

GT 200

FPV RACING DRONE

Quick Start Guide

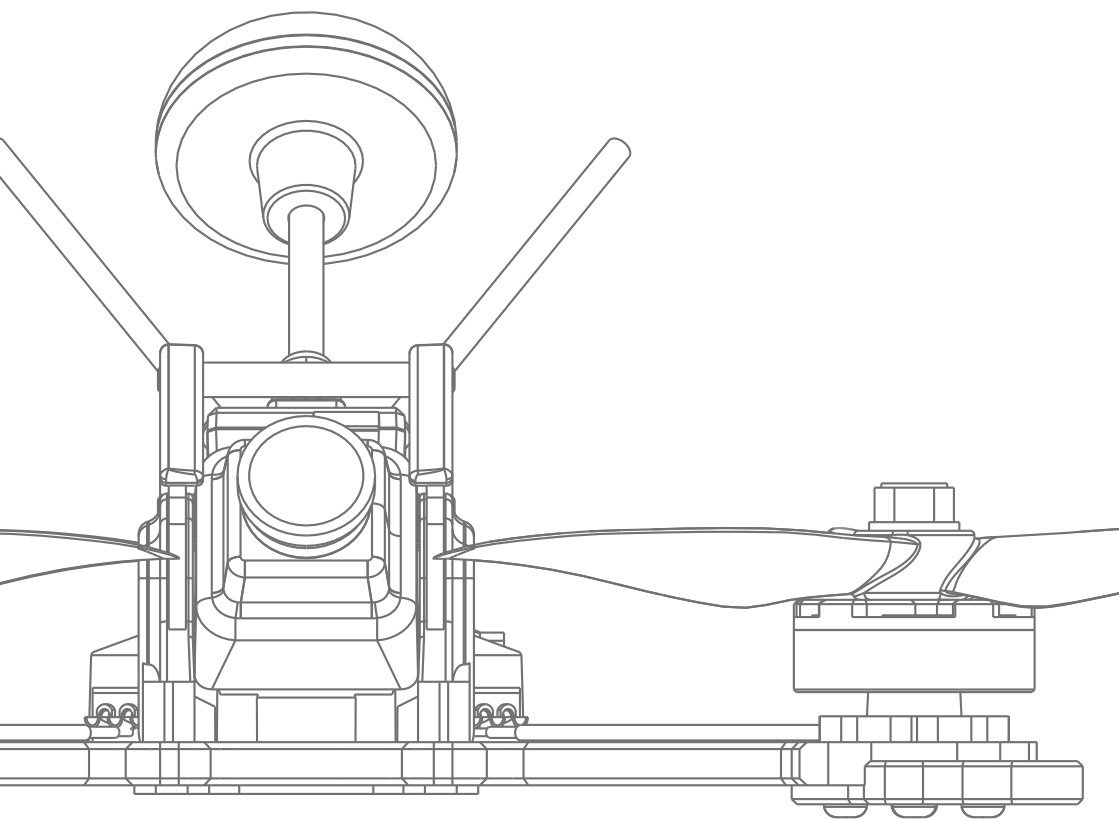


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Safety Precautions and Warnings

- Always keep a safe distance in all direction around your model to avoid collisions or injury. This model is controlled by a radio signal subject to interference can cause momentary loss of control.
- Always operate your model in open spaces away from full-size vehicles, traffic and people.
- Always carefully follow the directions and warnings for this and any optional support equipment (chargers, rechargeable battery packs, etc.).
- Always keep all chemicals, small parts and anything electrical out of the reach of children.
- Always avoid water exposure to all equipment not specifically designed and protected for this purpose. Moisture causes damage to electronics.
- Never place any portion of the model in your mouth as it could cause serious injury or even death.
- Never operate your model with low transmitter batteries.
- Always keep aircraft in sight and under control.
- Always move the throttle fully down at rotor strike.
- Always use fully charged batteries.
- Always keep transmitter powered on while aircraft is powered.
- Always remove batteries before disassembly.
- Always keep moving parts clean.
- Always keep parts dry.
- Always let parts cool after use before touching.
- Always remove batteries after use.
- Never operate aircraft with damaged wiring.
- Never touch moving parts.

