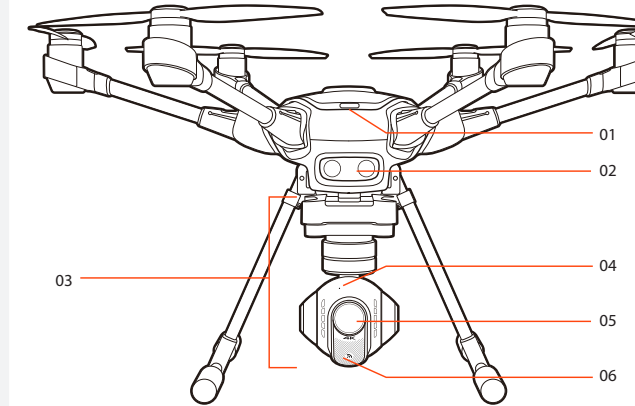


## INTRODUCTION

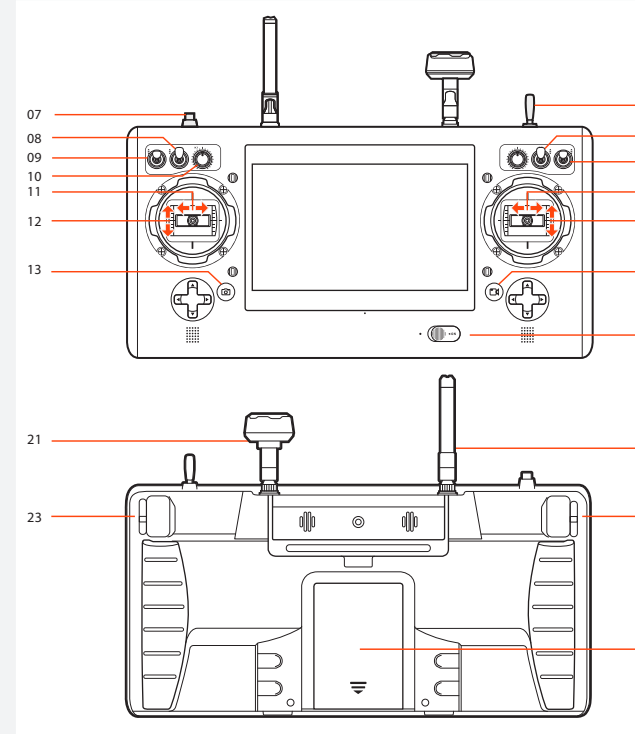
The Typhoon H is an advanced aerial photography and videography platform. Thanks to Yuneec's spirit of innovation and pursuit of advanced technology, the TYPHOON H, the smallest and smartest member of the TYPHOON family, is the best choice for skilled pilots and photographers alike. The Typhoon H offers up to 22 minutes of flight time while filming with the CGO3+ 4K-resolution camera. The copter is powered by its easy, intuitive remote control, the ST16 Personal Ground Station, which features a 7-inch Android touchscreen that displays live footage of your flight.

## OVERVIEW



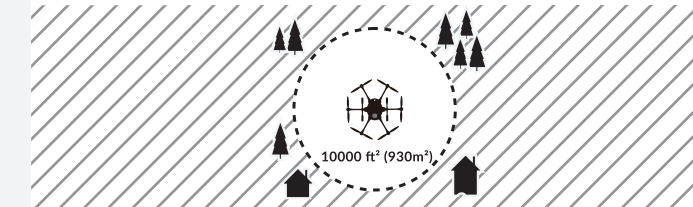
### TYPHOON H / ST16 Ground Station

- |                                |                                                                           |
|--------------------------------|---------------------------------------------------------------------------|
| 01 Power Switch                | 08 Gimbal Pan Mode (Follow Mode/Follow Pan Controllable Mode/Global Mode) |
| 02 Sonar                       | 09 Gimbal Tilt Mode (Angle Mode/Velocity Mode)                            |
| 03 CGO3+ Gimbal Camera         | 10 Gimbal Pan Control                                                     |
| 04 Camera LED Status Indicator | 11 Rudder/Yaw Control (Mode 2 and Mode 1)                                 |
| 05 Camera Lens                 | 12 Throttle/Altitude Control (Mode 2)                                     |
| 06 5.8GHz Antenna              | 13 Elevator/pitch control (Mode 1)                                        |
| 07 Start/Stop Motors Button    |                                                                           |



