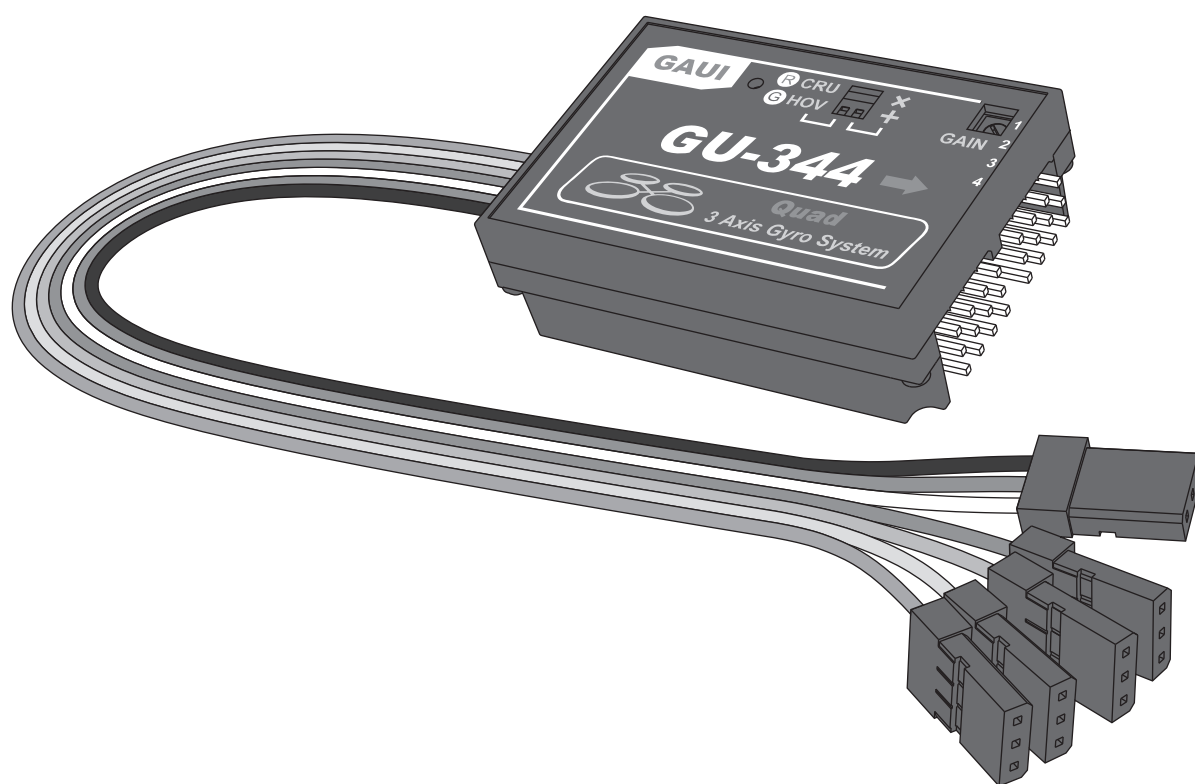


GU-344

Instruction Manual



3 Axis Gyro System for Quad Flyer

Specifications (規格資料) :

Control system : AQDCS (Active Quad Digital Control System)

