

# Thunder Tiger Ghost

## GH<sup>+</sup>ST



### FEATURES (Thunder Tiger Ghost):

- Enlarged frame space provides abundant assembly space for electron systems and easier to install various auxiliary equipment required for aerial photography;
- Intelligent power display system on the surface provides battery capacity check and anti-spark design;
- Can use either proprietary battery or use standard Li-po batteries;
- Build-in "Follow Me" function let the Pilot Drone can Follow him/her to everywhere;
- Retractable Landing Skids provide better view of the camera lens (360 Degrees)



### SPECIFICATIONS (Thunder Tiger Ghost):

- Diagonal distance: 450 millimeters;
- Frame weight (motor, esc, props): 1.45 Kg;
- Motor stator size: 28.0 x 14.0 mm;
- Motor KV: 450 rpm/V;
- ESC current: 30 A;
- ESC voltage: 6S Li-po;
- Propeller size: 11" (27.9 cm);
- Battery compartment capacity: 6S Li-po (2 x 4000mAh);
- Takeoff weight: 2.15Kg (using 6S/6000mAh proprietary battery);
- Max hover time: about 25 minutes (6S/6000mAh)

## Thunder Tiger Ghost

The Ghost is the Thunder Tiger's more compact multi-rotor aircraft. The Drone was launched into the market in early 2015. The Ghost comes equipped with an enlarged frame design and retractable landing gear. The unique intelligent power display system shows the battery life and features an anti-spark design. The large high-intensity directional LED lights are mounted under each motor to help with flight orientation. The Ghost's design is compatible with multiple camera gimbal systems and is also able to accept standard Li-po batteries in addition to the proprietary TTRobotix Li-po battery. The RTF Ghost version package comes equipped with a GPS, WIFI, Hero Flight Controller, 6S 6000mAh battery, Commander Radio and 3D gimbal (GoPro compatible).



# DIMENSIONS (Thunder Tiger Ghost)





## Thunder Tiger Ghost



### 01 - ANTENNA COMPASS:

Ensure the better calibration, the Compass of the Drone is separated due to sensitive to EMI (Electromagnetic Interference).

### 02 - INTELLIGENT POWER DISPLAY SYSTEM:

After inserting the battery cartridge, the Pilot can check out the battery capacity (level) from the LEDs circle display.

### 03 - REMOVABLE BATTERY CARTRIDGE:

The Thunder Tiger Ghost uses a 6S, 22.2 volts, 6000 mAh, Li-po flat pack battery. It's possible to use 2S or 3S rechargeable standard Li-po batteries as an alternative.

### 04 - LANDING GEAR:

Retractable landing gears provide better view of the Camera lens. No barriers for the in-flight videos and pictures. A 360° Field of Aerial View!



### 05 - REMOTE CONTROL:

Includes a holder for a smartphone and FPV that allows the Pilot to monitor the live view of the Thunder Tiger Ghost quadcopter.





### Morpheus H3D-360 Features:

- New designed brushless gimbal for GoPro Hero3/3+;
- Adopt special slip ring components. The third shaft can be 360 degrees of unlimited rotation.
- Provide Chase Head and Lock mode pointing the camera towards front side by clicking just one button;
- The Gimbal uses separated position sensors to avoid cumulative error for the chase head mode;
- The three axis (Tilt, Roll, Pan) can be controlled independently;
- Increased rate of 5200 Hz prove a delicate stabilizing effect;
- 5 volts power supply system and power consumption of 500ma;