## PLACEMENT BEFORE TAKEOFF

**WARNING:** Always operate the TYPHOON H 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.



Never attempt to operate the TYPHOON H nearby tall buildings/obstructions that do not offer a clear view of the sky (a minimum clearance of 100°). Be sure to place the TYPHOON H on a level and stable surface before powering ON the Ground Station and the aircraft.



TAKEOFF ZONE



PILOT LOCATION

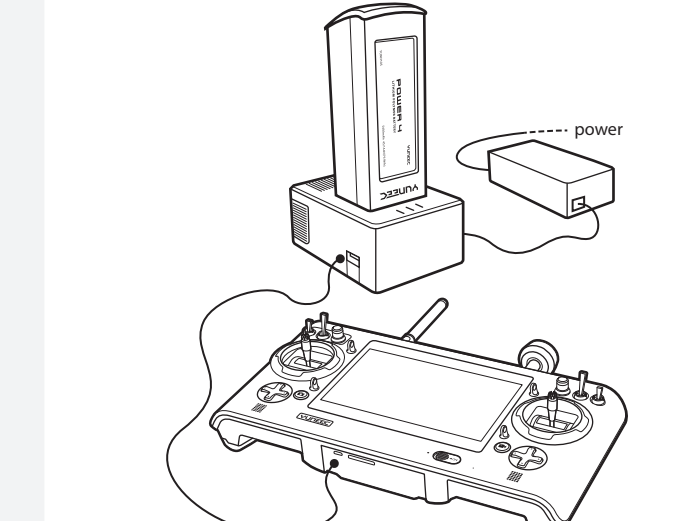


IMPORTANT NOTE: STEP BACK APPROXIMATELY 26 FEET (8 METERS) BEHIND THE TYPHOON

## CHARGING THE LIPO FLIGHT BATTERY AND ST16 BATTERY

Power the SC4000-4 charger from a 100-240V AC outlet using the AC adapter/power supply, or from a 12V-16.8V DC accessory socket/cigarette lighter receptacle in a vehicle using the included adapter.

Plug the aircraft battery into the charger port as illustrated. A green blinking LED indicates the charger is powered on and ready to charge, and a red blinking LED indicates the battery is charging. It will take approximately 2.5 hours to charge a fully discharged (not over-discharged) battery. A solid green LED indicates the battery is fully charged.



**WARNING:** All instructions and warnings must be followed exactly to prevent property damage and/or serious injury as the mishandling of Li-ion/LiPo batteries can result in fire.

### FOR THE ST16 GROUND STATION

You can charge the ST16 battery by using supplied USB cable and inserting it into the USB port on the charger. It will take approximately 5 hours to charge a fully discharged (not over-discharged) battery.

**WARNING:** Do not plug the battery in the charger for long time when the charging finishes or the charger alerts.

## ASSEMBLY

### STEP 1: ASSEMBLING THE ARMS

Unfold the motor arms and secure them until hearing a 'click'.

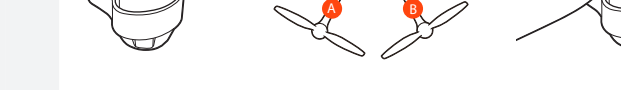
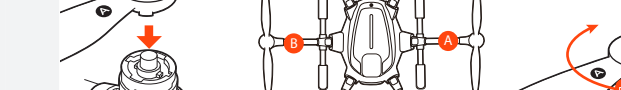
**NOTICE:** Press the 'Press' button and you can fold the motor arms.



### STEP 2: INSTALLING THE PROPELLERS

**IMPORTANT NOTE:** Always ensure propellers are installed properly. The motors are extremely powerful, meaning that if the device is misused there is a risk of material damage, serious injury and even fatal injury.

