



1/8 SCALE ELECTRIC POWERED RACING KART 1:8 電動方程式卡丁賽車



The contents are subject to change without prior notice due to product improvements and specification changes.
本套件所附之零件可能跟圖示有所差異。因產品後續之設計研發或功能不斷改善之原因，我們將保留產品規格變更權力，不再另行通知使用者。

Instruction Manual 操作說明書

WARRANTY 品質保證事項

Thunder Tiger Corporation guarantees this model kit to be free from defects in both material and workmanship. The total monetary value under warranty will in no case exceed the cost of the original kit purchased. This warranty does not cover any components damaged by use or modification. Part or parts missing from this kit must be reported within 60 days of purchase. No part or parts will be sent under warranty without proof of purchase. To receive part or parts under warranty, the service center must receive a proof of purchase and/or the defective part or parts. Should you find a defective or missing part, contact the authorized Thunder Tiger Service/Distributor nearest you. Under no circumstances can a dealer or distributor accept return of a kit if assembly has started.

本公司對於製造過程中產生之瑕疵，負完全品質保證責任。

保證事項僅限於產品本身與隨產品所附之零配件。

品質保證不包含下列事項

因使用、組裝或調整本產品所發生之損壞。

其他所有非產品本身品質所造成之損壞。

Introduction 前言

Thank you for purchasing this Thunder Tiger product. This manual contains the steps and instructions required to assemble your car. Please read this manual completely before attempting to start maintenance. Follow the directions in this manual closely to reduce problems during operation. We offer online help on our www.acehobby.com or www.thundertiger.com and forums and our product specialists are ready to take your call if you have any technical questions. Have fun and enjoy the exciting world of R/C.

感謝您購買雷虎科技 KT8 RACING KART 電動方程式卡丁賽車。雷虎科技一向以提供最高品質的產品及服務作為持續努力的目標，並藉由參與競賽及反覆測試產品，不斷累積經驗，進而提升設計及製造品質，期望能呈現給您最頂級之工藝產品。本使用說明書包含了組裝及維修本產品前所須注意的重要事項，建議您在開始組裝及維修本產品之前，能詳閱此說明書，並熟悉本產品之組裝步驟及維修程序。若是您在產品的使用上有任何的疑問，歡迎多加利用我們所提供的24小時諮詢留言版或洽詢雷虎科技授權經銷商。雷虎科技的全球英文網址為 www.thundertiger.com，我們將竭誠為您服務！

CAUTION 注意事項

1. This product is not a toy. It is important to familiarize yourself with the model, its manual, and its construction before assembly or operation.
2. Always keep this instruction manual for your assembling and operating reference.
3. Do not operate model products in rain, on public roads, near airport, or near areas with restricted radio operation.
4. This product, its parts, and its construction tools can be harmful to your health. Always exercise extreme caution when assembling and/or operating this product. Do not touch any part of the model that is rotating.
5. Use an adequate charger for the batteries and follow the instruction correctly.
6. Right after use, do not touch the motor or ESC because they may generate high temperatures!
7. Do not stall the motor. The ESC may fail if power is applied to the motor when car cannot move freely.
8. By the act of assembling or operating this product, the user accepts all resulting liability. If the buyer is not prepared to accept this liability, then he/she return this product in new, unassembled, and unused condition to the place of purchase.



WARNING: To avoid a possible fire hazard, ALWAYS unplug the battery after use. Do NOT leave your vehicle unattended with the battery plugged in.

感謝您購買雷虎科技產品，在您開始操作本產品前，請詳閱本產品說明書。

1. 本產品為高性能模型產品非一般玩具，組裝與操作過程皆須由成人陪同。請詳讀此本使用說明書，避免因組裝錯誤與操作不當造成損壞。
2. 請妥善保管此說明書，對於後續維修、操控說明將可提供您協助。
3. 請勿於雨天、公眾空間、道路、機場附近與其他限制遙控模型活動區域，操控本項產品。
4. 此項產品具有相當之危險性，於組裝、調整、操控上的不熟悉都可能造成自身或他人的傷害，當發生這些傷害事件時製造商是可以免除責任的，建議您於初次使用本產品前，先行請教具有相當程度經驗同好或是專業雷虎經銷商與模型專賣店。
5. 請使用合格之電池充電器並遵循說明書之使用規範，以免發生危險。
6. 車輛操作後，請小心誤觸碰到會產生高溫之零件部分，以避免燙傷。
7. 車輛作動時，請勿以異物強制停止馬達(輪胎)以避免電子速控器超出承載負荷而失效。
8. 如使用者對於產品品質或操作組裝上所須負擔之風險有任何疑慮，請勿開封組裝或進行操作本產品並將產品退回原購買地點。



警告！為避免因電線短路等因素而引起之可能災害，請務必於操作本產品後，將電池接頭拔除以避免可能發生之危險！請勿在電池接頭未經拔除前就將產品儲藏於無法留意之處。

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Items Required For Operation 周邊配件

Ready To Run Contents 完成車輛配備 (No.6570-F07)



3-Channel Transmitter
3動作發射機



Brushless Motor ESC
無刷馬達電子速控器



Servo
伺服機



Receiver
接收機



Brushless Motor
無刷馬達

Equipment Needed 需求配件 (Not Included 不包含在此套件中)



Charger
充電器



Battery
充電電池



AA Alkaline battery
x8 for transmitter
發射機用電池

Combo KIT Version Contents 完成套件車輛配備 (No.6570-K07)



3-Channel Transmitter
3動作發射機



Receiver
接收機



Motor ESC
馬達電子速控器



Servo
伺服機



Brushed Motor
碳刷馬達



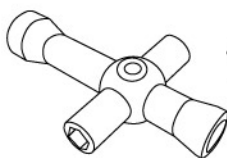
Assembly KIT 基本套件車 (No.6570-K1 / K2 / K3)