Age Recommendation : Not for children under 14 years. This is not a toy.

Box Contents

- DTS GT200 Quadcopter
- 4 x 2206-2500Kv Brushless motor
- 30A BLS ESC with D-Shot 600
- Omnibus F4 SD Flight Controller with BetaFlight Version 3.2.4
- 25/200/600mW Adjustable Video Transmitter
- 800TVL NTSC/PAL 16:9/4:3 Switchable FPV Camera

Needed to Complete

- SBUS/DSM Compatible Transmitter and Receiver
- 4S 1500mAh 50C LiPo Battery
- LiPo Compatible Battery Charger
- FPV Headset or Ground Station Monitor

First Flight Preparation

1. Remove and inspect contents
2. Begin charging the flight battery
3. Install the receiver in the aircraft (Please refer **Page.4-5**)
4. Install the flight battery in the aircraft (Once it has been fully charged)
5. Bind your transmitter to your receiver (You may refer to your own transmitter manual)
6. Familiarize yourself with the controls
7. Find a suitable area for flying

Flying Checklist

- ☐ Always turn the transmitter on first
- ☐ Plug the flight battery into the lead from ESC
- ☐ Install the flight battery on the quadcopter frame and secure it with the strap.
- ☐ Allow the ESC to initialize and arm properly
- ☐ Fly the model
- ☐ Land the model
- ☐ Unplug the flight battery from the ESC
- ☐ Always turn the transmitter off last

Installing the Propellers

1. Refer to the **Page.9** for the proper motor rotation and propeller location.
2. The propellers have “CW” or “CCW” marked on one blade to show proper location and rotation. Match the propeller location to the **Page.9**.
3. Secure the propellers using the provided lock nuts.
DO NOT overtighten the nuts as damage to the propellers or motor may result.

Receiver Installation

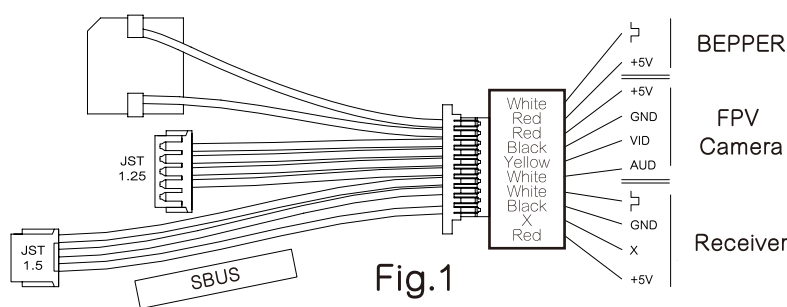


Fig.1

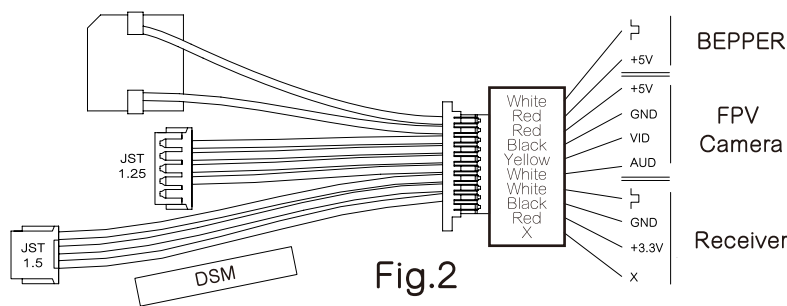


Fig.2

The Control box connector cable is shown as Fig.1. SBUS (5V) receiver connector cable comes pre-built from the factory. Optional DSM (3.3V) connector cable is shown as Fig.2 and included in box. Re-solder the cable to suit your particular receiver cable if the pre-built plug does not suit.