Mount the propellers on the motors and note the 'A' and 'B' given on the motor arms. This distinction between 'A' and 'B' refers to propeller 'A' and 'B'. Mount propeller 'A' on motor 'A' and propeller 'B' on motor 'B'. Press and rotate propellers in the direction the [A] points to, and the propellers will be locked.



### STEP 3: INSTALLING THE FLIGHT BATTERIES

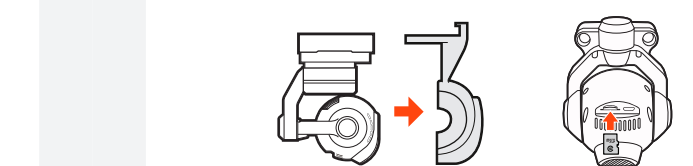
Push the battery into the battery compartment with the YUNEEC logo facing upwards until hearing a 'click', which means the battery is installed successfully.

**NOTICE:** Gently open the battery cap to the maximum degree (to a position where is almost horizontal with the GPS cover), then you can pull the battery out.



## STEP 4: REMOVE THE PROTECTIVE COVER AND INSERT THE SD CARD

Carefully remove the protective cover from the camera lens. Insert the included 16GB card or any Class 10 microSD card from 16GB to 128GB.



### BATTERY WARNINGS AND USAGE GUIDELINES

**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 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 immediately.

Mount the propellers on the motors and note the 'A' and 'B' given on the motor arms. This distinction between 'A' and 'B' refers to propeller 'A' and 'B'. Mount propeller 'A' on motor 'A' and propeller 'B' on motor 'B'. Press and rotate propellers in the direction the [A] points to, and the propellers will be locked.

Never charge the LiPo battery unattended at any time. When charging the battery you must always remain in constant observation to monitor the charging process and react immediately to any potential problems that may occur.

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

To charge the LiPo battery you must use only the included charger or a suitably compatible LiPo battery charger. Failure to do so may 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 too 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 charging, transporting or temporarily storing the LiPo battery the temperature range should be from approximately 40-120° F (5-49° C). Do not 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.

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 charge a battery if any of the wire leads have been damaged or shorted.

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

Never drop batteries, chargers or power supplies.

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

Always ensure correct polarity before connecting batteries, chargers and power supplies.

Always disconnect the battery after charging.

Always terminate all processes if the battery, charger or power supply malfunctions.

## GENERAL SAFETY PRECAUTIONS AND WARNINGS

**WARNING:** Failure to use this product in the intended manner as described in the quick start guide and instruction manual can result 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.

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 items 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 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 worn and/or damaged components, parts, etc. 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, lightning, etc.

Always begin to operate your aircraft 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 (as indicated by the vibrations 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 icon on the screen of 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.

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 flying again.

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 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.).

**CAUTION:** The electronic speed controls (ESCs) installed in the TYPHOON H 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.

## FCC STATEMENT:

This equipment has been tested and found to comply with the limits for Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

–Increase the separation between the equipment and receiver.

–Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

–Consult the dealer or an experienced radio/TV technician for help.

### RF EXPOSURE WARNING

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

### IC RADIATION EXPOSURE STATEMENT FOR CANADA

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.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This equipment complies with IC RSS-102 radiation exposure limit set forth for an uncontrolled environment.

Cet équipement respecte les limites d'exposition aux rayonnements IC définies pour un environnement non contrôlé.

### NCC Warning Statement

Article 12 Without permission, any company, firm or user shall not alter the frequency, increase the power, or change the characteristics and functions of the original design of the certified lower power frequency electric machinery.

Article 14 The application of low power frequency electric machineries shall not affect the navigation safety nor interfere a legal communication, if an interference is found, the service will be suspended until improvement is made and the interference no longer exists.

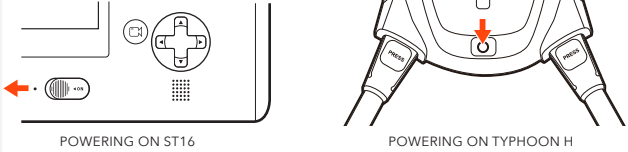


Any information above might be changed due to the software update. For the latest documents, please check the official website.



