IMPORTANT NOTE:

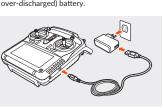
This Quick Start Guide is NOT intended to replace should read the instruction manual completely before proceeding.

1. CHARGING 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



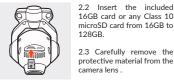
powered on and ready to charge, and a red blinking LED indicates the battery is charging. It will take approximately 2 hours to charge a fully discharge



NOTICE: The adapter is sold separately WARNING: All instructions and warnings must be serious injury as the mishandling of Li-ion/LiPo batteries can result in fire.

2. PREPARING THE CGO3

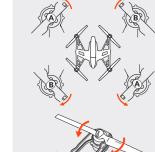




microSD card from 16GB to 128GB.

3. INSTALLING 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





from the rear of the CGO3



2.3 Carefully remove the NOTE: If the door does not close, the battery is not otective material from the inserted far enough to engage the connector



above crowds, airports or buildings.



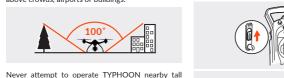
buildings/obstructions that do not offer a clear view of the sky (a minimum clearance of 100°).

4. INSTALLING THE BATTERY

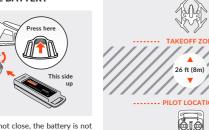


5. PLACEMENT BEFORE TAKEOFF





Be sure to place TYPHOON on a level and stable CAUTION: Do not over-tighten the propellers when surface before powering ON the Controller and



Step back approximately 26 feet (8 meters) behind

6. POWERING ON/OFF

NOTE: ALWAYS turn the ST10+ on and allow it to boot up BEFORE turning TYPHOON on (and ALWAYS turn TYPHOON off BEFORE turning off

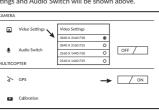
slide the switch to the 'ON' position. DO NOT TOUCH OR MOVE TYPHOON UNTIL THE WARNING: Always operate TYPHOON in open areas (approximately 10000 square feet/930 square meters or more) that are free from people, vehicles, trees and other obstructions. Never fly near or above crowds airmost or buildings.





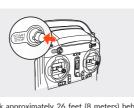
If indoor flight is needed, please turn off the GPS first. Press setting button & on ST10+ interface and switch off the GPS,

When the CGO3 and ST10+, the multi-copter and ST10+ are bound, press 🌣 , optional choices of video settings and Audio Switch will be shown above.



If calibration is needed before flight, Please press calibration button enables the user to enter Take your time learning how TYPHOON responds to Compass calibration or Accelerometer calibration The detailed calibration operation can be referred to the User Manual on www.vuneec.com.

7. STARTING/STOPPING THE MOTORS



Step back approximately 26 feet (8 meters) behind TYPHOON. Press and hold the red START/STOP button for about 3 seconds to start, and about 2

8. FLIGHT CONTROLS

To takeoff, slowly raise the left-hand stick to slightly above the center position. TYPHOON will takeoff and climb slowly (or raise the stick further until it does). Allow the stick to return to the center position activate Home Mode so TYPHOON automatically flies tisself back to the home point and lands

Take your time learning how TYPHOON responds to various control inputs while flying. In Smart Mode TYPHOON will always move in the direction the right-hand control stick is pushed relative to the pilot immediately.

Motor LED Status Indicators flashing rapidly). And if at any time the Aircraft Battery Voltage shown on the screen is below 10.7V, land TYPHOON immediately. and no matter which way the front/nose is pointed n Angle (Pilot) Mode TYPHOON will move in the AFTER LANDING In Angle (Pilot) Mode TYPHOON will move in the direction the control stick is pushed relative to the front/nose of the aircraft (and the 'angle' of movement is determined by how far you push the stick arrangement is determined by how far you push the stick arrangement from the center position). And please see stick away from the center position). And please see the corresponding sections of this instruction manual for more information on Smart Mode and Angle (Pilot) Mode.

Mode 2 shown

IMPORTANT NOTE: If at any time during flight you feel like TYPHOON is drifting out of/beyond your ontrol, simply release both control sticks

flies itself back to the home point and lands.

10. SELECTING A FLIGHT MODE

There are two ways to land TYPHOON: 1) Position TYPHOON above the area where you would like to land. Slowly lower the left-hand stick to below the center position. TYPHOON will descend slowly and land. After TYPHOON lands, press and

hold the red START/STOP button until the moto automatically fly itself back to the home point and will land within a 6.56 foot (2 meter) diameter circle first low level voltage battery warning, or land immediately after the second level low voltage battery warning (as indicated by the vibrations and audible alerts from the ST10+, and by the Belov

TYPHOON will be in Smart Mode.