All contents are not included in the Assembly KIT Version
基本套件車版本 電子裝備需另購

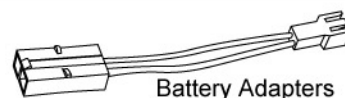
Tools Included 內附工具



Hex Wrenches
1.5 / 2.0mm
六角板手組



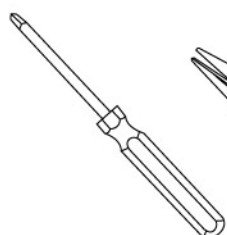
4-Way Cross Wrench
十字套筒



Battery Adapters
(for charging)
充電器轉接頭

⚠ Not included in the Assembly KIT version

Tools Required For Assembly (Not Included) 組裝維修工具



Philips Screwdrivers
十字起子



Needle Nose Pliers
尖嘴鉗



Super Glue
(CA Glue)
快乾膠



Wire Cutter
斜口剪



Thread Locking Adhesive
(Threadlocker)
螺絲防鬆膠



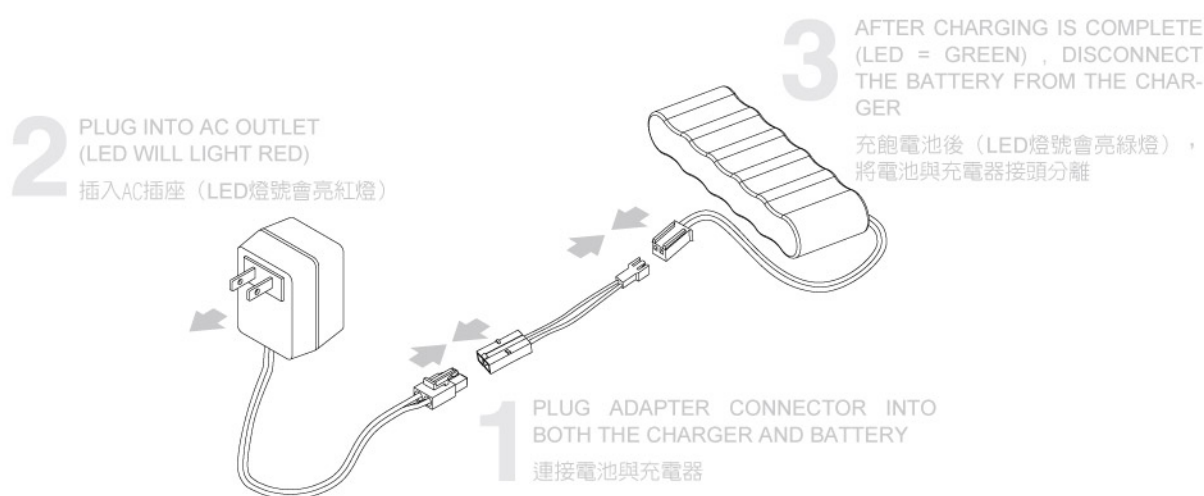
Grease
潤滑油膏 (黃油)

1 1.1 CHARGING THE BATTERY PACK 電池包充電

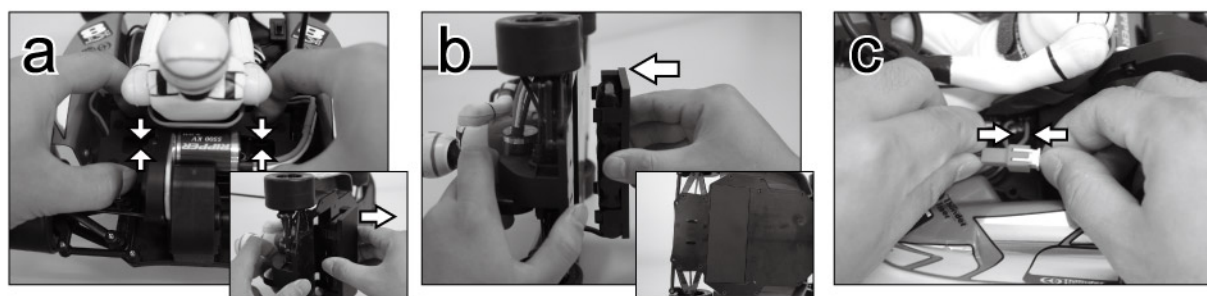
(Battery and Charger are not included in the RTR / Combo KIT / Assembly KIT version.

基本套件組/完成車套件組/完成車皆不含電池及充電器)

1. When charging the battery, first plug the adapter connector into the charger. Connect the adapter connector to the battery pack. Confirm the link between charger, adapter connector and battery pack that are properly connected in order. You can connect the charger to the AC wall outlet now.
 2. Once the charger is connected, a red LED will light up to indicate that the charging has begun. The LED will light up green to indicate that charging is completed.
 3. When finished charging, first disconnected the charger from the AC wall outlet. Disconnect the battery pack from the charger. Install the battery pack on your vehicle.
1. 準備充電時，首先將插頭轉接頭接上充電器之接頭，再連接電池之充/放電接頭，最後再插入AC電源插座。
2. 充電器插入電源插座後，LED會亮紅燈，表示電池正在充電過程中。請注意電池之充電情況。
3. 當LED會亮綠燈，表示電池充電完成。完成充電後請先將充電器與AC電源插座分離，再將電池與充電器接頭分開。

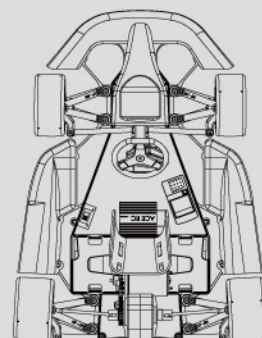
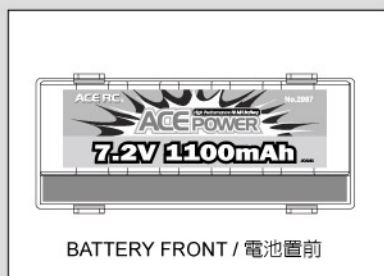


