

B6M 2 IN 1 VOLTAGE REGULATOR INSTRUCTION MANUAL

B6M 2合1降壓器安裝使用說明書

ALIGN

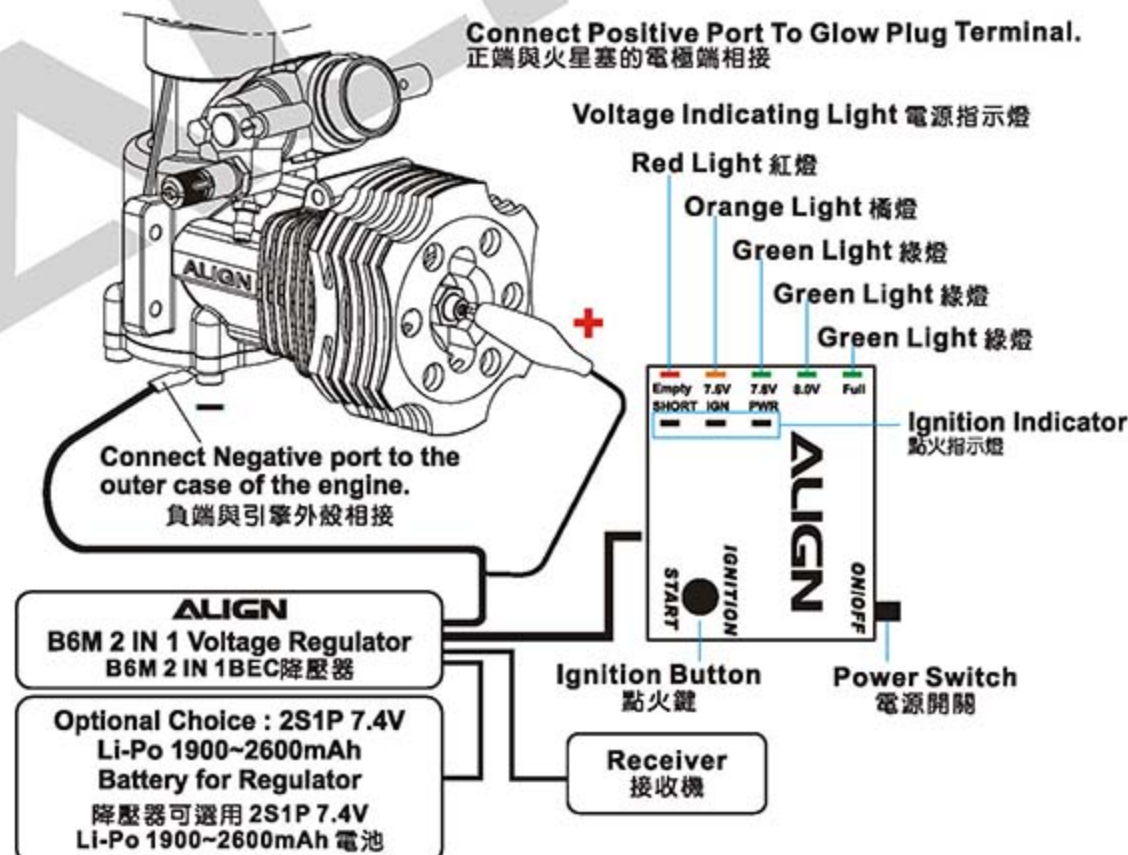
FEATURES 功能說明

1. Due to the unique 2 in 1 design, the regulator's functions provide power to the receiver, servos, and the internal glow plug ignition system that does not require you to remove the clip lead.
 2. The linear regulator design results in no interference to the receiver. The required input power may only consist of a 2 cell Li-ion or a Li-Poly battery.
 3. When the integrated power switch is moved to the on position, the voltage indicating LED's and Ignition indicating LED's will illuminate displaying the status of the battery voltage, and of the plug ignition function.
1. 獨特的二合一設計，除了具備(BEC)降/穩壓系統，以提供接收器與伺服器電源的功能外，還內建一組火星塞的點火裝置，省去傳統電夾插拔的麻煩。
 2. 本產品採用線性設計，輸入電源為2CELL的Li-ion或Li-Poly電池，其優點為不會像交換式設計的BEC會產生干擾接收器的情形，免於摔機的恐懼。
 3. 具備電源開關、電壓指示燈及點火指示燈功能，可由燈號判定電池殘量與火星塞的點火狀態。

