

Disclaimer, General Instructions and Safety Guidelines



version 1.0

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1 General

Fly4Future ready-to-fly unmanned aerial vehicles (UAVs) are highly specific products determined for carrying out various missions. They can be used in manual, automatic, semi-autonomous and autonomous flight control modes. They can be equipped with a set of specific sensors suitable for the particular application.

This product incorporates various advanced control technologies. However, inappropriate use of the product could result in personal injury or property damage. Please read the materials associated with the product before your first use of the product.

In order to serve you properly, Fly4Future products need to be regularly checked and properly operated and maintained. Make sure you read and understand all the sections of this Disclaimer, General Instruction and Safety Guidelines. Provide this manual to all personnel who use Fly4Future aerial platforms.

1.1 Before Your First Take Off

The following documents have been produced to help you safely operate and make full use of your aerial platform:

- Fly4Future Disclaimer, General Instructions and Safety Guidelines
- Fly4Future User Manual for the individual product (only for specific platforms)

Check all of the included parts listed in the User Manual and read Disclaimer, General Instructions and Safety Guidelines before flight. Make sure you fully understand the functionality of each individual part, the flight condition requirements, the key contingency warning functions/systems, and all relevant laws and regulations before each flight. If you have any questions or problems during the assembly, maintenance or use of this product, please contact Fly4Future.

Read the User Manual to become familiar with the features of your Fly4Future product before operation. It is essential to read and follow all of the instructions in the User Manual or instructions provided by Fly4Future, prior to assembly, setup or use, in order to operate the product correctly and avoid damage or serious injury. Failure to operate the product correctly can result in damage to the product or personal property and cause serious injury.

Fly4future UAV platforms are sophisticated products. They must be operated with caution and common sense and require some basic mechanical ability. Failure to operate Fly4Future products in a safe and responsible manner could result in injury or damage to the products or other property.

Fly4Future products are not intended for use by children. Adults should keep the aircraft out of the reach of children and exercise caution when operating this aircraft in the presence of children.

1.2 Modifications

All Fly4Future UAV platforms are easily serviceable and modifiable. DO NOT use incompatible components or alter this product in any way if you are not 100 % sure of its compatibility or unless otherwise allowed by Fly4Future.




In case you need any modifications on your Fly4Future UAV platform, please contact Fly4Future.

1.3 Warranty Conditions

The warranty conditions are regulated in the Fly4Future General Terms and Conditions. The General Terms and Conditions are available online on the official website: <https://fly4future.com/>

1.4 Glossary

The following terms and symbols are used throughout this document to indicate various levels of potential harm when operating this product and to indicate other important and useful information:

Symbol	Meaning
	WARNING: Procedures which, if not properly followed, create the probability of property damage, collateral damage, or serious injury OR create a high probability of serious injury.
	CAUTION: Procedures which, if not properly followed, create the probability of physical property damage AND a possibility of serious injury.
	Specific environmental and disposal requirements

2 Liability Disclaimer



The information in this document affects your safety and your legal rights and responsibilities. Read this entire document carefully to ensure proper configuration before use. Failure to read and follow the instructions and warnings in this document may result in serious injury to yourself or others, damage to or loss of your Fly4Future product, or damage to other objects in the vicinity.

By using this product, you hereby signify that you have read this disclaimer carefully and that you understand and agree to abide by the terms and conditions herein. THE PRODUCT AND ALL MATERIALS, AND CONTENT AVAILABLE THROUGH THE PRODUCT ARE PROVIDED “AS IS” AND ON AN “AS AVAILABLE” BASIS, WITHOUT WARRANTY OR CONDITION OF ANY KIND, EITHER EXPRESS OR IMPLIED. FLY4FUTURE DISCLAIMS ALL WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, RELATING TO THE PRODUCT, PRODUCT ACCESSORIES, AND ALL MATERIALS, INCLUDING: (A) ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, QUIET ENJOYMENT, OR NON-INFRINGEMENT; AND (B) ANY WARRANTY ARISING OUT OF COURSE OF DEALING, USAGE, OR TRADE. FLY4FUTURE DOES NOT WARRANT, THAT THE PRODUCT, PRODUCT ACCESSORIES, OR ANY PORTION OF THE PRODUCT, OR ANY MATERIALS, WILL BE UNINTERRUPTED, SECURE, OR FREE OF ERRORS, VIRUSES, OR OTHER HARMFUL COMPONENTS, AND DOES NOT WARRANT THAT ANY OF THOSE ISSUES WILL BE CORRECTED.