Content : 3-Axis gyro

Operating voltage : 4 ~ 6V DC

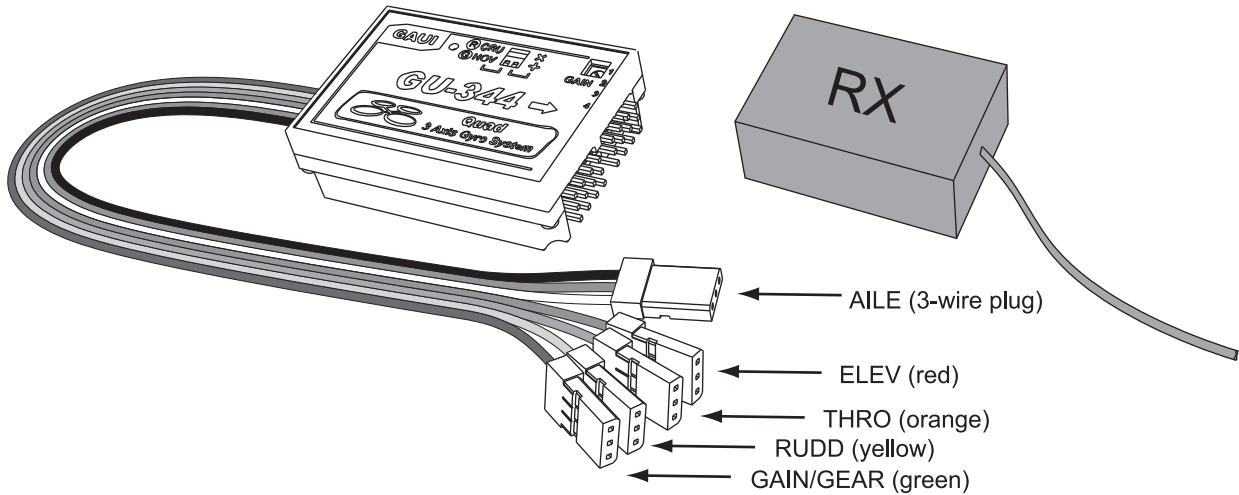
Dimensions : 44.5 x 31 x 14mm

Weight : 18 g

GAUI

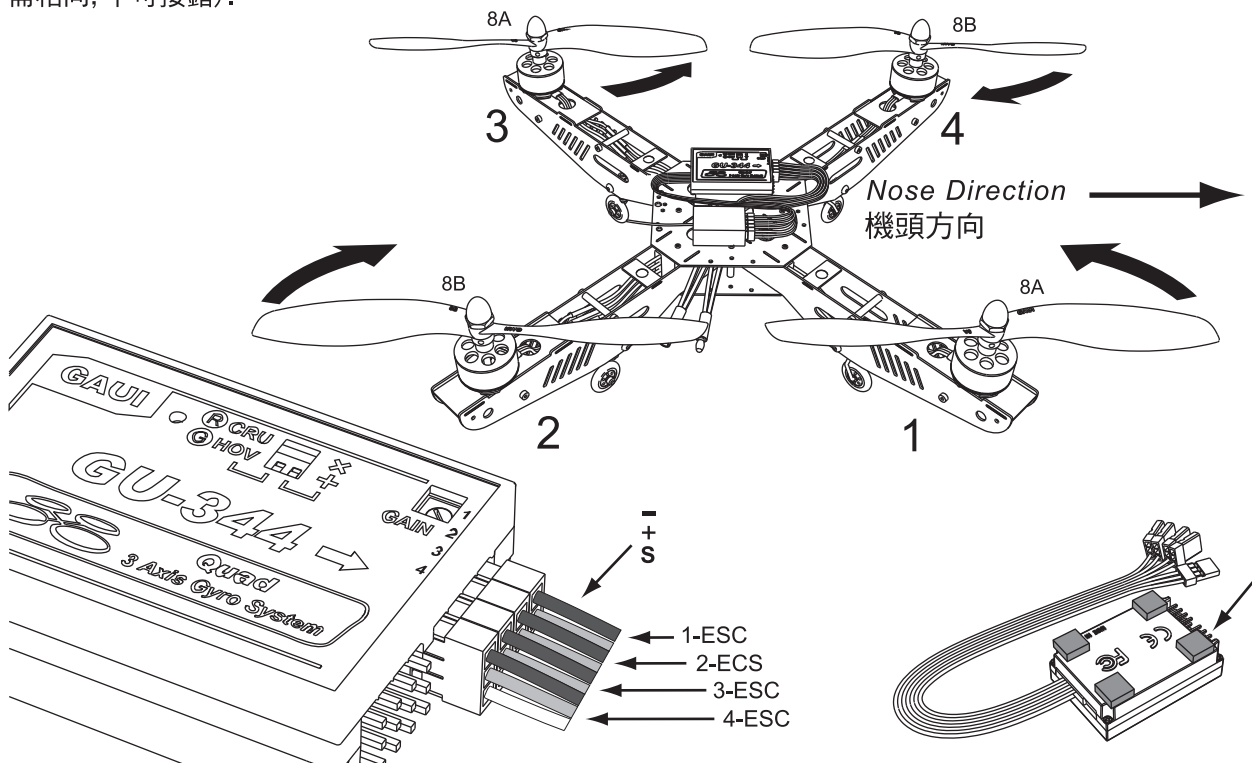
Put each signal plug of the GU-344 in receiver correctly as shown in figure below. Bypass the plug with the Green Wire if using the 4CH transmitter, the GAIN Value is able to be adjusted in Step 2 of Page 12.

將GU-344的訊號線(每一條所代表的定義如下)接到接收機上的正確位置。如果你是使用四動作遙控器，綠色訊號線則不接，GAIN的調整及模式設定就用面板上的旋鈕及開關來完成。(見系統設定篇)



Attach the sponge tapes to the bottom side of GU-344 GYRO, make sure to use the sponge tapes which come with the gyro but not use different sponge tapes for instead. Put each ESC signal plug in GU-344 correctly as shown in figure below.

