TREX 800E PRO DFC INSTRUCTION MANUAL

ALIGN

純粹暴力3D 血統

使用說明書

RH80E10XT RH80E12XT

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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.

承要酮"延用亞托基哲世界系列產品、讓表謝意。使用讀、講務必即關本說 即書、相信一定能夠依愿得本間書大切傳動。也開版安善保管正定明書。 以做為自任檢查等。本公司網不對此印刷的之異動負責,也無法主動證別消費 在任何更新成業態。所有關人權用於級而目的。基础可能因及內有數 周。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,請依亞和 官類公為其生 Thank you for buying Align products. The T-REX 800E PRO DFC helicoptor is special edition for extreme 30 flight, as same as other TREX shilling, full featured Helicopter RIC model capable of allforms of tortary 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 funing. 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 filers, and unsurpassed reliability for customer support.

感激应困構亞把差品,為了讓您問易方使的使用 T-REX 800E PRO DFC 直昇機、請您詳細的製體完選本說明書之後再進行組裁以及操作達台直昇機,同時 請您某能的保予基本契明書,作為日後进行課款以及維繫的參考。T-REX 800E PRO DFC 是由立祏自行明验的新差品,不識您是需求飛行確定性的卻參考 或是监索性能的預行契约者,T-REX 800E PRO DFC 為是短機能的選擇。

WARNING LABEL LEGEND 標誌代表涵義



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



Mishandling due to failure to follow these instructions may result in damage or injury. 因為疏忽這些後作說明,而使用翡翠可能造成財產損失或嚴重傷害。



Mishandling due to failure to follow these instructions may result in danger. 因為醉烈演劇場作說明,而使用雜語可能消成倍際。

IMPORTANT NOTES

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 nesult in serious injury or even death. Please read this manual carefully beforeusing and make sure to be conscious of your own personal safety and the safety of others and your environment when operating all ALLOB products. Manufacturer and safet assume no institution for the product of the product. This product is intended for use only by adults with experience flying remote control helicopters at a legal flying field. After the safe of this product to annount maintain any controlover 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.

T-REX 800E PRODEC 高校直用维护联系率(完整的了等多高料料表的所的计出来的体制程等,所以自然的使用不靠成不易的可能曾加强重要需要 整元性,使用它加强的战事或补减率,必要也让往自然存在。15年至4年有限的电子。15年(15年20年有限的电子),因选择规则需用是这种情况等的的数据复常 或据核不能指给生之因外身任何責任,本者法是提供各有操作规则占其解决部的成,这可用意技术的人具在分批等处置的运程性的表现分,以提供 安全编集下海性原子,高级品化是公司解究场任何提供原理的提供的成功。

做為本產品的使用者,您,是維一對於您自己操作的環境及行為會全部的責任之人。

We recommend that you obtain the assistance of an experienced pitol before attempting to fly our products for the first time. A closed expert is the best way to properly assemble, setup, and fly your model for the first time. The TAEX 800E PRO PEC 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. Please contact out distributors for free technical consultation and parts at discounted rates when you experience problems during superation or maintenance. As Align Corporation Limited has no control over use, setup, final assembly, modification is no liability shall be assumed nor accepted for any resulting idality.

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、缩改、或种作不良用造成的被摸、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 R/C aircraft within the vicinity of homes or crowds of people. R/C aircraft are prone to accidents, failures, and crashes dust or 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 of a result of R/C aircraft arm 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· 国民機關高位級性商品,飛行前移必應應人務。 人名胡扬不靠求德共排练。 電子控制使無不良,以及接往上的不熟悉、都有可能導致飛行失控機需等不可規則的應外,請飛行者誘必正應為行安全。 並高了解自負執為所造成任何意分之責任。 · 如顯飛行前原仔細胞重,主即實來整徵解釋絲,促就實來壓線絲,以及機會各部以設備、解釋,確實上觀察來能升空飛行。

○ FORBIDDEN 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.



○ FORBIODEN 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.

Hen disposing of Edition : Symple Seasons : Symple Seas



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。



PROPER 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.

隋勿自行改造加工,任何的升級改裝或維修,隋使用亞拓產品目錄中的零件,以確保結構的安全。 清確認於產品與界內操作,請勿過數使用,並勿用於安全、法令外其它非法用途。



ANWARNING Se Se OBTAIN THE ASSISTANCE OF AN EXPERIENCED PILOT 避免獨自搡控

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. guidance provided by an experience and actual first flight or unforeseen danger may happen. (Recommend you to practice with computer-based flight simulator.)

