Congratulations on your purchase of Align M480L multicopter! The M480L is a representation of the latest technology in rotary RC models. Please consult this manual carefully before assembling and flying the new M480L multicopter. We recommend that you keep this manual as a tuning and maintenance reference for future use.

APS-M / GPS not included
We appreciate your patronage of Align products. To ensure your success with this product, we would like to present the following information and important reminders.

Align Multicopter represents the latest innovation in multi-rotor aircraft design. Amongst its design features:
Innovative, streamlined splash resistant shape at the pinnacle of power and beauty, industrial and structural design. Encompass stability control system, features light weight, strong payload, and long flight time. Superior in both high speed agility and static stability, this multi-purposed professional multicopter exceeds in all areas such as aerial photography or as leisurely sports flyer; yet its light weight allows for easy transport anywhere.

In order for you to thoroughly enjoy the Multicopter experience, please read through this manual prior to assembly and setting up the M480L Multicopter. Please keep this manual handy for future reference.

前言

承蒙閣下選用亞拓遙控世界系列產品，謹表謝意。進入遙控世界之前必須告訴您許多相關的知識與注意事項，以確保您能夠在學習的過程中較得心應手。

亞拓多軸飛行機的設計特點為：
前衛流線防潑水造型，極盡刀鋒之聲，工業與結構設計，搭配穩定控制系統，輕量載重力強，飛行時間長特點，其動靜皆宜的高速運動飛行與穩定特性，兼顧航拍、娛樂、休閒、攜帶輕便多用途專業多軸飛行機。

為了讓您容易方便使用，在開始操作之前，請您詳細的閱讀完這本說明書之後再進行安裝與設定，同時請您妥善保存這本說明書，作為後期調整的參考。

QR CODE LINKS TO INSTRUCTIONAL VIDEOS
QR CODE教學影片

While this manual provides instructional information and references for this product, Align also produced instructional videos covering various topics pertaining to this model. The videos are available at the following link:
http://www.align.com.tw/m480lvid/

網頁瀏覽http://www.align.com.tw/m480lvid/

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- Assembly Tutorial
- PC Interface Program Download Tutorial
- Configuration Tutorial
- Operation Tutorial
IMPORTANT NOTES

Radio Control (R/C) multicopters are not toys. R/C multicopters utilize various high-tech components to achieve superior performance. Improper use of this product can result in serious injury or even death. Please read this manual carefully before operating, and make sure to be conscious of your own personal safety and the safety of others nearby when operating all ALIGN products. Manufacturer and seller assume no liability for the operation or the use of this product. This product is intended for use only by adults with experience flying remote control aircraft at legal flying fields. After the sale of this product we cannot be held liable over its operation or usage.

We recommend that you seek the assistance of an experienced pilot before attempting to fly our products for the first time. A local expert is the best way to properly assemble, setup, and fly your model for the first time. This product requires a certain degree of skill to operate, and is an expendable item. Any damage or dissatisfaction as a result of accidents or modifications are not covered by any warranty and cannot be returned for repair or replacement. Please contact our distributors for free technical consultation and parts at discounted rates when you experience problems during operation or maintenance. As Align Corporation Limited has no control over the use, setup, assembly, modification or misuse, no liability shall be assumed nor accepted for any resulting damage or injury. By the act of use, setup or assembly, the user accepts all resulting liability.

In addition, R/C multicopters and its components are precision electronics susceptible to interferences from external forces such as magnetic field and radio signal. Should the multicopter or any onboard photographic equipment suffers loss or crash damage as result of external magnetic or radio interferences, Align cannot be held liable as the cause is beyond our control.

As the user of this product, you are solely responsible for operating in a manner that does not endanger yourself or others or result in damage to the property of others.

