NOTICES AND WARNINGS

information is subject to change at the sole discretion of Yuneec. For the most up-to-date information is in a safe range (as indicated by the battery charge status icon on the screen of the transmitter/personal please visit the corresponding product page at www.Yuneec.com or contact the nearest Yuneec office or ground station). authorized distributor.

levels of potential harm when operating this product:

NOTICE: Procedures, which if not properly followed, create a possibility of property damage and/or little Always remove batteries after use and store/transport them per the corresponding quidelines. to no possibility of injury.

CAUTION: Procedures, which if not properly followed, create the probability of property damage and/or for use in water. Moisture causes damage to electronic components and parts. a possibility of serious injury.

WARNING: Procedures, which if not properly followed, create the probability of property damage. doing so could cause serious injury or even death. collateral damage and/or serious injury or create a high probability of superficial injury.

WARNING: Read the ENTIRE quick start quide and instruction manual to become familiar with the Carefully follow the instructions and warnings included with this aircraft and any related accessories, features of the product before operating. Failure to operate the product correctly can result in damage components or parts (including, but not limited to, chargers, rechargeable batteries, etc.).

WARNING: This is a sophisticated consumer product. It must be operated with caution and common product, and the Q500 is not compatible with any other ESCs. Use of any other ESCs in the Q500 will sense, and requires some basic mechanical ability. Failure to operate this product in a safe and cause a crash, which may result in damage to the product, property and/or cause serious injury. responsible manner could result in damage to the product, property and/or cause serious injury. This product is not intended for use by children without direct adult supervision. Do not use with incompatible components or alter this product in any way outside of the instructions provided by Yuneec. The essential to read and follow all the instructions and warnings prior to assembly, setup and/or use in order batteries. All instructions and warnings must be followed exactly to prevent property damage and/or to operate the product correctly and avoid damage or serious injury.

AGE RECOMMENDATION: NOT FOR CHILDREN UNDER 14 YEARS. THIS IS NOT A TOY.

GENERAL SAFETY PRECAUTIONS AND WARNINGS

to the product, property and/or cause serious injury.

WARNING: Failure to use this product in the intended manner as described in the quick start guide and

Never charge the LiPo battery unattended at any time. When charging the battery you must always instruction manual can result in damage to the product, property and/or cause serious injury. A Radio remain in constant observation to monitor the charging process and react immediately to any potential Controlled (RC) multirotor aircraft, APV platform, drone, etc. is not a toy! If misused it can cause serious problems that may occur. bodily harm and damage to property.

WARNING: As the user of this product you are solely and wholly responsible for operating it in a manner recharging. that does not endanger yourself and others or result in damage to the product or the property of others. To charge the LiPo battery you must use only the included charger or a suitably compatible LiPo battery Keep your hands, face and other parts of your body away from the spinning propellers/rotor blades and charger. Failure to do so may result in a fire causing property damage and/or serious injury. other moving parts at all times. Keep items that could impact or become entangled away from the If at any time the LiPo battery begins to balloon or swell, discontinue charging or discharging

propellers/rotor blades including debris, parts, tools, loose clothing, etc. Always operate your aircraft in open areas that are free from people, vehicles and other obstructions. flammable materials to observe it for at least 15 minutes. Continuing to charge or discharge a battery Never fly near or above crowds, airports or buildings.

To ensure proper operation and safe flight performance never attempt to operate your aircraft nearby small amount must be removed from service completely. buildings or other obstructions that do not offer a clear view of the sky and can restrict GPS reception. Do not over-discharge the LiPo battery. Discharging the battery too low can cause damage to the battery Do not attempt to operate your aircraft in areas with potential magnetic and/or radio interference resulting in reduced power, flight duration or failure of the battery entirely. LiPo cells should not be including areas nearby broadcast towers, power transmission stations, high voltage power lines, etc. discharged to below 3.0V each under load.

Always keep a safe distance in all directions around your aircraft to avoid collisions and/or injury. This Store the LiPo battery at room temperature and in a dry area for best results. aircraft is controlled by a radio signal subject to interference from many sources outside your control. When charging, transporting or temporarily storing the LiPo battery the temperature range should be

Interference can cause momentary loss of control Do not attempt to operate your aircraft above 8000 feet (2438 meters) AMSL (Above Mean Sea Level). sunlight, If stored in a hot garage or car the battery can be damaged or even catch fire. Do not attempt to operate your aircraft in winds that exceed 8-12 miles per hour (13-19 kilometers per Never leave batteries, chargers and power supplies unattended during use.