### Follow-Me Function:

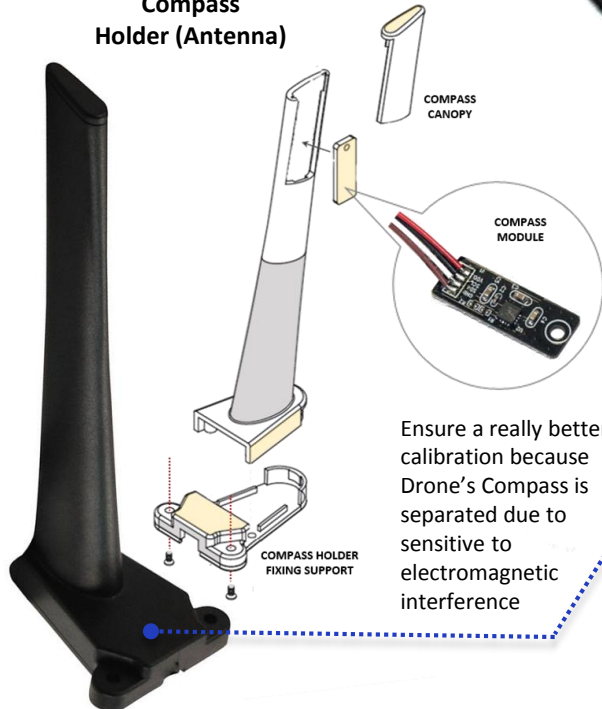
Thunder Tiger Ghost can tracks the Pilot position and autonomously follow the Pilot to everywhere without needs to control the Radio. The Smartphone sends GPS coordinates over WIFI to Ghost Flight control in the Drone. The Hero FC compares it's own GPS coordinates and navigates to the smartphones position.





# Thunder Tiger Ghost

## Compass Holder (Antenna)



Ensure a really better calibration because Drone's Compass is separated due to sensitive to electromagnetic interference

## ESC - Thunder Tiger Ghost

30A 450X OPTO ESC, NO BEC  
Working Current: 30 A  
Working Voltage: 6S Li-po

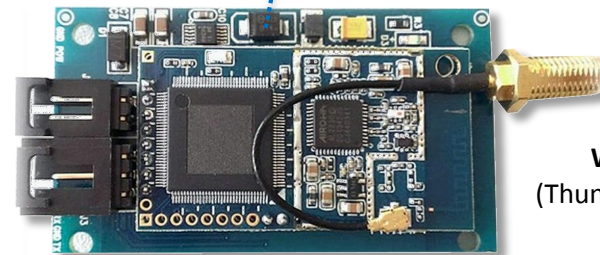


## Hero Flight Controller (TT Robotics)

**BASIC PERFORMANCE:** Multi Rotor Types supported – Quadrotor or Hexarotor; Supported ESC: output 4,00Hz refresh frequency PWM; Recommended Transmitter: PCM or 2.4GHz, 6 channels at least, Failsafe function available on all channels; Battery: 6S Li-po; Hardware Weight: MC 32g, GPS 37g, Wifi 39g; Hardware Size: MC - 7,05 cm x 4,1 cm x 2,5 cm | GPS – ø 5.5 cm x 1.1 cm | Wifi – 6.5 cm x 4.0 cm x 1.44 cm | LED – 1.7 cm x 1.7 cm x 0,55 cm.

**FLIGHT PERFORMANCE:** Hovering Position Accuracy (GPS mode) – Vertical ±1 meter, Horizontal ±2 meters; Max Level Speed: 10.2 m/s; Max Ascent or Descent Speed: 5 m/s; GCS Software: Map Google 3-D GIS; Windows XP sp3, Win7, Android 4.0.

**BUILT-IN FUNCTIONS:** Fail Safe, Auto Hover, Go Home, Auto Land, Auto Takeoff & Auto Landing; Low Voltage Alert; Realtime Flight status; Phone Attitude Control; Support Wifi module.



## Wifi Module (Thunder Tiger Ghost)

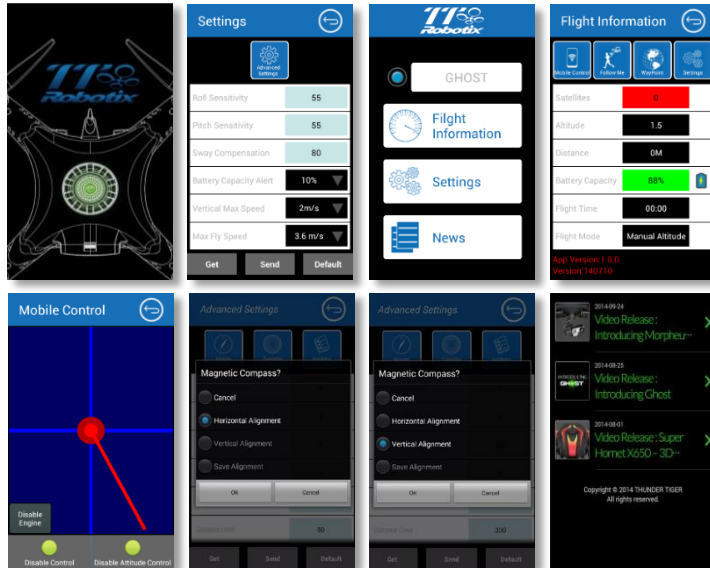
The Drone comes with a professional **WIFI module** which can connect with a module device. The TTRobotix APP provides to the Pilot a detailed overview of status such as location, battery capacity and GPS.



