

A6B RECEIVER USER MANUAL

A6B 接收機使用說明書

ALIGN

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INTRODUCTION 前言

A6B Receiver is bidirectional receiver especially for fixed wing/ gliders/helicopter, adopted AHFSS 2A and omnidirectional antenna which has powerful anti-interference function. A6B Receiver is supports 6 channels of PWM signal output and 14 channels of A.BUS signal and voltage detection interface. Also, A6B Receiver is provided with two receiver mode, divided 6 channels of PWM into CH1~CH6 or CH9~CH14 to make receiver more flexible and convenient in usage. The A6B Receiver is compatible with the ALIGN A10 transmitters.

A6B是一款專用於固定翼/滑翔翼/直昇機的雙向接收機，採用AHFSS 2A並使用全向雙天線，具有超強的抗干擾功能。支援6個通道的PWM信號輸出與14個通道的A.BUS信號及電壓檢測接口。另具備兩種接收模式，可將6個PWM通道分配為CH1~CH6或者CH9~CH14，讓接收器的使用更加彈性方便。A6B接收器可適用於ALIGN A10遙控器。

[HERA6B01]
A6B Receiver
A6B接收器



2.4GHZ TELEMTRY

IMPORTANT NOTES 重要聲明

R/C helicopters, including the A6B Receiver are not toys. R/C helicopter utilize various high-tech products and technologies to provide superior performance. Improper use of this product can result in serious 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 seller assume no liability for the operation or the use of this product. This product is intended for use only by adults with experience flying remote control helicopters at a legal flying field. After the sale of this product we cannot maintain any control over its operation or usage.

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.

A6B接收器並非玩具，它是結合了許多高科技產品所設計出來的休閒用品，所以商品的使用不當或不熟悉都可能造成嚴重傷害甚至死亡，使用之前請務必詳讀本說明書，勿輕忽並注意自身安全。注意！任何遙控直昇機的使用，製造商和經銷商是無法對使用者於零件使用的損耗異常或組裝不當所發生之意外負任何責任，本產品是提供給有操作過模型直昇機經驗的成人或有相當技術的人員在旁指導於當地合法遙控飛行場飛行，以確保安全無虞下操作使用，產品售出後本公司將不負任何操作和使用控制上的任何性能與安全責任。

作為本產品的使用者，您，是唯一對於您自己操作的環境及行為負全部的責任之人。

We recommend that you obtain the assistance of an experienced pilot before attempting to fly our products for the first time. A local expert is the best way to properly assemble, setup, and fly your model for the first time. A6B Receiver 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 our distributors for free technical consultation and parts at discounted rates when you experience problems during operation or maintenance. As Align Corporation Limited has no control over 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.

模型商品屬於需高操作技術且為消耗性之商品，如經拆裝使用後，會造成不等情況零件損耗，任何使用情況所造成商品不良或不滿意，將無法於保固條件內更換新品或退貨，如遇有使用操作維修問題，本公司全省分公司或代理商將提供技術指導、特價零件供應服務。對使用者的不當使用、設定、組裝、修改、或操作不良所造成的破損或傷害，本公司無法控制及負責。任何使用、設定、組裝、修改、或操作不良所造成的破損、意外或傷害，使用者應承擔全部責任。

This product complies with low-power radio wave radiation of the provisions of motor management :

- Article 12: Without permission granted by the DGT, any company, enterprise, or user is not allowed to change frequency, enhance transmitting power or alter original characteristic as well as performance to a approved low power radio-frequency devices.
- Article 14: The low power radio-frequency devices shall not influence aircraft security and interfere legal communications; If found, the user shall cease operating immediately until no interference is achieved.
- The said legal communications means radio communications is operated in compliance with the Telecommunications Act. The low power radio-frequency devices must be susceptible with the interference from legal communications or ISM radio wave radiated devices.

本產品符合低功率電波輻射性電機管理辦法：

- 第十二條：經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。
- 第十四條：低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。
- 前項合法通信，指依電信規定作業之無線電信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Warning: changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

The distance between user and device should be no less than 20cm.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

USAGE PRECAUTIONS 使用注意事項

- After the linking is done, please cycle receiver power and check if the receiver to be linked is really under the control by the transmitter to be linked.
- Please do not perform the linking procedure with motor's main wire is connected as it may result in serious injury.
- To ensure signal reception quality, please make sure to keep electronics governor and other metal parts away when installing receiver.
- 完成對頻後，請重開接收器電源，並確認接收器是否與遙控器完成正確對頻。
- 在對頻的過程中，請勿將馬達主電源接上，馬達可能會意外運轉造成嚴重傷害。
- 為確保訊號質量，安裝接收器時請盡量避開電子調速器及其他金屬零件。

RECEIVER SETUP INDICATORS AND LED INDICATION 接收器各部位名稱及指示燈號

The status indicator shows current battery voltage and work status of the receiver.

狀態指示燈用於指示接收器電源以及工作狀態



LED Off 燈號熄滅	Power disconnected. 接收器電源未連接
Red Solid Light 紅燈恆亮	Power on and working. 接收器已連接電源，並正常運作。
Fast Flashing 快速閃爍	Binding 接收器處於對頻狀態。
Flashing Slowly 慢速閃爍	The pairing transmitter is off or loss of signal. 已配對的遙控器未開機，或訊號遺失。

A6B RECEIVER SPECIFICATIONS A6B 接收器規格說明

Channel (PWM) 通道數量	14 channels	Power 電源標準	4.0~8.4V DC
RX Sensitivity 接收機靈敏度	-105dBm	Receives Distance 接收距離	In open space without interference < 1000 meters 空曠無干擾空中距離：< 1000 米
RF Range 頻率範圍	2.4055 ~ 2.475 GHz	Dimension: (L x W x H) 尺寸	46.7x25.5x13.6mm
System Mode 系統模式	2.4G system: AHFSS 2A	Certificate 認證	CE,FCC