To ensure proper and safe operation of the automatic landing function in 'Home' mode you must turn Never allow children under 14 years of age to charge batteries. your aircraft on in a position with at least 10 feet (approximately 3 meters) of clear and open space. Never charge a battery if any of the wire leads have been damaged or shorted.

around it and achieve a proper GPS lock. Do not attempt to operate your aircraft with any worn and/or damaged components, parts, etc. Never drop batteries, chargers or power supplies.

(including, but not limited to, damaged propellers/rotor blades, old batteries, etc.). Never operate your aircraft in poor or severe weather conditions including heavy winds, precipitation. Always ensure correct polarity before connecting batteries, chargers and power supplies.

Always disconnect the battery after charging.

Always operate your aircraft starting with a fully charged battery. Always land as soon as possible after Always terminate all processes if the battery, charger or power supply malfunctions. the first level low voltage battery warning or land immediately after the second level low voltage battery warning (as indicated by the vibrations and audible alerts from the transmitter/personal ground station)

IMPORTANT NOTE: All safety precautions and warnings, instructions, warranties and other collateral

Always operate your aircraft when the voltage of the battery in the transmitter/personal ground station

Always keep the aircraft in clear line of sight and under control, and keep the transmitter/personal

ground station powered on while the aircraft is powered on. The following special language terms are used throughout the product literature to indicate various Always move the throttle control stick down fully and turn off the motors in the event the propellers/ rotor blades come into contact with any objects.

Always allow components and parts to cool after use before touching them and before flying again.

Avoid water exposure to all electronic components, parts, etc. not specifically designed and protected Never place any portion of the aircraft or any related accessories, components or parts in your mouth as

Always keep chemicals, small parts and electronic components out of the reach of children.

CAUTION: The electronic speed controls (ESCs) installed in the Q500 are not compatible with any other

quick start guide and instruction manual contain instructions for safety, operation and maintenance. It is WARNING: Lithium Polymer (LiPo) batteries are significantly more volatile than alkaline. NiCd or NiMH

serious injury as the mishandling of LiPo batteries can result in fire. By handling, charging or using the included LiPo battery you assume all risks associated with LiPo batteries. If you do not agree with these conditions please return the complete product in new, unused condition to the place of purchase

You must always charge the LiPo battery in a safe, well-ventilated area away from flammable materials.

After flying/discharging the LiPo battery you must allow it to cool to ambient/room temperature before

immediately. Quickly and safely disconnect the battery, then place it in a safe, open area away from that has begun to balloon or swell can result in a fire. A battery that has ballooned or swollen even a

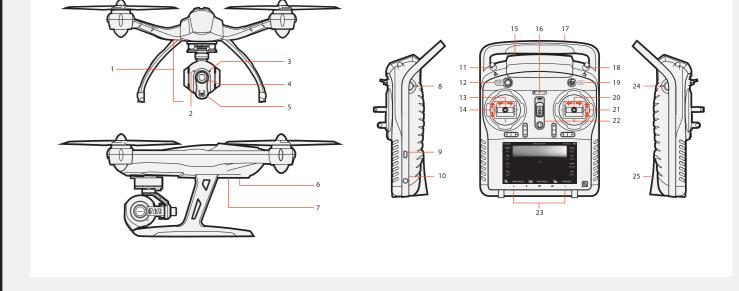
from approximately 40–120° F (5–49° C). Do not store the battery or aircraft in a hot garage, car or direct

Never attempt to charge low voltage, ballooned/swollen, damaged or wet batteries.

Never attempt to disassemble the battery, charger or power supply.

Always inspect the battery, charger and power supply before charging.





