Typhoon H Checklist

PRE-FLIGHT CHECKLIST

- ☐ Check **B4UFly** and **UAV Forecast**
- ☐ Typhoon H and ST16 batteries charged
- ☐ Find safe launch and recover area
- ☐ Mark launch and recovery area with cones
- ☐ Note location of trees and power lines
- ☐ Inform Spectators/neighbors of flight plan

PRE-FLIGHT AIRCRAFT INSPECTION

- ☐ Inspect Landing gear and arms for cracks
- ☐ Arms extended and locked in place
- ☐ Check motor mount rivets
- ☐ Propellers Installed and locked
- ☐ Motors spin free and smooth
- ☐ Inspect Typhoon H for obvious defects
- ☐ Lens Filter needed? Yes/No
- ☐ SD card in camera, SD card formatted if needed
- ☐ Remove gimbal lock/cover
- ☐ Insert and lock battery in place

START-UP

- ☐ Set default ST16 setting
  - o Angle mode selected
  - o Obstacle Avoidance set to off
  - o Pan switch set up
  - o Pan control dial centered
  - o Landing Gear switch set to down
  - o Gimbal pitch slider in up position
- ☐ ST16 Antennas in proper position
- ☐ Power on ST16
- ☐ Power on Typhoon H
- ☐ Monitor brightness set to high & hood installed
- ☐ Wait for Connection and Video signal
- ☐ Set camera mode as required Video/Camera
- ☐ Wait for GPS Lock (11+ GPS)
- ☐ Check LED status indicator (See chart on back)
- ☐ Adjust/set camera settings as needed

FLIGHT

- ☐ Launch and recovery Area clear of people
- ☐ Warn bystanders of imminent takeoff
- ☐ Start motors
- ☐ Hover for 20-30 seconds do control check
- ☐ Landing gear up
- ☐ Monitor battery power
- ☐ Monitor signal strength
- ☐ Monitor GPS Signal
- ☐ Keep line of sight with Typhoon H at all times
- ☐ Turn on Obstacle Avoidance as required
- ☐ Start Video as required

LANDING

- ☐ Angle mode selected
- ☐ Obstacle Avoidance off
- ☐ Landing Gear down
- ☐ Hover over recovery area
- ☐ Scan recovery area for clearance (People)
- ☐ Land
- ☐ Stop Motors
- ☐ Stop Video
- ☐ Shutdown Typhoon H
- ☐ Shutdown ST16

Pack up

- ☐ Remove battery
- ☐ Install Gimbal lock
- ☐ Check Typhoon H for damage
- ☐ Log flight
- ☐ Log flight batteries
- ☐ Pack up Typhoon H
- ☐ Clean up/scan area for items left behind
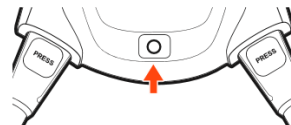
EMERGENCY PROCEDURE

Erratic behavior or loss of control

- ☐ Switch to Angle mode
- ☐ Select RTH
- ☐ If no control, try switching between modes
- ☐ Switch GPS and OBS off and try to fly manually
- ☐ If control is regained located safe place and land

CALIBRATION

CAUTION: Do not calibrate the compass in parking garages, close to buildings or near roads with a metal core. For optimum performance, only calibrate Typhoon H in open spaces, far away from power li nes and other metal structures or concrete buildings

Power on the ST16 Ground Station first and then the aircraft, and make sure they are connected correctly. If they are not connected correctly, the telemetry data will not display on the scr een.