至飛行場場行前,層階級是否有相同領率的向好正進行飛行,因為關係相同領率的望射機將導致自己與他人「 外总統。進史持續建設乃在學習的時名差一位的語符、表書畫整定場目線作飛行,需有線驗的人士在海詢 控飛行,否則將可能並成不可預期的意外發生。(國練電影機應款及老手指導是人門炒物改選》)



▲ 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》,近仍在靈仙縣即也心以下止,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。 操作后台灣界國際一定接收技術系統力,更使因人為經來不證或或等扶政策。 前日覺不可期絕的 財政人人其損害,或需數量自身情況,提收受險,精神不住或不當據年,他可能到第一份期間的意外發生。



▲ 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 loose clothing away from the blades. Always fly the model a safe distance from yourself and others, as well as surrounding objects



主旋翼與尾旋翼運轉時會以高轉速下進行,在高轉速下的裝翼會造成自己與他人在身體上或環境上的嚴重損傷, 環運轉中的主旋翼與尾旋翼,並保持安全距離以露安造成在國及穩懷。

KEEP AWAY FROM HEAT 遠離熱源

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.

飛機多半是以 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、日曬,以遊受因高溫而變形甚至熔毀 的可能。



RADIO TRANSMITTER AND ELECTRONIC EQUIPMENT REQUIRED FOR ASSEMBLY 白備遙控及電子鈴傭





Transmitter (6-channel or more, Helicopter system) 新聞來(方數以下直接機能可能認識)





白備設備

Receiver(6-channel or more) 線改器(介閣以上)



Remote Receiver 後用子線





Intelligent Balance

Philips

Charger RCC-6CX 智慧型分配充電器 RCC-6CX or st

Screw Driver 大角螺絲起子

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



22.2V 6S 4500~5200mAh

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

38124-30



Receiver Battery 7.4V 2S 1900-2300mAh Li-Po x 1pcs 接收器電池7.4V 2S 1900-2300mAh Li-Po x 1

ADDITIONAL TOOLS REQUIRED FOR ASSEMBLY 自備工具



veler

Cutter Knife





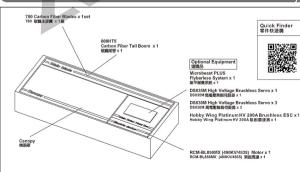


CA Glue



PACKAGE ILLUSTRATION 包裝說明

ALIGN ///



780 Carbon Fiber

780 磁線主物架×1組

Blades x 1set

Motor Slant Thread Pinion Gear 12T x 1

Pinion Gear 121 無漆斜磁鞘 12T x 1

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

T-REX 800E PRO DFC系列商品有多種版本可作為選擇,除標準配借會因您隨實的商 A版本而有些微不同,在組裝、設定上都是一致的,在此就們以 Super Combo作為操作談例,條也可能與書類上的命品會組來雖沒其他課題產品。





800HT5

Carbon Fiber Tail Boom x 1

碳糖尾管 X 1

800HG1

CAREFULLY INSPECT BEFORE REAL FLIGHT 加爾格執行飛行前之榜查義務

- · 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 ·
- · 問導前確認油門指揮是否位於曼任點,位少條等問題,定決問題(IDLE)是否於關閉位置。
- · 級機時必須遵守電源網牒機的程序,將機時應先開放整射器後,再開放接收器電源;階機時應先開閉接收器後,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零件,仔細檢查主節闡是否有損壞,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定費,發行中的實動或強烈的發行,可能造成需要將關戰設而造成生物的危險。

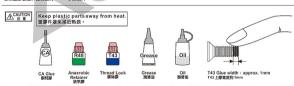
When you see the marks as below, please use relative glue or grease to ensure flying safety. 標有以下符號之組裝步驟,購配合上腰或上油,以確保鎖附零件使用之可靠度。

- 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:添加湾屋湖沿油 R48: Apply small amount of Anaerobic Retainer to fix. 缺氢膠:使用调量缺氢器固定 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. 概熱限: 使用消養複熱器

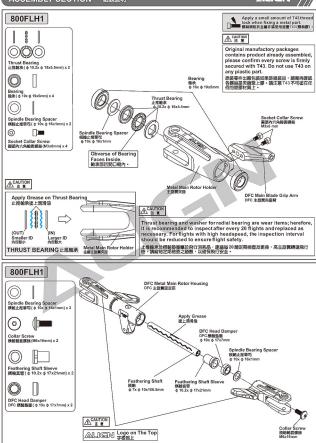
When assembling ball links, make sure the "A" character faces outside. 各項塑膠製連桿頭扣接時, "A "字精朝外。

