TREX 800E PRO DFC INSTRUCTION MANUAL

ΛΙ ΙζΝ

Pura extrama ultimate edition

純粹暴力3D 血統

使用說明書

RH80E10XT RH80F12XT

Contents 1 INTRODUCTION 前世 1~2 SAFETY NOTES 安全注意專項 EQUIPMENT REQUIRED FOR ASSEMBLY 白盛粉傷 PACKAGE ILLUSTRATION 何義脫朋

MODEL STANDARD EQUIPMENT DIFFERENCE 標準配備版本始明

SAFETY CHECK BEFORE FLYING 飛行前安全檢查重要事項

6~16 ASSEMBLY SECTION

EQUIPMENT INSTALLATION 各項股機配置團 BATTERY INSTALLATION ILLUSTRATION 電池空裝示意圖

ESC INSTALLATION 無副順速器安勝 CANOPY ASSEMBLY 機頭單安裝

20 ELECTRIC EQUIPMENT ILLUSTRATION 電子設備建筑配衡圖示

20~21 MICROBEAST PLUS FLYBARLESS MANUAL 無平衡減系統使用說明

22 SERVO SETTING AND ADJUSTMENT 信服機能定機器

ADJUSTMENTS FOR GYRO AND TAIL NEUTRAL SETTING

陀螺機與尾翼中立點設定調整 PITCH AND THROTTLE SETTING

主旋翼螺距與油門設定

POWER COLLOCATION REFERENCE 原裝動力數據參考表 HOBBY WING PLATINUM HV 200A BRUSHLESS ESC

無副關連器使用說明 26~28 FLIGHT ADJUSTMENT AND SETTING

TROUBLESHOOTING 飛行中狀況排除



MICROBEAST PLUS 6-AXIS MEMS SENSOR SYSTEM FOR RC-MODELS

Thank you for purchasing Align products. Please read the manual carefully before installing and be sure to retain the manual for future reference. All pictures shown are for illustration purpose only. Actual product may vary due to product enhancement. Specifications, contents of parts and availability are subject to change, ALIGN RC is not responsible for inadvertent errors in this publications.

承要關下彈用亞拓搖控世界系列產品,滿表謝意。使用前,清路必詳關本說 明書,相信一定能夠給您帶來相當大的幫助,也請您妥善保管這本說明書, 以做為日後參考。本公司將不對此印刷物之異動自責,也無法主動通知消費 者任何更新或異動・所有圖片僅用於展示目的・產品可能因改良而有些不 同。本說明書內記載的材質、規格或零件包裝之內容物如有異動,請依亞拓 官網公告為主。

Thank you for buying Align products. The T-REX 800E PRO DFC helicoptor is special edition for extreme 3D flight, as same as other TEXE sibling, full featured Helicopter RIC model capable of all forms of toriaty flight. Please read the manual carefully before assembling the model, and follow all precautions and recommendations located within the manual. Be sure to retain the manual for future reference, routine maintenance, and tuning. The T-REX 800E PRO DFC is a new product developed by ALIGN. It features the best design available on the Micro-Hell market to date, providing flying stability for beginners, full aerobatic capability for advanced filters, and unsurassent deliability for customer support.

感謝您跟講究把產品,為了讓您容易方使的使用 T-REX 800E PRO DFC 直昇機,請您詳細的製護完選本說明書之後再進行組裁以及操作達台直昇機,同時 請認史基的培存基本的問書,作為日後到了課題以及維制的學考 -T-REX 800E PRO DFC 是由它指自行时發的資產品,不為您是需求飛行機定性的卻學考 或是認定性能的所見越考 - T-REX 800E PRO DFC 為是認識性的選集。

WARNING LABEL LEGEND 標誌代表涵義



Do not attempt under any circumstances. 在任何禁止的環境下,請勿嘗試操作。



Mishandling due to failure to follow these instructions may result in damage or injury. 因為疏忽這些幾作說明,而使用錦綠可能造成財產得失或嚴重傷害。



Mishandling due to failure to follow these instructions may result in danger. 因為蘇敦演也提供說明,而使用鐵獎可能请成份際。

IMPORTANT NOTES 新翠藤服

RIC helicopters, including the T-REX 800E PRO DFC are not toys. RIC helicopter utilize various high-tech products and technologies to provide superior performance. Improper use of this product can result in services injury or even death. Please read this manual carefully before using and make sure to be conscious of your own personal safety and the safety of others and your environment when operating all ALIGN products. Manufacturer and selfer assume no itability for the operation or the use of this product. This product is intended for use only by adults with experience flying remote control helicopters at a legal flying field. After the sale of this product were control maintain any control over its operation or used.

As the user of this product, you are solely 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.

TACK MORE PRO DPC 直接是理想的表示是一定是符合了多多类和技术的原始的出来的体制现。所以表现的使用不需求不是用的可能的激励重要类型 可定了:使用了通常的简单的问题。可能是创建自己的原本的一定,但可是有更有更加的原本,是这些可能是用的原本的是可能的原本的。 可能是不是所谓在它因为现代可谓:"全部的是可以是可以是这种可能的。这种可能的可能的是可能的。但是可能是可能的可能的。

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資全部的責任之人。

We recommend that you obtain the assistance of an experienced pilot before attempting to fly our products for first time. An Cload expert is the best way to properly assemble, setup, and fly your model for the first time. The TREX 800E PRO DFC requires a certain degree of skill to operate, and is a consumer Item. Any damage or dissatisfaction as a result of accidents or modifications are not covered by any warrantee and cannot be returned for repair or replacement. Places contact accidents or distributors for free technical consultation and parts at discounted rates when you experience problems during operation or maintenance. As lign Corporation, tolined that are no control over use, setup, final assembly, modifications on insight of the control over use, setup, final 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.

機型配品服务需要作的按正点均衡性之效品,加斯斯斯曼即等。查加京不可能实验中指挥。任何使用特定所造成很多不同以不满事,指数数较级的研究 分型整数高级超速,如固定理解的性能影響。本心如告意分分型似定型解析现代制的指导,特殊中代根据影片,影响自然的表现,就可以 仅、这种作引货用级的被摸索调告,本心可测法控制及負責。任何使用、故定、超数、格改、或种作不良所造成的被摸、每外误需告,使用者需求确全 新新性。

SAFETY NOTES 安全注意事項

ALIGN



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

· Prior to every flight, carefully check rotorhead spindle shaft screws and tail blade grip screws, linkage balls and screws, ensure they are firmly secured.

· 施克德·斯尼德· 国国俄尔斯克兹姆代奇。 为行行等必须惠人 杯,入為組長不能求絕于排壞。 写子您则使佛不良,以及接近上的不熟悉、都有可能得致飛行失控機等不可規則的應外,請求行者誘必正應為行安全。 並高了解自負施忽所追放任何應力。其任。 · 也跟我行前派任何他也,主取實來經報的轉絲,尼旋實來遊轉絲,以及機會各部心反應、條線,確實上觀察才能升空飛行。

○ FORBIDGEN LOCATE AN APPROPRIATE LOCATION 遠離障礙物及人群

R/C helicopters 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. For the first practice, please choose a legal flying field. Do not fly your model in inclement weather, such as rain, wind, snow or darkness.



| ○ | NOTE ON LITHIUM POLYMER BATTERIES 鋰聚電池注意事項

Lithium Polymer batteries are significantly more volatile than alkaline or Ni-Cd/Ni-MH batteries 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.