NO ADVICE OR INFORMATION, WHETHER ORAL OR WRITTEN, OBTAINED BY YOU FROM THE PRODUCT, PRODUCT ACCESSORIES, OR ANY MATERIALS WILL CREATE ANY WARRANTY REGARDING FLY4FUTURE OR THE PRODUCT THAT IS NOT EXPRESSLY STATED IN THESE TERMS. YOU ASSUME ALL RISKS FOR ANY DAMAGE THAT MAY RESULT FROM YOUR USE OF OR ACCESS TO THE PRODUCT, PRODUCT ACCESSORIES, AND ANY MATERIALS. YOU UNDERSTAND AND AGREE THAT YOU USE THE PRODUCT AT YOUR OWN DISCRETION AND RISK, AND THAT YOU ARE SOLELY RESPONSIBLE FOR ANY PERSONAL INJURY, DEATH, DAMAGE TO YOUR PROPERTY (INCLUDING YOUR COMPUTER SYSTEM OR MOBILE DEVICE OR FLY4FUTURE HARDWARE USED IN CONNECTION WITH THE PRODUCT) OR THIRD PARTY PROPERTY, OR THE LOSS OF DATA THAT RESULTS FROM YOUR USE OF OR INABILITY TO USE THE PRODUCT.

SOME JURISDICTIONS MAY PROHIBIT A DISCLAIMER OF WARRANTIES AND YOU MAY HAVE OTHER RIGHTS THAT VARY FROM JURISDICTION TO JURISDICTION.

Fly4Future accepts no liability for damage, injury or any legal responsibility incurred directly or indirectly from the use of this product. The user shall observe safe and lawful practices

including, but not limited to, those set forth in these Safety Guidelines. You shall be solely responsible for all your behaviors when flying Fly4Future products.

3 Pre-Flight Checklist



To avoid component malfunction, serious injury, and property damage, perform this checklist before each flight:

- Ensure the remote control device and flight battery are fully charged.
- Ensure the Flight Battery is mounted firmly.
- Ensure the propellers and propeller guards are in good condition and securely mounted and tightened. Ensure the propellers are mounted in the right direction.
- Ensure there is nothing obstructing the motors and that the motors are functioning normally.
- Ensure that you are using only genuine parts and that all parts are in mint condition.
- If prompted, follow the instructions to calibrate the Inertial Measurement Unit (IMU).
- Ensure that your flight area is outside the No Fly Zones and flight conditions are suitable for flying the aircraft.
- Ensure that your planned flight will not contravene any laws or regulations, and that you have obtained all appropriate authorizations. REMEMBER: Understand the risks. It is solely your responsibility to comply with all laws and regulations.
- Be sure that you are NOT under the influence of alcohol, drugs or any substance that may impair your cognitive abilities.
- Be sure that you are familiar with the selected flight mode and understand all safety functions and warnings.
- Ensure that you are familiar with the aircraft control.

4 Product Care & Individual Parts Care

The set of components/sensors equipped on Fly4Future UAV platform may vary according to the individual requirements. Please refer to the order of your Fly4Future product in order to check which components are included on your specific Fly4Future product.

4.1 Regarding Genuine and Functional Parts



To avoid component malfunction, serious injury, and property damage, observe the following rules:

- Use only genuine parts or parts approved by Fly4Future. Unauthorized parts or parts from not verified manufacturers may cause system malfunctions and compromise safety.
- Ensure there are no foreign objects (such as water, oil, soil, or sand) inside of the aircraft or its components.
- Ensure the aircraft and its components – including but not limited to the cameras, rangefinder, on-board computer, GNSS antenna, IMU, flight controller, LIDARs, propulsion system, and flight battery – are all in good working order, damage-free, and functioning well. Refer to the remaining sections in this document for more details on how to ensure the functionality of these components.