重要聲明

遙控飛行機包括遙控直升機與多軸飛行機（以下簡稱遙控飛行機）並非玩具，它是結合了許多高科技產品所設計出來的休閒用品，所以商品的使用不當或不熟悉都可能會造成嚴重傷害甚至死亡，使用之前請務必詳讀本說明書，勿輕忽注意自身安全。注意！任何遙控飛行機的使用，製造商和經銷商是無法對使用者於零件使用中損耗異常或組裝不良所發生之意外負任何責任，本產品是提供給有操作過遙控飛行機經驗的成人或有相關技術的人員在旁指導，並於當地合法遙控飛行場飛行，以確保安全無虞下操作使用。產品售出後本公司將不負任何安全操作和使用控制上的任何性能與安全責任。

遙控飛行機屬於需高操作技術且為消耗性之商品，如經拆裝使用後，會造成不等情況零件損耗，任何使用情況所造成商品不良或不滿意，將無法於保固條件內更換新品或退貨，如遇有使用此產品維修問題，本公司全省分公司或代理商將提供技術指導、特價零件供應服務。對使用者的不當使用、設定、組裝、修改、或操作不良所造成的破損或傷害，本公司無法控制及負責任。遙控飛行機與配件之精密電子產品，易受外力、磁場、訊號干擾，在使用過程中如外力、磁場、訊號干擾，導致飛行機本身及其所裝載之攝影設備、器材之損壞或減損，本公司亦無法控制及負責。

做為本產品的使用者，您，是唯一對於您自己操作的環境及行為負全部的責任之人。
SAFETY NOTES

安全注意事項

- Fly only in safe areas, away from other people. Do not operate R/C aircraft indoors or within the vicinity of homes or crowds of people. R/C aircraft are prone to accidents, failures, and crashes due to a variety of reasons including: lack of maintenance, pilot error, and radio interference. Pilots are responsible for their actions and damage or injury occurring during the operation or as a result of R/C aircraft models.

- Prior to every flight, carefully check all parts such as blades, screws, frame, arms, etc; ensure they are firmly secured and show no unusual wears, or unforeseen danger may happen.

- 遠離飛行機高速度飛行時需遠離障礙物及人群，避免在住宅區或人羣密集地點操作，操作不慎可能會導致事故或損傷。飛行員需注意飛行安全，確保無損傷。

- 每次飛行前需仔細檢查機身各部位之零件/電子設備之性能是否正常，並檢查螺絲鎖緊，才能安全飛行。必要時應進行定期檢測，避免電子元件損壞。

WARNING LABEL LEGEND

標誌代表涵義

- **FORBIDDEN 禁止**
  **Do not attempt under any circumstances.**
  在任何情況下，請勿嘗試操作。

- **WARNING 警告**
  **Mishandling due to failure to follow these instructions may result in serious damage or injury.**
  因為疏忽這些操作說明，而使用錯誤可能造成財產損失或嚴重傷害。

- **CAUTION 注意**
  **Mishandling due to failure to follow these instructions may result in danger.**
  因為疏忽這些操作說明，而使用錯誤可能造成危機。

LOCATE AN APPROPRIATE LOCATION

遠離障礙物及人群

R/C aircraft can fly at high speed, thus posing a certain degree of potential danger. Choose a legal flying field consisting of flat, smooth ground without obstacles. Do not fly near buildings, high voltage cables, or trees to ensure the safety of yourself, others, and your model. Avoid location with magnetic and radio interferences. Please choose a legal flying field. Do not fly your model in inclement weather, such as rain, wind, snow or darkness.

遙控飛行機飛行時具有一定的速度，相對的也潛在著危險性，場地的選擇也相對的重要，請需遵守當地法規，合法遙控飛行場地飛行。必須注意周遭是否有其他人、高樓、建築物、高壓電線、樹木等等，避免磁場干擾、外力點擊干擾及操控的不當造成自己與他人財產的損壞。請務必選擇在空曠合法專屬飛行場地，請勿在下雨、打雷、沙塵等惡劣天候下操作，以確保自身及機體的安全。
NOTE ON LITHIUM POLYMERIC BATTERIES

Lithium Polymer batteries are significantly more volatile than alkaline or Ni-Cd/Ni-MH batteries commonly used in RC applications. All manufacturer's instructions and warnings must be followed closely. Mishandling of Li-Po batteries can result in fire. Always follow the manufacturer's instructions when disposing of Lithium Polymer batteries.