1.2 INSTALLATION OF BATTERY PACK 電池安裝



- a. Disconnect the battery connector then squeeze the battery tray tabs towards each other to allow the battery tray to slide underneath the chassis.
 - b. Place a fresh battery pack along with the foam spacer onto the battery tray then slide it up from under the chassis until the battery tray tabs lock into place. (Always install the foam spacer with the battery as this acts as a spring to keep the locking tabs in place.)
 - c. Finally, reconnect the battery connector.
- a. 拔除電池接頭，然後如圖示向內推擠電池托盤固定插銷，讓電池托盤與底板分離。
b. 更換新電池後將電池座重新插入底板固定位置直到電池托盤插銷重新固定 (須注意電池更換時需連同防震海綿一起安裝於電池托盤之上，以防止電池搖晃導致托盤易脫落)
c. 重新接上電池接頭

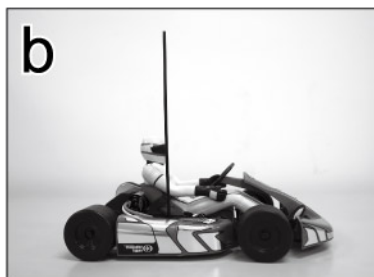
BATTERY PLACEMENT 電池重心放置



For most cases run the battery in the rearward position (foam spacer towards the front). Typically this will be the most stable and easiest to drive. Try moving the battery forward if the track surface has better traction.

一般來說將電池置於防震海綿後方將有助於增加車子循跡性，你可依場地捉地力不同進行電池重心之調整。電池置後，車子循跡性較佳。電池置前，車子循跡性較差但轉向將更靈敏。

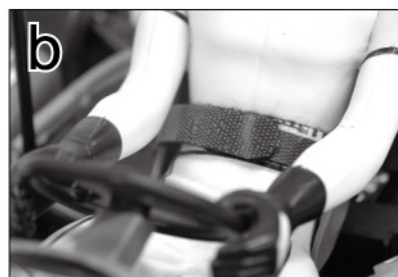
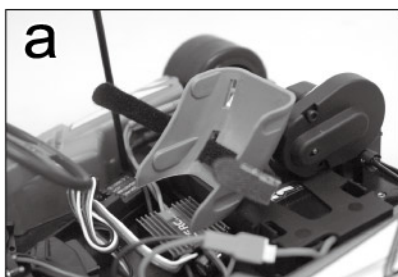
2 PREPARING THE CHASSIS 操作前，車體準備



Thread antenna wire through the tubing. (Do not cut or shorten antenna wire!)

- 將接收機天線穿套進天線管內 (請勿裁短天線以免影響接收距離)。
- 將天線開關安裝於底板固定孔上。

3 DRIVER FIGURE 人像安裝



- Thread velcro tape through the holes beside the driver's seat. Select upper holes or lower holes as you wish.
 - Put the driver into the seat and then fasten the velcro tape around the driver.
- 先將束帶穿過兩側洞口，可依需求選擇上方或下方洞口。
 - 束帶穿過兩側洞口後，將人形置入駕駛座位上，再以束帶環繞固定人形。

4 RADIO BATTERY INSTALLATION 遙控器電池安裝



- Install 8 AA-size batteries into transmitter.
- Put the battery pack inside the battery box and connect the battery to the ESC.

Caution: Check all the wirings and connections before you connect the speed control to a drive battery. Incorrect polarity will damage your speed control.

- 安裝發射機電池或電池包。
- 將開關座固定於接收機旁(如圖示)。將模型專用7.2V充電電池裝入電池盒內，連接電池與速控器。

注意！ 請注意電池與速控器接線之正負極位置（反裝電極將造成電池短路或速控器之損壞）。

5 RADIO OPERATION 遙控器操作



- When turning your system on, ALWAYS turn on the transmitter FIRST. Then, turn on the receiver.
- When turning off, ALWAYS turn the receiver off FIRST, then the transmitter.

- 先開啓發射機電源。
- 接著開啓接收機電源。電源的關閉則是相反的順序，先關接收機電源，再關發射機電源。

注意！ 操作前請先確認電池處於充飽電之狀態，以免發生失控之狀況。其他注意事項請參考發射機說明書。

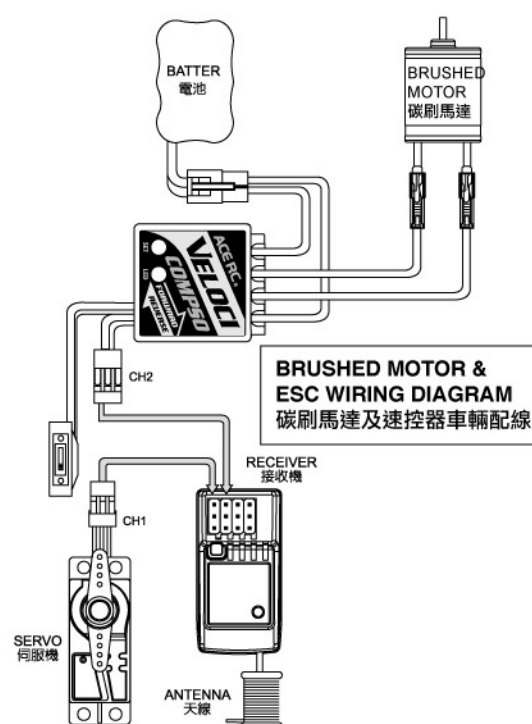
6 The ACE RC Cougar PS3 2.4GHz Radio System