將GU-344下方貼上防震雙面膠(不可用其它雙面膠替代)，並將四組ESC訊號線接在GU-344上(注意號碼需相同，不可接錯)。



1. Select the "Model Type" in transmitter function to "Airplane" before you start the setting steps below.

請先將遙控器設為飛機模式

2. Set the "Reverse function" on your transmitter properly, refer to below diagram for the control direction of each channel for different transmitter brands or check each channel practically to switch each reverse function correctly.

飛行前請先了解你所使用遙控器廠牌, 先設定命令值的正反向。(若不知道也沒關係, 經過實際測試後再設定也可以)

	GAUI	Futaba	JR	Hitech
AILE	NOR	NOR	REV	NOR
ELEV	NOR	NOR	REV	REV
THRO	REV	REV	NOR	NOR
RUDD	NOR	NOR	REV	NOR

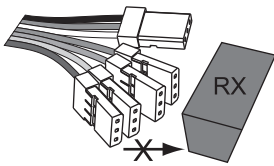
NOR - 正向指令 Normal

REV - 反向指令 Reverse

3. Gain Value Setting, it is different that put the green wire plug in receiver or bypass it.

接下來請確認GU-344的綠線端子(Gain值設定)有沒有接到接收機上, 它的差異處如下:

a. Bypass 不接



* Set the Gain Value by trimmer "A", it is recommended that set the "Trimmer A" to 90 degrees from the minimum value for initial setting.

Gain值由旋扭A調整(標準值約在最小值旋開90度左右, 如圖)

* The Gyro come with 2 built-in flying modes, it is recommended to set the GU-344 at cruise mode "CRU" ("Switch 1" at Top Position and the LED will light in RED) for initial setting (The control of 330X will be similar to normal helicopter in this condition). The hover mode "HOV" ("Switch 1" at Bottom Position and the LED will light in GREEN) is for beginner to practice in hovering.

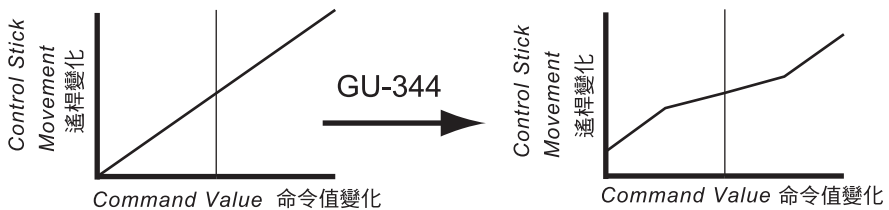
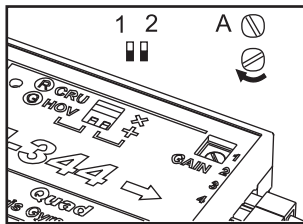
飛行模式由開關1調整, 建議開關向上 (CRU) 此時燈號為紅燈, 此模式與直升機雷同, 你也可以嘗試用HOV的模式飛行, 兩者的感覺不相同。

* The Gyro come with 2 built-in Nose Directions, refer to page 15 for setting the Nose Direction you need.

開關2為45度與0度選擇, 請把開關向上。至於它的功能請見變更機頭方向篇。

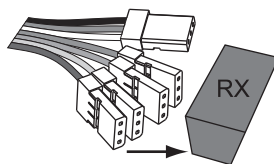
* The GU-344 will change the "Command Value" of control sticks into the right figure below for beginners if the green wire plug is bypassed.

綠線不接時, GU-344會自動將搖桿的命令值變為如下圖右方的曲線以符合初學者飛行。



b. Put the plug (green wire) in receiver

接上綠線



* Put the plug (green wire) in receiver GEAR CH (or the Channel that come with On / Off Switch), the "Flying Mode" and the "Gain Value" are only able to be set on transmitter GEAR CH (or the Channel which connected to the green plug). The "Flying Mode" is able to be selected by the On / Off Switch and be indicated by the lights of the monitor LED (RED for the cruise mode "CRU", and GREEN for the hover mode "HOV"). It is recommended to set it at cruise mode (The LED lights in RED) for initial setting (The control of 330X will be similar to normal helicopter in this condition). It is able to set the "Gain Value" by the function "Travel Volumn".

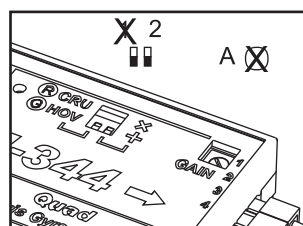
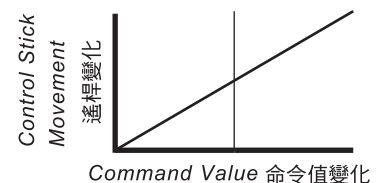
The recommended initial setting of the "Gain Value" is about 50% for each flying mode. Set the value of "End Point / Travel Adjust" for 50% at "Switch On" position and set 50% value at "Switch Off" position then adjust them by increasing or decreasing each value after flying test.