## POWERING ON / OFF

**NOTE:** ALWAYS turn on the ST16 Ground Station and allow it to boot up BEFORE turning the TYPHOON H on (and ALWAYS turn the TYPHOON H off BEFORE turning off the ST16 Ground Station).



Place the TYPHOON H on a level and stable surface then power on the ST16 Ground Station. Press and hold power button on TYPHOON. Release the button when the aircraft emits a rising tune. DO NOT TOUCH OR MOVE THE TYPHOON H UNTIL THE INITIALIZATION PROCESS IS COMPLETE. The gimbal camera will spin to the front position, the main aircraft LED will blink red, green and blue rapidly during the process of initialization.

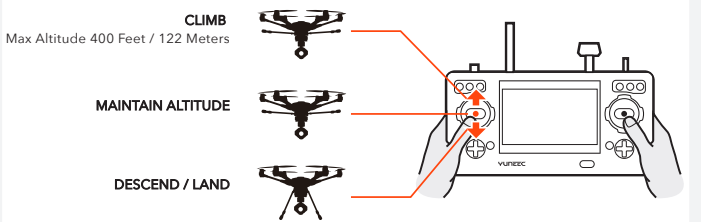
**NOTICE:** If the main LED blinks red slowly, the initialization has failed. The aircraft needs to be powered on again. To power off the aircraft, press and hold the power button until the aircraft emits a falling tune.

## STARTING/STOPPING THE MOTORS

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

Step back approximately 26 feet (8 meters) behind the TYPHOON H, make sure the ST16 Ground Station is in the Angle mode or Smart mode. With sustainable GPS signal from both the Ground Station and the aircraft, tap the TASK/CAMERA icon on the ST16 screen, and tap the TAKE OFF icon and slide it on the screen, then the aircraft will climb to the height of 2 meters and automatically hold its position (make sure both sticks are in the center position).

## FLIGHT CONTROLS



To take off, slowly raise the left-hand stick to above the center position. The TYPHOON H will take off and climb slowly (or raise the stick further until it does). Allow the stick to return to the center position when the TYPHOON H reaches the desired altitude.

### FLYING

Take your time learning how the TYPHOON H responds to various control inputs while flying. In Smart Mode, the TYPHOON H 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.

In Angle (Pilot) Mode, the TYPHOON H 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 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.

**IMPORTANT NOTE:** If at any time during flight you feel like the TYPHOON H is drifting out of/beyond your control, simply release both control sticks. The TYPHOON H 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 TYPHOON H automatically flies itself back to the home point and lands.

### LANDING

There are two ways to land the TYPHOON H:  
1) Position the TYPHOON H above the area where you would like to land. Slowly lower the left-hand stick to below the center position. The TYPHOON H will descend slowly and land. After the TYPHOON H lands, press and hold the START/STOP button until the motor stops.  
2) Activate Home Mode and the TYPHOON H will automatically fly itself back to the home point and will land within a 6.6 feet (2 meters) diameter circle around it.

**NOTICE:** After the copter takes off, the pilot can retract the landing gear by switching up the Landing Gear Switch on the top right side of the ST16 Ground Station. Make sure to flip the switch to the downward position when landing.

**WARNING:** Always land as soon as possible after the 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 ST16 Ground Station, and by the Motor LED Status Indicators flashing rapidly). If at any time the Aircraft Battery Voltage shown on the screen is below 14.1V, land TYPHOON immediately.

### AFTER LANDING

ALWAYS turn off the TYPHOON H BEFORE turning off the ST16 Ground Station. Then remove the battery from TYPHOON and allow it to cool to ambient/room temperature before recharging.

**NOTICE:** If the signal of remote control is lost, the TYPHOON H will automatically return to home point and hold its position (with a suitable GPS signal/lock) over the home position (except for low battery).

## PROPORTIONAL CONTROL RATE SLIDER

The Proportional Control Rate Slider located on the right side of the ST16 Ground Station allows you to set the overall climb/descend and directional control rates.

Use the turtle position for the lowest control rates (best for first-time pilots and required when flying between 5000 feet and 8000 feet Above Mean Sea Level), and use the rabbit position for the highest control rates (best for experienced pilots and can only be used when flying below 5000 feet MSL). Or use a position in between if you prefer.