## Thunder Tiger Ghost: Mobile Device App (Android) & RC Transmitter (TTRobotix Commander)



Mobile Device



### WIFI COMMUNICATION:

The Thunder Tiger GHOST comes with a professional WIFI module, which can connect with your smart device. The TTRobotix APP provides to the Pilot detailed overview of status such as location, battery capacity, GPS and much more. The WIFI is built-in two communication modes (Router or PP modes). The user can choose the mode depending on his/her favorite method which can fly with no need router, greatly bring convenience to out-space flight.

### COMMANDER TRANSMITTER:

Equipped with 2.4GHz and 9 channels - sticks for throttle, aileron, elevator, and rudder; and switches for changing flight mode (manual, GPS, automatically landing), folding the landing skids, and changing Mode 1 / Mode 2.



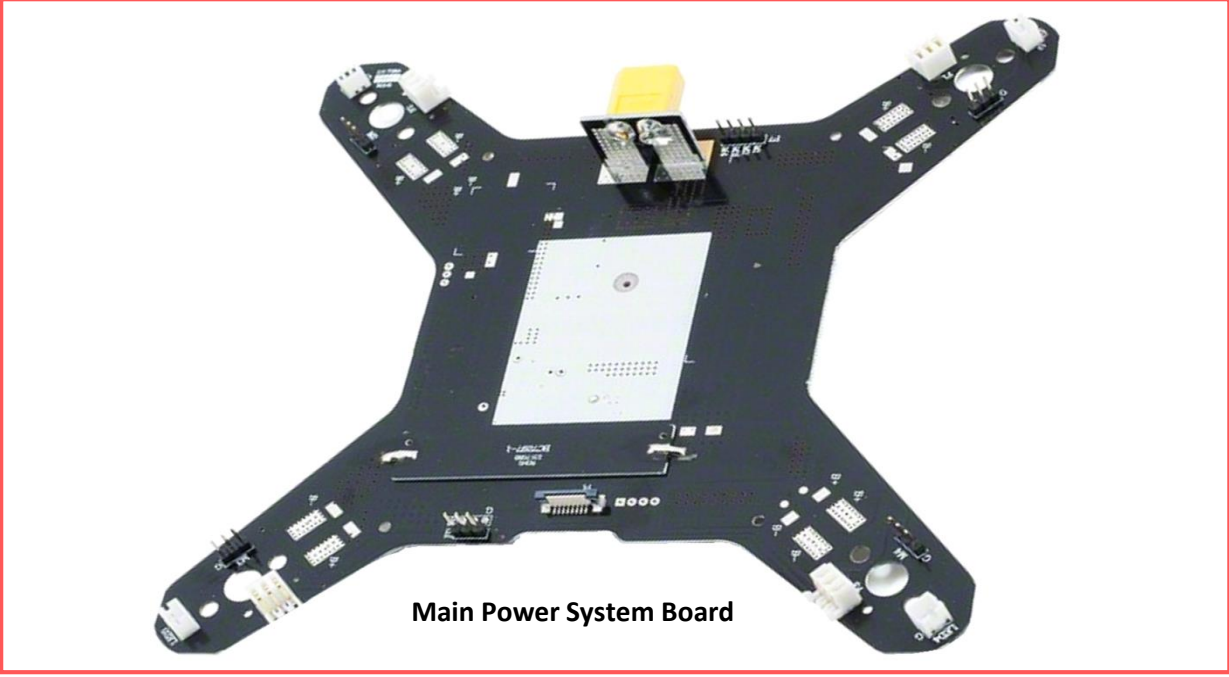


**Thunder Tiger Ghost**



**Smartphone Holder**

**Body Shell Set**



**Main Power System Board**

**Receiver 2.4 GHz  
(For Commander Transmitter)**



**Thunder Tiger Ghost**

**Bottom View  
(Belly)**



High-intensity Directional LED Lights

**Intelligent  
Power  
Display**

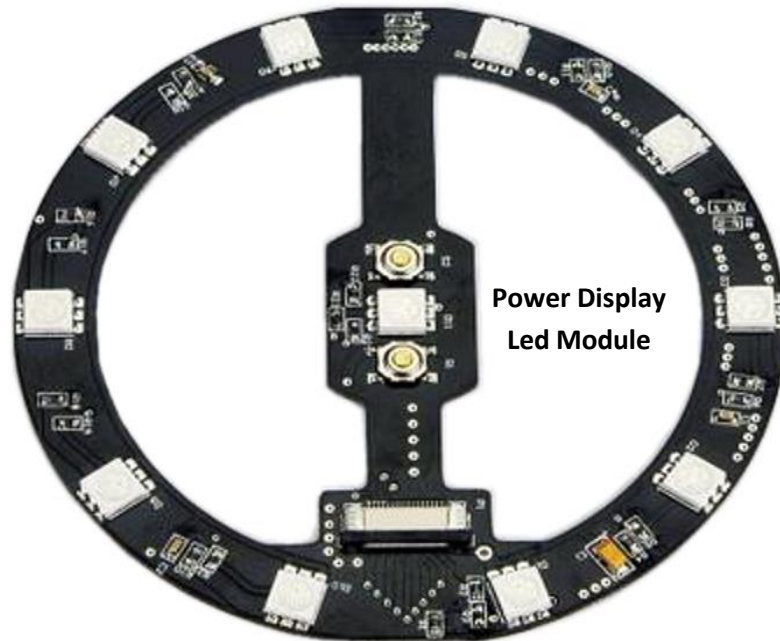


(Shows the battery  
life status)

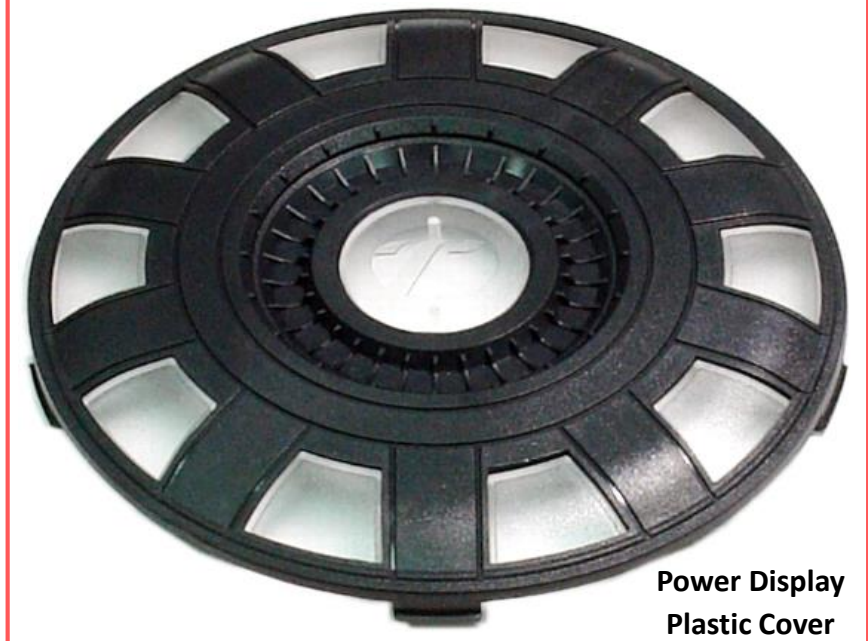
**Directional LED Lights  
Plastic Cover**