Use tape to secure the radio receiver to the frame and feed the antenna coax cable through the antenna tube as Fig.3

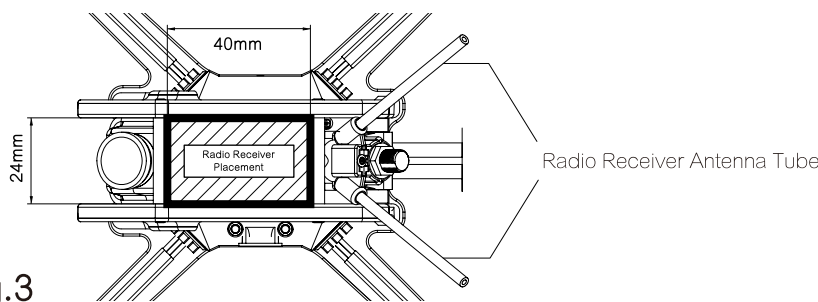
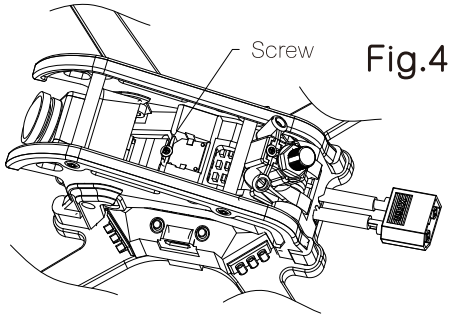


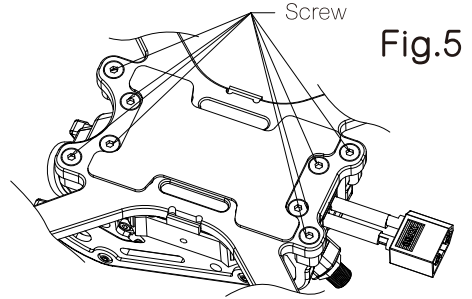
Fig.3

Step for changing the connector cable

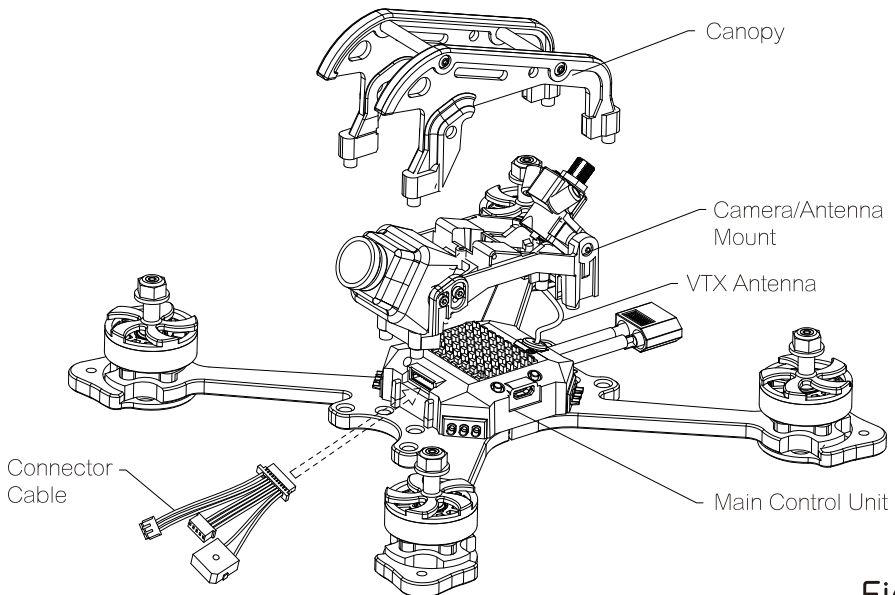
On the top of frame, remove a screw by Philips screwdriver as Fig.4.



At the bottom of frame, remove 8 hex screws as Fig.5.