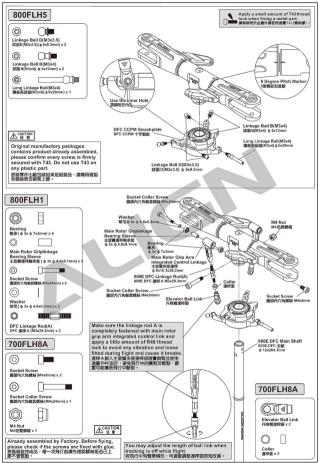


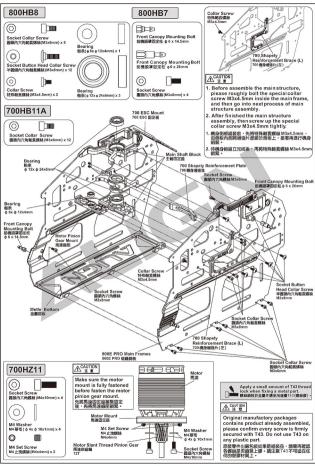
- 1. Anaerobic Retainer (R48)is green penetrating threadlocker and is used to fix the metal tube before assembly at temperatures up to +180°C -
- 2.Thread Lock(T43) is blue low strength threadlocker and is applied to the small screw(threads) or metal parts before assembly to prevent loosening. Ensure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

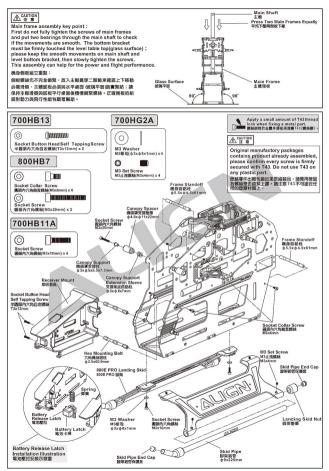
@Based on parts physical attributes, please apply small amount of the relative glue or grease accordingly to prevent any parts damage or loosening or unexpected danger happened.

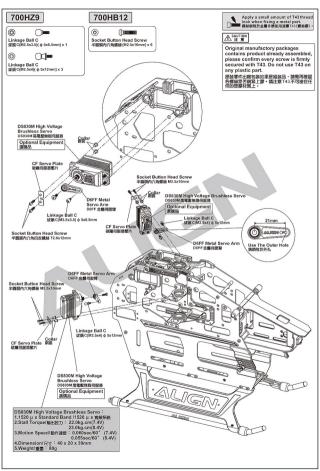
- 1.終氣器(R48)為綠色高強能快速固化的缺氧器,適合於金屬營狀固定用,可耐高溫至180°C。
 2.螺絲器(T43)為蘇色低速度螺絲器,適合小型螺絲;使用於金屬內外徑或膠合螺絲粉,燒務必適量使用,必要時情用手去除多餘器量,欲拆卸 防可於金屬接合部位熟榜約15秒。 3.涸滑油(Grease)為臺狀潤滑油,適用於單向動承或止推動承。
- ②上述各類功能學(油)請依零件屬性需求自行準備並斟酌其用量,以達到最佳組裝狀態,避免因使用不當造成零件損壞或不可預期的意外發生。

