

# 150MT-TAIL MOTOR USER MANUAL

尾馬達說明書

ALIGN

## RCM-BL150MT TAIL MOTOR RCM-BL150MT尾馬達



This new Brushless motor developed by the ALIGN POWER R&D TEAM, is packed with the latest, cutting edge technology available today. It features exceptional levels of high-torque power. The 150MT utilizes an 8-pole outrunner stator-rotor and unrivaled Ndfeb extra strong magnets that traditional magnets cannot compare to. Also included is a high temperature, wear-resisting, low friction, double ZZ high efficiency bearing. The 150MT will be the most revolutionary motor operating on low current amperage, and delivering high torque to RC models.

由亞拓動力團隊獨家研發出新款的無刷尾馬達，具有給高扭力特色，採用9種矽鋼片，6極外轉子以及傳統磁鐵無法比擬的雙磁極磁鐵，搭配高週率的雙ZZ超高效能精密軸承設計，電流低、扭力強，將是下一代動力系統最具代表性的新產品。



Please visit Align download area to get the completed instruction manual at the Align website, <http://www.align.com.tw/trax150-en/> 完整的說明書請至官網下載專區下載。



(Unit單位:mm)

## FEATURES 特性說明

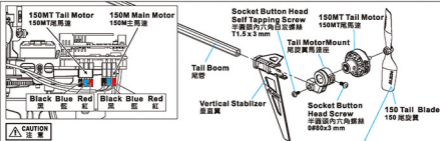
1. The 150MT Tail motor armature had a special balance adjust to improve the serious shaking problem.
2. Maintenance free, high torque, high efficiency, stable and quiet.
3. High-speed ball bearings, powerful magnetic outrunner rotor.
4. Suitable for T-REX 150X helicopters.

1. 150MT尾馬達轉子特別調特殊平衡校正，改善一般無外殼外轉馬達平衡不佳，易產生嚴重震動的缺失。
2. 免保養、高扭力、高效率、低噪音、低過熱、控制穩定。
3. 高速滾珠軸承、高磁通外轉子。
4. 適用T-REX 150X。

## SPECIFICATION 尺寸規格

KV	KV值	8000KV(RPM/V)	Input Voltage	輸入電壓	2S
Stator Diameter	定子外徑	11 mm	Stator Thickness	定子厚度	3mm
Stator Arms	矽鋼片槽數	9	Magnet Poles	磁鐵極數	6
Dimension	尺寸	Shaft 軸 $\phi$ 1.4x $\phi$ 13.7x18mm	Weight	重量	Approx. 約 3.3g

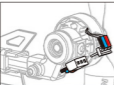
## ILLUSTRATION 接線示意圖



CAUTION 注意

For 150 Tail Blade assembly, make sure to keep "ALIGN" mark face toward 150MT Tail Motor. Wrong direction installation will cause abnormal tail lock performance.

安裝150尾旋翼時，請將印有ALIGN字樣的正面向150MT尾馬達；尾旋翼安裝方向錯誤，會造成尾槳鎖死異常。



CAUTION 注意

Standalone socket design makes the replacement much easier. While assembling 150 MT tail motor, make sure the motor cable connect to the right color port, red to red, blue to blue and black to black. For wrong motor cable color connection, it will lead the motor rotating in the wrong direction.

獨立式插座設計，讓替換更輕鬆簡單。安裝150MT尾馬達接線時，馬達線顏色必須對應正確，紅色對應紅色、藍色對應藍色、黑色對應黑色。顏色對應錯誤，會造成馬達轉向錯誤。