避緊電池部一般在RC使用的鹼性電池、線網電池、線周電池比較起來是相對危險的。請嚴格遵守經緊電池說明書之使用注 音楽頂。不於常使用經聚電池,可能溶成火災並偏及生命故差安全,切勿大震!



○ FORBIDOEN PREVENT MOISTURE 遠離湖濕環境

R/C models 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.

直昇機內部也是由許多精密的電子等組件組成,所以必須絕對的防止潮濕或水氣,避免在浴室或兩天時使用,防止水氣進 入機身內息而傷致機件及電子零件內煙而引發不可橫腹於層冰。



○ POPER OPERATION 勿不當使用本產品

Please use the replacement of parts on the manual to ensure the safety of instructors. This product is for R/C model, so do not use for other purpose,

謂勿自行改造加工,任何的升級改裝或維修,謂使用亞托塞品目錄中的零件,以確保結構的安全。 謂確認於牽品限界內操作,謂勿遇數使用,並勿用於安全、法令外其它非法用緣。



⚠ WARNING BE OBTAIN THE ASSISTANCE OF AN EXPERIENCED PILOT 遊兒獨自操怒

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 be crash. The guldance provided by an experienced pilot will be invaluable for the assembly, tuning trimming, and actual first flight or unforeseen danger may happen. (Recommend out to practice with computer-based flight simulator.)

至飛行場場行前,需確認是否有相同領率的同好正維行飛行,因為關係相可領率的發射機將導致自己與他人立 外危機。進史排機提致5在學習的時間是一是的競技,要盡量整次第二條作飛行,將自總統以工在分類線 控飛行,否則將可能面成不可預期的意外整生。(劉萊電機模器及老手指導上列中國金灣)



⚠ WARNING SAFE OPERATION 安全操作

Make sure to always be aware to keep your eyes and body away from blades rotation. Do not attempt to grab or make contact with the helicopter while the main blades are in motion. During take-off, landing, and flight, be sure to keep the helicopter away from all obstacles. Operators must stand at least 10 meters away from the helicopter. Never take your eyes off the model or leave it unattended while it is turned on, and Immediately turn off the model and transmitter when you have landed the model. Operate this unit within your ability, do not fly under tired condition, improper operation may cause in danger, and always to avoid injury caused by loose parts due to improper assembly or any unforeseen dangers

類語符注意,等級在任何時候,想不能將護羅姆尔的政策對當時間。 觀點用非則取讓行力的意识者。查生政策翻動後,攻 起於《在朝時》就必與舊鄉理婚》,近仍在靈仙縣即以心穴以上,不可不是被數國外系持續,接接他因為上歸納 實際以便於營電源。操作包古經濟與經濟上建設投級系版力,達成因人為經來不證或或等扶政策。而可覺不可期絕的 財政人人其損害,或需數量自身情況,提於受險,精神不住或不當維持,他可能到為不可期稅的意外發生。

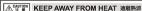


▲ CAUTION ALWAYS BE AWARE OF THE ROTATING BLADES 遠能運轉中零件

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



自昇機主旋翼與尾旋翼運轉時會以高轉速下進行,在高轉速下的旋翼會造成自己與他人在身體上或環境上的嚴重損傷, 請勿觸凝運轉中的主旋翼與尾旋翼,並保持安全節觀以避免造成危險及損傷。



R/C models are made of various forms of plastic. Plastic is very susceptible to damage or deformation due to extreme heat and cold climate. Make sure not to store the model near any source of heat such as an oven, or heater. It is best to store the model indoors, in a climatecontrolled, room temperature environment.

空飛機-S半是以 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、日釀,以避免因高溫而變形甚至熔毀 前的可能。



RADIO TRANSMITTER AND ELECTRONIC EQUIPMENT REQUIRED FOR ASSEMBLY 白備遙控及電子粉備





Transmitter (6-channel or more, Helicopter system) 新成果(方動以上資訊機能可能認識)





Receiver(6-channel or more) 線吹舞(古勒以上)



Remote Receiver



Philips

Screw Driver 十字類絲起子 6 3.0/ 6 1.8mm



Intelligent Balance Charger RCC-6CX 智慧型分壓充電器 RCC-6CX or 或



RCC-300 Intelligent Battery Charger RCC-300 智慧型充電器

rew Drive



22.2V 6S 4500~5200mAh

22.2V 6S 4500~5200mAn Li-Po Battery x 2 pcs 22.2V 6S 4500~5200mAh Li-Po 電池 x 2



Receiver Battery 7.4V 2S 1900-2300mAh Li-Po x 1pcs 经收据電池 7.4V 2S 1900-2300mAh Li-Po x 1

ADDITIONAL TOOLS REQUIRED FOR ASSEMBLY 自備工具



Cutter Knife



Needle Nose Pliers 尖瀬田



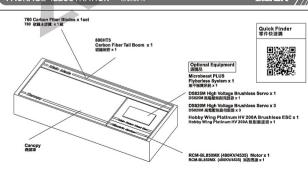
CA Glue

Will-to



PACKAGE ILLUSTRATION 包裝說明

ALIGN ///

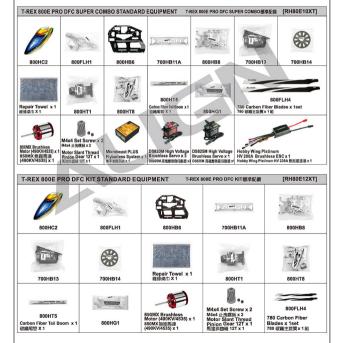


MODEL STANDARD FOLIPMENT DIFFERENCE 標準配備版本絵明 ALICN

There are many versions of T-REX 800E PRO DFC for your choice. The Super Combo includes additional electronics and other equipment. Manual will refer to the T-REX 800E PRO DFC Super Combo. You may curchase any additional items referenced in the instruction manual or any spare parts for other 800E PRO DFC Super on the product information in this manual.

T-REX 800E PRO DFC系列商品有多種版本可作為選擇,除標準配備會因您購買的商品版本而有整徵不同,在組裝、設定上都是一致的,在此我們以 Super Combo作為操作豁例,您也可依無審面上的商品資訊來增強其他愛講商品。





CAREFULLY INSPECT BEFORE REAL FLIGHT 精解格熱行飛行前之棉查義務

- · Before flying, please check to make sure no one else is operating on the same frequency for the safety.
- · Before flight, please check if the batteries of transmitter and receiver are enough for the flight.
- · Before turn on the transmitter, please check if the throttle stick is in the lowest position. IDLF switch is OFF.
- · When turn off the unit, please follow the power on/off procedure. Power ON- Please turn on the transmitter first, and then turn on receiver. Power OFF-Please turn off the receiver first and then turn off the transmitter. Improper procedure may cause out of control, so please to have this correct habit.
- · Before operation, check every movement is smooth and directions are correct. Carefully inspect servos for interference and broken gear.
- · Check for missing or loose screws and nuts. See if there is any cracked and incomplete assembly of parts. Carefully check main rotor blades and rotor holders. Broken and premature failures of parts possibly cause a dangerous situation.
- · Check all ball links to avoid excess play and replace as needed. Failure to do so will result in poor flight stability.
- · Check if the battery and power plug are fastened. Vibration and violent flight may cause the plug loose and result in out of control.
- · 每次飛行前應先確認所使用的頻率是否會干擾他人,以確保您自身與他人的安全。
- · 每次飛行前確定您發射器與接收器電池的電量是在足夠飛行的狀態 ·
- · 题描值確認油門按提票不位於最低點,位少條等問題,定決問題(IDLE)是不於關閉位置。
- · 級機時必須遵守電源網牒機的程序,將機持應先開放整射器後,再開放接收器電源;賭機持應先開閉接收器後,再開閉發射器電源。不正確的開開程序可能會 造失控的现象,影響自身與他人的安全,讀養成正確的習慣。
- 開機請先確定直昇機的各個動作是否順報,及方向是否正確,並檢查伺服器的動作是否有干涉或崩齒的情形,使用放彈的伺服器將導致不可預期的危險。 · 發行前確認沒有缺少或影影的螺絲與螺螺,確認沒有組裝不完整或捐稅的業件,仔細檢查主節醫是否有損壞,特別需接近主節實來座的組位。損壞或組裝不完 繁的零件不確影響飛行,更會造成不可預期的危險。注意:每次飛行前的安全检查、保養、及更換損耗零件,講確實嚴格執行以確保安全。
- · 檢查所有的連桿頭是否有鬆脫的情形,過繫的連桿頭應先更新,否則將造成直昇機無法操控的危險。 · 確認當後及當資採商是否因定主體,發行中的實動或強烈的發行,可能造成需導將商戰將而造成生物的危險。