PREVENT MOISTURE

R/C aircraft are composed of many precision electrical components. It is critical to keep the model and associated equipment away from moisture and other contaminants. The introduction or exposure to water or moisture in any form can cause the model to malfunction resulting in loss of use, or a crash. Do not operate or expose to rain or moisture.

PROPER OPERATION

Do not attempt to modify the aircraft to alter its intended design. Please use only designated replacement parts listed in the manual to ensure its design structure integrity. Operate this product within its intended design parameters; do not overload it with excess cargo. This product is limited to personal hobby use, and pilot should be proficient with operation of this model. Follow all local law and ordinances when operating. Do not use this product for purposes which may violate others’ personal privacy, and respect other’s intellectual properties. Do not use this product for illegal purposes or beyond the bounds of common safety.

DO NOT FLY ALONE

Before turning on your model and transmitter, check to make sure no one else is operating on the same frequency. Frequency interference can cause your model, or other models to crash. The guidance provided by an experienced pilot will be invaluable for the assembly, tuning, trimming, and actual first flight or unforeseen danger may happen. (Recommend you to practice with experienced pilots or with computer-based flight simulator firstly.)
SAFE OPERATION

Operate this unit within your ability. Do not fly while feeling impaired, as improper operation may result in danger. Never take your eyes off the model or leave it unattended while it is turned on. Immediately turn off the model and transmitter when you have landed the model.

CAUTION

ALWAYS BE AWARE OF THE ROTATING BLADES

During the operation of the multicopter, the rotor will be spinning at a high rate of speed. The blades are capable of inflicting serious bodily injury and damage to surrounding properties. Be conscious of your actions, and careful to keep your face, eyes, hands, and loose clothing away from the blades. Always fly the model a safe distance from yourself and others, as well as surrounding objects.

CAUTION

KEEP AWAY FROM HEAT

R/C aircraft are made of various forms of plastics, such as carbon fiber and polyethylene. Plastics are very susceptible to damage or deformation from extreme heat and cold climate. Make sure not to store the model near any source of heat such as oven or heater. It is best to store the model indoors, in a climate-controlled, room temperature environment.

WARNING

注意

安全操作

請於自己能力及需要一定技術範圍內操作這台遙控飛行機，過於疲勞、精神不佳或不當操作，意外發生風險將可能會提高。不可在視線範圍外飛行，降落後也請馬上關掉遙控飛行機和遙控器電源。

CAUTION

遠離運轉中零件

遙控飛行機主旋翼/螺旋槳運轉時會以高轉速下進行，在高轉速下的主旋翼/螺旋槳會造成自己與他人在身體上或環境上的嚴重損傷，請勿觸摸運轉中的主旋翼/螺旋槳，並保持安全距離以避免造成危險及損壞。

CAUTION

遠離熱源

遙控模型多半是以碳纖維、PA 纖維或聚乙烯、電子商品為主要材質，因此要盡量遠離熱源、日曬，以避免因高溫而變形甚至熔毀損壞的可能。

FIRE
1. **RADIO TRANSMITTER AND ELECTRONIC EQUIPMENT REQUIRED**

   - R/C Transmitter (8-channel or more, aircraft / multicopter system)
   - Receiver (8 channel or more)
   - Satellites Receiver
   - External Status LED
   - APS-M Multicopter Control Unit
   - APS-M Multicopter GPS Sensor

   Suitable RC transmitter for multicopter use must have at least 8 channels, with two 2-position switches and two 3-position switches. Suitable RC transmitter for multicopter and gimbal use must have at least 10 channels, with two 2-position switches, two 3-position switches, and two slider controls.