- 1 CGO2+ Gimbal Camera
 - 2 Camera Microphone
 - 3 Camera LED Status Indicator

6 Power Switch

- 4 Camera Lens 5 5.8GHz Antenna
 - 14 Throttle/Altitude Control (for Mode 2)
 - Elevator/Pitch Control (for Mode 1)
- 7 Main LED Status Indicator 8 Proportional Control Rate Slider
- - 9 USB Connector/Charging Port

- 10 Audio/Earphone Jack
- 11 Take Still Photo Button
 - 12 Start/Stop Motors Button
- 13 Rudder/Yaw Control (for Mode 2 and Mode 1)
- - 15 5.8GHz Antenna (located inside the case)
- WiFi and GPS)
- 16 Status Indicators (for ST10+ battery, 5.8GHz 23 Volume and Navigation Touch-Activated Buttons Volume Down/VolumeUp/Menu/Home/Back)

18 Start/Stop Video Recording Button

20 Aileron/Roll Control (Mode 2 and Mode 1)

Throttle/Altitude Control (Mode 1)

19 Flight Mode Selection Switch

21 Elevator/Pitch Control (Mode 2)

22 Power Switch

- 17 2.4GHz Antenna (located inside the handle) 24 CGO2+ Pitch Angle/Position Control
 - 25 SD Card Slot (located under the battery)

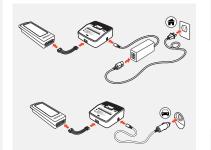
WWW.YUNEEC.COM O500 TYPHOON++ Ouickstart V4

IMPORTANT NOTE:

This Quick Start Guide is NOT intended to replace the content included in the instruction manual. You should read the instruction manual completely before proceeding.

1. CHARGE THE BATTERIES

Power the SC3500-3 charger from a 100-240V AC outlet using the AC adapter/power supply, or from a 12V DC accessory socket/cigarette lighter receptacle in a vehicle using the included adapter.



A green blinking LED indicates the charger i powered on and ready to charge, and a red blinking LED indicates the battery is charging. It will take approximately 2 hours to charge a fully discharged (not over-discharged) battery.



WARNING: All instructions and warnings must be followed exactly to prevent property damage and/or batteries can result in fire.

2. PREPARE THE CGO2+



from the rear of the CGO2+ by carefully sliding it

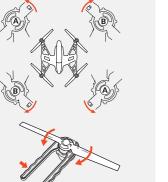


2.2 Insert the included 8GB card or any Class 10 microSD card from 4GB to

2.3 Carefully remove the protective material from the camera lens.

3. INSTALL THE PROPELLERS

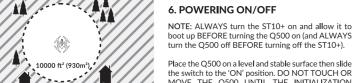
Install the corresponding A and B propellers in the positions shown by rotating them per the illustration and until they're secure. It may also be helpful to use the included tool to hold the motors while installing



serious injury as the mishandling of Li-ion/LiPo CAUTION: Do not over-tighten the propellers when using the tool.



5. PLACEMENT BEFORE TAKEOFF



WARNING: Always operate the Q500 in open areas (approximately 10000 square feet/930 square meters or more) that are free from people, vehicles. trees and other obstructions. Never fly near or above crowds, airports or buildings.



surface before powering ON the Controller and

4. INSTALL THE BATTERY



NOTE: If the door does not close the battery is not inserted far enough to engage the connector

MOVE THE O500 UNTIL THE INITIALIZATION PROCESS IS COMPLETE. The main LED status indicator will glow solid green (Smart Mode) or solid complete (and the Q500 GPS is locked).



Step back approximately 26 feet (8 meters) behind

purple (Angle/Pilot Mode) when initialization is Descend / Land



Never attempt to operate the Q500 nearby tall buildings/obstructions that do not offer a clear view of the sky (a minimum clearance of 100°).

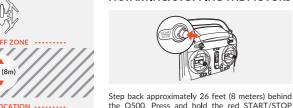


NOTE: ALWAYS turn the ST10+ on and allow it to boot up BEFORE turning the Q500 on (and ALWAYS Climb (Max. Altitude turn the Q500 off BEFORE turning off the ST10+). 400 Feet / 122 Meters)

the switch to the 'ON' position, DO NOT TOUCH OR Maintain Altitude



Be sure to place the O500 on a level and stable



the Q500. Press and hold the red START/STOP button for about 3 seconds to start, and about 3 seconds to stop the motors.

To takeoff, slowly raise the left-hand stick to slightly above the center position. The Q500 will takeoff and



7. STARTING/STOPPING THE MOTORS



8. FLIGHT CONTROLS

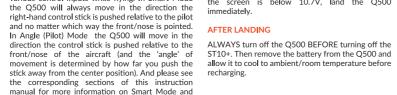
climb slowly (or raise the stick further until it does). Allow the stick to return to the center position when There are two ways to land the Q500:



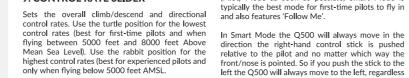
Angle (Pilot) Mode.

