

1.6 User Manual





Thanks to your choice of Welli World Series remote control products, unspeakable gratitude. To make you operate easily ,we shall tell you some related konwledge and notes. Before you begin, be sure to read this manual, I believe we can bring you a great help, please also keep this manual for future reference.

承蒙阁下选用 伟力遥控世界系列产品,谨表谢意。进入遥控世界之前必须告诉您许多相关的知识与注意事项,以确保您能够在学习的过程中较得心应手。在开始操作之前,请务必详阅本说明书,相信一定能够给您带来相当大的帮助,也请您妥善保管这本说明书,以作为日后参考。



1.INTRODUCTION 前言

Thank you for choosing Weili product! F959 is a world's first in a smaller space, and outdoor sport flying remote control fixed-wing aircraft, in order to make it easier and easier Use F959, please read the complete instructions after operating this model airplanes, while you properly save this manual for future reference adjustment and maintenance.

感谢您选购伟力产品! F959 采用新型抗撞击EP0材质,流线型外观,空气动力学设计,非常适合初学者入门练习,在操作这台模型飞机,同时请您妥善的保存这本说明书,作为日后调整及维修的参考。

WARNING LABEL LEGEND 标志代表涵义

▲ WARNING 警告

Mishandling due to failure to follow these instructions may result in damage or injury. 因为疏忽这些操作说明,而使用错误可能造成财产损失或严重伤害。

♪ CAUTION 注意

Mishandling due to failure to follow these instructions may result in danger. 因为疏忽这些操作说明,而使用错误可能造成危险。



Do not attempt under any circumstances. 在任何禁止的环境下,请勿尝试操作。

IMPORTANT NOTES 重要声明

F959 is a sophisticated hobby product and not a toy. Although small, it still poses certain risk factors that should not be over looked. Please follow safety and operation recommed nsations to ensure correct operation of this helicopter. The use of this airplane beyond its intended purposes and disassembly may cause unforeseen danger, and should be avoided.

F959并非玩具,是微型模型飞机但是仍然有一定的危险性,请您依安全注意事项与操作说明来正确的使用该模型,任意的改装拆解或使用不当以及对产品的不熟悉,都可能造成不可预期的危险或意外,请勿轻忽。

Manufacturer and dealer assume no liability for accidental damages by abnormal wear of parts, improper assembly, or operation in unsafe manners. This product is intended for use by age 14 years or older.

Please ensure the product is operated under safe environment.

注意!任何遅控飞机的使用,制造商或经销商是无法对使用者於零件使用的损耗异常。组装不当或不安全的环境操作所发生之意外负任何责任,本产品适用年龄14岁以上,请确保在安全无虞的环境下操作,产品售出后本公司将不负责因不当操作/拆卸/改装所引起的财产损失与人身伤害。

We recommend that you seek the assistance or 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.

The requires a certain degree of skill to operate, and is an item subject to normal wear and tear. Any

damage or dissatisfaction as a result of accidents or modifications are not covered by any warrantee and cannot be returned for repair orreplacement. Please contact our distributors are not covered by any warrantee and cannot discounted rates when you experience problems during operation or maintenance.

模型商品属于需高操作技术且为消耗性商品,如经拆装使用后,会造成不等到情况零件损耗,任何使用情况所造成商品不良或不满意,将无法 於保固条件内更换新品或退货,如遇有使用操作维修问题,本公司全省分公司或代理将提供技术指导,特价零件供应服务。

2. SAFETY NOTES 安全注意事项



Fly only in safe areas, away from other people. Do not operate R/C aircraft within the vicinity of crowds or people. R/C aircraft are prone to accidents, failures, and responsible for their actions and damage or injury occurred during pilot error, and radio interference. pilots are responsible for their actions and damage or injury occurred during the operation or as of a result of R/C aircraft models.

運控模型飞机,属于危险性商品、飞行时务必远离人群,人为组装不当或机件损坏,电子控制设备不良,以及操控上的不熟悉,都有可能导致飞行失控损签伤等到不可预期的意外,请飞行者务必注意飞行安全,并需了解自负疏忽所造成任何意外之责任。

● FORBIDDEN 禁止 Outdoor dedicated machines, please stay away from obstructions 室外专用机, 请远离障碍物

This product is suitable for outdoor and wind less than under the four conditions of flight, when the model aircraft flying, please select the proper accessibility of outdoor venues, and with the crowd or pels until maintain an appropriate distance, do not operate in an unsafe environment, such as a heat source, wire, power, etc., in order to avoid a helicopter crash, landing, entangled and cause a fire, electric shock and other hazards caused by the loss of life and property. 本产品 适合户外且风力小于4级条件下飞行,模型飞机飞行时请妥善选择无障碍物的 室外场地,并与人群或宠物等到保持适当距离,切勿於不安全的环境下操作,如热源、电线、电源等等,以免直升机碰撞、迫降、纠缠而引发火灾、电击等危险。造成生命财产损失。