熟悉2.4GHz電控系統與速控器及馬達安裝

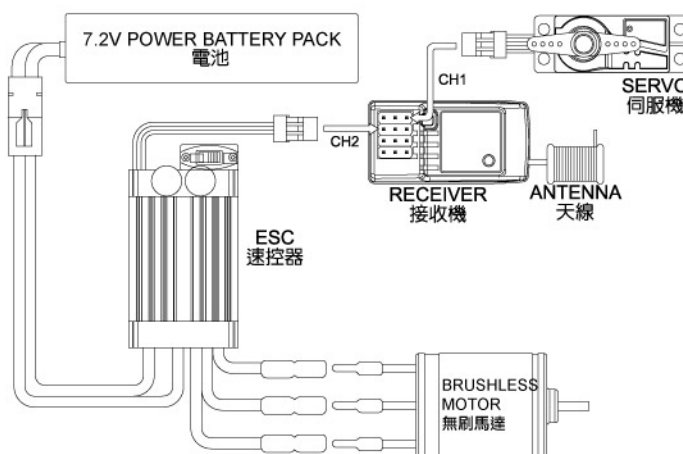


- 1 Transmitter Antenna
發射機天線
- 2 Battery Level Indicator
發射機電池電壓指示燈
- 3 HI/LO Throttle ATV (Adjustable Travel Volume)
高、低速油門行程調整鈕
- 4 Servo reversing switches
正逆轉設定裝置
- 5 Steering Trim
轉向微調鈕
- 6 Throttle Trim
油門微調鈕
- 7 Steering D/R (Dual Rates)
轉向大小動調整鈕
- 8 AUX Ch Button
第三動開關
- 9 External Charging Jack
充電孔
- 10 2.4GHz binding SW
發射模組及校頻配對設定鈕
- 11 Steering Wheel
轉向舵輪
- 12 Power Switch
電源開關
- 13 Throttle Trigger
油門控制板機
- 14 Steering Tension Adjustment
轉向舵輪調整螺絲
- 15 Battery Cover
電池蓋

MODEL WIRING DIAGRAM 電控系統連結圖



BRUSHLESS MOTOR & ESC WIRING DIAGRAM 無刷馬達及速控器車輛配線



TRANSMITTER CONTROLS

1. **Transmitter Antenna:** Straighten up the antenna before operating the model.
2. **Battery Level Indicator:** Three LEDs indicate the battery voltage level. If the Red LED flashes, please replace the batteries.
3. **HI/LO Throttle ATV (Adjustable Travel Volume):** Provides the function to let you independently preset the maximum travel of the throttle servo either side (high / low) of neutral.
4. **Servo reversing switches:** To reverse the servo's rotation direction at the flip of the switch. The reversing switches are recessed into the transmitter to prevent accidental operation.
5. **Steering Trim:** Adjusts the steering in small increments or decrements to run the model straight.
6. **Throttle Trim:** Adjusts the throttle in small increments or decrements to shift the neutral position.
7. **Steering D/R (Dual Rates):** Push this lever left or right to adjust the amount of the steering dual rate. Right to increase dual rate amount and left to decrease the amount.
8. **AUX Ch Button:** Provides an extra function for the control of the model.
9. **External Charging Jack:** For rechargeable NiCd/NiHM battery pack on the transmitter only.
10. **2.4GHz binding SW:** The Binding SW button is located on the back of the 2.4GHz transmitter. For additional details, please refer to the "Binding" setting procedure (Page 8).
11. **Steering Wheel:** Controls the steering of the model.
12. **Power Switch:** Sliding to turn the transmitter on or off.
13. **Throttle Trigger:** pulled or pushed to control the movement of the model.
14. **Steering Tension Adjustment:** Use a Phillip type screwdriver to tighten or loosen the tension of the steering wheel.
15. **Battery Cover:** Slide cover to install or remove batteries.

發射機各部功能簡介

1. **發射機天線：**操作發射機時，請將發射機天線扳直。
2. **發射機電源顯示燈：**三顆LED設計顯示發射機電池殘量，若紅色LED燈閃爍時，請更換發射機電池。
3. **高、低速油門行程調整鈕：**獨立調整高、低速油門行程量功能。
4. **正逆轉設定裝置：**於發射機背面（如圖示），控制伺服機作動方向。
5. **轉向微調鈕：**利用此旋鈕，調整設定轉向正確中立點位置。
6. **油門微調鈕：**利用此旋鈕，調整設定油門正確中立點位置。
7. **轉向大小動調整鈕：**調整轉向伺服機的行程量。
8. **第三動開關：**第三動功能開關鈕
9. **充電孔：**使用充電式電池時，可利用此充電孔，進行充電工作。
10. **2.4GHz 校頻配對設定鈕：**發射機背面為2.4GHz之BINDING SW校頻配對設定鈕，為配對發射/接收頻率之用。更多功能設定方式請參考說明書第8頁“校頻配對步驟”。
11. **轉向舵輪：**控制車輛轉向裝置
12. **電源開關：**發射機電源開關
13. **油門控制板機：**控制車輛前進或後退的裝置
14. **轉向輪調整螺絲：**使用小型十字起子調整此調整螺絲來改變轉向輪旋轉鬆緊度。
15. **電池蓋**

7 BINDING PROCESS 安全校頻配對步驟

A binding feature is included in the ACE RC Cougar 2.4GHz spread spectrum system to ensure the transmitter and receiver bind properly and prevent interference from other controllers.

To manually bind Tx/Rx, please proceed as per the following steps:

- Press and hold the "Binding SW" button on the back side of the transmitter while turning on the transmitter.
- Release the "Binding SW" button after the green LED flashes indicating the transmitter is binding.
- Press and hold the bind button on the receiver while turning on the receiver. Binding process will then start automatically. The LED will turn green/red flash on the receiver.
- Release the "Binding SW" button. Successful binding is confirmed by the binding LED changing from a quick blinking and then remain solid on the transmitter. The LED will turn green on the receiver. Once binding is complete, the system will automatically connect.

Note: Binding process may take 3~10 seconds to execute. If binding fails, the LED on the receiver will turn red. Please turn off the power and repeat the steps from a) ~d).