## FLIGHT MODES

The ST16 Ground Station is equipped with 3 different flight modes which can be selected by using the mode switch in the top right corner above the right joystick.

### SMART MODE

When the Flight Mode selection switch is in the top position the TYPHOON H will be in Smart Mode. Although we recommend learning to fly the TYPHOON H in Angle (Pilot) Mode as soon as possible, Smart Mode is typically the best mode for beginning pilots to fly in and also features 'Follow Me'.

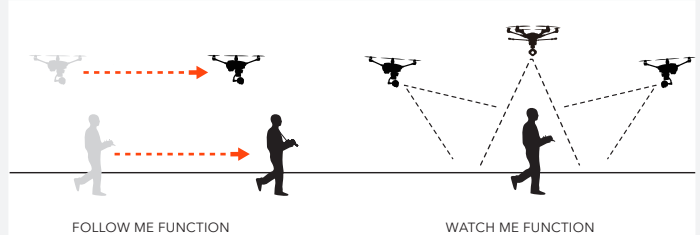
In Smart Mode the TYPHOON H will always move in the direction the right-hand control stick is pushed relative to the pilot and no matter which way the front/nose is pointed. So if you push the stick to the left the TYPHOON H will always move to the left, regardless of the direction the nose is pointing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

### \*ADDITIONAL SMART MODE FEATURES

#### FOLLOW ME FUNCTION

The Follow Me function allows the TYPHOON H to follow the pilot, adjusting its location to the location of the ST16 Ground Station. This function is enabled when ST16's GPS positioning completes, and the TYPHOON H is using shared GPS signal with the ST16 Ground Station. When in Follow Me function, the background of the 'Follow' icon will be red and the icon of Follow [F] will be white highlighted, the TYPHOON H will follow the movement of ST16 Ground Station if there is no extra operation on the ST16 Ground Station. The flight status is also controllable when you operate the ST16 and CGO3+.

**IMPORTANT NOTE:** In Follow Me function, the aircraft will maintain a constant altitude and cannot detect obstacles. Pilots who change their altitude by for example, moving to higher ground, during flight should be careful of this.



### WATCH ME FUNCTION

Watch Me enables the camera to keep tracking the remote controller no matter where and how it moves as the camera can automatically tilt its angle according to the controller. Usually, the default function under Smart Mode is Follow Me. Watch Me function can be switched to by following steps:  
In Watch Me function, the pilot will always be kept in the frame wherever he moves.

Watch Me/Follow Me Button: When in Smart Mode, press [F] to switch the TYPHOON H between the Watch Me and Follow Me function. The Follow Me function is the default setting, and the icon of Follow will be white highlighted. If it is NOT AVAILABLE, it means the ST16's GPS isn't ready yet. Please wait.  
Press [F], and the background of the 'Watch' icon will turn red and the icon of Watch [W] will be white highlighted, and the 'Follow' icon will be black. This means the Watch Me function is now enabled.

**NOTE:** When the TYPHOON H is above 6.6ft (2m) and out of the Smart Circle during flying, the yaw direction will take the control itself. Camera lens will always point to you as long as Flight Mode is in Watch Me function. Please put the CGO3+ Gimbal Tilt Control Slider in the middle position. If you want to trim camera angle up, then just move the Gimbal Tilt Control Slider a bit up. If you want to trim camera angle down, just move the slider down.

### SMART CIRCLE

In most cases the Smart Circle will keep the TYPHOON H from coming within approximately 26 feet (8 meters) of you (as long as you position yourself at least 26 feet/8 meters behind the TYPHOON H).

### GEO-FENCE

The geo-fence is a virtual barrier that will keep the TYPHOON H from traveling further than 300 feet (91 meters). The geo-fence only works in Smart Mode. Although this limit can be adjusted using the USB interface/programmer and software we strongly recommend using the default limit at all times.

**WARNING:** Smart Mode only works when the TYPHOON H has a suitable GPS signal/lock. If you take off in Smart Mode and the TYPHOON H 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 you lose GPS signal/lock and are not able to properly control the TYPHOON H in Angle (Pilot) Mode the aircraft may crash or even 'fly away'.