將綠線接到接收機的GEAR CH (或接到其它附有ON/OFF開關的頻道), 此時飛行模式及Gain值皆由遙控器的GEAR CH (或已連接的ON/OFF開關的頻道) 來做調整, 飛行模式是由你所選擇的頻道開關之上下 (ON/OFF) 來做區別, GU-344的燈號會顯示所代表的正確模式 (紅燈表示巡航模式 "CRU", 綠燈表示停懸模式 "HOV") 建議先用巡航模式 (紅燈) 測試, Gain值調整則為模式下的數據變化, 各飛行模式下的初始Gain值可都先設定在50%左右, 也就是設定 "Switch (Gear) ON" 的伺服機行程量50%, "Switch (Gear) OFF" 的伺服機行程量50%, 再依實際飛行狀況增減。

* The "Switch 1" and "Trimmer A" are disabled after the plug (green wire) was put in receiver. 接上綠線, 開關1及旋扭A已無作用。

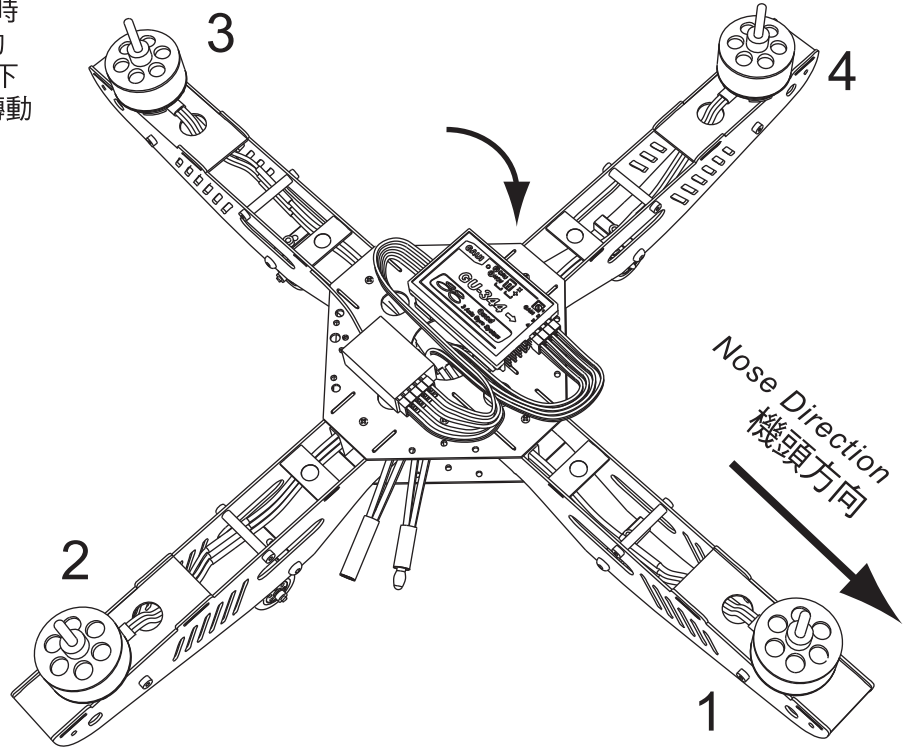
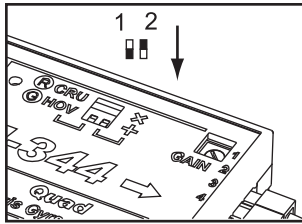
* The GU-344 will not change the "Command Value" of control sticks in this condition, set the Command Value of Control Sticks properly by the "EXP" setting on transmitter function.

指令值不做改變, 調整請由遙控器的EXP曲線設定。



Change the mounting position of the GU-344 Gyro by reattach it 45 degrees clockwise to make the arrow on the GU-344 name plate toward to motor #1 as shown in figure below, set the "Switch 2" to the down position and simply finish the new setting of Nose Direction. The motor numbers and operating direction of motors and props will not be changed after setting.

若要將機頭方向改為0度,此時只要將GU-344轉45度(面板的箭頭為前方)並將開關2撥向下即可,動力的編號及螺旋槳轉動的方向皆不變。



After checking all movements of the 330X are controlled correctly by control sticks, move the "THR" stick a little bit upward until the 330X hovers over the ground for 30 cm, if it shakes or wags in hovering, decrease the "GAIN VALUE" properly to make it stable. Refer to Page 12 for the Gain Value Setting.

(Below figure indicates the "THR" control stick of the "MODE 1" transmitter)

指令無誤後,接下來將油門再往上一些,讓330X離地約30公分,若發現機體有抖動現象時,請將GAIN值調小到不會晃動為止。(GAIN的調整見系統設定篇)