ACE RC Cougar PS3採用最先進的專用3動2.4GHz無限展頻遙控系統。這個系統結合發射與接收可以互動溝通模式，跳動頻道搜尋，使得整體無線遙控系統的傳輸展現精準穩定的特性同時也無須擔心頻率干擾的問題。如發現無法操控情形發生，需要重新校頻配對，請依照下列步驟重新進行校頻配對程序：

- 打開發射機電源時，同時持續按壓發射機背面之 "Binding SW" 按鈕。
- 直到按鈕旁之LED綠燈快速閃爍，再放開 "Binding SW" 按鈕，表示發射機正在進行自動搜尋校頻，此時請不要關閉發射機電源。
- 然後按壓接收機上之 "Binding SW" 按鈕並同時開啓接收機電源，此時接收機將自動進行校頻配對程序。接收機LED燈號為紅綠快速閃爍。
- 放開 "Binding SW"，一旦完成配對程序，發射機LED燈號會從綠色快速閃爍轉換成持續綠色燈號，接收機LED燈號將從紅色轉換為綠色。此時表示接收機與發射機已完成配對溝通，可以進行操控。

⚠ 注意

遙控系統校頻配對可能需要3~10秒執行程序。如果程序執行錯誤，發射及接收模組的LED燈號將持續呈現紅色。請關閉電源再依a)~d)的順序重新操作配對程序。

步驟	發射機動作	接收機動作	LED燈號
a	Switch On 開 / Push 按	No Action	—
	無須動作	無須動作	—
b	Release 放開	No Action	TX LED : GREEN FLASH
	無須動作	無須動作	TX 燈號：綠燈快速閃爍
c	No Action	Switch On 開 / Push 按	RX LED : GREEN/RED FLASH
	無須動作	LED: RED 紅 Switch on Power 開啓電源	RX 燈號：綠/紅燈快速閃爍
d	No Action	LED: GREEN 綠	TX LED : GREEN FLASH-->GREEN SOLID RX LED : RED SOLID-->GREEN SOLID
	無須動作	Release 放開	TX 燈號：綠燈快速閃爍-->綠燈恆亮 RX 燈號：紅燈恆亮-->綠燈恆亮

8 FAIL SAFE (F/S) FUNCTION SETTING 安全回復功能設定

ACE RC COUGAR 2.4GHz R/C system features a built-in Failsafe function to automatically set a servo command if the receiver loses the signal from transmitter due to interference. For safety, we strongly recommend to active the FAILSAFE function on your Cougar R/C system.

ACE RC COUGAR 2.4GHz 遙控系統內建安全回復功能，可設定當接收機因干擾或斷電而失去發射機訊號時，伺服機自動回復製預設位置。安全起見，強烈建議您務必啓用安全回復功能。

Setting up the Failsafe (F/S) Function:

- a. After binding the transmitter and receiver, you can continually set up the F/S function. Turn on the transmitter power and then receiver power.

設定此功能前請先完成系統發射與接收之對頻。確定後，先打開發射機再開接收機電源。

- b. Press and hold the "Binding SW" button on the receiver for 10 seconds. The LED will start flashing GREEN on the receiver.

⚠ CAUTION: Do not release the "Binding SW" button on the receiver until STEP C is completed.

壓著接收機對頻開關，約10秒鐘後LED會變為綠色快速閃爍。表示進入F/S設定模式。

⚠ 注意

C步驟完成前不要放開接收機對頻鍵。

- c. Move and hold the throttle trigger to the position you want the control to be in if a failsafe condition should occur. First, keep steering wheel at neutral position (steering servo at neutral position). To set up F/S function with the throttle servo position at "Brake", first push the trigger to the brake position and hold. To set up F/S function with servo position at "Neutral", keep the trigger at neutral position.

NOTE:

Always set the throttle trigger to neutral or full brake position and steering servo to neutral position in case of any unexpected control error!

Factory pre-settings for RC car F/S function are :

- Electric Car- Steering servo at neutral, throttle at neutral.
- Nitro Car- Steering servo at neutral, throttle at iddle.

同時移動油門扳機至您想要設定F/S伺服機位置。轉向舵輪請保持中立點位置。

【如想要設定F/S油門伺服機位置為煞車，需先移動油門扳機至煞車位置不要鬆開。】

【如想要設定F/S油門伺服機位置為中立，請保持油門扳機在中立點位置。】

⚠ 注意

油門伺服機安全回復位置建議設定為煞車或中立點，請勿設定為油門開啓位置，以免發生危險。本系統出廠預設F/S功能如下：

- 電車-轉向伺服機位置在中立點，速控器油門在靜止中立點。
- 油車-轉向伺服機位置在中立點，油門伺服機在怠速位置。

- d. After the Step C, release the "Binding SW" button on the receiver first and then the throttle trigger. The LED turns to solid "RED" and then back to solid "GREEN" indicating the F/S function has now been activated.

Test by turning off your transmitter and watching the servo failsafe position activate.

此時你可以放開接收機對頻鍵，然後再放開發射機油門扳機。LED會變為恆亮紅燈，約2秒後又回到恆亮綠燈，此時表示F/S功能已經設定完成。

8 FAIL SAFE (F/S) FUNCTION SETTING 安全回復功能設定

e. Test by turning off your transmitter and watching the servo failsafe position activate.

F/S at "Neutral": To check the fail safe is working properly, by moving the throttle trigger to the full forward (full brake), hold this position and then turn off the transmitter. The F/S function should move the throttle servo to "Neutral" position and the steering servo to "Neutral" position.

F/S at "Brake": To check the fail safe is working properly, by keeping the throttle trigger at neutral and then turn off the transmitter. The F/S function should move the throttle servo to "Brake" position and the steering servo to "Neutral" position.

檢查動作：

F/S油門伺服器位置設定為中立點：

將油門扳機全煞車，關掉發射機電源，檢視F/S伺服器位置動作是否轉回中立點位置。

F/S油門伺服器位置設定為煞車：

油門扳機保持中立點，關掉發射機電源，檢視F/S伺服器位置動作是否轉回煞車位置。

f. If the F/S function fails or need to change the F/S hold position, repeat the steps a) ~e). After the F/S is completed, you can start normal operation.

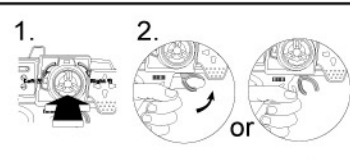
⚠ CAUTION:

ALWAYS reset FAILSAFE function after binding your transmitter & receiver.