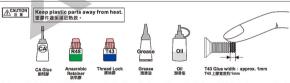
When you see the marks as below, please use relative glue or grease to ensure flying safety. 標有以下符號之組裝步驟,購配合上腰或上油,以確保鎖附零件使用之可靠度。

- CA: Apply small amount of CA Glue to fix.
 BUR : 体自演员股票股份定
- OIL: Add small amount of OIL. 湖沿油:添加湾量湖沿油



- R48: Apply small amount of Anaerobic Retainer to fix. 缺氢脲: 使用消量缺氢脲固定 Grease: Add small amount of Grease. 湿滑油:添加液量湿滑油
- T43: Apply small amount of Thread Lock to fix. 螺絲膠:使用適量蝶絲膠

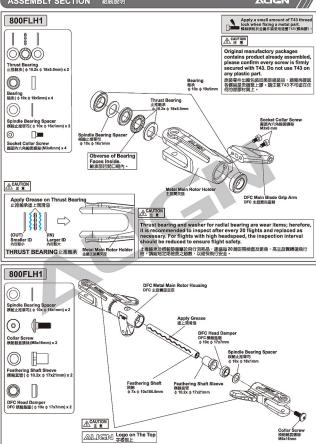
When assembling ball links, make sure the "A" character faces outside. 各項塑膠製連桿頭扣接時· " A "字精朝外·

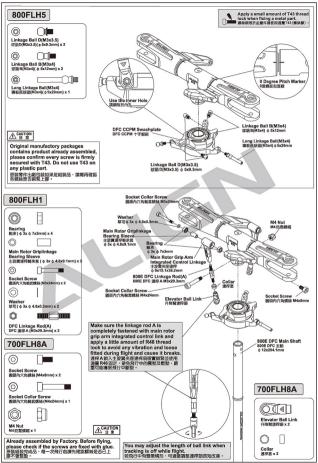


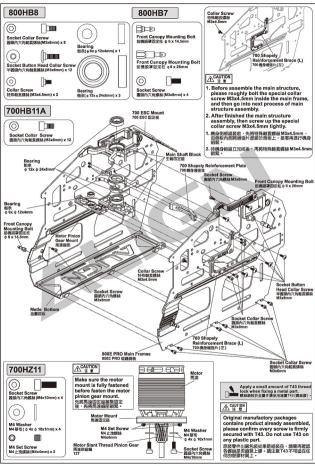
- 1. Anaerobic Retainer (R48)is green penetrating threadlocker and is used to fix the metal tube before assembly at temperatures up to +180°C -
- 2. Thread Lock(T43) is blue low strength threadlocker and is applied to the small screw(threads) or metal parts before assembly to prevent loosening. Ensure to apply only a small amount and wipe surplus off. When disassembling, recommend to heat the metal joint about 15 Seconds.
- 3. Grease is kind of lubricant additive which is applied to the one-way bearings or thrust bearing.

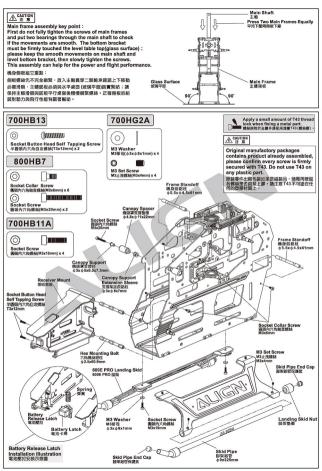
@Based on parts physical attributes, please apply small amount of the relative glue or grease accordingly to prevent any parts damage or loosening or unexpected danger happened.

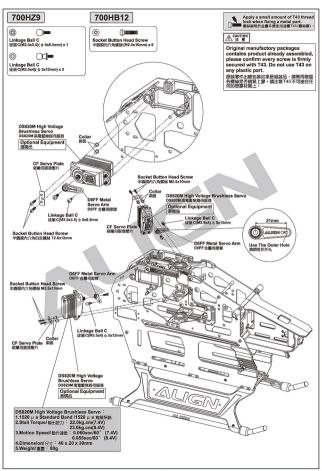
- 1.缺氧器(R48)為綠色高強能快速固化的缺氧器,適合於金屬營狀固定用,可耐高溫至180°C。
 2.螺絲器(T43)為熱色低速度螺絲器,適合小型螺絲;使用於金屬內外徑或膠合螺絲粉,擠務必適量使用,必要時請用手去除多餘器量,欲拆卸 時可於金屬接合部位熟婚約15秒。 3.涸滑油 (Grease) 為喜狀潤滑油,適用於單向動承或止推動承。
- ②上述各類功能單(油)請依零件屬性需求自行準備並斟酌其用量,以達到最佳組裝狀態,避免因使用不當造成零件損壞或不可預期的意外發生。