**Power Display  
Led Module**

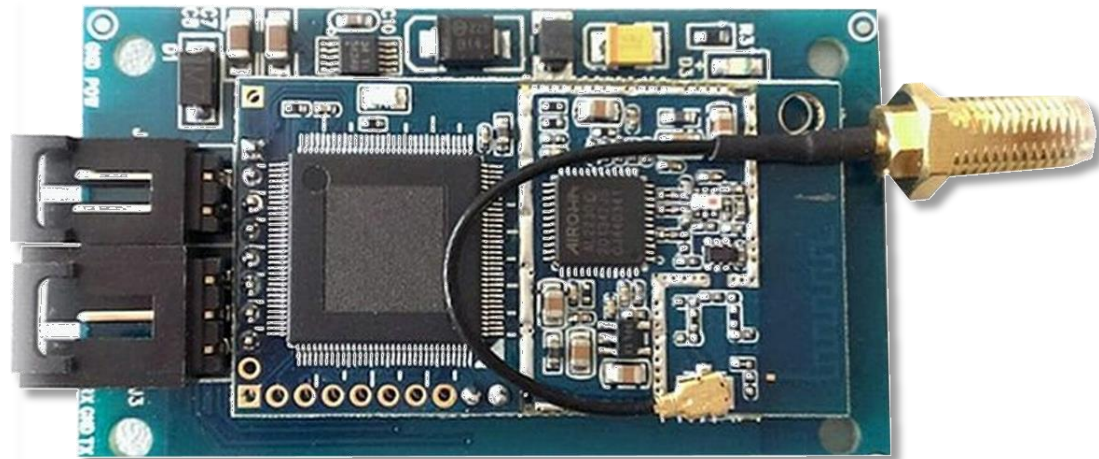


**Power Display  
Plastic Cover**

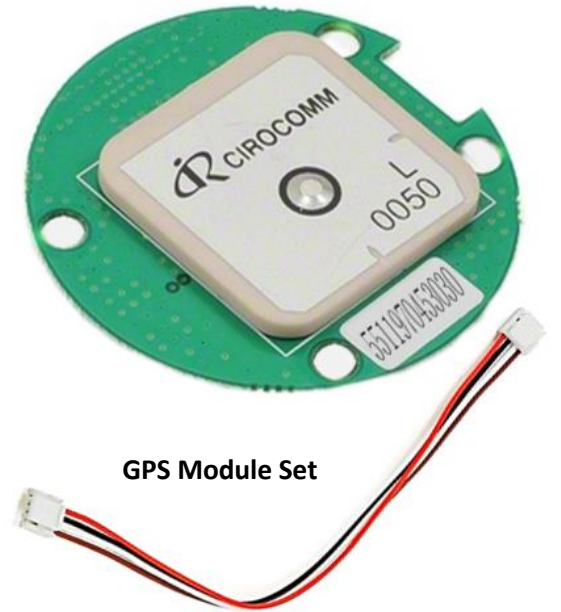




Wifi Module



Thunder Tiger Ghost



GPS Module Set



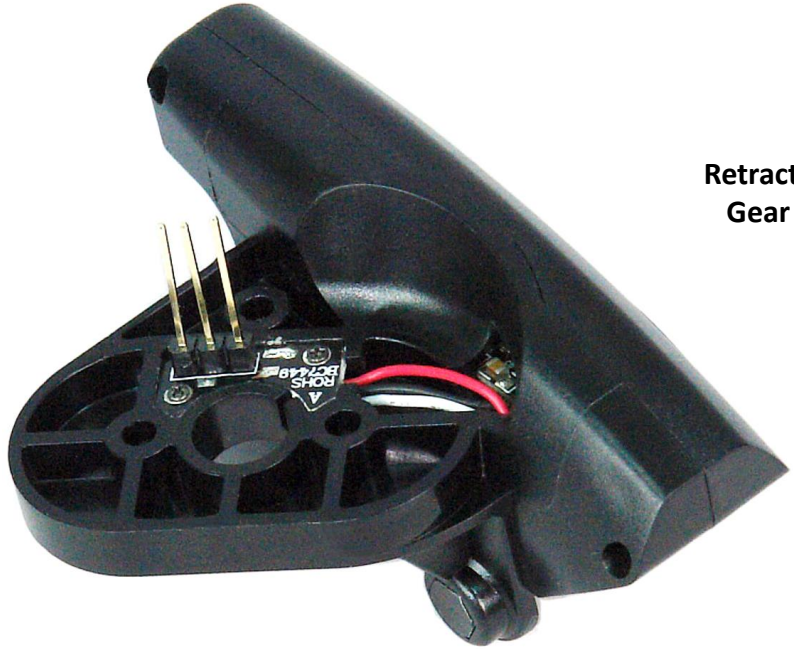
Propellers  
(Blades)