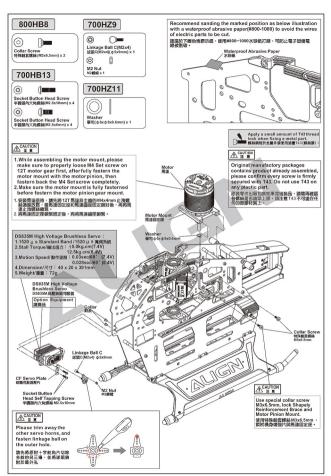


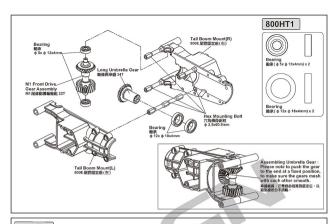


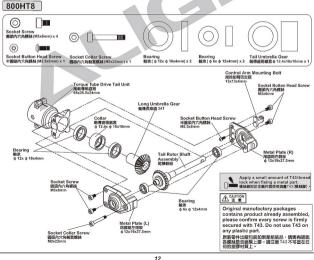


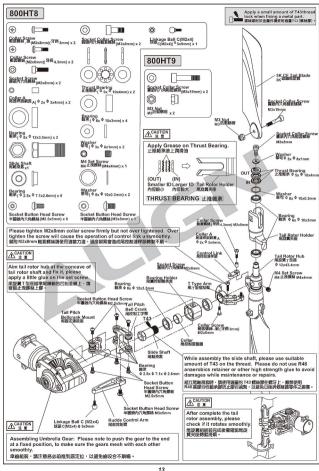


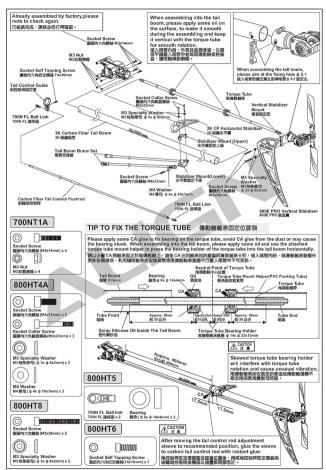


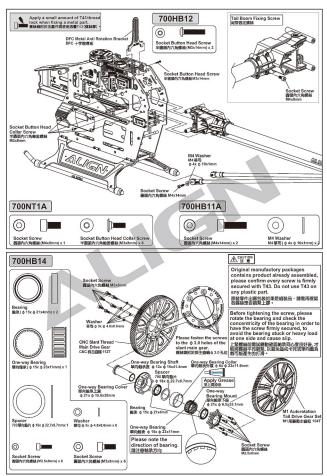


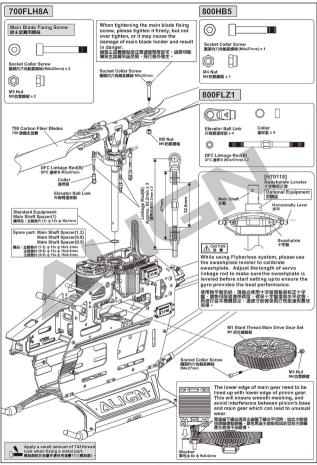














A CAUTION

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。請注題 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.

更多詳細的設定操作說明請至官網下戴專展下載。 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-LED 燈 紅色閉鄉

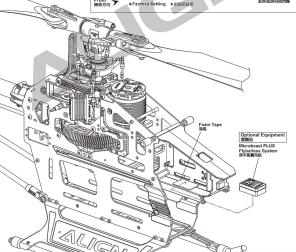
Front 機頭方向フ

Status-LED 499T65

Status-LED 燈藍色開煙 * 34.05.05.19.05

Status-LED (RM) 65

Status LFD Flashing Red/Blue Status-LED 億 紅色/新色回路/四個

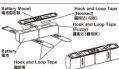






Please fix the 2 batteries on the battery mount evenly.

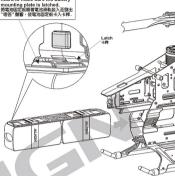
2 题雷池疆平均因定於雷池板上。

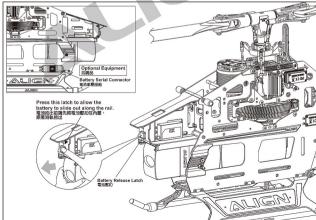


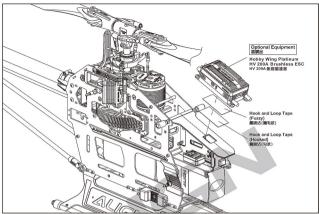
INSERT THE BATTERY FROM THE FRONT 電池從前方置入

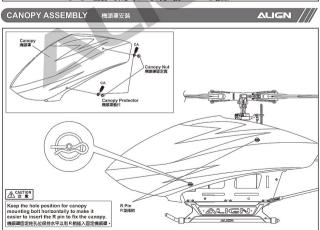


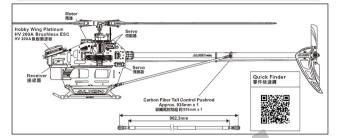
Slide the battery mounting plate along the rail until a "click" is heard to make sure the battery











MICROBEAST PLUS FLYBARLESS MANUAL 無平衡

無平衡翼系統使用說明

ALIGN

ALIGN helicopter must equip with Flybarless System, please refer to ALIGN Helicopter standard equipment for flight and setup instruction in this manual.
ALIGN helicopter 及民學學學學養好學 人名英格兰 化二甲基乙基 化氯化甲基乙基 化氯化甲基乙基 化氯化甲基乙基

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 fivbarless system to MICROBEAST PLUS HID (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 unforceseen 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、主旋翼等)。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。建築設計級使用MICROBEAST PLUS HD無平衡翼系統(運配),以能確保充足、穩定的接收器電源。
- 2.MICROBEAST PLUS/HD 使用、設定、接線、請急報 BEASTX MICROBEAST PLUS/HD 官方物組。
- 3. 任何電子配件、零件的設定、組裝、修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,每頗飛行前須注意 仔細檢查,防止機件及電子零件故障而引發不可預期的態外。

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/HD website to get the latest version and the latest news. And please refer to MICROBEAST PLUS V3.2 x. and V4.1.5 instruction manual for operating and setting.

MICROBEAST PLUS無平衡質系統・出廠特主程式為V4.2版本・您也可以連結至BEASTX MICROBEAST PLUS/HD官網查詢・随待更新最新版本 及各項書新訊息・優先的定議同時条級V3.2.x 版及V4.2版使用除明書。



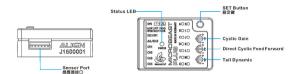
Please visit Align download area to get the completed instruction manual at Align website.