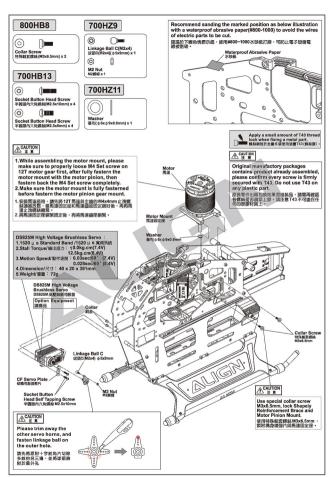


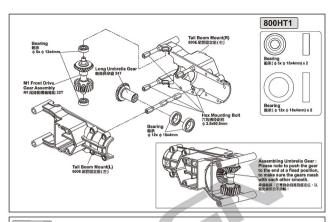


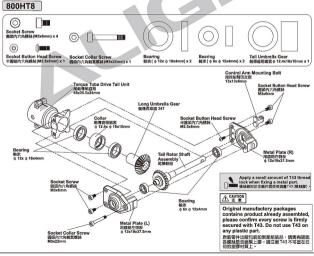


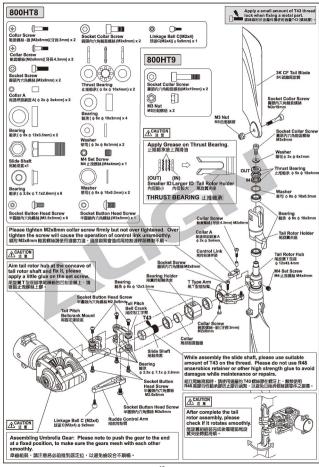


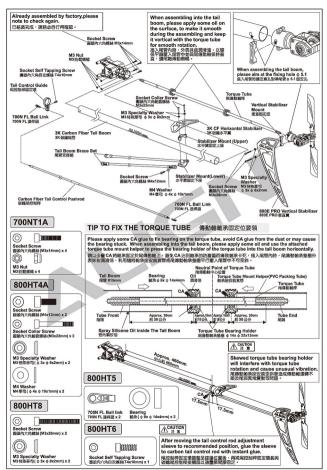


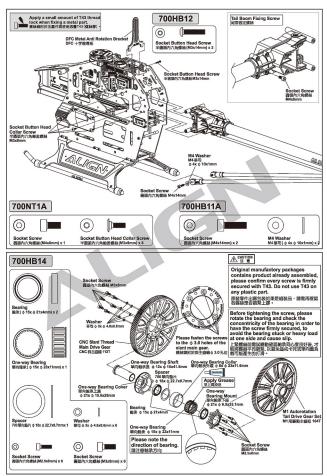


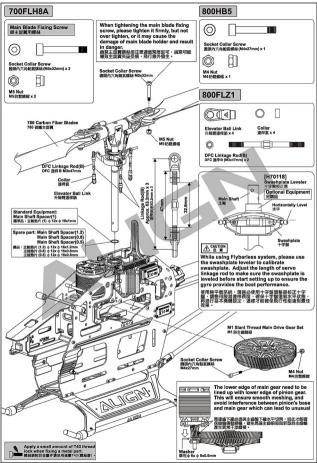














企 CAUTION

Original manufactory packages contains product already assembled, please confirm every screw is firmly secured with T43. Do not use T43 on any plastic part.

原裝零件出廠包裝如果是組裝品,請需再確認 各螺絲是否鎖緊上膠。講注競T43不可塗在任 何的塑膠材質上。

MOUNTING ORIENTATION OF MICROBEAST PLUS

MICROBEAST PLUS的安装方向

Please visit Align download area to get the completed instruction manual at Align website. Ψŧ,

更多詳細的設定操作說明請至官網下數專閱下數。 http://www.align.com.tw/beastx/

Microbeast PLUS provides 8 different direction choices can be installed on any

position of helicopter. Microbeast PLUS 提供8種不同方向選擇,可以安裝在機體的任何一個位置。

THE COLOR OF THE STATUS-LED SHOWS THE CURRENTLY SELECTED ORIENTATION: LED指示燈狀鄉顯示安裝方向:



Status LFD



Status LED Purple Status-LED 遊戲色

Flashing Red

Status LFD Off Status-LED 燈燈湖*



Flashing Purp Status-LED 燈

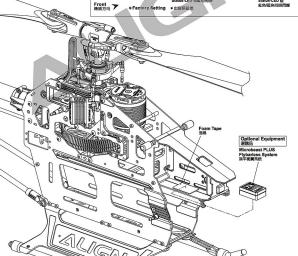
Status-LED 燈 紅色閉鄉

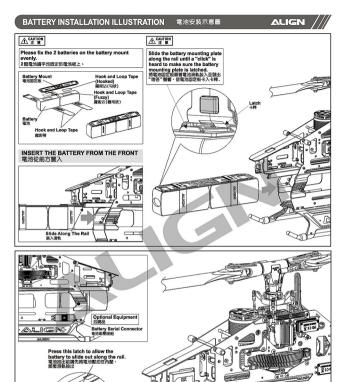
Status I FD Red Status-LED 495T65

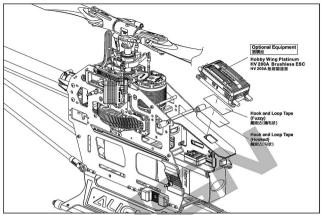
Status LED Flashing Blue Status-LED 想動色粉煙 *出版預設而

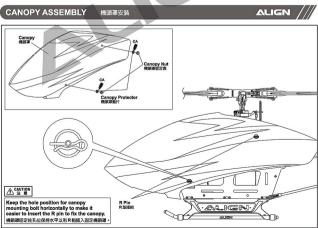
Status LED Blue Status J. FD 898765

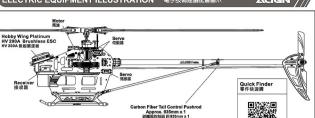
Status I FD Flashing Red/Blue Status-LED 億 紅色荷色回路門標











902.3mm

MICROREAST PLUS FLYBARI ESS MANUAL

無平衡豐系統使用19日

ALIGN

ALIGN helicopter must equip with Flybariess System, please refer to ALIGN Helicopter standard equipment for flight and setup instruction in this manual.
ALIGN helicopter 及死年平星春五日 接作用ALIGN古君湯周里各作學及行學在《珍安宗》。

USER NOTICE 使用注意事項



- 1.If assembling and operating the helicopter without using ALIGN standard equipment, including electronic equipment & blades..etc. please make sure there is a sufficiently large and stable power supply to your helicopter. If any abnormal voltage or insufficient power supply, suggest to upgrade the flybariess system to MICROBEAST PLUS HD (Optional) for better power back up.
- 2. Please refer to BEASTX MICROBEAST PLUS/HD website for MICROBEAST PLUS/HD assembly and setup instruction.
- 3. Any over use, incorrect setup, assembly, modification or misuse will lead to abnormal voltage, electronic devices damage, structural interference, and insufficient power supply. Make sure to carefully check every assembly and setup refer to the manual instruction prior to every flight to prevent any unforcesen dancer.
- 1. 安装、操控您的直昇機時、如弃使用ALIGN標準配件(含電子配件、主說實等),請務必確定您的供電系統有足夠的供電能力,如發现電壓異常、供電不足,就被逐升級使用MICROBEAST PLUS HD無平衡國系統(選配),以使確保充足、穩定的接收器電源。
- 2.MICROBEAST PLUS/HD 使用、股定、接線、糖金器 BEASTX MICROBEAST PLUS/HD 官方投稿。
- 3.任何電子配件、零件的設定、組裝、條改或操作不良所造成的電壓異常、電子零件損壞,即可能造成供電不穩定等問題,每趙飛行前須注意 仔細檢查,防止媒件及電子零件故障而引發不可預期的意外。

MANUAL LINK 粉定操作連結

MICROBEAST PLUS Flybarless System is the V4.2 version out of the factory, please feel at ease using it. You can also link to BEASTX MICROBEAST PLUS/10 website to get the latest version and the latest news. And please refer to MICROBEAST PLUS V13.2 X. and V4.1.5 instruction manual for operating and setting.

MICROBEAST PLUS無平衡翼系統,出廠等主程式為V4.2版本。您也可以連結至BEASTX MICROBEAST PLUS/HD官網查詢,隨時更新最新版本及各項最新訊息。操作設定請同時參解V3.2.x版及V4.2版使用說明書。



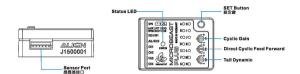
Please visit Align download area to get the completed instruction manual at Align website.