SPECIFICATIONS 產品規格/配件

Input Voltage 輸入電壓	DC 7.4V 2 Cell Lithium or Li-Poly battery DC 7.4V 2 Cell 鋰電	Output Voltage 輸出電壓	DC 7.4V(BEC) / 1.5V(Glow Plug)
Weight 重量	51.2g (including wires) 51.2g (含線組)	Max. Continuous Current 最大連續輸出電流	6A
Regulator Size 降壓器尺寸	73x32.5x13mm	Control Board Size 控制板尺寸	35x24x10mm

ILLUSTRATION 接線示意圖



RECEIVER AND SERVO VOLTAGE REGULATING FUNCTIONS 接收器與伺服機電源部份

1. The Auto-detecting voltage LED's will display a series of lights when turned on. If the entire five-light array is illuminated then the battery is fully charged. When the voltage drops below 7.6V the three green lights will turn off.

USE CAUTION : Once the green lights are no longer illuminated the battery can only be safely used for a single flight. When only the single red LED is lit, **DO NOT ATTEMPT TO OPERATE THE MODEL.** The battery voltage has been drained too low, and must be recharged before its next use.

2. 7.4V output 2 In 1 Voltage Regulator BEC must compatible with HV servos, make sure not to use 6V servos for it.

1. 本產品具電壓指示功能，當接入充飽的電池時五顆指示燈全亮，表示電池在Full電量充足狀態下；使用中當電壓降低至7.6V時(3顆綠燈熄滅)，尚可完成單趟飛行即須對電池充電或更換新電池；而如果僅亮紅燈時表示Empty電量不足，禁止再使用。
2. 二合一降壓器BEC輸出為7.4V，必須搭配高壓伺服器使用，嚴禁搭配使用一般6V輸出的伺服器。

GLOW PLUG IGNITION SYSTEM FUNCTIONS 火星塞點火器部分

1. Start by connecting the wires using the included diagram as a reference. Once completed connect the battery and move the power switch to the on position. Depress the "START" button on the control board. The green and the orange lights will illuminate. When this happens the glow plug is being ignited for a period of 15 seconds. After 15 seconds, the control board will stop igniting the glow plug. If the engine has not yet been started, the process can be repeated by simply repressing the "START" button. The ignition system is designed to automatically shut off once the engine starts running. To ensure that the system is operating properly, check to make sure that the orange and green lights have shut off once the engine starts running. In the event that the lights are still illuminated once the engine is running, it may be necessary to remove the lead clip from the engine.
2. If the orange light is not illuminated after pressing "START" then this means that the glow plug is not being ignited. Please check to see if the element of the glow plug has burned out, or if the lead clip is not properly connected to the glow plug.
3. If the Glow plug is short-circuited or the lead clip has contacted the outer case of the engine, the red (SHORT) light will be illuminated approx. 1 second after pressing the "START" button. If the "SHORT" light illuminates the system will automatically shut off the power to the output leads.

1. 依接線示意圖完成接線後，開啓電源開關，接著按下控制電路板上的"START"鍵，此時點火指示燈的綠燈與橘燈同時亮起，表示火星塞已正常點火中，每次點火時間約為15秒，15秒後自動關閉，如需再次點火時，則再按一次"START"鍵；由於點火裝置會自動關閉，所以引擎啓動後，確認橘色、綠色指示燈於15秒後熄滅，即不須將鱷魚夾移除。
2. 若按下"START"鍵時，橘燈不亮，表示火星塞未正常點火，請檢查火星塞加熱線圈是否開路損壞，或是鱷魚夾未確實夾在火星塞電極端上。
3. 如果火星塞發生短路或是鱷魚夾（電源正端）與引擎外殼接觸時，當按下"START"鍵，紅色(SHORT)指示燈會亮起，約1秒後熄滅並隨即關閉電源輸出，請檢查火星塞是否損壞或檢查鱷魚夾是否接觸到引擎外殼。

**CAUTION
注意**

Please use double-sided foam tape or hook & loop tap to fix the regulator on the helicopter. Please do not tighten the wires of regulator hard to avoid the wires loose or broken caused by the vibration during the operation of the helicopter.

請使用泡棉雙面膠或魔術沾將降壓器與直昇機固定，降壓器的各線組請勿繃緊固定，以免直昇機運轉時因震動造成接頭鬆脫或斷線。