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

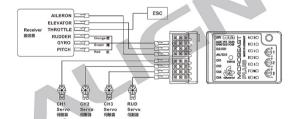


PARTS IDENTIFICATION 各部位名稱

MICROBEAST PLUS FLYBARI ESS SYSTEM 每平衡電系統



MICROBEAST PLUS FLYBARLESS SYSTEM WIRING DIAGRAM 無平衡翼系統接線示意圖





For detail connectivity, please scan QR Code then follow MICROBEASTPLUS manual. 穿絕接復方式 · 請擇攜QR Code 連結至MICROBEAST PLUS說明書

企CAUTION



Optional Equipment 質選品 MICROBEAST PLUS HDFlybarless System(Optional) MICROBEAST PLUS HD無平衡置系統(漢配)

If assembling and operating the helicopter without using ALIGN standard equipment, including electronic equipments blades..etc, pleasemake sure there is a sufficient large and stable power supply toyour helicopter. If there is any abnormal voltage or insufficient power supply, suggest toupgrade the flybarless system to MICROBEAST PLUS HD (Optional)forbetter power backup. Please referro BEASTX website for MICROBEAST PLUS HD ASSEMBLY and set up instruction.

安装、操炸您的直昇機時,如非使用ALIGN模學起件(含電子配件、主旋費等),請務的確定您的內供系系統有 足夠的供權部(力,如發地看整理後、供電子定,建國於丹後使用MICROBEAST PLUS HDI單一個實料紙(置配),以能避保死足。穩定的被使或電影。MICROBEAST PLUS HD使用、設定、接線,請參照 MICROBEAST PLUS HDI實力提明。 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.

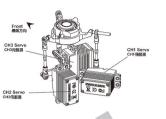
此項股常只要服政務財務,接上BEC需須用可排行操作。

此项政定六级的放驳的场,放上的EG电流即引进引乘作。 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,

請依照右屬圖示的伺服器名稱、將伺服器接到貯螺礦。



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

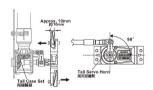
Turn off Revolution mixing/RVMX) mode on the transmitter, then set the gain switch on the transmitter and the gryn to non-head took mode, or disable gain completely. After setting the transmitter, connect the helicopter power and proceed with rudder neutral point setting. Note: When connecting to the helicopter power, please do not touch tail rudder stick and the helicopter, wait for 3 seconds for gry to cenable, and the rudder serve hom should be 90 segrees to the fails serv. Tail plich is lider 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 70%.

發射器內於標識設定請隔部報注起控模式,並將發射器上的應該開開與於理論切至"非談定模式"或將的機值應該期間。發射器設定完成後接上直昇機電源,即可 進行機能中止核設置,注意:審接上直昇機電源時級的整新線的搭架核機機機。 待多的經線機構模元後,結局被構得风度。 作禮者於風機能的中間行言,即過程過程的立て誘致性。 的定字或法,引起等"節度權之",最勞動;193.4年,最勞動,193.4年,

TAIL NEUTRAL SETTING 尾中立點設定

After the gyro is enableand under non-head lock mode, correct setting position of tail servo and tail pitch assembly is as photo. If the tail pitch assembly is not in the middle position, please adjust the length of rudder control rod to trim.

陀螺機開機後,在非鎖定模式下,尾向服務與尾 Pitch控制組正確繼置 位置。若尾 Pitch控制組未置申時請衷整尾控制連桿的長度來修正。



HEAD LOCK DIRECTION SETTING OF GYRO 胶螺镰鎖定方向粉定

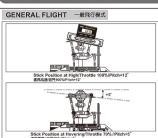
To check the head lock direction of gyro is to move the tail clockwise and the tail servo horn will be trimmed counterclockwise. If it trims in the reverse direction, please switch the gyro to "REVERSE".

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,反向時請切換陀螺懷上"鎖定反向"開關修正。



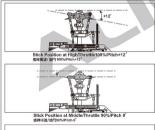


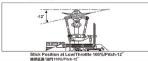
Trim Direction For Tail Serve Horn.





