HOVERAir

X1 PRO PROMAX

Disclaimer and Safety Instructions



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このQRコードをスキャンして、多言語の説明を表示します。
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Scannen Sie diesen QR-Code, um mehrsprachige Anweisungen anzuzeigen.
Escanee este código QR para ver las instrucciones multilingües.
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Отсканируйте этот QR-код, чтобы просмотреть многоязычные инструкции.



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Disclaimer and Warnings

- This manual contains important information on safe and proper use. Please read this manual carefully before using the product to understand your legal rights and responsibilities. The HOVEAir XI PRO/MAX is a micro flying camera with photo and video capabilities. This product is not a toy and should not be operated by individuals who may pose a safety risk including but not limited to:
 - 1. Minors under the age of 18 should use this product under the supervision of parents, guardians, or professionals.
 - 2. Individuals under the influence of alcohol, illegal drugs, medication, dizziness, fatigue, or other physical or mental conditions that may impair their ability to operate the product safely.
 - 3. During flight, maintain a safe distance from obstacles, people, animals, buildings, public facilities, trees, and bodies of water.
- Before using this product, please read this manual carefully to understand its features. Users agree to use this product only for safe and legal purposes. Improper use may cause property damage, accidents, or injuries. Users agree to be responsible for their actions and any consequences. By using this product, users acknowledge that they have understood, accepted, and agreed to all terms and conditions in this manual, as well as any policies or treaties set by Shenzhen Zero Zero Infinity Technology Co., Ltd. (referred to as 'Zero Zero Technology').
- Unless explicitly stated otherwise, any advice or information obtained from related policies, treaty guidelines, products, product accessories, or other sources does not apply to any warranty of this company or its products. The user bears full responsibility for all risks and injuries resulting from the use of or access to the product, product accessories, or materials. Zero Zero Technology reserves the final right to interpret this document to ensure compliance with laws and regulations. Zero Zero Technology reserves the right to undate, modify or terminate this disclaiment and safety manual.

Safety Guidelines

Flight Environment

This product must be flown in areas where general flight is legally permitted. Flight area restrictions include but are not limited to:

- 1. When the 'OmniTerrain' indicator is off, this product relies on its visual positioning system. In this case, please follow these guidelines:
- This product is suitable for flight altitudes between 0.5 and 15 meters (1.6 to 49.2 feet) when there is sufficient ground texture.
- Flying in low-light conditions is prohibited. When ground brightness is low (<15 lux, e.g., nighttime environments), the visual positioning system may fail.
 Please note that unclear ground patterns may cause the visual system to malfunction. Exercise caution when operating the flying camera in any of the following conditions: monochrome surfaces, water or transparent surfaces, highly reflective surfaces, areas with frequently changing lighting, very dark or very bright surfaces, and areas with moving objects underneath.
- The visual sensors at the bottom of the product should be kept clean at all times. Do not cover or obstruct the visual sensors
- Avoid operating the product in areas with significant elevation changes, such as flying out of windows in high-rise buildings.
- 2. Do not use the flying camera in severe or extreme weather conditions. Extreme weather includes strong winds (wind speed exceeding level 5), snow, rain, heavy fog, gales, hall, lightning, tornadoes, and typhoons.
- 3. Do not use this product in environments below -10°C (14°F) or above 40°C (104°F).
- 4. Do not operate the product in no-fly zones.
- 5. When flying at altitudes above 2500m (8202 feet), the product's flight performance may be affected due to reduced air density. Please fly with caution. Do not fly in areas above 5500m (18,044 feet) in altitude.
- 6. When taking off in deserts, beaches, or other areas with many solid particles, please operate the flying camera carefully to prevent solid particles from entering the body or components of the flying camera.
- 7. Do not take off from moving objects (such as moving vehicles, boats, etc.).

Wireless Communication

When using the wireless remote control function, ensure that you operate this product under conditions where wireless communication can function normally. Please note the following limitations:

- Ensure flight in open areas without obstacles to avoid interference with satellite positioning system signals and the flying camera's compass from buildings, mountains, or forests.
- 2. Do not fly near areas with magnetic or radio interference. These areas include, but are not limited to, Wi-Fi hotspots. Bluetooth devices, high-voltage power lines, high-voltage transformer stations, radar stations, mobile base stations, and broadcast towers. If used in areas with high interference, the flying camera may malfunction or become uncontrollable. These abnormal behaviors may result in decreased product performance or errors in image transmission.