3) When the flight mode switch is in the lowest

9. CONTROL RATE SLIDER

flying below 5000 feet AMSL

rates (best for experienced pilots and only when

around it.

Set the overall climb/descend and directional control rates. Use the turtle position for the lowest control

When the Flight Mode Selection Switch is the top rates (best for first-time pilots and when flying between 5000 feet and 8000 feet Above Mean Sea Level). Use the rabbit position for the highest control

SMART MODE

In Smart Mode TYPHOON will always move in the direction the right-hand control stick is pushed relative to the pilot and no matter which way the front/nose is pointed. So if you push the stick to the left TYPHOON will always move to the left, regardless of the direction the nose is pointing and en if it's spinning. This mode can also be helpful for pilots that lose orientation while flying in Angle

TYPHOON is programmed with three (3) flight modes that can be selected via the Flight Mode Selection Switch located just above the right-hand

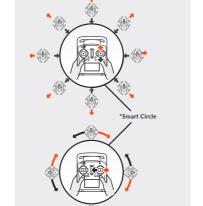


2) When the flight mode switch is in the middle position TYPHOON will be in Angle (also known as Pilot) Mode.

11. FLIGHT MODES

position TYPHOON will be in Smart Mode. Although we recommend learning to fly TYPHOON 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'.

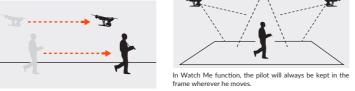
is pointed towards the aircraft



Additional Smart Mode Features:

FOLLOW ME FUNCTION

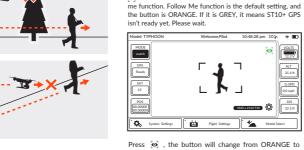
The Follow Me function allows the TYPHOON to follow the pilot, adjusting its location to the location of the ST10+. This function is enabled when ST10+ using shared GPS signal with the ST10+. At this time, by following steps: you will see orange 🧑 , and green follow in When in Follow Me function, the TYPHOON will



follow the movement of ST10+ if there is no extra operation on the ST10+. The flight status is also ontrollable when you operate ST10+ and CGO3.

··· **

aircraft will maintain a constant altitude and canno detect obstacles. Pilots who change their altitude by



Watch Me function enables the camera to keep

tracking the remote controller no matter where and how it moves as the camera can automatically tilt its usually, the default function under Smart Mode is Follow Me. Watch Me function can be switched to camera angle up, then just move the Pitch Angle/Position Control Slider a bit up. If you want to trim camera angle down, just move the slider down.

of you (as long as you position yourself at least 26 feet/8 meters behind TYPHOON.

The geo-fence is a virtual 'barrier' that will keep

USB interface/programmer and software we strongly

When the Flight Mode Selection Switch is the middle position TYPHOON will be in Angle (also known as Pilot) Mode. Angle (Pilot) Mode is the mode preferred by experienced RC/drone pilots because TYPHOON will move in the direction the control stick is pushed relative to the front/nose of the aircraft. So if you

ANGLE (PILOT) MODE

recommend using the default limit at all times.

WARNING: Smart Mode only works when TYPHOON

has a suitable GPS signal/lock. If you take off in Smart Mode and TYPHOON 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, i

you lose GPS signal/lock and are not able to properly

control TYPHOON in Angle (Pilot) Mode the aircraf

IMPORTANT NOTE: When the ST10+ Personal

Ground Station is connected to less then 6 satellites, the 'FOLLOW ME' feature will be disabled.

IMPORTANT NOTE: Crash damage and 'fly aways'

may crash or even 'fly away'.

are NOT covered under warranty.

push the right-hand stick to the left TYPHOON w bank toward the left side and move to the left. This REEN. And now it is in Watch Me function.

IOTE: Once the TYPHOON is above 2m and out of means if the front/nose of TYPHOON is pointing away from you it will move to the left but if the nose is pointing at you TYPHOON will move to the right.

*SMART CIRCLE In most cases the Smart Circle will keep TYPHOON from coming within approximately 26 feet (8 meters)

Watch Me/Follow Me Button: When in Smart Mode, press

POSITION HOLD AND

Mode Feature:

SELF-LEVELING

automatically hold its position (with a suitable GPS signal/lock) and

QUICK START GUIDE

are NOT covered under warranty

known as Return to Home) Mode.

TYPHOON in a straight line in the direction of the pilots' current location, and automatically land within 13-26 ft (4-8m) of the pilot. This can be very GPS signal/lock and are in TYPHOON in Angle (Pilot crash or even 'fly away'.

