



Aquila16 FPV Kit

Disclaimer and Safety Guidelines

2024-04-07

Disclaimer and Warning

Disclaimer

Multi-rotor aircraft, equipped with powerful motors and sharp propellers, has fast flight speed, but also has a certain hazard when operating, need to be used with caution.

Our aircraft and its accessories are not toys, and requires some basic knowledge to control, so please pay special attention to the warnings and cautions before you start using it. BETA FPV reserves the right to update this Disclaimer.

By using this product, you are deemed to have understood, acknowledged and accepted all of the terms and conditions of this document and you undertake to be responsible for your own actions and all consequences arising therefrom. You undertake to use this product only for legitimate purposes and agree to all of the terms and conditions of this document and any related policies or guidelines that BETA FPV may establish.

BETA FPV reserves the right to update this disclaimer and the safety guidelines.

Visit <https://betafpv.com/> for the latest version.

Individual Parts

Remote Controller

1. Make sure remote controller batteries are fully charged before flight.
2. It is necessary to be re-bind if the remote controller has been replaced.
3. DO NOT block or cover the built-in antenna of the remote control for a strong antenna reception.

Aircraft

1. Make sure aircraft batteries are fully charged before flight.
2. Make sure propellers are in good condition and mounted onto the motors correctly and securely.
3. Make sure the battery is mounted securely.

Goggles

1. Before each FPV flight, ensure that the goggles are fully charged.
2. Confirm that the goggles strap is installed correctly to avoid detachment during use.

Battery

1. Only use a battery charger that meets the specifications when charging.
2. Never leave while battery is in charging process. Do not charge the battery unattended.
3. Do not over charge the battery.
4. Do not short circuit the battery. Make sure the wire connection polarity is correct.
5. Do not charge/discharge battery at of recommended temperature range (Charge: 0 to 45°C).
6. Always place the battery in a fire resistant surface or fire safety container alone when charging/discharging. The middle of a cement driveway is a good example of a safe location.
7. Do not allow LiPo cells to overheat at any time. Cells which reach greater than 60°C will usually become damaged and will catch fire.
8. Do not charge/discharge battery inside house, garage, vehicle, building and away from any combustible material.
9. Do not over discharge the battery. Do not discharge a battery pack to a level below 3.3V per cell.
10. Do not allow the electrolyte to get into eyes or on skin. Wash affected areas immediately if they come into contact with electrolyte. Do not alter or modify connectors or wires of a LiPo battery pack. Do not have contact with a leaky/damaged battery directly.
11. Do not assemble LiPo cells or pre-assembled packs together with other LiPo cells or packs.
12. Inspect batteries if crash, battery should be placed in a safe area for observation for at least 30 minutes after crash.

Caution: The battery may be in high temperature!

Flight Condition Requirements

1. Do not fly in severe weather conditions including strong wind, snow, rain, fog, etc.
2. Only fly in open areas without tall buildings and large metal structures around. Buildings with a large number of concrete irons will affect the signal and interfere with the flight. It is recommended to fly at least 10m away from buildings, poles, obstacles, etc.
3. When flying, please keep control within sight and away from obstacles, crowds, water, etc.
4. Please do not fly in areas with high voltage lines, communication base stations or transmission towers to avoid interference.
5. Do not take off from moving objects, such as cars and ships.
6. Do not use the aircraft in an environment at risk of a fire or explosion.
7. To avoid injury, stay away from rotating propellers or motors.

Regulations

WARNING

To avoid non-compliant behavior, serious injury, and property damage, observe the following rules:

1. DO NOT modify the aircraft or use the aircraft for other **illegal** purposes.
2. DO NOT operate in the vicinity of manned aircraft, **regardless** of **altitude**. If necessary, **land** immediately.
3. DO NOT fly the aircraft in areas where the large events are being held, including but not **limited** to sporting events and concerts.
4. DO NOT fly the aircraft in areas prohibited by **local** laws.
5. Remain **well** clear of and DO NOT interfere with manned aircraft operations. Be aware of and avoid other aircraft and obstacles at **all** times.