3D FLIGHT 3D 特技飛行模式





Acaution 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.
- 1. 螺距 (Pitch) 總行程約 ± 15° 2. 過大螺距設定,會導致動力與飛行時間降低。 3. 動力提昇以較高轉迷的設定方式,優於螺距跟大的設定。

GENERAL FLIGHT 一般飛行模式

Throttle		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'	



Throttle Curve (Hovering Fight) 停壓模式油門曲線

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. ingure of mureau speed. This will allow for better power. 接配要領:如果使用較高轉速馬達動力建議搭配調低 Pitch,將獲得 軟圧動力效能。

IDLE 1:SPORT FLIGHT

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



Throttle Curve(Simple Aerobatic Flight) 中中教行模式治門曲線

IDLE 2:3D FLIGHT

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



RCM-BL850MX (490KV/4535) MOTOR RCM-BL850MX (490KV/4535) 無剧馬達

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,速度控制可採本公司或市售規格無例電子變速器。轉子採用高磁性材料放鐵硼精製而成,定子採用本廠NC自動鏡線與高強度樹脂成型保護,耐高溫低震 動。心軸採高硬度高鋼性軸承覷及雙 ZZ 高速精密轴承設計,且經由亞拓獨立開發設計技術,使用壽命長、效率高、耐撞不易變形、低磁槓、高效能 850 型無耐馬 速。該項前商品已通過不應技術單位,實施精密嚴格數、靜趣、超場特性、強國耐高溫磁損、準轉平衡震動及除音、負數實測飛行動應性維等全項嚴格檢測。

SPECIFICATION 尺寸規格 IIIISTRATION 接線示算網 (Unit ### :mm) Red+ # DC Power DC SS 20 FSC Rruchlece 96.1 Black-Motor 雷子提快器 • 性別無効 Throttle Signal (Receiver) 注門開號(接収機) 490KV(RPM/V) Input Voltage κV KVM 絵入雷歌 125

Stator Diameter 定子外徑 45 mm Stator Thickness 定子高度 35mm Stator Arms 砂鋼片槽數 12 Magnet Poles 磁鐵極數 Max Continuous Current 最大特德雷流 115A Max Instantaneous Current 房大阪間電流 250A(2sec) May Continuous Power 最大持續功率 51000/ Max Instantaneous Power 最大瞬間功率 11000W(2sec) Weight Approx. 570a Dimension Shaft Ø6x56.7x112.5mm 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. 由於各品陰電子變速器的馬達食動轉向不盡相同,若發生轉向錯誤時,應將馬達與電子變速器的接線任兩條對照照可。

HORBY WING PLATINUM HV 200A BRUSHLESS SPEED CONTROLLER INSTRUCTION MANUAL 無例関係器使用説明 本しばこれ

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無周調速器可透過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 下數相關資訊: 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 protroeion, 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,降低失控的可能性。
- 支持馬達最高轉速可達 210,000 RPM(2極馬達) 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,可記錄當灾飛行的最低電壓、 最高溫度資料、最大電流、標定轉速。
- 支援WIFI無線設定,通過手機調(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。
- · 且有脑漆 (RPM) 訊號輸出介面。
- 具備獨立參數設定介置,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。 具備放動保護、溫度保護、過負荷保護、電流保護等多 重保護功能,有效延長電豐使用壽命:
- BEC模組和電子調速器其他電路相互獨立,當電子調速
- 支援線上擴取、設定電設定數・查營速度曲線表(存储 模式下),升級電子調速器固件(需要ALIGN ASBOXS功能設定盒或WIFI機綱)。

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
Hobby Wing	For 700-800 Class Helicopter (Propeller: 700-800mm) 700-800級電動直升機(栗 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 閉路通路BBEC・輸出電應5V-8V可觸(調 整個度為0.1V母階)・輸出電流持續 10A・開間30A
	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 日 紅 東三色線為港門信號線: 紅、棕、黃三色線為 BEC輸出及RPM信號傳驗線		106x50x36mm/325g	For connecting ALIGN ASBOX Multifunction Programmer, WIFI module, or cooling fan. 用於連撥ALIGN ASBOX多功能設定 盒或WFI機組,可為輔助散熟風扇供 電

USER GUIDE 使田野田書

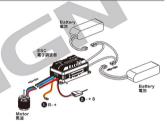


The default throttle range of this ESC is from 1100 µs to 1940 µs, so you need to re-calibrate the throttle range when the first time you use this ESC or after you replace the transmitter.

電子調速器的油門行程出廠預設值為1100 u s~1940 u s,當首次使用電子調速器或者更換其他遙控器使用時,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, plugit 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 an unoccupied channel on FBL system if the FBL system is permitted.
- Throttle Signal Wire (White/Red/Black): plugit 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 receiverand FBL system you use. The White wire is fortransmitting 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便號線(費)及BEC輸出線(紅、核):插入無平衡翼系統轉速輸入通道;(當使用外部定速時,可使用RPM便號線提供轉速借號輸入,這條節外的BEC輸出線插入接收機電池專用通道或任態空間通道。(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。)
- 9信號線(白、紅、黑):插入接收機油門通道或無平衡關系統對應通道,如VBAR系統的RX B通道,依接收機類型及無平衡關系統類型 而定。其中白線用於傳送油門信笺,而紅線和黑線分別並聯在內部BEC的輸出號(即BEC電壓輸出線和地線)

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



Turn on the

transmitter and mov-

the throttle stick to

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

進行油門行星校準時,請將油門曲線設置為NORMAL,並確保簽控器油門最高點對應的油門值為100%,油門暴低點對應的油門值為0%

the top position. 歐遙控器,將油門打到 Move the throttle stick to the bottom position. 1 second later a short beep will emit indicating the minimum throttle position has been accepted.