Pre-Flight Checklist

Before using this product, please ensure that you fully understand all functions, flight requirements, and relevant government regulations, including but not limited to:

- 1. Confirm that the product is fully charged before flight.
- 2. Before using the product, inspect the flying camera body and accessories, including but not limited to the protective frame, motors, battery, propellers, gimbal, and other flight-related accessories to ensure they are functioning properly.
- 3. Ensure that the product's firmware and the Hover XI App are updated to the latest versions.
- 4. Please read the product information, including manuals such as the "HOVERAir XI PRO/HOVERAir XI PROMAX Disclaimer and Safety Manual." "HOVERAIr XI PRO/HOVERAIr XI PROMAX Quick Start Guide." and "HOVERAIr XI PRO/HOVERAIr XI PROMAX Battery Safety Manual" to familiarize yourself with the product, its operation, and features
- 5. You can set the lost connection return behaviour to either [Hover] or [Return to Home] in the Hover App. Go to Manual Control, then click the settings button at the top-right corner, select Operation Settings, and choose Safety Settings. If HOVERAIR loses connection with the controller during flight, it will automatically return to home or hover in place, based on the settings you have configured.
- 6. If the device encounters a malfunction, the status indicator will show a steady yellow light, and the screen will display relevant error information.

(For example: If the compass malfunctions and requires calibration, the screen will display "Compass error. Please calibrate the IMU using the app.")

Pre-flight / Post-flight Check:

- 1. Ensure the smart battery and propellers are properly installed and secure.
- 2. Ensure the flying camera has enough battery
- 3. Ensure the flying camera's motors and gimbal are functioning properly.

Operating this Product

Always follow safety rules to use this product correctly. You are responsible for any issues, injuries, or damages caused by improper use. Proper use includes but is

- 1. Stay away from spinning propellers and motors.
- Check the flight environment for this product. See the "Flight Environment" section.
- 3. Use the product in an area without obstacles. Watch your surroundings during flight to prevent accidents.
- 4. Check if the flying camera is working properly and if the battery has enough charge to ensure it can be turned off correctly. Shutting down due to wrong procedures or low battery may cause data loss or damage to recorded images. Zero Zero Technology is not responsible for any data loss or damage.
- 5. Do not apply pressure when operating the gimbal.
- 6. Zero Zero Technology is not responsible for any issues, injuries, or accidents caused by using non-approved accessories 7. Do not modify or disassemble the product. You are responsible for any consequences of doing so.
- 8. Land your flying camera immediately when there is a low battery alert or strong wind warning.
- 9. During automatic return, watch the surroundings and control the speed and height to ensure safe return.
- 10. This product does not feature omnidirectional obstacle avoidance capabilities. Please be cautious during flight.

Flight Safety Warning

- 1. Loss of Signal: If the flying camera loses connection with the controller, a warning will be triggered. The flying camera will automatically return home or hover in place based on your settings.
- Low Battery: If the flying camera's battery is too low, a warning will be triggered. The flying camera will automatically land.
- Strong Wind Warning: If the flying camera encounters strong wind conditions, a warning will be triggered. The flying camera will automatically land. Collision Detection: If a severe collision is detected, a warning will be triggered. The flying camera will automatically land.
- 5. Insufficient Propulsion Power: When the flying camera reaches its power limit, a warning will be triggered, and the camera will automatically land.
- 6. Positioning Error: If the positioning system fails, a warning will be triggered. The flying camera will automatically land.