Remove the Canopy as Fig.6 and remove the camera/antenna mount slightly, then change the connector cable. (Caution: Carefully remove the camera/antenna mount in order not to break the VTX antenna)



Main Control Unit

User guide of the Main Control Unit as Fig.7

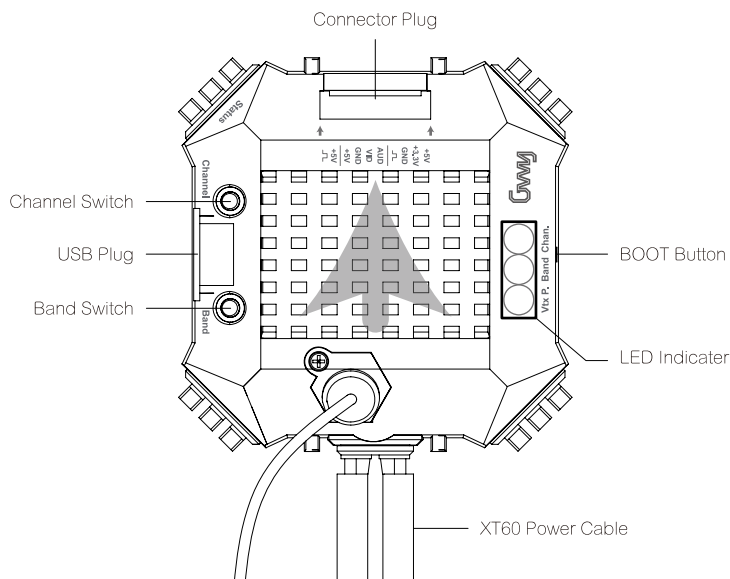


Fig.7

Connector Plug : For connecting the Main Control Unit to FPV Camera, Radio Receiver and Beeper

USB Plug : For Configuring the Flight Controller via USB cable

Channel Switch : Short press for changing VTX Channels (1,2,3,4,5,6,7,8)

Band Switch : Short press for changing VTX Bands (A,B,E,F,R,L)

Channel Switch + Band Switch (Pressing the 2 buttons together at the same time) :

For switching VTX power (25,200,600mW)

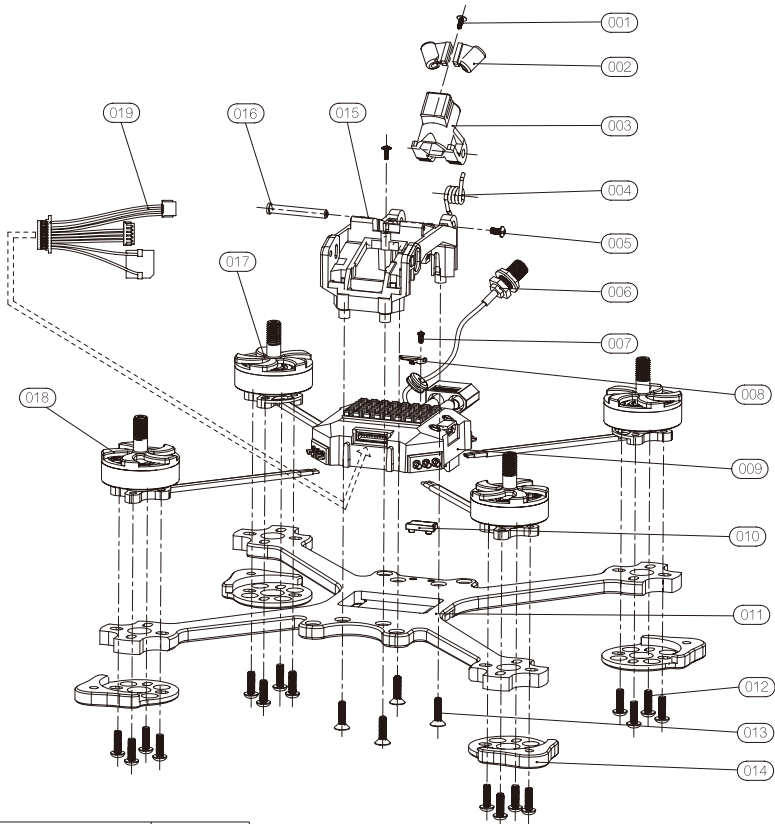
BOOT Button : For flashing Flight Controller firmware