Connect the ESC to a battery. The motor will emit " ♪123" indicating the ESC is powered on normally. 電子調速器接電池,馬達嶋叫 >123 提示音,表示供電正常

5 seconds later the motor will emit two short beeps indicating the maximum throttle position has been successfully calibrated and accepted. 等待5秒,馬達發出"禪·彈·"雙短鳴音,表示油 門最高點校準成功

將油門搖杆推到最低,等待1秒,"嗶 "一整提示音,油門最低點校準成功

The ESC will keep beeping indicating the number of LiPocells 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. 馬達將繼續鳴叫提示當前經電池數(長音嗶—表示5,短音嗶-表示1,例如:12S經電池將鳴叫"嗶—嗶—嗶-嗶----) The motor will been a long beep to indicate the calibration is completed. the power system is ready to go. 馬達鳴叫"長音暉一"代表校準成功,系統準備就終,可服時認為



PLEASE PRACTICE SIMULATION FLIGHT BEFORE REAL FLYING 祭行前請事先熟練露際維粹飛行

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.

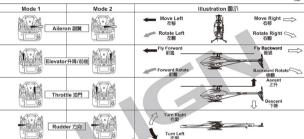
- 1. Place the helicopter in a clear open field (Make sure the power OFF) and the tail of helicopter point to yourself. 2. Practice to operate the throttle stick (as below illustration) and repeat practicing
- "Throttle high/low", "Aileron left/right", "Rudder left/right", and "Elevator up/down"

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。

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,實到手指可熟練的控制各國動作及方向。

 將直昇機放在空躔的地方(確認電源為關閉),並將直昇機的機區對進自己。 2.接雪操作逐校悉的各樣提(各動作的操作方式如下屬),並反應接雪沖門高/低、颠豐左/右、升降舱前/卷及方向舱左/右操作方式。



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.

○再次確認→螺絲是否鎖因?
○請射器和接收器雷池易否定面。

企CAUTION 注意

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. 假使飛行場有其他震控飛機,清確認他們的發率,並告知他們愿正在使用的發率,相同的發率會造成干擾等致失控和大大地增加風線。

STARTING AND STOPPING THE MOTOR **啟動和停止馬漆**

ON! Step2

接上直显勝雷源

A 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頓塞的使用,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. 44-88 6V 88-bit 5%



Check if the throttle stick is set at the lowest position

確認油門搖桿是在最低的位置。 Mode 1 Mode 2 @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。



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



Connect to the helicopter power





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

將直升機黨於柔軟地個上,建儲硬地起飛腳架裝上避震驗圈。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,影響無平衡質系 統升空前過度修正。

Rubber Skid Stoppers

Installed 恭上辦業勢關





A CAUTION 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.

直昇機觀地前,十字盤可能因Gyro受棄動的反顧,使十字盤有類斜的情形,此時論勿刻意將十盤修正為水平狀態,此現象只要離地升空時立部解除,可平陽升空,若如服第十字盤修正為水平時,反而會造成服應器過度修正,一點此即最往修正方向的危險。

MAIN ROTOR ADJUSTMENTS 丰複聲變逐平衡調整

- 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.
- 3. 服務前先在其中一支主旋翼的翼端,贴上有颜色的贴紙或畫上颜色記號,方便雙乘網整辦號。
 2. 惺慢的推起油門搖桿到高點並且停止,在飛機雞開地面前,從飛機側邊觀察主旋翼轉動。
- 。"其實的是在din 1967年時間的正日子正。"在"Notalian Ball",近代於阿羅斯尼王尼其特別。 3.仔細觀察旋翼軌鎖(假如兩支旋翼移動都是相同軌路,則不需要調整,可是如果一支旋翼較高或較低產生"雙獎"的情形時,則必須立刻振整軌刻)。
- 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.旋臂轉動映吸高軌節的主旋臂表示螺距(PITCH)過大・請詞短DFC連桿距修正・
- b.設質轉動時輕低軌跡的主旋翼表示螺距(PITCH)過小,請問根DFC連样頭修正。

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. 45-6° when hovering.