Motor ( KV 450 rpm/V)



Thunder Tiger Ghost



Retractable Skid  
Gear Box Set



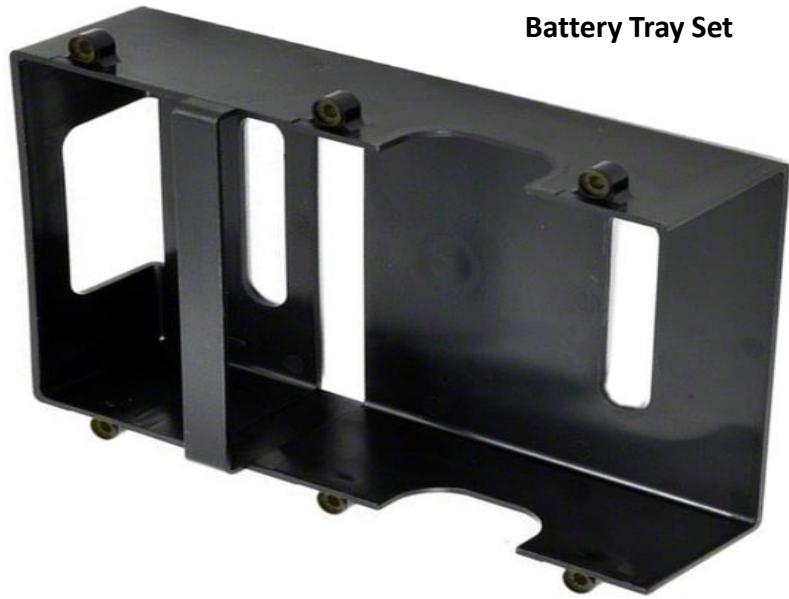
Hero Flight Controller  
(TT Robotics)

