirements for the HOVERCare service plan, emphasizing the activation timeframe for new devices.

Customer Support

For further assistance, technical support, or warranty claims, please visit the official HOVERAir website or contact their customer service team. Refer to the product packaging or the HOVERAir app for specific contact details.
Online Resources: HOVERAir Official Store

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