檢查無誤後，開發射機開關，然後接收機關開始操作。

⚠ 注意

重新對頻後，請務必重新設定安全回復功能。

Step 步驟	TX Action 動作	RX Action 動作	Check 確認
a	Binding Complete	Binding Complete	TX LED : GREEN SOLID RX LED : GREEN SOLID
	完成對頻	完成對頻	TX 燈號：綠燈恆亮 RX 燈號：綠燈恆亮
b	No Action	 Push for 10 seconds 先持續按10秒 Switch on/Power 開啟電源	RX LED : GREEN FLASH
	無須動作		RX 燈號：綠燈快速閃爍
c	1. Steering: Neutral 2. Keep brake or trigger at neutral 	No Action	Pre-settings for F/S function: ■ EP Car : Steering at Neutral / ESC at Neutral ■ GP Car : Steering at Neutral / Carb. at Idle
	1. 轉向中立 2. 保持煞車或油門扳機在中立點位置	無須動作	出廠預設F/S功能： ■ 電車： 轉向朝前，速控器煞車 ■ 油車： 轉向朝前，油門關閉（怠速）
d	Release later 	Release first 先放開 	RX LED: RED SOLID-2s->GREEN SOLID
	後放開		RX燈號：紅燈恆亮-2秒->綠燈恆亮
e	1. Keep brake 2. Switch Off 	No Action	F/S function activates
	1. 保持煞車 2. 關發射機	無須動作	F/S 安全回復功能啟用
f	OK! 		

9 OPERATING RADIO STEERING FUNCTION

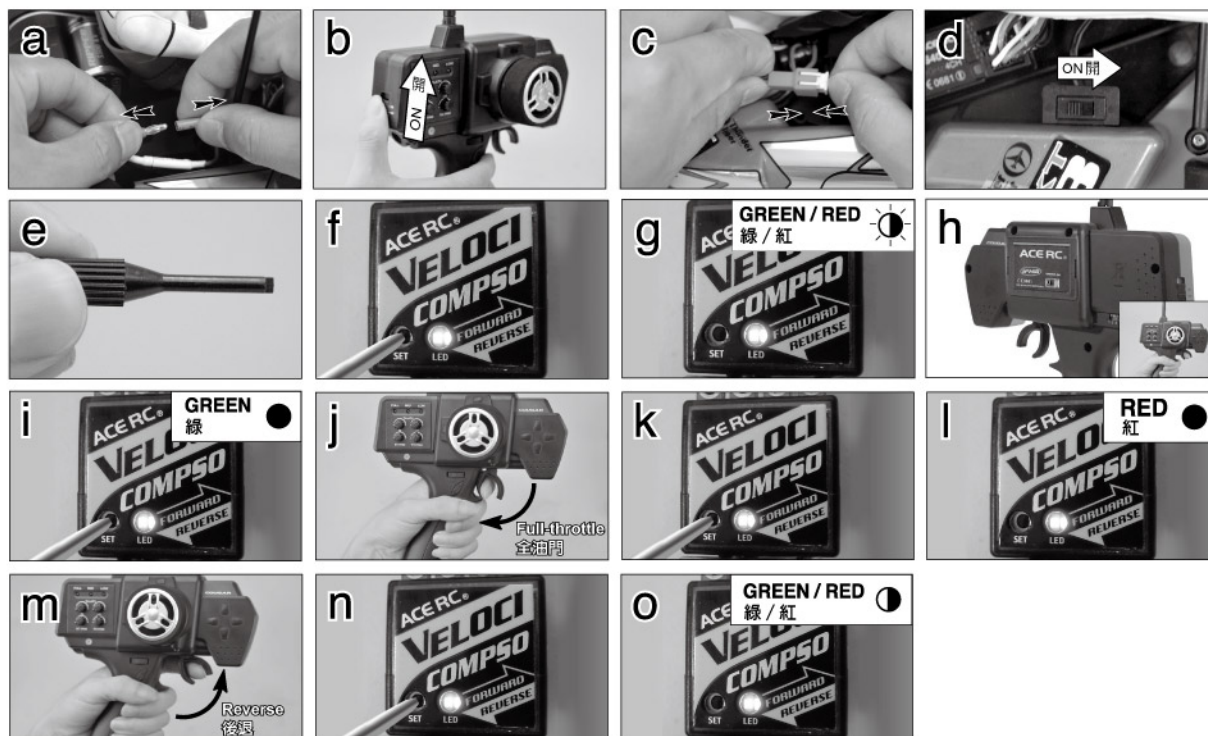
遙控器設定-轉向



- Check the radio steering functions. With the radio transmitter and receiver on, turn the steering wheel/stick to the left. The front tires/wheels should turn left accordingly. If not, flip the steering servo reverse switch.
 - Return the steering wheel to neutral. The front tires/wheels should point straight forward. If not, use the steering trim lever to correct it.
 - Turn the steering wheel to the right. The front tires/wheels should turn right accordingly.
- 確認轉向功能。打開發射機及接收機電源，方向轉左邊時，輪胎將朝向左邊，若方向不一致，請調整方向的正逆轉開關。
 - 方向舵(桿)回中立點時，前輪應筆直向前，若有偏差，請調整方向舵(桿)微調旋鈕。
 - 方向舵(桿)轉向右邊時，前輪應轉向右邊。

10 BRUSHED MOTOR ESC ADJUSTING (FOR NO. 6570-K07 Combo KIT VERSION ONLY)

完成車輛速控器設定 (No. 6570-K07 完成套件車搭配)



(Picture shows the Ace R/C electric speed control pre-installing on KT8 RACING KART KIT version). Before operating your model, you have to set to either NEUTRAL, HIGH SPEED and BRAKE position of the electric speed control prior running the motor.

- Make sure the motor is disconnected or ensure some other way that the wheels are free to rotate.
- Turn the transmitter on.
- Connect your battery pack.
- Turn the power (ESC) switch on.
- Find the supplied tuning wand in the package or a small screwdriver.
- Hold the set-up button pressed in for at least 3 seconds using the plastic tuning wand supplied.
- The set-up LED now flashes RED/GREEN to indicate that the ESC is in the set-up mode.
- Leave the throttle trigger at the neutral position and the throttle trim knob/lever in the middle.
- Press the set-up button, the neutral setting is now stored, and the set-up LED lightens GREEN.
- Move the transmitter trigger to full-throttle.
- Press the set-up button with the trigger still in this position.
- The full-throttle setting is now stored, and the set-up LED lightens RED.
- Move the transmitter trigger to full brake.
- Press the set-up button with the trigger still in this position.
- The brake setting is now stored, and the set-up LED flashes 3 times simultaneously and then goes RED/GREEN light still.