Take your time learning how the Q500 responds to

the O500 reaches the desired altitude.

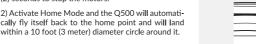


9. CONTROL RATE SLIDER (Pilot) Mode as soon as possible, Smart Mode is Mode. Although we recommend learning to fly the



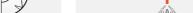
IMPORTANT NOTE: If at any time during flight you feel like the Q500 is drifting out of/beyond your control, simply release both control sticks. The O500 will automatically self-level and will even hold its position (with a suitable GPS signal/lock) when both control sticks are centered. You can also activate Home Mode so the O500 automatically flies itself back to the home point and lands.

1) Position the Q500 above the area where you that can be selected via the Flight Mode Selection would like to land. Slowly lower the left-hand stick to Switch located just above the right-hand control below the center position. The O500 will descend slowly and land. After the Q500 lands, press and hold the red START/STOP button for approximately two



first level low voltage battery warning, or land immediately after the second level low voltage battery warning (as indicated by the vibrations and 1) When the flight mode switch is in the top position audible alerts from the ST10+, and by the Below the Q500 will be in Smart Mode. Motor LED Status Indicators flashing rapidly). And if at any time the Aircraft Battery Voltage shown on various control inputs while flying. In Smart Mode the screen is below 10.7V, land the Q500

11. FLIGHT MODES



0. SELECTING A FLIGHT MODE

The O500 is programmed with three (3) flight modes



When the flight mode switch is in the middle position the O500 will be in Angle (also known as

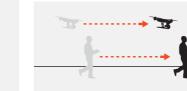
3) When the flight mode switch is in the lowest position the Q500 will be in Home Mode.

When the Flight Mode Selection Switch is the top position the Q500 will be in Smart Mode. Although we recommend learning to fly the O500 in Angle

typically the best mode for first-time pilots to fly in Q500 in Angle (Pilot) Mode as soon as possible. Smart Mode is typically the best mode for first-time pilots to fly in and also features 'Follow Me'. flying between 5000 feet and 8000 feet Above direction the right-hand control stick is pushed. In Smart Mode the Q500 will always move in the

Mean Sea Level). Use the rabbit position for the relative to the pilot and no matter which way the direction the right-hand control stick is pushed highest control rates (best for experienced pilots and front/nose is pointed. So if you push the stick to the relative to the pilot and no matter which way the left the O500 will always move to the left, regardless front/nose is pointed. So if you push the stick to the of the direction the nose is pointing and even if it's left the Q500 will always move to the left, regardless spinning. This mode can also be helpful for pilots that of the direction the nose is pointing and even if it's lose orientation while flying in Angle (Pilot) Mode. spinning. This mode can also be helpful for pilots that lose orientation while flying in Angle (Pilot) Mode. Additional Smart Mode Features:

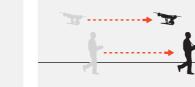
more. When Follow Me is active the O500's Main seconds. If the Q500's Main LED Status Indicator remains solid green, the Follow Me feature is not



When using the FOLLOW ME feature, keep in mind may crash or even 'fly away'. that the aircraft will maintain a constant altitude and can not detect obstacles. Pilots who change their altitude by for example, moving to higher ground.



follow the pilot, adjusting its location to the location from coming within approximately 26 feet (8 meters) of the ST10+. The Follow Me feature is enabled of you (as long as you position yourself at least 26 when the number of connected satellites is 6 or feet/8 meters behind the Q500. LED Status Indicator will blink white every three GEO-FENCE



during flight should be mindful of this.





*SMART CIRCLE

The Follow Me feature the Q500 TYPHOON+ to In most cases the Smart Circle will keep the Q500

The geo-fence is a virtual 'barrier' that will keep the POSITION HOLD AND SELF-LEVELING O500 from traveling farther than 300 feet (91 meters). And although this limit can be adjusted The Q500 will automatically hold its position (with a using the USB interface/programmer and software suitable GPS signal/lock) and maintain a level we strongly recommend using the default limit at all attitude when the right-hand stick is centered.

WARNING: Smart Mode only works when the O500 in Angle (Pilot) Mode the aircraft may crash or even has a suitable GPS signal/lock. If you take off in 'fly away'. Smart Mode and the O500 loses GPS signal/lock it will switch to Angle (Pilot) Mode automatically. This

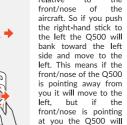
is why we strongly recommend learning to fly in Angle (Pilot) Mode as soon as possible. Otherwise, if When the Flight Mode Selection Switch is in the

IMPORTANT NOTE: Crash damage and 'fly aways' are NOT covered under warranty.