Precautions

resulting from such actions

- 1. Do not drop, throw, or attach dangerous substances to this product. Avoid using it in close proximity to buildings, crowds, or animals.
- 2. Discontinue use of this product if it has experienced a severe accident or exhibited abnormal behavior during flight.
- 3. Respect others' privacy when using this product. Obtain consent before capturing any images or videos. When using the flying camera for personal photography or videography, consider the privacy implications for yourself and others to prevent the unintended disclosure of personal information.
- 4. Adhere to local regulations governing drone flights. Do not use this product for any illegal or inappropriate activities, including but not limited to espionage
- military operations, or any other unlawful or unethical purposes. 5. For safety reasons, refrain from inserting fingers or foreign objects into the product's protective frame. You will be held responsible for any damage or injury

Product Maintenance

Maintenance and Storage

- 1. Store the flying camera in its protective case. Protect the product from impacts, severe electrical shocks, and prolonged exposure to sunlight. Keep the product in a cool, dry place away from direct sunlight
- 2. Keep the flying camera away from rain and other liquids. If the camera comes into contact with water, dry it thoroughly with a soft, absorbent cloth. Attempting to operate a flying camera that has been submerged in water may cause irreparable damage to the device and its components. Do not use alcohol, benzene, thinners, or other flammable substances for cleaning or storing this product. Avoid storing the product in damp or dirty environments. 3. Be catious of any battery abnormalities. If any irregularities occur, replace the battery immediately. For comprehensive battery maintenance and storage guidelines, please consult the "HOVERAir XI PRO/HOVERAir XI PROMAX Battery Safety Instructions".

Transportation Precautions

- 1. Suitable temperature for battery transportation: 23±5°C
- 2. Before bringing batteries on an aircraft, check local airport regulations and do not transport damaged or faulty batteries.

Flight Safety Restrictions

Local laws and policies related to flight restrictions vary by country and region. For more information, please contact local authorities.

Legal Flight Restrictions

- 1. Do not fly this product in or around no-fly zones designated by local laws and regulations.
- 2. Do not fly in areas where people gather, such as public performances or events.
- 3. The flying camera should always be within the operator's line of sight.
- 4. Do not use the flying camera to transport illegal or dangerous items
- 5. Before flying, understand the type of flight activity and check and follow all local laws and regulations, as actual laws may differ from those described in this manual. Do not engage in unauthorized or illegal flight activities that infringe on others' legal rights (e.g., privacy and publicity rights).

Flight Restrictions

- 1. You should use this product safely according to local laws and regulations. Keep the flying camera firmware and app updated to the latest version.
- 2. Flight restriction areas include, but are not limited to, major airports, major cities/areas, and event venues worldwide. Check and follow all local laws and regulations before operating this product.

Battery Safety Instructions

- Keep the battery away from liquids. Do not use the battery in rain or wet environments, as this may cause it to catch fire or explode.
- Do not use batteries that are not provided by Zero Zero Technology. Use only the official charging equipment provided by Zero Zero Technology.
- Do not use swollen, leaking, or damaged batteries. Contact our customer service if you encounter such issues.
- Use the battery in temperatures between -10°C (14°F) and 40°C (104°F). High temperatures may cause fire or explosion, and low temperatures may reduce battery performance.
- · Do not connect the battery improperly or pierce it with sharp objects
- . The battery contains highly corrosive liquid. In case of leakage, maintain a safe distance. If the liquid comes into contact with skin or eyes, rinse thoroughly with water and seek immediate medical attention.
- Keep the battery out of reach of children. If a child swallows any parts, seek medical help immediately.
- Do not use the battery again if it has been dropped or hit.

 If the battery catches fire, use the following extinguishing materials in this order: water or mist, sand, fire blanket, dry powder, or carbon dioxide extinguisher.
- The battery might be hot after flying. Let it cool down to room temperature before you charge it. You can charge the battery when it's between 5°C (41°F) and 40°C (104°F), but for the best battery life, aim for 15°C to 25°C (59°F to 77°F).
- Do not place the battery near heat sources, such as direct sunlight, a hot car, fire, or a heater,
- Avoid storing the battery completely drained for extended periods, as this can lead to over-discharge, damaging the battery cells and rendering it unusable.
- If the battery is very low and left unused for an extended period, it will enter deep sleep mode. To reactivate it, simply charge the battery
- When not using the flying camera, store the battery properly. Storage conditions: 40%-60% charge, temperature 15°C to 25°C (59°F to 77°F), and humidity 45% RH to 75% RH

Flight Regulations - Remote ID System

The Remote ID system ensures safe flight operations. During flight, the flying camera transmits essential identification information, such as your registration number and location, to authorities, airspace users, and the public, as required by regulations. Before use, ensure the flying camera is registered per local laws and the RID system is functioning properly