CONGRATULATIONS!

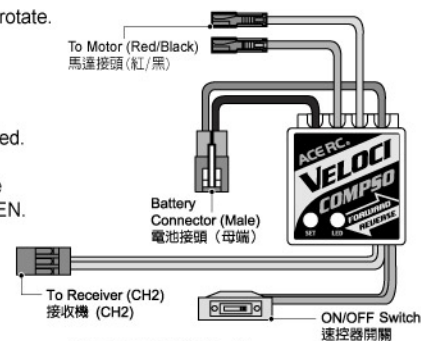
Your electric speed control is now completely set-up. Reattach the motor cord, you are ready to run.

- Remember this! The transmitter is always the **FIRST TO BE TURNED ON** and **THE LAST TURNED OFF**.
- If you make a mistake during the set-up procedure, don't worry: disconnect the battery for about 10 seconds and start again from the first step.
- Refer to the instruction manual for more information on setting the electric speed control.

- 請先確認馬達之電源線是處於拔除的狀態或是將車子放置於輪胎可懸空的平台上。
- 先打開發射機電源。
- 接上電池。
- 將速控器開關打開。
- 使用調整棒或小號之螺絲起子調整。
- 按下速控器上“設定set-up”之按鈕，停留約3秒鐘。
- 按鈕旁之LED狀態燈將同時閃爍“紅/綠燈”，此燈號示速控器已進入調整模式。
- 確認發射機油門處於中立點置(油門板機不動)，油門微調鈕調整至中間置。
- 再按一次“設定set-up”鈕，將中立點之址寫入速控器內，此時LED狀態燈將同時亮“綠燈”。(不閃爍)
- 再將油門板機扳動至全油門狀態並且暫時按不放。
- 接著再按一次“設定set-up”鈕。
- 此時便已將全油門之址寫入速控器內，此時LED狀態燈將同時亮“紅燈”。(不閃爍)
- 緊接著將油門板機扳動至後退狀態並且暫時按不放。
- 接著再按一次“設定set-up”鈕。
- 此時便已將全煞車/後退之址寫入速控器內，此時LED狀態燈將同時連續閃爍“紅/綠燈”3次之後跳回靜不閃爍之“紅/綠燈”狀態。

恭喜你

你的速控器已被重新設定完成，重新接上馬達電源線，接下來便可進行車輛之操控。請注意！為避免失控暴衝，須先開啓發射機電源再接著開啓速控器電源。關閉時則順序相反。設定速控器時若需要重新開始，只要把電源接頭拔除約10秒鐘即可重新記憶。更多關於速控器之資訊，請參考速控器說明書。



11 MAINTENANCE AFTER RUNNING 車體保養

- a. Always turn off the radio system and disconnect the battery pack when the car is not in use.
- b. Remove the sand, mud, dirt, and any other elements completely from the car before you store it.
- c. Never use chemicals or any solvents to clean the chassis as it may cause damage to the electronics components and plastic parts as well. Use compressed air, soft paintbrush, or toothbrush to clean dust and dirt.
- a. 結束操控儲存車體前，請謹記要關閉電源並將電池接頭拔除以免電池短路造成不必要之危險。
- b. 清潔車體上所沾附之沙塵、泥屑。
- c. 請勿使用化學清潔劑來清洗底板，以免遙控之電子設備受潮、電線、焊點及塑膠件被侵蝕而導致不必要之損壞。清潔車體時，請盡量使用強力之壓縮空氣搭配軟毛刷來請清理車體上所沾附之沙塵、泥屑。

12 BEFORE OPERATING 操控前準備

For best operating range, always ensure the largest section of your transmitter antenna faces the model.

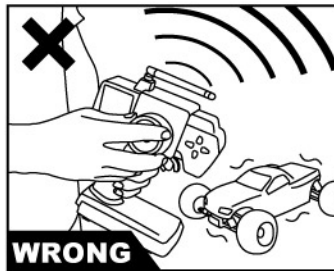
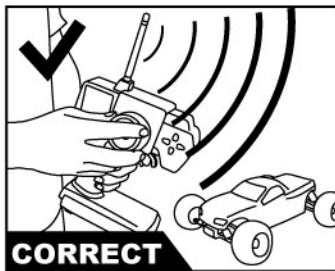


Warning! Operating range may be significantly reduced with the transmitter antenna pointing directly at the model!

以天線最大面積對正模型，可獲得最佳的遙控距離。



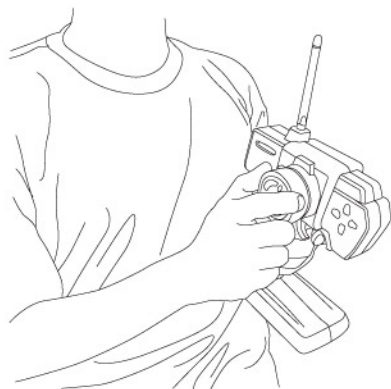
警告！ 天線頂端直指模型會嚴重縮短遙控距離！



13 DRIVING TIPS 操控的小技巧

a. Hold your elbows in and keep the transmitter antenna pointing straight up.

a. 手持發射機時請將雙肘靠緊身體並保持發射機天線朝上。



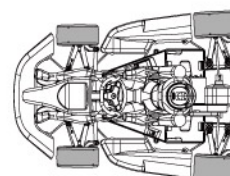
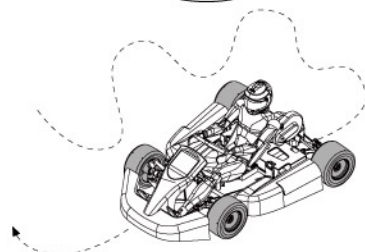
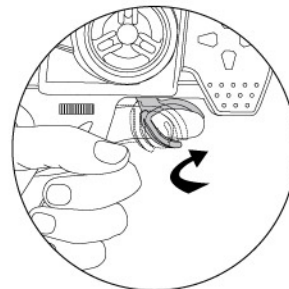
b. Squeeze the throttle trigger or pull the throttle stick gently and steer the car to left and right.