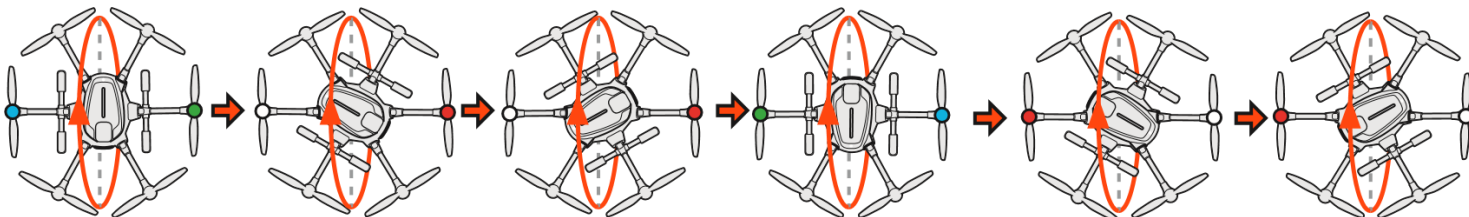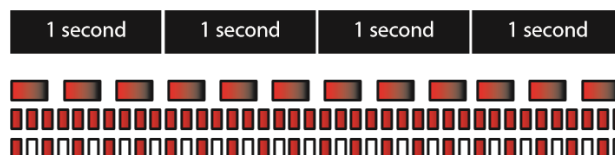| Lift Typhoon H airframe straight & level. When the LEDs on two motors start to blink blue and green separately as illustrated, turn it forwar d as shown by the r ed arrow above until the two LEDs turn of f.	When the LEDs on another two motors start to blink white and red separately as illustrated, turn the aircraft 60° to the lef t and then turn it forwar d as shown by the r ed arrow above until the two LEDs turn off.	When the LEDs on another two motors start to blink white and red separately, Turn the aircraft 60° to the lef t again and then turn it forwar d as shown by the r ed arrow above until the two LEDs turn off	When the LEDs on another two motors start to blink green and blue separately, Turn the aircraft 60° to the lef t again and then turn it forwar d as shown by t he red arrow above until the two LEDs turn off.	When the LEDs on another two motors start to blink red and white separately, Turn the aircraft 60° to the left again and then turn it forward as shown by the r ed arr ow above until th e two LEDs turn of f.	When the LEDs on another two motors start to blink red and white separately, Turn the aircraft 60° to the lef t again and then turn it forwar d as show n by the r ed arrow above until the tw o LEDs turn of f.

LED STATUS INDICATIONS

LED STATUS INDICATIONS DURING STARTUP

1 second	1 second	1 second	1 second

- Initialization failed
- The Aircraft is in "Bind" Mode
- The Aircraft is in a No-Fly Zone

LED STATUS INDICATIONS BEFORE/DURING FLIGHT
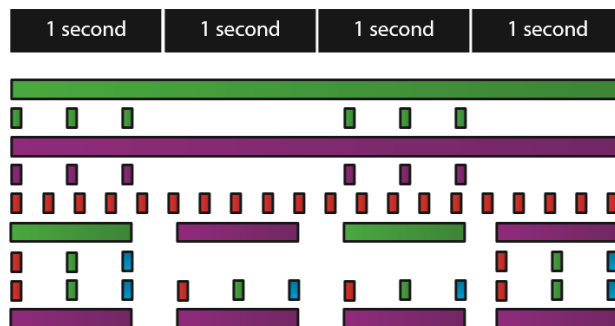
1 second	1 second	1 second	1 second

Main LED Status Indicator
- The Aircraft is in Smart Mode with GPS lock
- The Aircraft is in Smart Mode without GPS lock
- The Aircraft is in Angle Mode with GPS lock
- The Aircraft is in Angle Mode without GPS lock
- The Aircraft is in Home Mode
- Enter Task function
- First Level low Voltage Battery Warning
- Second Level low Voltage Battery Warning
- GPS Disabled

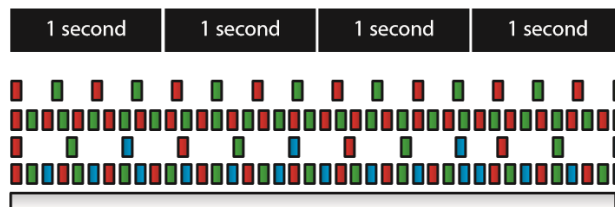NOTICE: White blink between solid flight mode indicated enough sattelites for Watch Me/Follow Me

Below Motor Led Status Indicators
- Low voltage battery warning

LED STATUS INDICATIONS FOR CALIBRATION MODES

1 second	1 second	1 second	1 second

- Compass Calibration Mode Entered
- Compas Calibration Started
- Accelerometer Calibration Mode Entered
- Acceleremoter Calibration Started
- Calibration failed

CGO3+ CAMERA LED STATUS INDICATIONS

1 second	1 second	1 second	1 second

- Without T-card or T-card Memory Full
- Wifi Error
- Wifi Initialized
- GPS Disabled
- GPS Disabled