Mode. And if TYPHOON ever loses the link with the ST10+ it will automatically enter Home Mode. When Home Mode is activated TYPHOON will

nfirmed orientation switch back to Angle (Pilo

WARNING: If you do not properly control TYPHOON in Angle (Pilot) Mode the aircraft may crash or even 'fly away'. A) When flying higher than 33 feet (10 meters) TYPHOON will maintain the current altitude, fly back to the home point, or active home point if the Start/Stop Recording Video = Button B ST10+ has enough satellites for Follow Me, then descend vertically until it lands.

IMPORTANT NOTE: Crash damage and 'fly aways'

YPHOON will climb to 33 feet (10 meters) while

flying back to the home point, or active home position, then will descend vertically until it lands. When the Flight Mode Selection Switch is in the



CAUTION: You must be certain there are no obstacles in the 'Return to Home' flight path otherwise TYPHOON may come into contact with them and crash. While TYPHOON is in Home Mode you will have a limited amount of directional control. To help avoid obstacles we strongly recommend to switch back to Home Mode.

WARNING: Home Mode only works when TYPHOON has a suitable GPS signal/lock. If TYPHOON has a suitable GPS signal/lock in the Mode (Pilot) Mode automatically. This is why we strongly recommend learning to fly in Angle (Pilot) Mode as soon as possible. Otherwise, if you loss of the default Camera Mode is CGO3. You MUST stop recording video in order to take still photos. It will lake 1-2 seconds to capture a still photo and before you can take another.

CAUTION: In ST10+, the default Camera Mode is CGO3. You MUST stop recording video in order to take still photos. It will lake 1-2 seconds to capture a still photo and before you can take another.

CAUTION: ALWAYS stop recording video before turning off TYPHOON/CGO3 before you stop recording, re-insert microSDcard (if removed) and turn the system on again. Wait pour story of the video viewing area.

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

NOTE: If you want professional camera application, please refere to the Q500 4K USER MANUAL.

Any information above might be changed due to the software update. For the latest documents, please check the official website.

THE FOLLOWING DOCUMENTS ARE AVAILABLE FOR DOWNLOAD AT

elpful for first-time pilots who aren't quite ready to IMPORTANT NOTE: Crash damage and 'fly aways' and TYPHOON themselves. It can also be helpful are NOT covered under warranty

for pilots that lose orientation during flight; simply activate Home Mode until TYPHOON automatically moves toward the home position, and once you've 12. CAMERA CONTROLS





1) Flight Mode of Aircraft 2) GPS Status for Aircraft 4) In Flight Settings Use the slider (C) on the left side of the ST10+ to set WARNING: NEVER attempt to fly TYPHOON via the pitch/tilt position (D) of the CGO3. First-Person View (FPV). Attempting to fly via FPV CAUTION: In ST10+, the default Camera Mode is can result in a crash that will cause damage to the

13. ST10+ DISPLAY



The full TYPHOON O500 4K Manual

irmware Updates YUNEEC

NOTICE: Procedures, which if not properly followed, create a possibility of property damage and/or little to no possibility of injury.

CAUTION: Procedures, which if not properly followed, create the probability of property damage and/or a possibility of serious injury.

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

serious injury or create a high probability of superficial injury.

WARNING: Read the ENTIRE quick start guide and instruction manual to become familiar with the features of the product before operating. Failure to operate the product correct can result in damage to the product, properly and/or cause serious injury. Marking the companies of the product of the prod

WARNING: Failure to use this product in the intended manner as described in the quick start guide and instruction manual can leave it in damage to the product, property and/or cause serious injury. A Radio Controlled (RC) multirotor aircraft, APV platform, drone, etc. is not a toy! If misused it can cause serious 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 that does not endanger yourself and others or result in damage to the product or the property of others.

This aguingment has been

loose clothing, etc.
Always operate your aircraft in open areas that are free from people, vehicles and other obstructions. Never fly near or above crowds, airports or buildings.

To ensure proper operation and safe flight performance never attempt to operate your aircraft nearby buildings or other obstructions that do not offer a clear view of the sky and can restrict GPS reception.

Do not attempt to operate your aircraft in areas with potential magnetic and/or radio interference including areas nearby broadcast towers, power transmission stations, high voltage power lines, etc.

Always keep a safe distance in all directions around your aircraft to avoid collisions and/or injury. This aircraft is controlled by a radio signal subject to interference from many sources outside your control. Interference can cause momentary loss of control. To ensure proper and safe operation of the automatic landing function in Home Mode you must start the motors with the aircraft in a position that has at least 10 feet (approximately 3 meters) of clear and open space around it and achieve a proper GPS lock. Do not attempt to operate your aircraft with any worm and/or damaged components, parts, etc. (including, but not limited to damaged propellers/rotor blades, old batteries, etc.).