2. **OPTIONAL EQUIPMENT**

   - 5,000~12,000mAh Li-polymer Battery 6S 8S鋰電池
   - Bluetooth Device
   - 7 Inch Carbon Main Rotor x6 sets
   - 7吋碳纖主旋翼組 x6 sets

   **AERIAL PHOTOGRAPHY EQUIPMENT**

   - G3 3 Axis Gimbal
   - G3-GH [RGG301X]
   - G3-5D [RGG302X]
   - OSD+FPV Video Transmitter
   - FPV Monitor
   - [HER801]
   - [HED0001]
   - [HEM0001]
**STANDARD EQUIPMENT**

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- M480L Multicopter
- M480L 四軸飛行機

- RCM-BL4213(370KV) Brushless Motor x4
- RCM-BL4213(370KV) 無刷馬達 x4

- Multicopter Brushless ESC x4
- 多軸無刷調速器 x4

- PCU Power Control Unit
- PCU 電源控制組
3K carbon fiber is used throughout multicopter frame, arms, and retracts.
多軸機全機機體、軸管、腳架管均採用3K碳纖材質。
1 LANDING GEAR ASSEMBLY
腳架組裝

Remove landing gear assembly from box, loosen the 4 M2.5x16mm Socket Collar Screw from M2.5 nuts. Install the 12mm carbon landing gear into the T mount and re-tighten the screws.
取出腳架組，先鬆開腳架T座上的圓頭內六角鈞套螺絲M2.5x16mm，M2.5防鬆螺帽，將12mm碳纖管鎖入腳架T座。

Please adjust the position of landing gear to accommodate the CG location of aircraft.
請依機身重心調整碳纖管鎖附位置的前後長度。

Retractable Landing Gear Installation Orientation
腳架安裝方向示意圖

Front 機頭方向
約140mm 約130mm
2 MAIN FRAME ASSEMBLY

1 REMOVE CANOPY

Remove main frame assembly from box. Temporarily remove canopy from frame.

1. Firstly, pull on two latching sides outwards.
2. Then gently remove the canopy upward from frame.

取出機身組，先將機殼卸下。

1. 先扳開機殼側邊。
2. 再往上提起機殼。

CAUTION

Use suitable force when removing canopy. Gently pull on two latching sides outwards to remove from frame.

機殼拆卸時請使用適當力道，將機殼兩側卡槽向外側輕輕拔開取出機身，以免造成機殼破裂損壞。

2 GIMBAL MOUNT CARBON TUBE INSTALLATION

Install the gimbal mount carbon tube onto the tube mount.

將雲台碳纖維管裝於機身組上的雲台管座。

The high rigidity carbon fiber used on airframe are electrically conductive. Care should be taken not to expose any bare wires to the frame to reduce the chance of electrical shorts.

产品機架多半使用高強度碳纖維材料製作，其有高導電率特性，請注意避免電流碰觸。

Gimbal Mount Carbon Tube

Socket Screw

M2 5x6mm

70mm
3 LANDING GEAR ASSEMBLY
脚架組裝
Retracts can be mounted in either front or rear 4 bolts pattern based on CG. Rear is recommended for this aircraft.
M480L可依配重調整腳架組固定位置，請安裝於機身後側。

![Retract Mounting Location](image)

Retracts are prone to dust contamination during use. Periodically clean with pressurized air, and apply lubrication to ensure smooth retract operation.
灰塵容易造成起落架面積髒污，請定期使用噴霧劑清潔後，添加潤滑劑，確保收腳動作順暢。

4 REMOVE TOP CARBON PLATE
拆開機身上碳纖板
Temporarily remove all the twist-off screws and socket screws, and remove the upper carbon plate from the frame.
鬆開內六角螺絲和旋鈕螺絲，將機身組的上碳纖板拆開。

![Twist-off Screws](image)