4.2 Camera

- Check camera settings before use to make sure you can adjust them to fit your needs.
- Test the camera by shooting a few test images and check that it is operating correctly before shooting important pictures or videos.
- Photos or videos cannot be transmitted or copied from the camera if the aircraft is powered off.
- Regardless of the reason, Fly4Future will not be responsible for any failure of an image or video to be recorded.

4.3 Propulsion System



To avoid serious injury to yourself or others, which may be caused by rotating propellers or motors, observe the following rules:

- Use the correct propellers and propeller guards only.
- DO NOT use aged, chipped, or broken propellers or propeller guards.
- Always power off or disarm the aircraft before touching the propellers.

- Ensure the propellers and propeller guards are securely mounted and tightened to prevent them from falling off.
- Ensure the motors are securely mounted and rotating smoothly.
- DO NOT attempt to modify the structure of the motors.
- DO NOT touch or let your hands or body come in contact with the motors after flight as they may be hot.
- Stay away from rotating propellers and motors.



To avoid possible serious injury and property damage, observe the following rules:

- Always use the right tool when mounting or removing propellers. Be aware of the sharp edges of the propellers. Wear gloves or take other protective measures when touching the propellers.
- DO NOT block any of the ventilation holes on the motors.
- DO NOT block any of the ventilation holes on the body of the aircraft.
- Keep the motors free of dust.
- If a motor is stuck and unable to rotate freely, land the aircraft immediately.

4.4 Flight Batteries



To avoid fire, serious injury, and property damage, observe the following safety rules and guidelines when using, charging, or storing flight batteries.

4.4.1 Battery Use

- DO NOT allow Flight Batteries to come into contact with any kind of liquid. DO NOT leave Flight Batteries out in the rain or near a source of moisture. DO NOT drop Flight Batteries into water. If the inside of a Flight Battery comes into contact with water, chemical decomposition may occur, potentially resulting in the Flight Battery catching on fire, and possibly leading to an explosion.
- Never use batteries from non-approved manufacturers. Fly4Future takes no responsibility for any damage caused by batteries not directly provided by Fly4Future.
- Never use or charge swollen, leaky, or damaged Flight Batteries. If your Flight Battery is abnormal, contact Fly4Future for further assistance.
- Flight Batteries should be used in the temperature range 32° to 104° F (0° to 40° C). Use of Flight Batteries in environments above 122° F (50° C) can lead to fire or explosion. Use of Flight Batteries below 32° F (0° C) can lead to permanent damage. Never use a Flight Battery when the temperature is too high or too low.

- DO NOT use Flight Batteries in strong electrostatic or electromagnetic environments otherwise the battery control board may malfunction and cause a serious accident during flight.
- Never disassemble or pierce a Flight Battery in any way or it may leak, catch fire, or explode.
- Electrolytes in Flight Batteries are highly corrosive. If any electrolytes make contact with your skin or eyes, immediately wash the affected area with fresh running water for at least 15 minutes, and then visit a doctor immediately.
- DO NOT use a Flight Battery if it was involved in a crash or heavy impact.
- If a Flight Battery falls into water with the aircraft during flight, take it out immediately and put it in a safe and open area. Maintain a safe distance from it until it is completely dry. Never use it again, and dispose of it properly as described in the Battery Disposal section below.
- DO NOT heat Flight Batteries. DO NOT put Flight Batteries in a microwave oven or in a pressurized container.
- DO NOT drop, strike, impale or manually short-circuit a Flight Battery. DO NOT place heavy objects on Flight Batteries.
- Clean flight battery terminals with a clean, dry cloth.
- Avoid flying the aircraft when the Flight Battery level is critically low, as this may lead to permanent battery damage.
- Put out any Flight Battery fire using sand or a dry powder fire extinguisher.
- Battery life may be reduced if not used for a long time.
- Fully charge and discharge Flight Batteries at least once every 3 months to maintain battery health.

4.4.2 Battery Charging

- Always use a certified battery charger. Fly4Future can provide a certified battery charger. Contact Fly4Future for further information.
- Never leave a Flight Battery unattended during charging.
- DO NOT charge a Flight Battery near fire, other heat sources, or flammable materials or on flammable surfaces such as carpet or wood.
- DO NOT charge a Flight Battery immediately after flight, because its temperature may be too high. DO NOT charge a Flight Battery until it cools down to near room temperature. Charging a Flight Battery outside of the temperature range 41° to 104° F (5° to 40° C) may lead to leakage, overheating, or battery damage. The ideal charging temperature range is 72° to 82° F (22° to 28° C).