To ensure a proper and safe flight performance never attempt to operate your aircraft in areas with potential magnetic and/or radio interference in an every long aircraft in a position that has at least 10 feet (approximately 3 meters) of clear and open space around it and achieve a proper GPS lock. To the damaged propellers/rotor blades, old batteries, etc.).

To ensure a proper and safe operation of the automatic landing function in Home Mode you must start the motors with the aircraft in a position that has at least 10 feet (approximately 3 meters) of clear and open space around it and achieve a proper GPS lock. To the damaged propellers/rotor blades, old batteries, etc.).

To ensure a proper and safe operation of the automatic landing function

Never operate your aircraft in poor or severe weather conditions including heavy winds, precipitation, lightning, etc.
Always operate your aircraft string with a fully charged battery. Always land as soon as possible after the first level low voltage battery warning or land immediately after the second level low voltage battery warning or land immediately after the second level low voltage battery warning (as indicated by the wibrations and audible alerts from the transmitter/personal ground station).

Always operate your aircraft when the voltage of the battery in the transmitter/personal ground station is in a safe range (as indicated by the battery charge status is con on the screen of the transmitter/personal ground station is in a safe range (as indicated by the battery charge status is con on the screen of the transmitter/personal ground station powered on while the aircraft is powered on.

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.

nue tue aircratt is powered on.

—Consult the dealer or an exp.

—Consult the dealer or an exp

contact with any objects.

Always remove batteries after use and store/transport them per the corresponding guidelines.

Always remove batteries after use and store/transport them per the corresponding guidelines.

Avoid water exposure to all electronic components, parts, etc. not specifically designed and protected for use in water. Moisture causes damage to electronic components and parts.

Never place any portion of the aircraft or any related accessories, components or parts in your mouth as doing so could cause serious injury or even death.

Always kern of the aircraft or any related accessories, components or parts in your mouth as doing so could cause serious injury or even death.

Always kern of the aircraft or any related accessories, components or parts in your mouth as doing so could cause serious injury or even death.

Always kern of the aircraft or any related accessories, components or parts in your mouth as doing so could cause and the aircraft or any related accessories, components or parts in your mouth as doing so could cause serious injury or even death.

Always kern over and store of the aircraft or any related accessories, components or parts in your mouth as doing so could cause and the aircraft or any related accessories, components or parts in your mouth as doing so could cause and the aircraft or any related accessories, components or parts in your mouth as doing so could cause and the aircraft or any related accessories, components or parts in your mouth as doing so could cause and the aircraft or any related accessories, components and parts. serious injury or even death.
Always keep chemicals, small parts and electronic components out of the reach of children.
Carefully follow the instructions and warnings included with this aircraft and any related accessories, components or parts
(including, but not limited to, chargers, rechargeable batteries, etc.).

WARNING: Lithium Polymer (LiPo) batteries are significantly more volatile than alkaline, NiCd or NiMH batteries. All instructions and warnings must be followed exactly to prevent property damage and/or serious injury as the mishandling of LiPo batteries from the fire. By handling, charging or using the included LiPo battery you assume all risks associated with LiPo batteries. If

precautions and warnings, instructions, warranties and other collateral information is subject to if Yuneec. For the most up-to-date information please visit the corresponding product page at enearest Yuneec office or authorized distributor.

It is terms are used throughout the product literature to indicate various levels of potential harm in the product literature to indicate various levels of potential harm in the product literature to indicate various levels of potential harm in the product literature to indicate various levels of potential harm in the product literature to indicate various levels of potential harm in the product literature to indicate various levels of potential harm in the product literature to indicate various levels of potential harm in the product literature to indicate various levels of potential harm in the product literature to indicate various levels of potential harm in the product literature to indicate various levels of potential harm in the product literature to indicate various levels of potential harm in the product literature to indicate various levels of potential harm in constant observation to monitor the charging process and react immediately to any potential problems that may occur.

After flying/discharging the LIPo battery various usually to only the included the product literature to indicate various levels of potential harm in constant observation to monitor the charging process and react immediately to any potential problems that may occur as a state of the product product and the product literature to indicate various levels of potential harm in constant observation to monitor the charging process and react immediately to any potential problems that may occur as a state of the product of the product

To charge the LiPo battery you must use only the incuored chalges or a sustanty composite an order of the result in a fire causing property damage and/or serious injury.