LED Indicator : For indicating the current VTX Channel, Band and Power

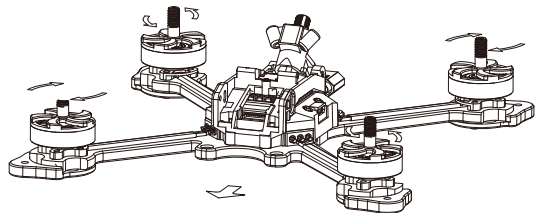
For example:

1. Band LED indicator flashes 5 times = Band **【R】**
2. Channel LED indicator flashes 1 time - Channel **【1】**
3. VTX Power LED indicator flashes 2 times = VTX Power **【200mW】**

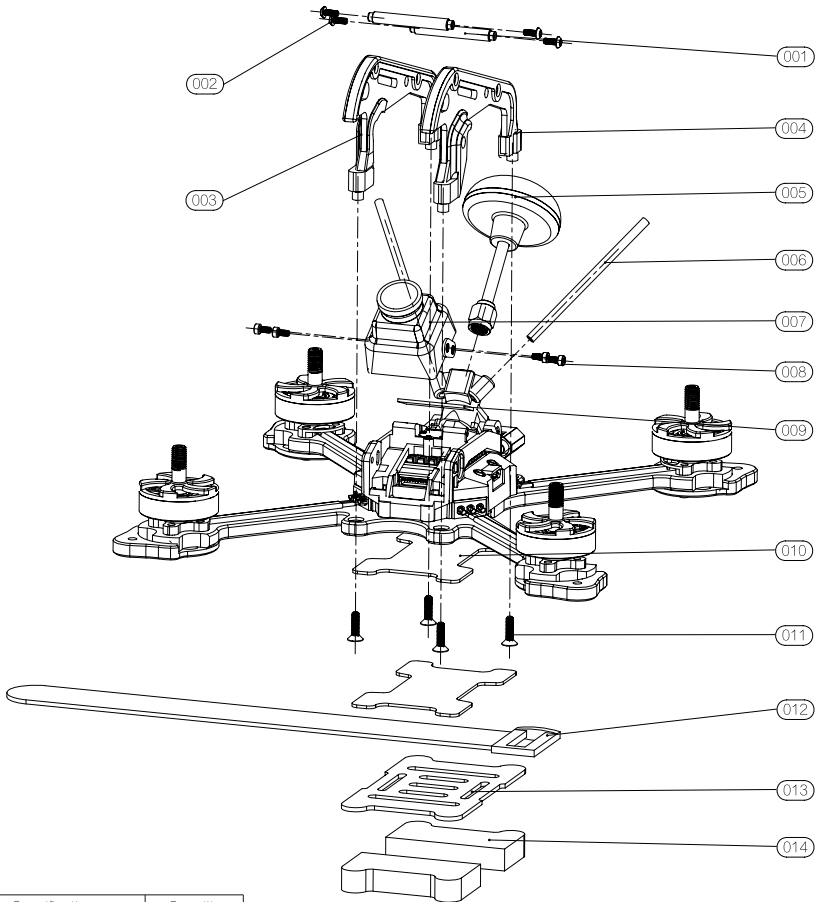
Quick Start Guide- Assembly Introduction