更多詳細的設定操作說明講至官網下載專區下載。 http://www.align.com.tw/beastx/

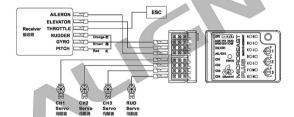


PARTS IDENTIFICATION 各部位名稱

MICROBEAST PLUS FLYBARLESS SYSTEM 每平衡號系統



MICROBEAST PLUS FLYBARLESS SYSTEM WIRING DIAGRAM 無平衡置系統接線示算圖





For detail connectivity, please scan QR Code then follow MICROBEAST PLUS manual. 緊縮股線方式、調排描QR Code 連結至MICROBEAST PLUS說明書・

企CAUTION



MICROBEAST PLUS HD Flybarless System(Optional) MICROBEAST PLUS HD無平衡要系統(強配)

If assembling and operating the helicopter without using ALIGN standard equipment, including electronic equipment & blades...etc, please make sure there is a sufficiently large and stable power supply to your helicopter. If there is any abnormal voltage or insufficient power supply, suggest to upgrade the flybarless system to MICROBEAST PLUS HD (Optional) for better power back up. Please refer to BEASTX website for

Optional Equipment

交袭、操炮炮的直昇機管、切非使用ALIGN模學配件(含電子配件、主题實等),精熱的確定即的供電系統有 压夠的病電節),如營利電配資訊、供電不定、建築加升級使用MICROBEAST PLUS HDI單可關業系(選 配),以能器保死定、穩定的接受器電源。MICROBEAST PLUS HD使用、設定、接線,講會經 MICROBEAST PLUS HD增了的股份。 To set this option is to turn on the transmitter and connect to BEC power.

Note: For the safety, please do not connect ESC to the brushless motor before the setting in order to prevent any accident caused by the motor running during the setting.

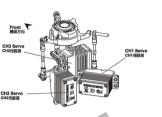
此值的常见秦昭的始射器,接上BEC常海州可排行操作。

注意:為了安全起見,設定的請先不要將無周調速器與無刷馬達三條線接上,以免調整持啟動馬達而發生危險。

SERVO CONFIGURATION 伺服器配置

Following the servo configuration diagram on right, plug the servos to Gyro.

請依照右屬屬示的伺服務名稱、將伺服發接到陀螺儀。



ADJUSTMENTS FOR GYRO AND TAIL NEUTRAL SETTING 陀螺機與尾翼中立點設定調整 ムレル GN

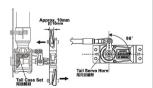
Turn off Revolution mixing(RVMX) mode on the transmitter, then set the gain switch on the transmitter and the gyro to non-head took mode, or dissable gain completely. After settling the transmitter, connect the helicopter power and proceed with ruden neutral point settling. Note: When connecting to the helicopter power, please do not touch tall rudder stelk and the helicopter, wait for 3 seconds for gyro to enable, and the rudder serve hom should be 90 degrees to the tall serve. It all pitch elider should be half way on the tail output shaft. This will be the standard rudder neutral point. After completing this setting, set the gain switch back to heading lock mode, with gain at around 79%.

發射器內於標識設定請開發報注超控模式,並將發射器上的感放腎關與於理論切至"非談定模式"或將的機構感放聯聯。發射器設定完成後接上直昇機電源,即可 進行成形中工场校置,注意:語來上直昇機電源時級的整构系形形框架放跨機機但,待当於經緯網機不成後,居而被解與用反形成約約,90度,据於實控制組須 正確確於品種機能可能可言,則過程理能如立て誘致性。除在完成的、均能學等的提供了。需要夠如 10% 去不

TAIL NEUTRAL SETTING 尾中立點設定

After the gyro is enable and under non-head lock mode, correct setting position of tail servo and tail pitch assembly is as photo. If the tail pitch assembly is no tin the middle position, please adjust the length of rudder

陀螺機開機後,在非鎖定模式下,尾伺服務與尾 Pitch控制組正確撤置



HEAD LOCK DIRECTION SETTING OF GYRO 胶螺藻鎖定

To check the head lock direction of gyro is to move the tail clockwise and the tail servo horn will be trimmed counterclockwise. If it trims in the reverse direction, please switch the gyro to "REVERSE".

陀螺儀鎖定方向確認,當手搖尾部順時鐘擺動,尾伺服臂應反時鐘修 正,反向時請切換陀螺儀上"鎖定反向"開幕修正。





Trim Direction For Tail Servo Horn.



Stick Position at Low/throttle 0%/Pitch-2~0 据释低速/油門0%/Pitch-2*~0







- Autrion 2. Pitch range: Approx. ± 15 degrees. 2. If the pitch is set too high, it will result in shorter flight duration and poor motor performance.
 - 3. Setting the throttle to provide a higher speed is preferable to increasing the pitch too high.

 - 螺旋(Pitch) 總行程約±15°
 過大螺旋設定,會導致動力與飛行時間降低。
 動力提昇以較高轉速的設定方式,優於螺旋關大的設定。

GENERAL FLIGHT 一般飛行權式

Throttle 注的		Pitch 螺距	
5 100%High Speed 100%高速		+12"	
4	85%		
3	60%~65%Hovering 60%~65%停题	+5"	
2	40%		
1	0% Low Speed	0'~-2'	



PITCH AND ROTATION SPEED PITCH與轉速關係

TIP:It is recommended to use a lower pitch setting when using higher RPMHead speed. This will allow for better power. 搭配要號:如果使用較高轉速馬達動力建設搭配網在 Pitch,將獲得較佳動力效能。

IDLE 1:SPORT FLIGHT

Throttle		Pitch
5	100%	+10~+12
4	75%	
3	70%	+5"
2	75%	
1	80%	-5"



Throttle Curve(Simple Aerobatic Flight)

IDLE 2:3D FLIGHT

Throttle 波門		Pitch 9835
5	100% High 100%高	+12"
3	85% Middle 85% 中	0.
1	100% Low	-12

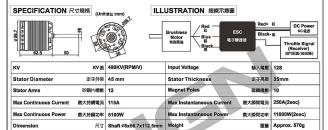


RCM-BL850MX (490KV/4535) MOTOR RCM-BL850MX (490KV/4535) 無刷馬達

Power and torque requirements of enthusiasts, the high output 850MX motor was born in Align's R&D lab. With dramatic increase in torque and power output, capable of 5100 watts continuous power output and 11000 watts of burst power!

850MX Motor has passed various thorough inspections made by our technical department, including motive testing, static testing, magnetic field testing, heat resistance and magnetic loss testing, running balance and vibration testing, noise testing, and many hours of actual loading and flying testing, etc. Align is proud to provide the latest innovations in RC Modeling to its consumers. Please enjoy your Align products safely.

亞布特別針對玩家大動力、高扭力的需求,研發設計出為極致動力而生的 850MX 馬達,動力輸出與扭力表現大幅提升,持續輸出功率達 5100W,瞬間最大輸出功 率可達 11000W。本公司生產的高扭力高轉速 850MX 馬達,適用於 RC 電動商品,其高功率高效率輸出特性,適合電動飛機/電動直昇機之高扭力高轉速驅動動力 用途,速度控制可架本公司或市售規格無別電子變速器。轉子採用高磁性材料放鐵硼精製而成,定子採用本蔵NC自動鏡線與高強度樹脂成型保護,耐高溫低震 動。心驗採高硬度高級性驗承銀及雙22高速糖液額承設計,且經由亞莉獨立開發設計技術,使用聯命長、效率高、耐維不易變形、低磁揚、高效能850型無倒馬



The motor rotates in different direction with different brand ESCs. If the wrong rotating direction happens, please switch any two cables to make the motor rotates in right direction.