If at any time the LiPo battery begins to balloon or swell, discontinue charging or discharging immediately. Quickly and safely disconnect the battery, then place it in a safe, open area away from flammable materials to observe it for at least 15 minutes. Continuing to charge or discharge a battery that has begun to balloon or swell can result in a fire. A battery that has ballooned or swollen even a small amount must be removed from service completely.

Do not over-discharge the LiPo battery. Discharging the battery to low can cause damage to the battery resulting in reduced power, flight duration or failure of the battery entirely. LiPo cells should not be discharged to below 3.0V each under load.

Store the LiPo battery at room temperature and in a dry area for best results.

When or sugging, transporting or temporarily storing the LiPo battery the temperature range should be from approximately 40–120° F.G.-7. On to store the battery or aircraft in a hot garage, car or direct sunlight. If stored in a hot garage or car the battery can be damaged or even catch fire.

F (5-49° C). Do not store the battery or aircraft in a hot garage, car or direct sunlight. If store be damaged or even catch five. Never leave batteries, chargers and power supplies unattended during use. Never attempt to charge low voltage, ballooned/swollen, damaged or wet batteries. Never allow children under 14 years of age to charge batteries. Never allow children under 14 years of age to charge batteries. Never altow the state of the sta

Always inspect the battery, that is a low bostoned by the same power supplied by the same power suppli

WARNING: As the user of this product you are solely and wholly responsible for operating it in amanner that does not endanger yourself and others or result in damage to the product or the propetty of others.

Keep your hands, face and other parts of your body away from the spinning propellers/rotor blades and other moving parts at all times. Keep times that could impact or become entangled away from the spinning propellers/rotor blades and other moving parts at all times. Keep times that could impact or become entangled away from the 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. Never fly near or above crowds, airports or buildings.

To ensure proper operation and safe flight performance never attempt to operate your aircraft in areas with potential magnetic and/or radio interference including areas nearby broadcast towers, power transmission stations, high voltage power lines, etc.

Always keep a time to operate your aircraft in a reas with potential magnetic and/or radio interference in cluding areas nearby broadcast towers, power transmission stations, high voltage power lines, etc.

Always keep a safe distance in all directions and or injury. This aircraft is controlled by a radio signal subject to interference from many sources outside your control. Interference can cause momentary loss of control. To ensure proper and safe operation of the automatic landing function in Home Mode you must start the automatic landing function in Home Mode you must start the automatic landing function in Home Mode your aircraft to achieve a proper and safe operation of the automatic landing function in Home Mode your work and your aircraft to avoid components, parts, etc. (including that in the proper and safe operation of the automatic landing function in Home Mode your aircraft to achieve a proper and safe operation of the automatic landing function in Home Mode your aircraft to achieve a p

IC RADIATION EXPOSURE STATEMENT FOR CANADA

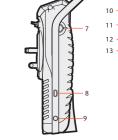
Carefully follow the instructions and warnings included with this aircraft and any related accessories, components or parts (including, but not limited to, chargers, rechargeable batteries, etc.).

CAUTION: The electronic speed controls (ESCs) installed in TYPHOON are not compatible with any other product, and TYPHOON is not compatible with any other ESCs. Use of any other ESCs in TYPHOON will cause a crash, which may result in damage to the product, property and/or cause serious injury.

BATTERY WARNINGS AND USAGE GUIDELINES

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. L'exploitation est autorisée aux deux conditions suivantes: (1) iappareil ne doit pas produire de brouillage, et (2) I utilisateur de l'appareil doit accepter tout brouillage et susceptible d'en compromettre le fonctionnement.

TYPHOON





5 Main LED Status Indicato

2 Camera LED Status Indicato 4 5.8GHz Antenna

6 Power Switch 8 USB Connector/Charging Port 10 Take Still Photo Button 11 Start/Stop Motors Button 12 Rudder/Yaw Control (for Mode 2 and Mode 1)

13 Throttle/Altitude Control (for Mode 2)

Elevator/Pitch Control (for Mode 1) 5 Status Indicators (for ST10+ battery, 5.8GHz WiFi and GPS)

16 2.4GHz Antenna (located inside the handle) 7 Start/Stop Video Recording Button

23 CGO3 Pitch Angle/Position Control

FC C N12891 (E 🐰 TYPHOON O500 4K Ouickstart V3.0

WWW.YUNEEC.COM

21 Power Switch

18 Flight Mode Selection Switch
19 Aileron/Roll Control (Mode 2 and Mode 1)

20 Elevator/Pitch Control (Mode 2)

22 Volume and Navigation Touch-Activated