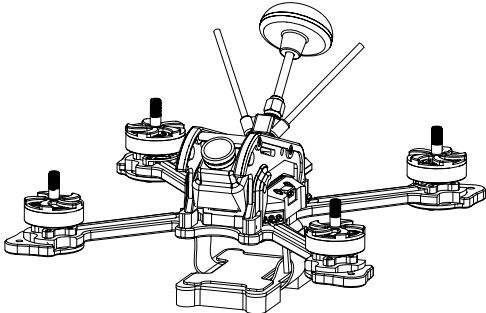
No.	Specification	Quantity
001	ST1.4x4 Screws	2
002	2.4G Antenna Mount	2
003	5.8G Antenna Mount	1
004	Spring	1
005	M2x4 Screws	1
006	5.8G Antenna	1
007	ST1.4x3.5	1
008	5.8G Antenna Cover	1
009	Main Control Box	1
010	Power Wire fixed mount	1
011	Main Frame	1
012	M3x10 Screws	16
013	ST2.6x10 Screws	4
014	Motor Guards	4
015	Fixed Mount	1
016	Spring Shaft	1
017	Brushless Motor (CCW)	2
018	Brushless Motor (CW)	2
019	Connector Cable (SBUS)	1



Step One Diagram

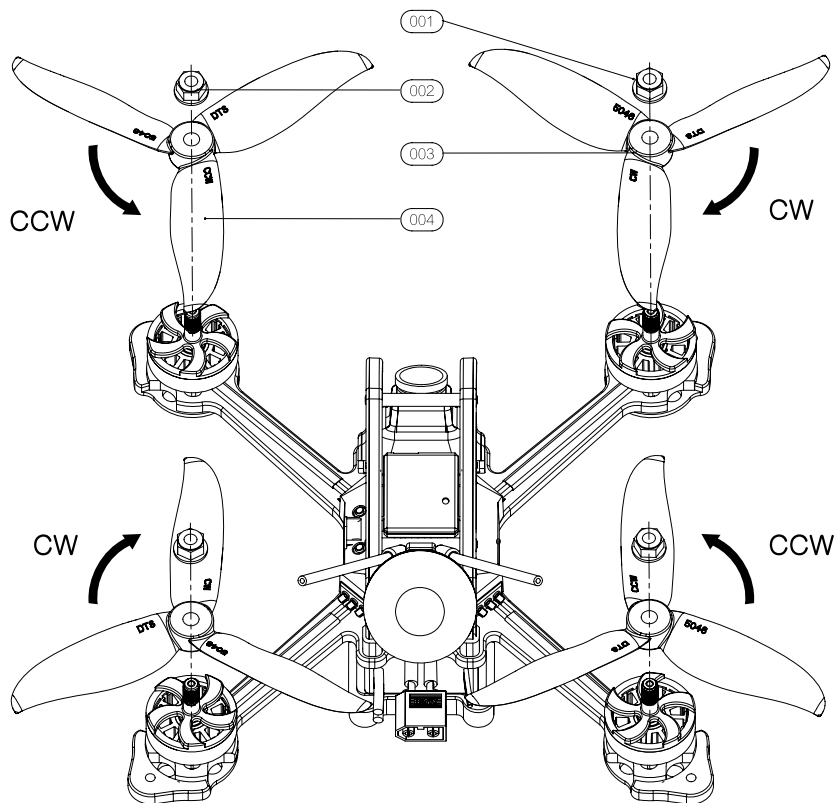


No.	Specification	Quantity
001	Connecting Column	2
002	M2x4 Screws	4
003	Right Frame (Carbon Fiber)	1
004	Left Frame (Carbon Fiber)	1
005	5.8G Antenna	1
006	2.4G Antenna Tube	2
007	FPV Camera	1
008	M2x4 Screws	4
009	Double Sided Tape for Receiver	1
010	Non Slip Pad	2
011	ST2.6x10 Screws	4
012	Battery Strap	1
013	Landing Plate	1
014	Landing Skid (EVA)	2