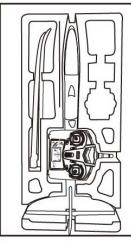




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R/C models are composed of m It is critical to keep the mode contaminants. The introductio the model to malfunction resul To rain or moisture. 飞机内部也是由许多精密的电子零组	STURE 远离潮温环境 any precision electrical components. and associated equipment away from or exposure to water or moisture in a ting in melfunction, or a crash. Do not 牛组成,所以必须绝对的防止潮湿或水汽, 選 肌件及电子零件故障而引发不可预期的意外!	ny form can cause operate or expose	
OFORBIDDEN DECREE OPERA	TION 勿不当使用本产品		
To avoid potential fire hazard f batteries. Battery charging mu of reach by children. Double ch before charging. The manufact incurred by charging non-rech 请勿任意採到或任意为造加工,任何 请确认於产品限界内操作,请勿过载	om batteries, please do not short, rev st be done under supervision at all tim eck the four AA batteries are recharge urer or this product will not be liable fo	es, and at location out able Ni-CD/MH batteries or accidental damages	16
SAFETY NOTE F	OR NI-MH BATTERIES 镍氢电池使用	安全	
batteries of different chemistry to use for a long time to avoid p Please dispose depleted batter dispose improperly.	talled based on polarity indicated in th dispec. Please take out the batteries if otential leakage which may damage th ies according to local laws and ordina	you are not going le transmitter. nces. Do not	
	勿同时混用以免影响电池寿命。若长时间不使 液状况请勿再使用。废弃的电池,请依照该使 环境。		
SAFETY NOTE O	N LI-POLYMER BATTERIES 锂聚电池	体用字令	
Li-Polymer batteries poses hig thus it is imperative to follow its liability for accidental damages Do not use charger other than Do not crush, disassemble, be contact with battery"s polarishazards. Battery charging must be do by children. Please stop the use or chargetemperature after use. Contir or even result in fire hazards. Please dispose depleted batt improperly. ter eight he hazards. Please dispose depleted batt improperly. ter eight he hazards. Please fishose depleted batt improperly. ter eight hazards. Please fishose fisho	the factory supplied unit to avoid pote urn, and reverse polarity. Avoid metallity and cause it short and never puncture under supervision at all times, and a of the battery should there be an unusue use of this battery may cause it to e eries according to local laws and ording. 使用前请务必详读并遵照下列注意事项使用。 以免发生爆炸起火的危险。 电池,避免金属物品碰触电池正负极造成短路。范围内进行充电。并远离幼童可以接触到的地方。否则会造成电池膨胀、变型、爆炸甚至起火效或地区的废弃物清理法令回收,以免污染环境。	ential fire and explosion. c materials to come into e batteries to avoid fire t location out of reach ual increase in battery xpand, deform, explode, ances. Do not dispose 本电池、本公司将不对 并请防止尖锐的物品刺穿电池。 方,以免发生危险。 数娩,危害生命财产的安全。	
▲ CAUTION KEEP AWAY FRO			1.
deformation due to extreme her any source of heat such as an o climate-controlled, room tempe	a forms or plastic. Plastic is very susce t and cold climate. Make sure not to sto ven, or heater. It is best to store the mo rature environment. 为主要材料质,因此要尽量远离热源、日晒、	ore the model near del indoors, in a	FIRE &
A WARNING	ISTANCE OF AN EXPERIENCED PI	LOT 避免独自操控	
some certain difficulty in learin	more than 14 years old age, at the be g, suggestion guidance by exprienced 机在学习初期有着一定难度,需要熟练操控模机	when playing.	<u> </u>
	2		