Socket Screw
螺頭內六角螺絲 M2.5x6mm

Socket Screw
螺頭內六角螺絲 M2.5x6mm

Socket Screw
螺頭內六角螺絲 M2.5x6mm

APS-M Multicopter
Control Unit
APS-M多軸飛控系統
Optional Equipment
選購品
PCU POWER CONTROL UNIT WIRING DIAGRAM

**WARNING**
Any incorrect wiring or errors in electrode connection will cause electronic burn out.
訊號線錯誤或接線錯誤將造成電子設備損毀。

**WARNING**
Make sure to install the wires with "UP" imprint facing up, and ensure the plug is inserted deep enough. Improper plug insertion may lead to poor connection or even malfunction of the APS-M unit.
插線時，務必將刻有UP字樣端口朝上，對準插座後，確實將插接完全插入到底，若無確實插入定位，將導致接觸不良、APS-M不動作問題產生！

**RETRACT WIRES AND EXTERNAL STATUS LED CONNECTION**

多軸起落架與外掛用模式燈接線

Route the retract wires up through opening in lower carbon plate. Route the external status LED down through opening in lower carbon plate. Using double sided tape, mount the external status LED module to the retract facing rear of frame. Insert all 3 plugs into the PCU according to PCU wiring diagram (labeled as ① ② ③).
將多軸起落架上的訊號線，向上穿過下碳纖板孔洞，外掛用模式燈，由上往下穿過下碳纖板孔洞，沿腳架內側，黏貼於多軸起落架上（朝機尾方向）。再依PU電源管理系統面板指示位置依序將① ② ③插入接線。
1 MOTOR ROTATION DIRECTION

**CAUTION 注意**
Identify the direction identifier on each motor mounts: R (clockwise) rotation motor must match R rotation blades; L (counter-clockwise) rotation motor must match L rotation blades.

組裝前請確定馬達固定座上所標示的正、逆轉方向符號；R向馬達組必須搭配R向主旋翼；L向馬達組必須搭配L向主旋翼。

---

2 MOTOR ARM ASSEMBLY LENGTH

**CAUTION 注意**
Incorrect sequence of motor tube assembly or changes made to rotational directions of motor / blades may cause immediate flip-over on takeoff, and result in unforeseen dangerous situation.

馬達軸管順序組裝錯誤或自行更改馬達、主旋翼R/L轉向，將會造成機體升空後翻滾、撞毀，嚴重的將導致不可預期的意外發生。
3 MOTOR ARM ASSEMBLY INSTALLATION

Temporarily remove the socket hex screws M3x6mm from motor arm assembly. Based on the motor direction identifier label, attach the motor tube assemblies to the correct positions on the frame.

取出軸管組時，先將圓頭內六角螺絲M3x6mm鬆開，依照馬達固定座上所標示的正、逆轉方向符號，將軸管組鎖上，固定於機身下碳纖板的正確位置。

Double check the sequence and blades R/L rotation direction during motor tube assembly, ensure the install matches exactly with the instruction manual. Incorrect assembly or modifications may cause unexpected result or bodily injuries.

組裝馬達軸管時，務必再次檢查及確認，馬達組編號順序及主旋翼R/L轉向是否與說明書標示一致，錯誤或任意變動機體，將會導致不可預期嚴重的意外或人員傷害。

Insert a small screw driver into threaded sleeve to fix it in place while tightening the hex screws back.

可利用螺絲起子來固定鉛柱，將圓頭內六角螺絲鎖回。

Use suitable force to tighten the M3 Socket Collar Screw and M2.5x6mm socket screws when adjusting the main rotor tightness and fixing main rotor upper cover to avoid motor winding failure.

調整主旋翼緊度及固定主旋翼上蓋時，請以適當力道鎖緊M3軸套螺絲和M2.5x6mm圓頭內六角螺絲，避免鎖過緊造成馬達線圈損壞。

MOTOR ARM ASSEMBLY MOUNTING LOCATION

馬達軸管組裝孔位

COMPLETED MOTOR ARM ASSEMBLY INSTALL

馬達軸管組裝完成示意图
There are 3 wires coming out of the motor arm assembly: red (+), black(-), and signal(APS-M). Connect the red(+) wire to positive power distribution cylinder, black(-) wire to negative power distribution cylinder. The signal wire will be connected to APS-M later.