由於各品陰電子變漆器的馬澤殷動轉向不應相同,若發生轉向錯誤終,應將馬達與電子變漆器的接線任兩條對照照可。

HOBBY WING PLATINUM HV 200A BRUSHLESS SPEED CONTROLLER INSTRUCTION MANUAL 無例関連器使用線線 本しばこい

PRODUCT FFATURES 產品特色

Optional Equipment



Hobby Wing Platinum HV 200A Brushless ESC can be set up by ALIGN ASBOX Multifunction Programmer. So please scan QR code for ALIGN website start downloading for more information: http://www.align.com.tw/download-en/asbox/

Hobby Wing Platinum HV 200A無劍調滢器可透過ALIGN ASBOX 多功能設定盒進入參數設定,請擇描QR Code 連結亞拓網站 下載相聯資訊:http://www.align.com.tw/download-en/asbox/

- High performance microprocessor with a running frequency of ip to 120 MHz for excellent motor speed-governing and super soft startup.
- Microprocessor powered by independent DC regulator has better antiinterference performance, which greatly reduces the risk of losing control.
- The maximum motor speed can reach 210,000 RPM (for 2 pole motor), 70,000 RPM (for 6 pole motor) and 35,000 RPM (for 12 pole motor)
- Multiple flight modes: Fixed-wing, Helicopter (Linear Throttle), Helicopter (Elf Governor), Helicopter (Store Governor).
- Data logging records the standardized RPM, minimum voltage and maximum temperature of the flight.
- "Restart in auto function" can manually interrupt the auto rotation and
- quickly restart the motor to avoid crashes caused by incorrect operations. WIFI module (sold separately) for programming the ESC wirelessly with your smart phone (IOS or Android).
 Internal anti-spark circuitry effectively eliminates electric sparks
- produced when the ESC is powered on.
- · Independent output port for RPM (that is: motor speed) signals. · Separate programming port for ESC parameter setup through ALIGN ASBOX Multifunction Programmer. Separate programming port for ESC programming or parameter setting.
- Multiple protections like thermal shutdown protection, overload protection.
- over-current protrceion, etc.
- BEC is separated from other circuits of the ESC, it may keep normal output even when MOSFET board of the ESC is burnt or breakdown. Online firmware upgrade via ALIGN ASBOX Multifunction Programmer or
 - WIFI module

使用運行頻率高達120MHz的高性能微處理器,相容多種 質別馬達,具備優異的完速和緩放動性影

微處理器採用獨立的穩壓IC給供電,具有更好的抗干擾 能力,條低失控的可能件。

支持馬達最高轉速可達 210,000 RPM(2福馬達)、 70,000RPM (6極馬達)、35,000RPM (12極馬達)

具有"固定翼模式/直升機線性油門模式/直升機定速模式 /直升機存储定速模式"4種飛行模式。 具有飛行資料記錄功能,可記錄當次飛行的最低電壓、 最高溫階資料、最大電流、標定確使。

· 支援WIFI無線設定,通過手機路(蘋果&安卓)軟體可完成 所有參數設置(需要WIFI機組)。

內置防火花電路,有效消除上電腦間產生的電火花。

· 具有確決 (RPM) 無能輸出介面。

具備獨立參數設定介面,用於連接多功能LCD專業程式 設計ALIGN ASBOX 多功能設定會進行參數設定。 具備啟動保護、溫度保護、適負荷保護、電流保護等多 重保護功能,有效延長電響使用壽含:

BEC模組和電子調速器其他電路相互獨立,當電子調速 器功率板出現線投等故障時,最大限度保證BEC正常輸出,提供救機機會;

支援線上擴取、設定電設定數・查看透度曲線表(存储 模式下),升級電子鎖速器固件(需要ALIGN ASBOX※加修設定盒或WIFI機網)。

SPECIFICATIONS 產品相格

Model 型號	Main Applications 應用範圍	Input Voltage 輸入電壓	Cont./Peak Current 持續/瞬間電流	BEC Voltage BEC
	For 700-800 Class Helicopter (Propeller: 700-800mm) 700-800級電動直升機(樂 長: 700-800mm)	6~14S LiPo Battery (22.2V~51.8V) 6~12S鋰電池 (22.2V~51.8V)	200A/300A	Switch-mode, 5V~8V Adjustable Voltage (Step: 0.1V),10A/30A Cont./Peak Current 開踢環歷BEC · 輸出電壓5V~8V可購(網 整個股為0.1V空間) · 輸出電流持續 10A · 限間30A
Hobby Wing Platinum HV 200A	Throttle Signal/BEC Output & RPM Signal Transmission Wire 油門信號/BEC輸出&RPM信號傳輸線		Size/Weight 尺寸/重量	Separate Programming Port 獨立參數程式設計介面
	White/Red/Black: Throttle Signal Wire; Red/Brown/Yellow: BEC Output & RPM Signal Transmission Wire う、紅、黒三色線為池門電梁線;紅、棕、黄三色線為 BEC輸出及RPM信號傳輸線		106x50x36mm/325g	For connecting ALIGN ASBOX Multifunction Programmer, WIFI module, or cooling fan. 用於理接ALIGN ASBOX多功能設定 盒或WIFI機組,可為輔助散熟風屬供 電

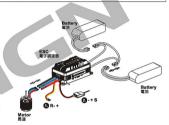
USER GUIDE 使用說明書

↑ CAUTION The default throttle range of this ESC is from 1100 µs to 1940 µs, so you need to re-calibrate the throttle

電子調速器的油門行程出廠預設值為1100 us~1940 us,當首次使用電子顯速器或者更換其他基构器使用時,均應重新設定油門行程。

I.Connections 接線示意圖

- RPM Signal Wire(Yellow) & BEC Output Wire (Red/Brown): plug it into the RPM input channel on the flybarless system. (This wire can be used for providing RPM signal data when using external speed-governing device. plug it into the battery channel or any unoccupied channel on the receiver.
 (For better BEC power supply, we recommend plugging this wire into the battery channel or any unoccupied channel on FBL system if the FBL system is permitted.
- 2 Throttle Signal Wire (White/Red/Black): plug it into the throttle channel on the receiver or the corresponding channel on the FBL system, such as RX B channel on the VBAR system. For which channel you should plug it in, it depends on what kind of receiver and FBL system you use. The White wire is for transmitting throttle signals, the Red & Black cables are parallely connected in the BEC output wire, which means BEC voltage output wire and ground cable.



- (章 RPM德致線(費)及BEC輸出線(紅、核):插入無平衡翼系統轉速輸入遊道;(當使用外部定速時,可使用RPM德號線提供轉速信號輸入,這條節外的BEC輸出線插入接收機電池專用透道或任態空間透道。(為獲得更好的BEC供電效果,在無平衡翼系統允許的情況下,建議 將BEC線插入無平衡翼系統的電池專用通道或任意空間通道。)
- ② 油門信號線(白、紅、黑):插入接收機油門通道或無平衡翼系統對應通道,如VBAR系統的RXB通道,依接收機類型及無平衡翼系統類型而定。其中白線用於傳送油門信號,而紅線和黑線分別並聯在內部BEC的輸出機(即BEC電壓輸出線和地線)。

II.Throttle Range Calibration 油門行程校準操作方法

企AUTION

During the ESC/Radio calibration, please set the throttle curve to NORMAL and ensure the corresponding throttle amounts to the maximum throttle endpoint and the minimum throttle endpoint on your transmitter are respectively 100% and 0%.