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

**IMPORTANT NOTE:** When the ST16 Ground Station is connected to less than 6 satellites, the 'FOLLOW ME' feature will be disabled.

## ANGLE MODE

When the Flight Mode selection switch is the middle position the TYPHOON H will be in Angle (also known as Pilot) Mode. Angle (Pilot) Mode is the mode preferred by experienced RC/drone pilots because the TYPHOON H will move in the direction the control stick is pushed relative to the front/nose of the aircraft. So if you push the right-hand stick to the left the TYPHOON H will bank toward the left side and move to the left. This means if the front/nose of the TYPHOON H is pointing away from you it will move to the left, but if the front/nose is pointing at you the TYPHOON H will move to the right.

\*Additional Angle (Pilot) Mode Feature:  
The TYPHOON H will automatically hold its position (with a suitable GPS signal/lock) and maintain a level attitude when the right-hand stick is centered.

**WARNING:** If you do not properly control the TYPHOON H in Angle (Pilot) Mode the aircraft may crash or even 'fly away'.

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

### OBSTACLE AVOID Switch

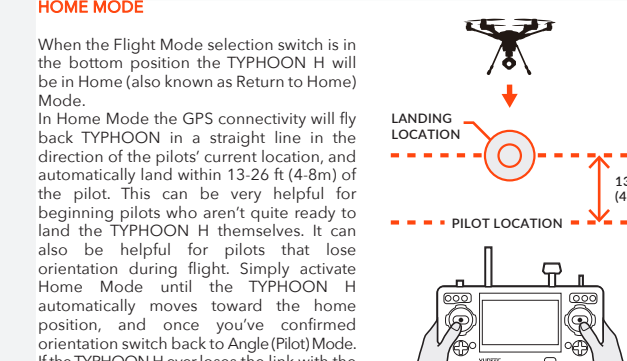
With sustainable GPS locked, the sonar can be activated in Angle (Pilot) Mode by being switched on with the TYPHOON H higher than 9.9ft (3 meters). When the sonar is activated, the front motor LED will blink white and the icon on the ST16 screen will be solid green. If the OBSTACLE AVOID is switched on, but the function can't be activated, then the icon will be yellow.

**IMPORTANT NOTE:** The environment requirement such as flying height might change depending on the situation. Only when the icon on the ST16 screen is solid green, it means the OBSTACLE AVOID function is activated.

**NOTICE:** The sonar can only detect the front obstacles, but can't detect the lateral and rear obstacles.

**NOTICE:** The speed of the aircraft will be limited with sonar activated.

**NOTICE:** For the most up-to-date information of OBSTACLE AVOID, please visit the corresponding product page at [www.Yuneec.com](http://www.Yuneec.com) or contact the nearest Yuneec office or authorized distributor.



## HOME MODE

When the Flight Mode selection switch is in the bottom position the TYPHOON H will be in Home (also known as Return to Home) Mode.

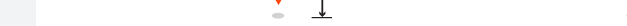
In Home Mode the GPS connectivity will fly back TYPHOON in a straight line in the direction of the pilots' current location, and automatically land within 13-26 ft (4-8m) of the pilot. This can be very helpful for beginning pilots who aren't quite ready to land the TYPHOON H themselves. It can also be helpful for pilots that lose orientation during flight. Simply activate Home Mode until the TYPHOON H automatically moves toward the home position, and once you've confirmed orientation switch back to Angle (Pilot) Mode. If the TYPHOON H ever loses the link with the ST16 Ground Station it will automatically enter Home Mode.

**NOTICE:** If the signal of remote control is lost, the TYPHOON H will automatically return to home point and hold its position (with a suitable GPS signal/lock) over the home position except for low battery.