不正確認度算過過學因素息,每不直接過度影響。 经股票均衡增压槽 *

在膦醛軌跡後,確認一下Pitch角度在停旋時產為大約+5~6°。

主制能机即使,推断一下Pitcn用接任停促制能而入机+5~6。



FLIGHT ADJUSTMENT AND NOTICE 飛行調整與注意

O FORBIDDEN M II¹



@Do 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 improse assembly or any unforeseen danapers.

◎嚴禁用手抓取運行中的直昇機,並禁止將直昇機對審根請,當主旋買轉動後,或起飛/試飛椅,務必適瀨降發物,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稅階,而引望不可預期的財物及人員損傷。

A CAUTION 注意

@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.

◎確認鄰近地區沒有人和障礙物。
◎為了飛行安全,您必須先確認停務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. 嚴禁無數據規均執行經論者提均執行。

STEP 1 THROTTLE CONTROL PRACTICE 油門控制練習

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

○常直显機即於額地前, 慢慢路低油門將飛機路下。•持續練習飛機從地面 上4新下降市到市場場油門均衡規順。





STEP 2 All FRON AND FI EVATOR CONTROL PRACTICE 副翼和升降控制練習

1. Raise the throttle stick slowly.

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







- 1 MR /RR SL #0 Yo 88 16 18 a
- 2. 使直昇機依指示: 移動向後/向前/向左/向右,慢慢的反向移動副聲和 升級推提並將直置機關回到原來位置。

CAUTION

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 If the helicopter flies too far away from you, please land the helicopter and move your position behind 10M and continue practicing.

○常有显频排码值终转,请降低油四单目除售,然多移動自己的位置到有星期的正多方10公尺重接销售票。 ○假如直昇機飛離你太遠,請先降落直昇機,並到直昇機後10公尺再繼續練習。

STEP 3 RUDDER CONTROL PRACTICING 方向舵操作練習

- 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.慢慢升起油門採桿=
 - 2.將直昇機模頭移動左或右,然後慢慢反向移動方向能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,在地上畫圈圈並在這個圈圈的範圍內練習飛 行,以娩加积极控的准確度。

○You can draw a smaller circle when you get more familiar with the actions.
○當你更加營債操作動作,你可以盡更小的圈圈。



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. 當你覺得STEP1~4動作熟悉了,站在面對直昇機到適並繼續練習STEP1~4。之後,站在直昇機機頭右邊重複步眼練習。















	Problem 狀 況	Cause 原 因	Solution 對 策	
Blade Tracking 雙槳平衡	Tracking is off 雙築	Pitch linkage rods are not even length PITCH連桿長度調整不平均	Adjust length of DFC ball link. 調整DFC建桿菌長度	
	Headspeed too low 主政資際銀信	Excessive pitch 主旋翼約PITCH偏离	Adjust DFC ball link to reduce pitch by 4 to 5 degrees. Hovering headspeed should be around 1700~1800RPM. 調整DFC建學經濟提供Pitch的 4-5號 (停煙的主旋實際為約1700~1800RPM)	
Hover		Hovering throttle curve is too low 伊想點注門無較過低	Increase throttle curve at hovering point on transmitter (around 60%) 類高停煙動油門曲線(約60%)	
停懸	Headspeed too high 主使異轉速偏高	Not enough pitch 主旋翼約PTCH循션	Adjust DFC ball link to increase pitch by 4 to 5 degrees. Hovering headspeed should be around 1700-1800RPM. 類整DC是被閱稿等Pitch0+4-5级 (伊根拉正波舞陶為到7700-1800RPM)	
		Hovering throttle curve is too high 停懸點注門無線過高	Decrease throttle curve at hovering point on transmitter (around 60%) 開送停壓監測門曲線(約60%)	
	Drifting of tail occurs during hovering, or delay of rudder response when centering rudder stick. 李絲和度單向某一番攝影,或隨動方向的 社会回答中过起時,用度產生起源,無法 停頭在所控制位置上。	Rudder neutral point improperly set 尾中立點設定不當	Reset rudder neutral point விலக்ஷ்ஸ்	
Rudder Response 尾舵反應		Rudder gyro gain too low 尾舵陀螺谟感度偏低	Increase rudder gyro gain 增加尾舵陀姆镇感啶	
	Tail oscillates (hunting, or wags) at hover or full throttle 伊懸奴全油門朗尾賢左右來回搭覆。	Rudder gyro gain too high 尾舵陀螺镇感度偏离	Reduce rudder gyro gain 降低尾舵陀姆嶺鄉援	

If above solution does not resolve your issues, please check with experienced pilots or contactyour Align dealer. ※在徵完以上關整後,仍然無法改善情況時,應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.

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Good Flying!

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http://www.align.com.tw/multicopter-en/mr25/





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ALIGN Youku

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



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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/犀旋豐直徑:301mm

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