進行油門行程校準時,請將油門曲線設置為NORMAL,並確保鑑控器油門最高點對應的油門值為100%,油門最低點對應的油門值為0%

Turn on the Connect the ESC to a 5 seconds later, the motor will emit two transmitter and move battery. The motor will emit short beeps indicating the maximum the throttle stick to ▶123" indicating the ESC throttle position has been successfully the top position. is powered on normally. calibrated and accepted. 等待5秒,馬達發出"暉-僤-"雙短嶋音,表示油門最高點校準成功 開歐遙控器,將油門打到 電子調速器接電池,馬達嶋山 >123 提示音,表示供電正常 The ESC will keep beeping indicating the The motor will been a

Move the throttle stick to the bottom position. 1 second later a short beep will emit indicating the minimum throttle position has been accepted. 將油門搖杆推到最低,等待1秒,"暉 "一整提示音,油門最低點校準成功

number of LiPo cells you have plugged in. (A long beep represents 5, a short beep represents 1. E.g. The ESC will beep two long beeps and two short beeps to indicate a 12S LiPo pack. 馬蓬將繼續鳴叫提示當前經電池數(長音暉一表示5,短音 暉-表示1,例如:128鐘電池將鳴叫"噗—噗—嚷—噻-")

long beep to indicate the calibration is completed. the power system is ready to go. 馬達鳴叫"長音譚一"代表校準成功,系統準備散線,可護時記載



PLEASE PRACTICE SIMULATION FLIGHT BEFORE REAL FLYING 恐行的諸事先執練雷崧維粹飛行

A safe and effective practice method is to use the transmitter flying on the computer through simulator software sold on the market. Do a simulation flight until you familiarize your fingers with the movements of the rudders, and keep practicing until the fingers move naturally.

1. Place the helicopter in a clear open field (Make sure the power OFF) and the tall of helicopter point to yourself.

2. Practice to operate the throttle stick (as below illustration) and repeat practicing

3.模擬飛行的練習相當重要,請重複練習直到不需用索,手指能自然隨著越出的指令移動控制。

"Throttle high/low", "Aileron left/right", "Rudder left/right", and "Elevator up/down".

3. The simulation flight practice is very important, please keep practicing until the fingers move naturally when you hear operation orders being call out.

在這沒麼解直昇機各動作的操控方式前,嚴禁實機飛行,關先進行電腦模擬飛行的練習,一種最有效、最安全的練習方式,就是透過 市面級集物學學數體,以各物與在電腦上機够飛行,緊張各種方向的學校,並不斷的重複,實例手指可熟練的控制各國動作及方向。

1. 將直昇機放在空廳的於方(確認電源為關閉), 並將直昇機的機區對進自己。 2.接雪操作逐控悉的各樣提(各動作的操作方式如下圖),並反應接雪沖門高/低、期間左/右、升降給前/卷及方向給左/右操作方式。

Mode 1 Mode 2 Illustration 園示 Move Left Move Right ______ 左移 大轮 Aileron 3139 Rotate Right < 左翻 方案 Fly Forward Fly Backward 前淮 Elevator升路/前後 rd Rotate Forward Rotate 线廊 Throttle 油門 Descen

FLIGHT ADJUSTMENT AND NOTICE 飛行關整與注意

CAUTION

OCheck if the screws are firmly tightened.

OCheck if the transmitter and receivers are fully charged.

Rudder 方向

○再次確認→螺絲是否鎖因? ○類射器和接收器置池是否定面。

CAUTION #

If there are other radio control aircraft at the field, make sure to check their frequencies and tell them what frequency you are using. Frequency interference can cause your model, or other models to crash and increase the risk of danger. 豪萨飛行場石其他建物發機,矮強認起對的頻繁,並告知他對像正在夢用的頻繁,相同的頻繁會時處王德與對失控和大大批對加風勝。

STARTING AND STOPPING THE MOTOR 啟動和停止馬達

ON! Step2 Connect to the helicopter power 接上直昇機電源

企CAUTION

First check to make sure no one else is operating on the same frequency. Then place the throttle stick at lowest position and turn on the transmitter.

首先確認附近沒有其他相同頻率的使用,然後打開發射器將油門搖桿推 到低點:

 Check the movement 動作確認 ON! Step1

First turn on the transmitter. 华细网络射线



Turn Right

左旋

· 类纸漆砂行填



確認沖門維持是在最低的位置。

· When arriving at the flying field.

Mode 1 @Are the rudders moving according to the controls? @Follow the transmitter's instruction manual to do a range test.

〇方向舵是否隨著控制方向移動? ○根據發射器說明書進行距離測試。

OFF! Step3

Reverse the above orders to turn off. 縣間電源時譜依上述操作動作反執行。



This procedure is best performed on soft surfaces such as grass. The use of rubber skid stopper is recommended on hard surface to prevent vibration feedback from the ground to Gyro, resulting in over-corrections.

將直升機當於柔軟地區上,建隘硬地起飛腳架裝上避震整圈。避免升空前腳架與過硬的地面震動太大反鎮至機身上的Gyro,影響無平衡厲系 統升空前過度條正。

Rubber Skid Stoppers

Installed 英上游電勢原





企AUTION 注意

If swashplate should tilt prior to lift off, do not try to manually trim the swashplate level. This is due to vibration feedback to the Gyro, and will disappear once helicopter lifts off the ground. If manual trim is applied, helicopter will tilt immediately after liftoff.

直昇機能地前,十字盤可能因Gyro受震動的反饋,使十字盤有傾斜的情形,此時請勿刻能將十盤修正為水平狀態,此現象只要離地升空時立即解除, 可平摄升空;若刻服將十字餘條正為水平時,反而會造成廢應器過度條正,一離地則偏往條正方向的危險。

MAIN ROTOR ADJUSTMENTS 主旋翼雙槳平衡調整

1.Before adjusting, apply a red piece of tape on one blade, or paint a red stripe with a marker or paint to identify on blade. 2.Raise the throttle stick slowly and stop just before the helicopter lifts-off ground. Look at the spinning blades from the side of the

helicopter. 3.Look at the path of the rotor carefully. If the two blades rotate in the same path, it does not need to adjustment. If one blade is higher or lower than the other blade, adjust the tracking immediately.

 服物前先在其中一支中原體的雙端,貼上有額色的貼紙或書上額色記號,方便轉導網絡驗證。 場場的維护沖門接續到高點並且停止,在發線整體地面前,從發揚側邊關察主即開轉動。

3.仔細觀察旋翼軌跡(限如兩支旋翼移動都是相同軌跡,則不需要調整;可是如果一支旋翼較高或較低產生"雙獎"的懷形詩,則必須立刻調整軌節)。

a. When rotating, the blade with higher path means the pitch is too big. Please shorten DFC ball link for regular trim.

b. When rotating, the blade with lower path means the pitch too is small. Please lengthen DFC ball link for regular trim.

a.旋翼轉動時較高軌跡的主旋翼表示螺旋(PITCH)過大,請調短DFC連桿頭修正。 b. 旋翼轉動時較低軌跡的主旋翼表示螺距(PITCH)與小、請請長DFC連桿頭條正。

A CAUTION

Tracking adjustment is very dangerous, so please keep away from the helicopter at a distance of at least 10m.

調整軌跡非常危險、請於距離飛機最少10公尺的距離。

Incorrect tracking may cause vibrations. Please repeat adjusting the tracking to make sure the rotor is correctly aligned. After tracking adjustment, please check the pitch angle is approx. +5~6° when hovering. 不正確的影響軌站會與軟置動,請不斷雷複調整軌端,使影響軌路轉進下確。

在撕整軌節後,確認一下Pitch角度在停旋持應為大約+5~6°。



FLIGHT ADJUSTMENT AND NOTICE 飛行調整與注意

O FORBIDDEN



ODo not attempt to grab or make contact with the helicopter while the main blades are in motion and keep your eyes away from the helicopter. During take-off, landing, and flight, be sure to keep the helicopter away from all obstacles. Operators must stand at least 10 meters away from the helicopter to avoid injury caused by loose parts due to improper assembly or any unforeseen dangers.