b. 開始操控前按扣油門板機(油門拉桿)時請緩慢增加油門並試著熟悉前輪轉向操作。



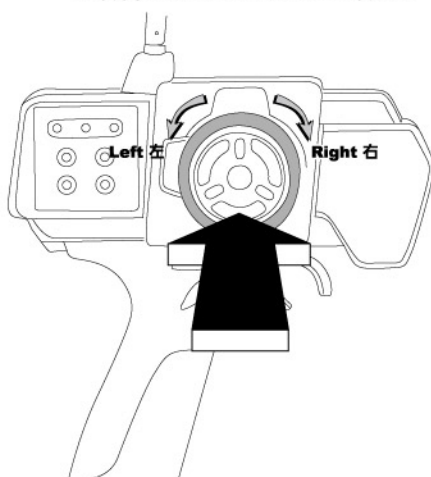
c. Squeeze the throttle trigger and release. Repeat this action to control car speed.

c. 初學者請先熟悉油門操控再慢慢加快車子行進速度。



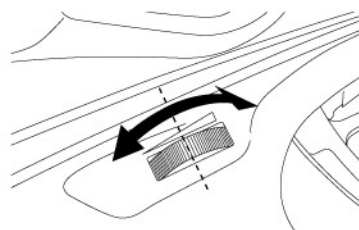
d. If you are unsure of the steering direction, practice with the transmitter facing towards you.

d. 假設你不確定發射機的轉向，將發射機轉輪面向自己，先熟悉左右轉向。



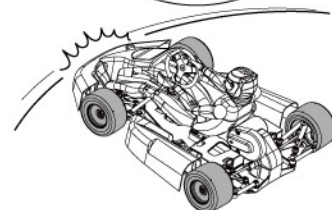
e. At first, set the steering D/R function for less steering response.

e. 初學者可參考發射機說明書調整D/R功能，以避免轉向太過靈活不易操控。



f. Be careful not to squeeze the throttle trigger abruptly while steering.

f. 轉向時請勿將油門全開以避免速度過快導致失控翻覆。

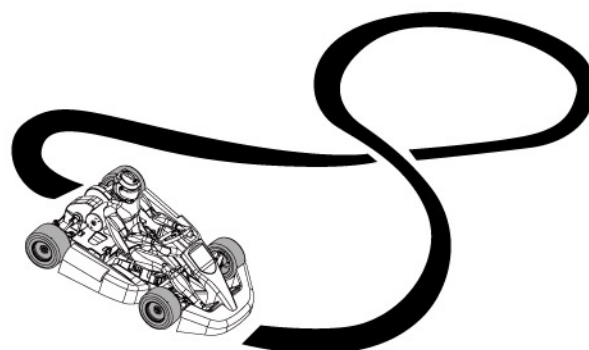
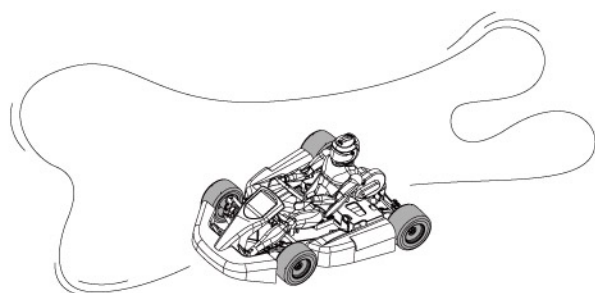


g. After you become used to the controls, experiment with high performance at full throttle and full steering.

g. 熟悉前述基本操控後再試著將油門全開進行高速操控。

h. Practice doing figure 8's.

h. 建議可以使用繞8字來熟悉發射機操控動作。



TROUBLESHOOTING 常見問題與解決辦法

If you have trouble starting or keeping your **KT8 RACING KART** running, here's a quick checklist of what to look for first.
 如果您的 **KT8 RACING KART** 有行駛上的問題，您可以參考下表的說明。
 如果問題無法解決，請與原購買經銷商聯絡。

Description 問題	Problem 可能原因	Solution 解決方法
Car stops or slows 車不動或速度變慢	Speed control over heats 速控器過熱	Let it cool and try later 先冷卻，稍後再試
Car is glitching 車故障	Car has a problem on power 車子的動力有問題	Check motor capacitors, loose wires or crystals. 檢查馬達之焊接電容是否鬆脫或是連結電線脫落
Motor is overheats 馬達過熱	Gear mesh is too tight 馬達驅動齒輪太緊	Let motor cool and check recommended gearing for motor type. Reset gear mesh. 先讓馬達冷卻，再重新調整合適的齒隙
No power 失去電力	Battery is discharged 電池沒充電	Charge battery 將電池充電
	Battery not plugged in 電池沒接好	Plug in battery 將電池接頭確實連接遙控車
No throttle 失去動力	Motor not plugged in 馬達連接線沒接好	Plug motor in 確實接上紅、黑端之馬達電源傳輸線（紅對紅、黑對黑）
	Motor failure 馬達損壞	Replace motor 置換新馬達
	Motor keeps running 未扣引發射機油門，馬達卻持續轉動	Check if the throttle trim knob is in neutral position. 檢查是否油門微調鈕不在中立點的位置
No steering 失去控制	Servo not plugged in 轉向伺服機未安裝好	Plug servo into ESC unit 將連接電線接上速控器
	Locked up steering linkage 轉向裝置卡死	Free up steering linkage 排除可能的干涉（卡住）的零件部位
	Servo failure 伺服機失靈	Replace servo 置換新伺服機
Reversing 後退功能	Goes backwards when you pull the trigger or goes right when turning the wheel left 當扣引/放開發射機油門板機，車子卻後退/前進或是發射機方向轉輪之轉向跟車子轉向左右相反	Check throttle / steering reversing switches on transmitter 檢查發射機上之油門/轉向的反轉開關是否反轉？