CAUTION

To avoid non-compliant behavior, serious injury, and property damage, observe the following rules:

1. DO NOT fly the aircraft near or inside restricted zones specified by **local** laws and regulations. Restricted zones include, but are not **limited** to, airports, borders between two sovereign countries or regions, major cities, and areas where temporary events or activities are being held.
2. DO NOT fly the aircraft above the authorized **altitude**.
3. Make sure to keep your aircraft within VLOS, and use an observer to assist if needed.
4. DO NOT use the aircraft to carry **illegal** or dangerous payloads.

NOTICE

1. Make sure you understand the nature of your flight operation (such as for recreation, for public use, or for commercial use) 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. Note that remote controlled aircraft may be banned from conducting **commercial** activities in certain countries and regions.
2. DO NOT fly around sensitive infrastructure or property such as power stations, water treatment facilities, correctional facilities, heavily traveled roadways, government facilities, and military zones.

Export Controls

Comply with Applicable Export Control Laws

You are advised that export, re-export, and transfer of the Products are subjected to Chinese export control law and other applicable export control laws and sanctions (hereafter collectively referred to as "Export Control Laws"). Prior to your use, sale, transfer, rental, or other conduct related to the Products, unless permitted by the Export Control Laws or with the license issued by competent authorities, you shall in particular check and guarantee by appropriate measures that:

1. There will be no infringement of an embargo imposed by the Export Control Laws;
2. The Products will not be provided to the entities, persons, and organizations listed in all applicable sanctioned party lists;
3. It is only for civilian use, and it is forbidden to directly or indirectly use BETAFPV products for or related to the following content (1) any military combat purpose or military combat-related purposes; (2) terrorist activities; (3) other criminal acts. The purchaser shall also require its customers or users to comply with the aforementioned requirements.

Export Compliance, Disclaimer & Indemnity

You acknowledge it is your responsibility to comply with Chinese export control law and any other applicable export control laws. You shall solely be responsible for the legal responsibility if any of your use, sale, transfer, rental or other conduct related to the Products fail to comply with the applicable export control laws, BETAFPV shall, in no circumstances, be responsible for your violation of any applicable export control laws. Furthermore, you shall indemnify, defend, and hold harmless BETAFPV, its affiliates, directors, officers, employees, agents, and representatives, from and against any and all claims, demands, suits, causes of action, expenses (including reasonable attorneys' fee), damages, losses, or liabilities of any nature whatsoever, arising from, or allegedly arising from, or related to, your failure to comply with applicable export control laws.

Compliance Information

Aquila Brushless Quadcopter

Model: Aquila16

FCC ID: 2AT6X-AQUILA16

LiteRadio 2 SE Radio Transmitter

Model: LiteRadio 2 SE ELRS

FCC ID: 2AT6X-LITERADIO2E

VR03 FPV Goggles

Model: VR03

RF exposure information:

The Drone / Transmitter / Goggles comply with FCC and EU radiation exposure limits. End users must follow specific operating instructions when using the equipment to meet radiation exposure requirements.

When using the drone, maintain a distance of 20cm from the body to ensure compliance with RF exposure requirements.

The Transmitter complies with FCC radiation exposure limits (1.6 W/kg). And complies with EU radiation exposure limits (2.0W/kg) for the body which was tested and recorded with the maximum SAR value is 0.477 W/kg for the body. The use of belt clips, holsters, and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with RF exposure requirements and should be avoided.

The Goggles have been evaluated, the RF function is for receive only, not transmission. Meet general RF exposure requirements and RF exposure calculation is not needed.

Operation Frequency & output power

Aquila16

5.8GHz: E.I.R.P<14dBm

2.4G: Receive only

LiteRadio 2 SE ELRS

2.4GHz: E.I.R.P<20dBm

VR03

5.8G: Receive only

CAUTION RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

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