- Disconnect your charger when not in use. Examine your charger regularly for damage to the cord, plug, enclosure, or other parts. DO NOT clean a charger with denatured alcohol or other flammable solvents. Never use a damaged charger.

4.4.3 Battery Storage

- Keep Flight Batteries out of the reach of children and pets.
- If a low battery warning appears, charge the Flight Battery until the Flight Battery level reaches between 30 and 60 % for long-time storage.
- Store Flight Batteries in a cool, dry place away from direct sunlight to ensure they do not overheat. Recommended storage temperature: between 71° and 82° F (22° and 28° C) for storage periods of more than three months. Never store in environments outside the temperature range 32° to 113° F (0° to 45° C).
- DO NOT leave a Flight Battery near heat sources such as a furnace or heater. DO NOT leave a Flight Battery inside of a vehicle on hot days.
- Keep Flight Batteries dry.
- Keep Flight Batteries away from metal objects such as spectacles, watches, jewelry, and hairpins.
- Flight Batteries are designed to stop charging when full. However it is good practice to monitor the charging progress and disconnect the Flight Batteries when fully charged.
- Discharge Flight Batteries to the range 40 to 65% if they will NOT be used for 10 days or more. This can greatly extend battery life.
- DO NOT store a Flight Battery for an extended period after fully discharging it. Doing so may over discharge it and cause irreparable battery cell damage.
- Remove Flight Batteries from the aircraft when stored for an extended period.

4.4.4 Battery Disposal



All components of Fly4Future products are made recyclable. Please follow the disposal instructions for batteries carefully:

- DO NOT place Flight Batteries in regular trash containers. Strictly follow your local regulations regarding the disposal and recycling of Flight Batteries. Dispose of Flight Batteries in specific recycling boxes only after a complete discharge.
- Dispose of a Flight Battery immediately if it cannot be powered on after over-discharging.

4.4.5 Travel Notice

- Never transport a damaged battery.

- Before carrying Flight Batteries on an airline flight, they must first be fully discharged. This can be done by using your aircraft until the battery is depleted.

5 Flight Condition Requirements

5.1 Weather Conditions and Surrounding Environment



The aircraft is designed to operate in good weather conditions. To avoid collision, serious injury and property damage, observe the following rules:

- DO NOT use the aircraft in adverse weather conditions such as rain, snow, fog, wind, smog, hail, lightning, tornadoes, or hurricanes.
- Only fly at locations where you can keep the aircraft away from obstacles, people, animals, buildings, public infrastructure, trees, and bodies of water when in flight.
- Check your Fly4Future UAV platform for flight conditions. DO NOT fly the aircraft inside a building if not equipped with a GNSS device.



To avoid possible serious injury and property damage, observe the following rules:

- Aircraft and battery performance is subject to environmental factors such as air density and temperature. Be very careful when flying 1,000 m (3,281 ft) or more above sea level, since battery and aircraft performance may be reduced.

5.2 Interference with Communications



Be very careful when flying in the areas where magnetic or radio interference may occur. These include but are not limited to: Wi-Fi hotspots, routers, Bluetooth devices, high voltage lines, high voltage power transmission stations, mobile base stations, and broadcasting towers. Flying in areas where interference may disrupt communication between the aircraft and the remote control device may adversely affect flight orientation and location accuracy and may potentially lead to loss of control. Interference may also lead to data downlink errors.

5.3 Operating the Aircraft Responsibly



To avoid serious injury and property damage, observe the following rules:

- DO NOT operate the aircraft if you are under the influence of anesthesia, alcohol, or drugs, or suffering from dizziness, fatigue, nausea, or any other condition, whether physical or mental, that could impair your ability to operate the aircraft safely.
- Upon landing, disarm the aircraft first, then switch off the remote control device.

- DO NOT drop, launch, fire or otherwise project any dangerous payloads on or at any buildings, persons or animals, or which could cause personal injury or property damage.
- Check every part of the aircraft after any crash or violent impact. DO NOT use an aircraft that is not in good condition. If you have any problems or questions, please contact Fly4Future.