3.PACKAGE ILLUSTRATION 包装清单



1. 彩盒 Gift box

2. 保丽龙包装 Styrofoam package

3. 使用说明书 Instructions

4. 机体 body

5. 左机翼 Left wing

6. 右机翼 right wing

7. 机翼加强杆 wing spar

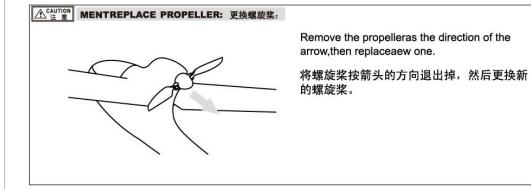
8. 电池 7. 4V 300mah battery 7.4V 300mah

9. 电源适配器 充电器 Power Adapter And Charger

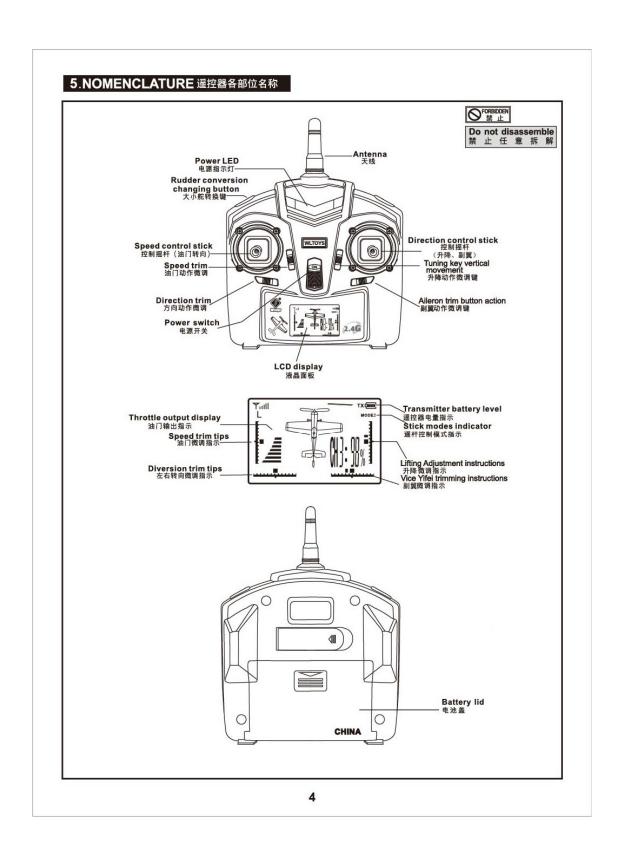
10. 遥控器 Transmitter

4.STANDARD EQUIPMENT 标准配件



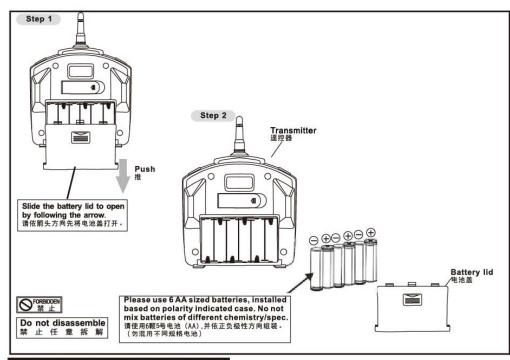




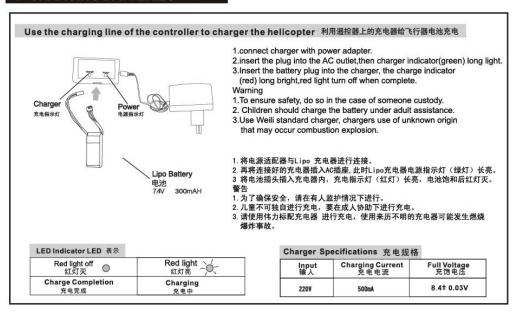




6.TRANSMITTER BATTERY INSTALLATION 遥控器电池安装



7. CHARGING BATTERIES 电池的充电





8. BATTERY AND CHARGER SPECIFCATION 电池与充电器相关规格

Battery type 电池种类	Battery Specification 电池规格	Usage Duration 可使用时间		Charge Time 充电所需时间	
Poly lithium Battery 聚锂电池	7.4V 300mAH	UFO flight time 飞碟飞行时间	Approx. 12-14Minutes 约12-14分钟	500 ma. About 25-30 minutes 500 mA. 约25-30分钟	
Carbon-Zinc (Non Rechargeable) 碳锌电池(不可充电)	1.5V (GP 15G R6P)	Transmitter Operation Time 供遥控器开机时间	18 Hours 18小时	Non Rechargeable 不可充电	

9. Wing installation 机翼安装

With connect the left wing thebody.
 先将左机翼插入机身。

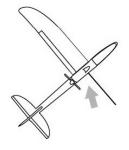


3. The right wing fuselage alignment wing spars access to complete installation 将右机翼对准机翼加强杆接入机身。



2. The wing spars access through the fuselage left wing.

将机翼加强杆穿过机身接入左机翼。



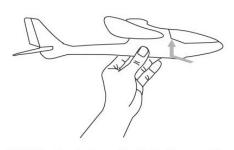
4. Installation is complete 安装完成

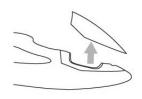




10. Battery Installation 电池安装

1. Open the window as the pictures. 如图向上拉打开机窗罩





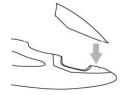
2. Within the battery first into the machine 3. After closing the machine to complete window and then insert the battery compartment forward

将电池先放入机窗内再向前插入电

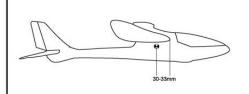
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the installation window cover and fasten the positioning groove 前缘插入再向下合紧机窗完成安装