Battery Charger

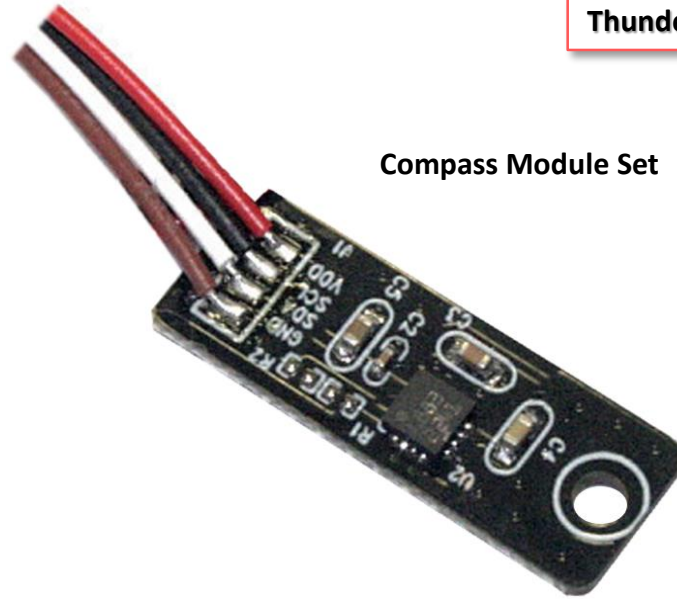


ESC - Thunder Tiger Ghost  
30A 450X OPTO ESC, NO BEC





Battery Tray Set



Compass Module Set

Thunder Tiger Ghost

Status Light Module Set

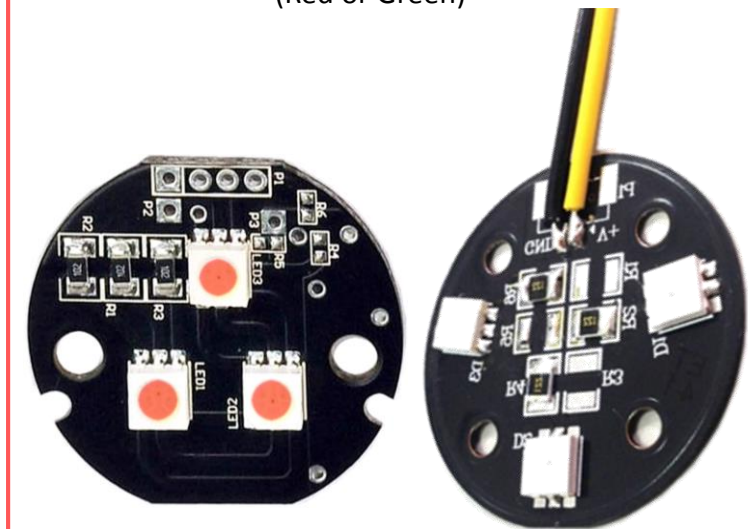


Landing Gear Set



Compass Holder

Direction Light Module  
(Red or Green)

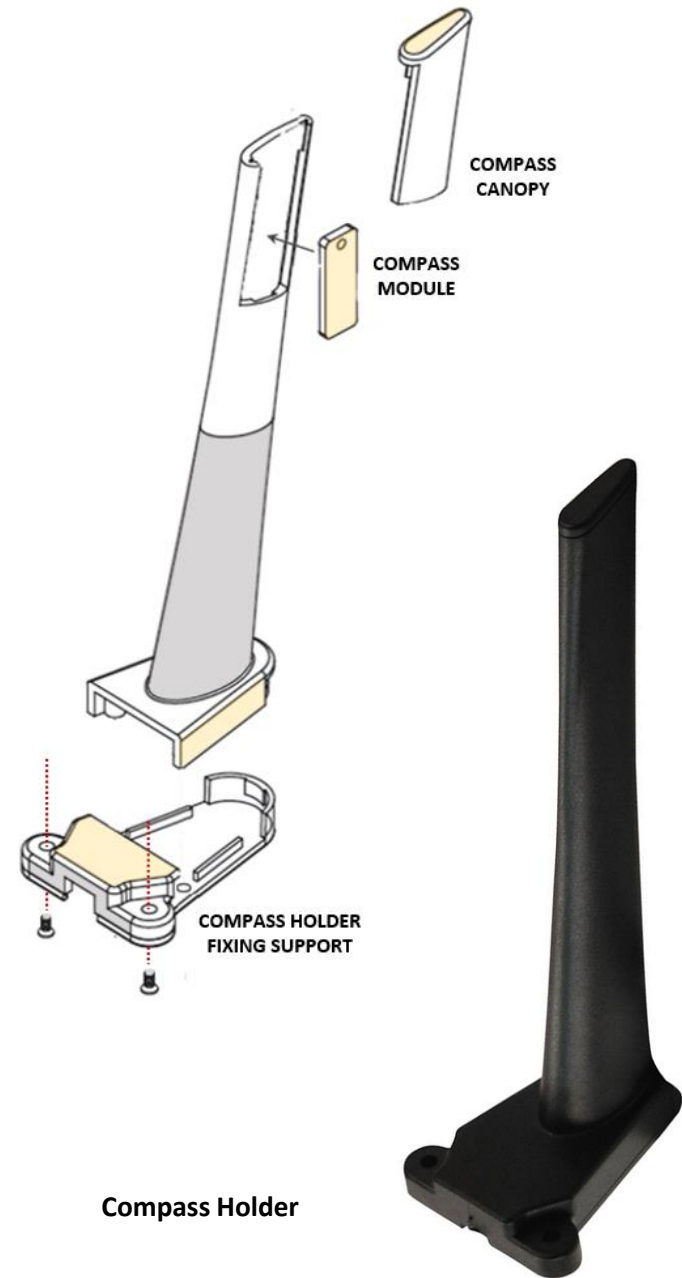


### Thunder Tiger FPV 5.8GHz

Transmitter, Receiver, LCD, Monitor Hood (OPTIONAL)



### FPV 7" Monitor Hood



### 6000 mAh, 22.2V Li-Po battery

(It fits into the Battery Box)



Smart Battery Box  
(It fits into the front of the  
Ghost Drone)