Pre-flight Self-Test (PFST)

Before use, ensure the flying camera is registered per local laws and the RID system is functioning properly. The flying camera will automatically start Pre-flight Self-Test (PFST). The flying camera will automatically start the Pre-flight Self-Test (PFST). A solid green indicator means PFST passed, while a blinking purple indicator means PEST failed

RID Malfunction

- If the RID system malfunctions in flight, the front light of HOVERAIR will blink purple.
- 2. Operate with Hover App: If the RID system malfunctions before takeoff/in flight, a warning message will appear on the control device (Hover App/Beacon) screen. 3. Operate with Remote Control: If the RID system fails before takeoff/in flight, a RID warning message will appear at the top of the control device's screen.

RID Emergency Status

Low Battery: The flying camera will automatically land if the battery is too low.

Loss of Connection: If the flying camera loses connection with the controller, it will return to home or hover, based on your fail-safe settings.

EU Compliance Notice: We, Shenzhen Zero Zero Infinity Technology Co., Ltd. hereby, declare that the UAS HOVERAir XI PRO and HOVERAir XI PROMAX is of class CO, and in compliance with the RED Directive 2014/53/EU, RoHS Directive 2011/65/EU and UAS Delegated Regulation 2019/945/EU amended by Delegated Regulation 2020/1058/EU.

The full EU declaration of conformity is accessible at the following website: https://hoverair.com/pages/support-compliance

Aerial Vehicle Flight Regulations

Unmanned Aerial Vehicle (UAV) Flight Regulations | JAPAN

(1) Aircraft Registration

As part of the regulations for flying unmanned aerial vehicles, a mandatory UAV registration system was introduced on June 20, 2022. According to this rule, under the Aviation Law, registering the UAV before flight is generally required, except for cases such as UAVs weighing less than 100g or those exempt from registration under Article 132-2 of the Aviation Law (e.g., test flights reported to the Minister of Land, Infrastructure, Transport, and Tourism).

(2) UAV Registration and Remote ID Function

In principle, all UAVs weighing 100g or more must be registered with the Ministry of Land, Infrastructure, Transport, and Tourism (MLIT), Each UAV must display a registration number for identification purposes. Additionally, UAVs must be equipped with a Remote ID function that transmits identification information remotely via radio waves.

(3) Regulations Under the Aviation Law

Under the Aviation Law UAV flights in certain airspaces or using specific methods as shown in the diagram below are considered "special flights" in these cases, UAV flights cannot be conducted without receiving prior approval or authorization from the Minister of Land, Infrastructure, Transport, and Tourism.

Airspace Requiring Permission

- Around airports and similar locations.
- Above densely populated areas.
- Airspace 150 meters or more above the ground or water surface.
- Emergency operations airspace.



(Source: Ministry of Land, Infrastructure, Transport, and Tourism)

Flight Methods Requiring Approval

- Flight during nighttime
- Flight beyond visual line of sight.
- Flight where a distance of 30 meters or more cannot be maintained from people or property.
- Flight over event locations
- Flight transporting hazardous materials.
- Flight involving the dropping of objects from the UAV

However, for specific flights such as those over densely populated areas, at night, beyond visual line of sight, or where a distance of less than 30 meters from people or property is maintained, if the maximum takeoff weight of the unmanned aerial vehicle to be flown is less than 25kg, approval and authorization may not be required under the following conditions: access control measures are taken, the flight is conducted by a UAV pilot who has received a skill certification, the UAV is a certified aircraft, and necessary measures are taken to ensure flight safety, such as the creation of a flight manual.

(4) Regulations under the Small UAV Flight Prohibition Law

Under the Small UAV Flight Prohibition Law, even UAVs weighing less than 100g are prohibited from flying over important facilities and their surrounding areas, generally within 300 meters, except under certain conditions.

The important facilities subject to this regulation are as follows:

Nationally important facilities (such as the National Diet Building, the Prime Minister's Official Residence, the Supreme Court, the Imperial Palace, etc.)