ANGLE (PILOT) MODE

known as Pilot) Mode.

move in the direction the control stick is pushed



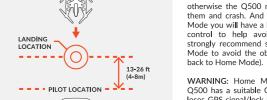
move to the right.

Additional Angle (Pilot) Mode Feature:

WARNING: If you do not properly control the O500

vou lose GPS signal/lock and are not able to properly hottom position the Q500 will be in Home (also control the Q500 in Angle (Pilot) Mode the aircraft known as Return to Home) Mode.

pilots' current location, and automatically land until it lands within 13-26 ft (4-8m) of the pilot. This can be very helpful for first-time pilots who aren't quite ready to land the Q500 themselves. It can also be helpful for When the Flight Mode Selection Switch is the pilots that lose orientation during flight; simply middle position the Q500 will be in Angle (also activate Home Mode until the Q500 automatically moves toward the home position, and once you've confirmed orientation switch back to Angle (Pilot) (Pilot) Mode is the mode preferred by Mode. And if the O500 ever loses the link with the experienced RC/drone pilots because the Q500 will ST10+ it will automatically enter Home Mode.



When Home Mode is activated the Q500 will

A) When flying higher than 33 feet (10 meters) the

respond as follows:

In Home Mode the Follow Me feature will fly back O500 will climb to 33 feet (10 meters) while flying

the O500 in a straight line in the direction of the hack to the home point, then will descend vertically

loses GPS signal/lock it will switch to Angle (Pilot) was recovered. Mode automatically. This is why we strongly recommend learning to fly in Angle (Pilot) Mode as IMPORTANT NOTE: You can choose to record soon as possible. Otherwise, if you lose GPS video at 48, 50 or 60 frames per second by tapping signal/lock and are not able to properly control the the corresponding button near the upper left-hand O500 in Angle (Pilot) Mode the aircraft may crash or corner on the screen of the ST10+. And the delay in even 'fly away'.

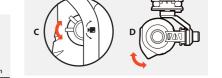
are NOT covered under warranty.

IMPORTANT NOTE: Crash damage and 'fly aways'

Q500 will maintain the current altitude, fly back to 12. CAMERA CONTROLS the home point, then descend vertically until it



Take Still Photo = Button A B) When flying lower than 33 feet (10 meters) the Start/Stop Recording Video = Button B



Use the slider (C) on the left side of the ST10+ to set the pitch/tilt position (D) of the CGO2+

CAUTION: You must be certain there are no CAUTION: You MUST stop recording video in order obstacles in the 'Return to Home' flight path to take still photos. It will take approximately 5 otherwise the O500 may come into contact with seconds to capture a still photo and before you can them and crash. And while the O500 is in Home take another. Mode you will have a limited amount of directional control to help avoid obstacles, however, we CAUTION: ALWAYS stop recording video before

strongly recommend switching to Smart or Angle turning off the Q500/CGO2+ to avoid data loss. If Mode to avoid the obstacle (then you can switch you accidentally turn off the Q500/CGO2+ before you stop recording, re-insert microSDcard (if removed) and turn the system on again. Wait WARNING: Home Mode only works when the approximately 20 seconds until the camera LED O500 has a suitable GPS signal/lock. If the O500 starts to glow solid green indicating the last video file

the live video stream will be lowest at 48 frames per

13. ST10+ DISPLAY



WARNING: NEVER attempt to fly the O500 via First-Person View (FPV), Attempting to fly via FPV can result in a crash that will cause damage to the product, property and/or cause serious injury.

After flying, turn off the O500 BEFORE turning off the ST10+. Then remove the battery from the O500 and allow it to cool to ambient/room temperature before recharging.



WWW.YUNEEC.COM/SUPPORT The full Q500 TYPHOON+ Manual

Graphic User Interface

THE FOLLOWING DOCUMENTS ARE

AVAILABLE FOR DOWNLOAD AT

 Calibration Sheet LED Status Indication Sheet

Firmware Updates

Tutorial Videos



1) Flight Mode of Aircraft 2) GPS Status for Aircraft 3) Aircraft Battery Voltage

IMPORTANT NOTE:

Double tap the center of the screen to increase the size of the video viewing area.