Each motor arm has three wires, connector to red: power source, black: ground, APS-M: signal. First, connect the red wire to the positive power distribution cylinder. Then, connect the black wire to the ground. Finally, connect the signal wire to APS-M.

Recommended plug location shown for ease of maintenance. 建议马达正负极插头位置，方便维护。

Black signal wire to be attached to APS-M later. 黑色信号线留作后接线使用。

CAUTION 注意

Avoid pulling wires with excess force during wire management. Pulling the wires too hard may cause them to detach from ESC, resulting in problems with motor startup and navigation lights. 整线时请勿过度拉扯，以免ESC信号线脱落，造成马达启动及飞行指示灯异常。

Wire straps can be used to fix the wires to the frame. 可利用束带固定电线。
5 INSTALLATION OF TOP CARBON PLATE

Route the black signal wires from motor tubes through upper carbon plate. Re-install the upper carbon plate using the M2.5x6mm screws removed from earlier step. Then install the M3x6mm socket screw removed earlier from motor arm assembly.

Prior to re-assembly, ensure upper carbon plate can lay flat onto the frame, and that all wires are neatly tucked underneath without any pinching.

6 SECURING THE MOTOR ARM ASSEMBLIES

Reattach the 4 twist-off screws from earlier.
7 PCU UPGRADE CABLE WIRING DIAGRAM

PCU升級更新接線示意圖

Connect the PC to PCU's APS-M port with USB adapter to perform firmware updates through PC interface program.

使用轉接線將USB插頭接到電腦端，另一端接PCU的APS-M孔位，透過電腦介面做升級更新。

8 CANOPY INSTALLATION

機殼組裝

Re-attach canopy to complete installation.

將機殼裝於機身即完成組裝。

Ensure canopy is latched to the lower carbon frame plate to prevent accidental separation during flight.

機殼裝上機身時，請務必確認機殼完全卡住機身下碳纖板，避免飛行時脫落，而導致不可預期的意外。

Canopy must be installed to avoid turbulence disturbance and ensure optimal flight performance.

飛行時必須蓋上機殼，以確保飛行機不受氣流干擾達到最佳的飛行效能。

4 BATTERY INSTALLATION ILLUSTRATION

電池安裝示意圖

Double-decker battery plate design for a single 6S 22.2V 16,000mAh (or less) battery (physical dimension permitting), or two batteries with 8,000mAh or less capacity. Battery selection is flexible, and can be used to adjust the CG location of aircraft. Battery plate feature patented anti-spark design, effectively minimize sparks during connection of battery, lowering problems such as damages to electronics and poor connection due to premature connector wear.

雙層設計的電池板，可選用單層電池使用，一顆6S 22.2V 16,000mAh以內；或是使用雙層電池板同時安裝兩顆8,000mAh容量以內電池，電池可彈性選擇使用與調整機體重心。電池板內搭載新型“防火花”專利設計，能有效防止電池快拆插入時所產生的火花，降低電子設備傷害及接頭耗損接觸不良問題。
1. FIXED BATTERY WIRING METHOD

Loosen battery plate terminal cover, solder the wires to the corresponding + - terminal, and re-install the battery plate terminal cover.

先鬆開電池板固定蓋，將電池電源線依+ - 指示焊接於接頭上再鎖回。

2. PLUG TO BATTERY WIRING METHOD

3. BATTERY INSTALL EXAMPLE FOR M480L

M480L with gimbal is suggested to fly using a single 5,200mAh (or more) battery, or two batteries with 5,200mAh to match perfect CG balance and reach longer flight time.