- Foreign diplomatic missions (as designated by the Minister for Foreign Affairs)
- Defense-related facilities (as designated by the Minister of Defense)
- Airports (as designated by the Minister of Land, Infrastructure, Transport, and Tourism)
- · Nuclear facilities (as designated by the National Public Safety Commission)

Note: The above rules provide an overview of the legal regulations regarding drones. Our company does not assume any responsibility for the flight of our products. When operating our products, we users are advised to be fully aware of and comply with not only the regulations mentioned above but also other relevant laws and ordinances (including local regulations). Users are responsible for ensuring they have the latest and most accurate information and for flying the UAV at their own risk.

(Reference Links)

- · Flight Permission and Approval Application: https://www.mlit.go.jp/koku/koku fr10 000042.html (Source: Ministry of Land, Infrastructure, Transport, and Tourism)
- Unmanned Aerial Vehicle Registration Portal: https://www.mlit.go.jp/koku/drone/ (Source: Ministry of Land, Infrastructure, Transport, and Tourism)
- · Aircraft Certification: https://www.mlit.go.jp/koku/certification.html (Source: Ministry of Land, Infrastructure, Transport, and Tourism)
- UAV Pilot Skill Certification: https://www.mlit.go.jp/koku/license.html (Source: Ministry of Land, Infrastructure, Transport, and Tourism)
- Small UAV Flight Prohibition Law: https://www.npa.go.jp/bureau/security/kogatamujinki/index.html (Source: National Police Agency)

Links to Related Websites

- 1. Drone Information Infrastructure System 2.0 (DIPS 2.0): https://www.ossportal.dips.mlit.go.jp/portal/top/
- 2. UAV Flight Rules: https://www.mlit.go.jp/koku/koku_tk10_000003.html
- 3. Guidelines for Safe UAV Operation: https://www.mlit.go.jp/common/001303818.pdf

無人航空機の飛行ルール

無人航空機の飛行ルール JAPAN

(1)機体登録について

無人航空機を飛行させるためのルールとして、2022年6月20日から無人航空機の機体登録制度が始まりました。

このルールにより、航空法上、無人航空機を飛ばす前には、原則として機体の登録が必要です(ただし、その重量が 100g 未満のもの、航空法第 132 条の2のただし書に基づきその飛行に当たって登録が免除されているもの(国土交通大臣に届け出た試験飛行を行う場合等)等の場合を除きます。)。

(2)無人航空機の登録及びリモートID機能の搭載について

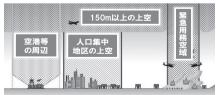
原則として、重量が100g以上のすべての無人航空機が国土交通省への登録の対象となり、無人航空機を識別するための登録記号を機体に表示しなければなりません。また、各機体の識別情報を電波で遠隔発信するリモートID機能を機体に備えなければなりません。

(3) 航空法による規制について

航空法上、以下の図に示す空域や方法で無人航空機を飛行させる「特定飛行」の場合、原則として、国土交通大臣の許可・承認を受けなければ、無人航空機を飛行させることはできません。

● 許可が必要な空域

- ・空港などの周辺。
- 人口集中地区の上空。
- ・地表面又は水面から150m以上の空域。
- 緊急用務空域。



(出典:国土交通省)

● 承認が必要な飛行の方法

- ・夜間での飛行。
- 目視の範囲外での飛行。
- 人又は物件から30m以上の距離が確保できない飛行。
- ・催し場所上空の飛行。
- ・危険物を輸送する飛行
- 無人航空機から物件を投下する飛行。













(出典:国土交通省)

もっとも、特定飛行のうち人口集中地区の上空、夜間、目視外、人又は物件との距離が30m未満の飛行であって、飛行させる無人航空機の最大離陸重量が25kg未満 の場合については、立入管理措置を講じた上で、無人航空機操縦士の技能証明を受けた者が機体認証を受けた無人航空機を飛行させる場合、飛行マニュアルの作 成等無人航空機の飛行の安全を確保するために必要な措置を講じることにより、許可・承認を不要とすることができます。

(4) 小型無人機等飛行禁止法による規制について

小型無人機等飛行禁止法により、100g 未満のものであっても、重要施設の敷地・区域の上空及びその周辺おおむね300mの上空においては、原則としてドローンを 飛行させることはできません。