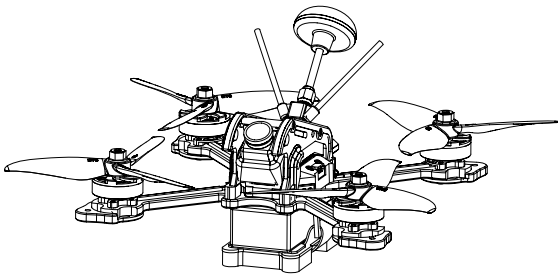


Step Two Diagram

Caution: The reversed motors direction are set as default setting from factory

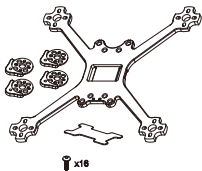

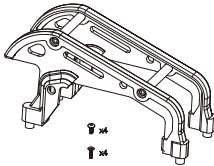
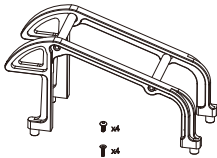
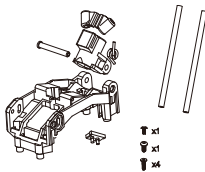

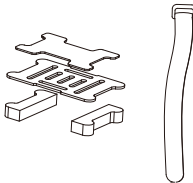
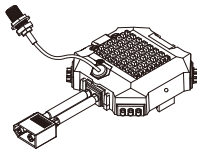
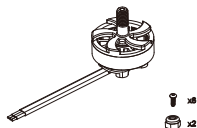
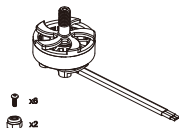
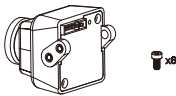
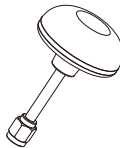
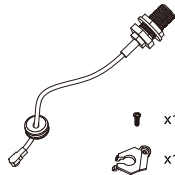

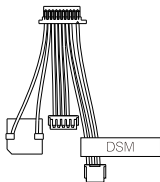
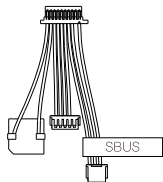


No.	Specification	Quantity
001	M5 Lock Nuts (CCW)	2
002	M5 Lock Nuts (CW)	2
003	Propeller (CW)	2
004	Propeller (CCW)	2



Step Three Diagram

Quick Start Guide- Spare Parts

 <p>DTS007724 Main Frame</p>	 <p>DTS007725 Motor Guards</p>	 <p>DTS007726 Canopy (Carbon Fiber)</p>	 <p>DTS007727 Canopy (Aluminum)</p>
 <p>DTS007728 Camera / Antenna Mount</p>	 <p>DTS007729 Propeller (CW/CCW)</p>	 <p>DTS007730 Landing Skid Set</p>	 <p>GWY007731 Main Control Unit</p>
 <p>DTS007732 Brushless Motor (CW)</p>	 <p>DTS007733 Brushless Motor (CCW)</p>	 <p>GWY007734 FPV Camera</p>	 <p>GWY007735 Circular Polarized Antenna</p>
 <p>GWY007736 5.8G VTX Antenna</p>	 <p>DTS007737 Screws Set</p>	 <p>DTS007738 Connector Cable (DSM)</p>	 <p>DTS007739 Connector Cable (SBUS)</p>



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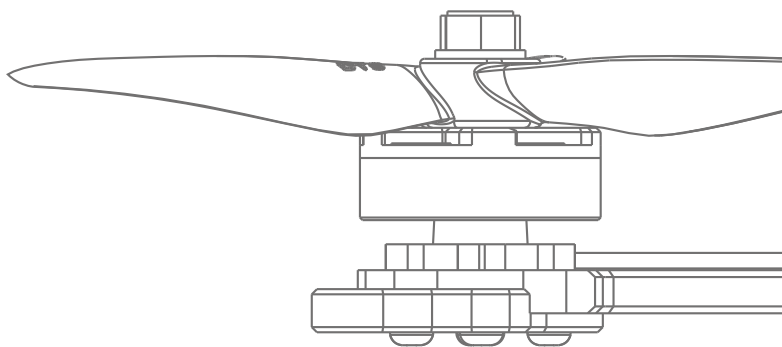


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For full version user manual
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DTS