To avoid possible serious injury and property damage, observe the following rules:

- Make sure you have been sufficiently trained and have contingency plans for emergency situations and for when accidents occur.
- Make sure you have a flight plan and never fly the aircraft recklessly.
- Respect the privacy of others when using the camera. Make sure you comply with local privacy laws, regulations, and moral standards. DO NOT conduct surveillance operations such as image capture or video recording on any person, entity, event, performance, exhibition, or property without authorization or where there is an expectation of privacy, even if the image or video is captured for personal use.
- DO NOT use it for any illegal or inappropriate purpose (such as spying, military operations, or unauthorized investigations).
- DO NOT use this product to defame, abuse, harass, stalk, threaten or otherwise violate the legal rights (such as the right of privacy and publicity) of others.
- DO NOT trespass onto private property of others.

6 Compliance with Regulations

6.1 Regulations



To avoid serious injury and property damage, observe the following rules:

- DO NOT operate in the vicinity of manned aircraft, regardless of altitude. (Land immediately if necessary.)
- DO NOT fly the aircraft in or at densely populated areas including cities, sporting events, exhibitions, and performances if you are not allowed to.
- DO NOT fly the aircraft above the relevant maximum altitude set forth in your local laws and regulations.
- Remain well clear of and DO NOT interfere with manned aircraft operations. Be aware of and avoid other aircraft and obstacles at all times.



To avoid law & regulations violation, observe the following rules:

- Make sure you understand the nature/type of your flight operation and have obtained corresponding approval and clearance from the related government agencies before flight. Consult with your local regulators for comprehensive definitions and specific requirements.
- Please note that remote-controlled aircraft may be banned from conducting commercial activities in certain territories and regions. Check and follow all local laws and regulations before flying as those rules may differ from those stated here.
- Please be advised that in certain areas, the recording of images and videos from events, performances, exhibitions, or commercial properties by means of a camera may contravene copyright or other legal rights, even if the image or video is shot for personal use.

7 General Recommendations

7.1 Flight

To avoid serious injury and property damage, observe the following rule:

- Do not use a rangefinder in ground distance higher than 10 meters.
- Only land the aircraft on flat surfaces.
- Watch out for potential obstacles in your surrounding area (especially on the rear, left, and right sides of the aircraft) and stay clear of them to avoid accidents.
- Maintain visual line of sight with your aircraft at all times and use an observer to assist if needed.

7.2 Low Battery

- When battery warnings are triggered, promptly bring the aircraft back or land the aircraft to avoid losing power during flight and causing damage to the aircraft, property, animals, and people.
- Use Voltage Testers with a buzzer provided by Fly4Future. It is a suitable way for battery voltage measurement and warning.

7.3 Autonomous Mode

- For autonomous missions, be prepared to take control of the aircraft anytime in case of an emergency or unexpected behavior.
- In case you use cameras for obstacle detection and avoidance, be extra cautious when in any of the following situations:
 - Flying close to monochrome surfaces (e.g. pure black, pure white, pure red, pure green);
 - Flying close to transparent surfaces;
 - Flying close to moving surfaces or objects;
 - Flying in an area where the lighting changes frequently or drastically;
 - Flying close to extremely dark (< 10 lux) or bright (> 10,000 lux) surfaces;
 - Flying close to surfaces that strongly reflect or absorb infrared waves (e.g. mirrors);
 - Flying close to surfaces without clear patterns or texture;
 - Flying close to surfaces with identical repeating patterns or textures (e.g. tiles with same design);

- Flying close to obstacles with surfaces that are too small.
- In case you use LIDARs for obstacle detection and avoidance, be extra cautious when in any of the following situations:
 - Flying in an environment where there is a bright sun against a white background or generally at very whiteout conditions;
 - Flying in environments with high density of air particles and bad weather conditions (fog, dust, snowfalls, rainfalls);
 - Flying close to surfaces that absorb laser beams;
 - Flying close to obstacles with surfaces that are too small;
 - Flying close to surfaces without clear patterns (typically long walls);

This content is subject to change.

Fly4Future reserves the right to update this Disclaimer, General Instructions and the Safety Guidelines. Please visit <https://fly4future.com/> for the latest version.

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