◎嚴禁用手抓取運行中的直昇機,並禁止將直昇機對著銀腈,當主旋翼轉動後,或起飛/試飛時,務必邀難障礙物,站立位置必需距離 10公尺以上,避免因人為組裝不當造成零件就落,而引發不可預期的財物及人員損傷。

企CAUTION

Make sure that no one or obstructions in the vicinity.

©For flying safety, please carefully check if every movement and directions are correct when hovering.

○確認邀沂地區沒有人和陰醫物。

〇為了飛行安全,您必須先確認停懸時各項操控動作是否正常。

A CAUTION

Do not attempt to fly until you have some experiences with the operation of helicopter. 緊接無數據投稿行為歸来揭如屬行。

STEP 1 THROTTLE CONTROL PRACTICE 油門控制練製

When the helicopter begins to lift-off the ground, slowly reduce the throttle to bring the helicopter back down. Keep practicing this action until you control the throttle smoothly.

介偿有数据用始整他链,相模除所由网络数据降下。 持續接限数据從他問 F4.和下路市到你要想油門均割原圈。





STEP 2 All FRON AND FLEVATOR CONTROL PRACTICE 副翼和升路控制接彎

1.Raise the throttle stick slowly.

2.Move the helicopter in any direction back, forward, left and right, slowly move the aileron and elevator sticks in the opposite direction to fly back to its original position.



2.使直昇機依指示:移動向後/向前/向左/向右,慢慢的反向移動副翼和







升降搖桿並將直昇機開回到原來位置。

If the nose of the helicopter moves, please lower the throttle stick and land the helicopter. Then move your position diagonally behind the helicopter 10M and continue practicing olf the helicopter flies too far away from you, please land the helicopter and move your position behind 10M and continue practicing.

◎當直昇機機頭偏移時,請辦低油門並且降落,然後移動自己的位置到直昇機的正後方10公尺再繼續練習。 ○假如百兄塘孙胜你大清,结供游落百兄梯,参到百兄梯络10小尺再避婚神梁。

STEP 3 RUDDER CONTROL PRACTICING 方向較操作練習

1.Slowly raise the throttle stick.

2. Move the nose of the helicopter to right or left, and then slowly move the rudder stick in the opposite direction to fly back to its original position.

1.慢慢升起油門螺桿(

將直昇機機頭移動左或右,然後慢慢反向移動方向舵搖桿並將直昇機飛回原本位置。





STEP 4

After you are familiar with all actions from STEP1 to 3, draw a circle on the ground and practice within the circle to increase your accuracy. 當你覺得 STEP1~3 動作熟悉了,在地上畫圈覆並在這個圈圈的範圍內練習飛 行,以增加你操控的準確度。

②You can draw a smaller circle when you get more familiar with the actions.
○當你更加營情操作動作,你可以盡更小的團團。



STEP 5 DIRECTION CHANGE AND HOVERING PRACTICE 改變直昇機方向和練習停旋

After you are familiar with STEP1 to 4, stand at side of the helicopter and continue practicing STEP1 to 4. Then repeat the STEP1 to 4 by standing right in front of the helicopter. 營你會與STEP1~4動作熟悉了,所在而對自昇機倒達並繼續練習STEP1~4。之後,所在自昇機機頒石邊面被步驟練習。















Circus		///	
	Problem 狀 況	Cause 原 因	Solution 對 策
Blade Tracking 雙槳平衡	Tracking is off 雙葉	Pitch linkage rods are not even length PITCH連桿長度調整不平均	Adjust length of DFC ball link. 開整DFC速桿頭長度
Hover 停懸	Headspeed too low 主政質物透畅点	Excessive pitch 主旋翼約PITCH偏高	Adjust DFC ball link to reduce pitch by 4 to 5 degrees. Hovering headspeed should be around 1700–1800RPM. JMSDFC课程周围使Pitchip 44-5版 (停服持主政實際為約1700–1800RPM)
		Hovering throttle curve is too low 停想點法門無幹過瓜	Increase throttle curve at hovering point on transmitter (around 60%) 謂高停懸動港門曲線(約60%)
	Headspeed too high 主使興時速偏高	Not enough pitch 主旋翼約PITCH縣径	Adjust DFC ball link to increase pitch by 4 to 5 degrees. Hovering headspeed should be around 1700-1800RPM. 類點DFC編輯與關係Pitchig - 4-5級 (序級於主証實稿為約1700-1800RPM)
		Hovering throttle curve is too high 停憩默治門無線過高	Decrease throttle curve at hovering point on transmitter (around 60%) 開發停壓點港門曲線(約60%)
Rudder Response 尾舵反應	Drifting of tail occurs during hovering, or delay of rudder response when centering rudder stick. (英語和實際某一樓攝影、或撥動方向舵、社會發射中过點時,根據產生経緯、無法學辨在所控制位置上。	Rudder neutral point improperly set 尾中立點設定不需	Reset rudder neutral point 重設是中立點
		Rudder gyro gain too low 尾舵挖螺債懲投編挺	Increase rudder gyro gain 增加尾舵陀帽锁感接
	Tail oscillates (hunting, or wags) at hover or full throttle 伊服或全油門朗尼賈左右來回报要。	Rudder gyro gain too high 尾舵陀螺锁感度偏离	Reduce rudder gyro gain 降低尾約陀據鐵總接

If above solution does not resolve your issues, please check with experienced pilots or contact your Align dealer. ※在徵完以上調整後,仍然無法改善情況時,或立即停止飛行並向有經驗的飛手諮詢求運絡您的經銷商。 Thank you for purchasing and supporting ALIGN products.

The Align Team is dedicated to you by innovating and developing new RC Helicopters, Multicopters, and FPV Racing Quads. We strive to provide a more diversified experience for our customers. Visit our website at www.align.com.tw for latest news, information, and updates about our extensive line of products for the RC enthusiasts.

Good Flying!

再次感謝您對亞拓系列商品的喜愛與支持,您的肯定是對我們最大的認同。

亞拓團隊乘持創新研發的精神,開發遙控直昇機/多軸飛行機/穿綠機系列商品,提供始發槽驗更多樣化的飛行樂廳。您可以透過下列達結,隨時經解亞形的 最新動態,以及各項訊息分享。





即深语 京教氏 ALIGN T-REX Helicopter 亞拓遜控直昇機

http://www.align.com.tw/helicopter-en/

ALIGN Multicopter 亞拓多軸飛行機 http://www.align.com.tw/multicopter-en/

ALIGN FPV Racing Quad 亞拓穿越機 http://www.align.com.tw/multicopter-en/mr25/

ALIGN Website 亞拓官網 http://www.align.com.tw

ALIGN Shopping Cart 亞拓講物車 http://shop.align.com.tw/index.php?language=en

ALIGN Quick Finder 亞拓零件快速購

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ALIGN Youku http://i.youku.com/u/UMTQ0NjEwNjczNg==

www.align.com

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Specifications & Equipment/規格配備:

Length/機身長:1490mm

Height/機身高:402mm

Main Blade Length/主旋翼長:780mm

Main Rotor Diameter/主旋翼直徑:1740mm

Tail Rotor Diameter/尿旋豐高徑:301mm

Motor Drive Gear/馬達旃輸:12T

Main Drive Gear/主齒鑰:112T

Autorotation Tail Drive Gear/尾驅動主齒:104T Tail Drive Gear/尾翼傳動齒:22T

Drive Gear Ratio/齒輪傳動比:9.33:1:4.73 Flying Weight(Without battery)/全配重(不含電池):Approx. 4100g