M480L型號建議使用單顆5,200mAh以上的電池，或是2顆5,200mAh電池重疊並聯使用，可以達到最佳的重心搭配，以及更長的飛行時間。

3-1. Single Battery

3-2. Double Battery

4. M480L BATTERY INSTALLATION ILLUSTRATION

Lift open the multi-function battery hatch. With battery securely strapped to battery mounting plate, slide the whole plate assembly into the rail, push all the way in until a latching sound is heard. Then close the multi-function battery hatch.

先將多功能電池蓋掀開，把固定好電池的電池板順著滑軌推入，確認發出“喀答”聲響完全裝入，再將電池蓋蓋回。

For traditional battery connection method, connect the battery to plug for power activation.

如果電池是使用傳統接線方式，必須再接上XT60插頭完成通電。

For optimal balance on the M480L, mount the battery on the main battery plate.

M480L電池請安裝於主電池板位置，以達到最佳配重效果。
5 INTELLIGENT POWER MANAGEMENT

POWER ON 電源開啟

Battery level check: Momentary press of power button to check remaining power.

Power On: Press and hold power button for 3 seconds until battery indicator LEDs light up and Status LEDs flash.

Power Off: Press and hold power button for 3 seconds until all LEDs shut off.

6 FLIGHT NAVIGATION LIGHTS

1. Flight navigation lights will light up when power on.
2. Flight navigation lights will shut off when power off.

1. 多軸機開機後指示燈隨之全部開啟。
2. 多軸機開機後指示燈隨之全部關閉。

Do not operate R/C aircraft if the flight navigation lights exhibit abnormal behavior during power up.

飛行指示燈開啟異常禁止飛行。
COLLAPSIBLE MOTOR ARMS

The motor arm assemblies feature foldable design. Simply loosen the twist-off screws for the arms to swivel, reducing the footprint for ease of transport.

多軸飛行機的機臂採用可收折設計。只要鬆開旋鈕螺絲，馬達臂就可以輕鬆收折，調整機臂位置、減小體積方便攜帶，輕鬆收納不佔空間。

**SPECIFICATIONS**

**PCU Power Control Unit  PCU電源控制組**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Voltage</td>
<td>13.2V<del>25.2V (4S</del>6S Li-Po)</td>
</tr>
<tr>
<td>Operating Frequency</td>
<td>500KHz</td>
</tr>
<tr>
<td>Dimension</td>
<td>52x35x26mm</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-5°C<del>45°C (23°F</del>113°F)</td>
</tr>
</tbody>
</table>

**Multicopter Brushless ESC 馬達無刷調速器**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Voltage</td>
<td>13.2V<del>25.2V (4S</del>6S Li-Po)</td>
</tr>
<tr>
<td>Max Continuous Current</td>
<td>40A</td>
</tr>
<tr>
<td>Dimension</td>
<td>74.2x27x12.7mm</td>
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<tr>
<td>Operating Temperature</td>
<td>-5°C<del>45°C (23°F</del>113°F)</td>
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</table>

**RCM-BL4213 Brushless Motor 370 KV (RPM/V)**

<table>
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<tr>
<th>Parameter</th>
<th>Specification</th>
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</thead>
<tbody>
<tr>
<td>Input Voltage</td>
<td>DC 22.2V</td>
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<tr>
<td>Max Continuous Current</td>
<td>25A</td>
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<tr>
<td>Max Continuous Power</td>
<td>550W</td>
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<tr>
<td>Stator Arms</td>
<td>12</td>
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<tr>
<td>Magnet Poles</td>
<td>14</td>
</tr>
<tr>
<td>Dimension/ Weight</td>
<td>φ 4x φ 52x33mm/ 185g</td>
</tr>
</tbody>
</table>
Specifications & Equipment/規格配備:

Airframe Diameter/軸距: 800mm
Main Blade Length/主旋翼長: 190mm
Main Rotor Diameter/主旋翼直徑: 416mm
Height/機身高: 430mm
Flying Weight (without battery)/全配重(不含電池): Approx. 2700g