### WHEN HOME MODE IS ACTIVATED TYPHOON WILL RESPOND AS FOLLOWS:

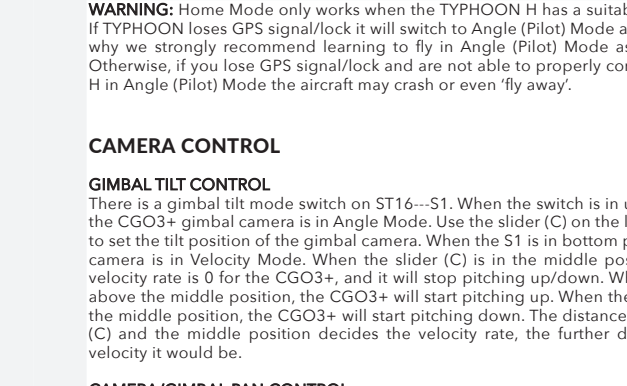
A) When flying higher than 33 feet (10 meters) the TYPHOON H will maintain the current altitude, fly back to the home point, or active home point if the ST16 Ground Station has enough satellites for Follow Me, then descend vertically until it lands.

B) When flying lower than 33 feet (10 meters) the TYPHOON H 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.



**NOTICE:** Users can control tilt, roll and yaw directions during descent. The TYPHOON H will hang over the home position at the current height when RC signal is lost.

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



## CAMERA CONTROL

### GIMBAL TILT CONTROL

There is a gimbal tilt mode switch on ST16--S1. When the switch is in up/middle position, the CGO3+ gimbal camera is in Angle Mode. Use the slider (C) on the left side of the ST16 to set the tilt position of the gimbal camera. When the S1 is in bottom position, the gimbal camera is in Velocity Mode. When the slider (C) is in the middle position, it means the velocity rate is 0 for the CGO3+, and it will stop pitching up/down. When the slider (C) is above the middle position, the CGO3+ will start pitching up. When the slider (C) is below the middle position, the CGO3+ will start pitching down. The distance between the slider (C) and the middle position decides the velocity rate, the further distance, the higher velocity it would be.

### CAMERA/GIMBAL PAN CONTROL

There is a gimbal pan mode switch on ST16--S2. When the switch position is up, the gimbal camera is in Follow Mode. The pan control of the gimbal camera is now disabled. The gimbal camera will adjust its pan direction according to the aircraft's movements. When the switch is in the middle position, the gimbal camera is in Follow a Controllable Mode, the gimbal camera will adjust its pan direction according to the aircraft's movements. Meanwhile, the pan control is activated, use the K1 to set the pan position of the gimbal camera. When the switch position is down, the gimbal camera is in Global Mode. The pan direction of the gimbal camera will be fixed regardless of the aircraft's movements. Use the K1 to set the pan position of the gimbal camera.



Button A = Take Still Photo  
Button B = Start/Stop Recording Video

**IMPORTANT NOTE:** If the pilot needs to adjust the channel setting manually, or run the functions of JOUR (Journey), CCC (Curve Cable Cam), POI (Point of Interest) or ORBIT (Orbit me), tap the SYSTEM SETTING and choose OTHER SETTING on the ST16 Ground Station, turn on the ADVANCE. You can download the User Manual from the YUNEEC official site: [www.yuneec.com](http://www.yuneec.com) for detailed information.

**WARNING:** Home Mode only works when the TYPHOON H has a suitable GPS signal/lock. If 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, if you lose GPS signal/lock and are not able to properly control the TYPHOON H in Angle (Pilot) Mode the aircraft may crash or even 'fly away'.

## IMPORTANT NOTE: All safety precautions and warnings, instructions, warranties and other collateral information is subject to change at the sole discretion of Yuneec. For the most up-to-date information please visit the corresponding product page at [www.Yuneec.com](http://www.Yuneec.com) or contact the nearest Yuneec office or authorized distributor.

The following special language terms are used throughout the product literature to indicate various levels of potential harm when operating this product:

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

**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 correctly can result in damage to the product, property and/or cause serious injury.

**WARNING:** This is a sophisticated consumer product. It must be operated with caution and common sense, and requires some basic mechanical ability. Failure to operate this product in a safe and 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 quick start guide and instruction manual contain instructions for safety, operation and maintenance. It is essential to read and follow all the instructions and warnings prior to assembly, setup and/or use in order to operate the product correctly and avoid damage or serious injury.

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