その対象となる重要施設は、以下のとおりです。

- ・国の重要な施設等(国会議事堂、内閣総理大臣官邸、最高裁判所、皇居等)
- ·外国公館等(外務大臣指定)
- 防衛関係施設(防衛大臣指定)
- ·空港(国土交通大臣指定)
- ·原子力事業所(国家公安委員会指定)

※上記ルールは、ドローンに関する法的規制の概要を記したものであり、当社において当社の製品の飛行に関する何らの責任は負いかねます。実際に当社の製品を飛 行させる際には、ご利用者様におかれても、上記以外の関係法令(条例も含む)も含め、最新かつ正確な情報を把握し、その責任において飛行いただきますようお願い いたします。

(参考リンク)

- ・飛行許可・承認申請:https://www.mlit.go.jp/koku/koku fr10 000042.html(出典:国土交通省)
- ・無人航空機登録ポータルサイト: https://www.mlit.go.jp/koku/drone/(出典:国土交通省)
- ・機体認証: https://www.mlit.go.jp/koku/certification.html (出典:国土交通省)
- ·無人航空機操縦者技能証明: https://www.mlit.go.jp/koku/license.html (出典:国土交通省)
- 小型無人機等飛行禁止法関係: https://www.npa.go.ip/bureau/security/kogatamujinki/index.html(出典:警察庁)

関連サイトへのリンク

1 ドローン情報基盤システム2 0 (DIPS2 0):

https://www.ossportal.dips.mlit.go.jp/portal/top/

2. 無人航空機の飛行ルール

https://www.mlit.go.jp/koku/koku_tk10_000003.html 3. 無人航空機の安全な飛行のためのガイドライン

https://www.mlit.go.jp/common/001303818.pdf

Warning / Warnung / Advertencia / Avvertenza / Avertissement / Varning / Ostrzeżenie / Waarschuwing / Advarsel / Varoitus / Advarsel



AGES/ALTER/EDAD/ETA/ÂGES/ÂLDER/ WIEK/LEEFTIJD/ACES/ACES/ACES

14+

Please read the user manual and all related instructions carefully before using any HOVERAir product. Bitte lesen Sie das Benutzerhandbuch und alle damit verbundenen Anweisungen sorgfältig

durch, bevor Sie ein HOVERAir-Produkt verwenden. Por favor, lee ein manual del usanio y todas las instrucciones relacionadas cuidadasamente antes de utilizar cualquier producto HOVERAir. Si prega di leggere attentamente il manuale dell'utente e tutte le istruzioni correlate prima di Si prega di leggore attentamente il manuale dell'utente e tutte le istruzioni correlate prima di Vauillez lire attentivement le manual de l'utilisateur et toutes les instructions associées avant d'utiliser un produit HOVERAIr.

Vänligen läs användarmanualen och alla relaterade instruktioner noggrant innan du använder någon HOVERAir-produkt.

arwanoer nagon HOVENAIT-produkt.
Proszę dokładnie przeczytać podrecznik użytkownika i wszystkie powiązane instrukcje przed użyciem jakiegokolwiek produktu HOVERAII.
vordat u ean HOVERAII-product gebruikt.
Les brukerhandboken og alle tilhorende instrukcjoner noye for du tar i bruk et HOVERAII-produkt.

Lue käyttöopas ja kaikki siihen liittyvät ohjeet huolellisesti ennen HOVERAir-tuotteen käyttöä. Lass brugerveljedningen og alle tilhørende instruktioner omhyggeligt, før du bruger et HOVERAir-produkt.

Product not suitable for children under 14 years old. Produkt nicht für Kinder unter 14 Jahren geeignet. El producto no es adecuado para niños menores de 14 años. El prodotto non è adatto per bambini di età inferiore ai 14 anni. Le produit n'est pas adapté aux enfants de moins de 14 ans. Produiten à rinte lamplig for barn under 14 ar. Produiten à rinte lamplig for barn under 14 ar. Produiten à ris niet geschiit voor kinderen onder de 14 jaar oud. Tude ei sovellu alle 14-vuotiaille lapsilie. Tude ei sovellu alle 14-vuotiaille lapsilie.