11 Aircraft center of gravity position



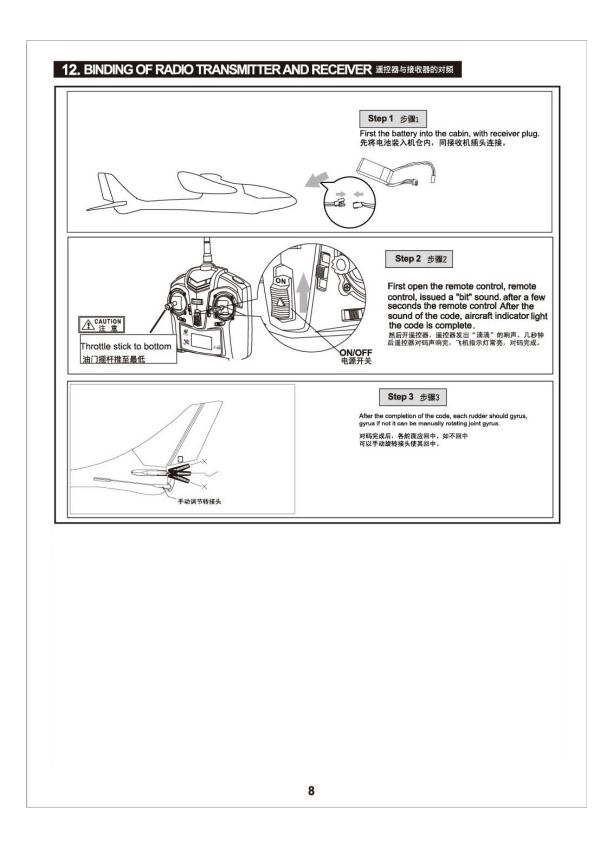
Position of the aircraft's center of gravity will have a significant impact on the flight, make sure the battery is installed before the flight in place, the center of gravity position in the wing leading edge backward 30-33mm.

飞机的重心位置对飞行会产生很大影响, 飞行前请确保电池安装到位,重心位置在 机翼前缘向后30-33mm

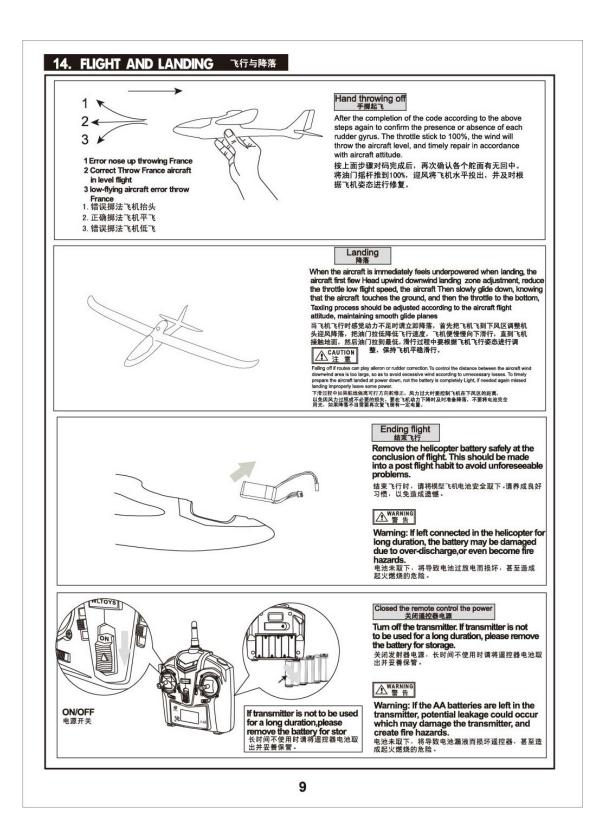
If you use a non-standard weili battery, check pls if the battery weight had effect on the center of gravity position, the center of gravity of the aircraft by adjusting the battery position at whether the impact of the 30-33mm

如果使用非伟力标配电池,请核对电池重量对重心位置无影响,可通过调整电池位置使飞机重心在30-33mm处









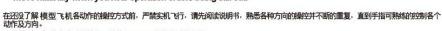


15. FLIGHT ADJUSTMENT AND SETTING 飞行动作调整与设定

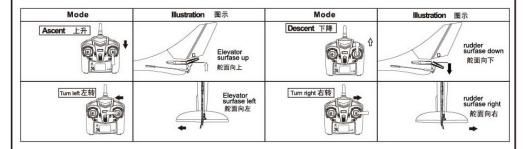
PLEASE PRACTICE SIMULATION FLIGHT BEFORE ACTUAL FLYING 飞行前请先熟练模拟飞行

Before you are familiar with the air plane , pleasure don't set it fly, read the instruction carefully. Get familiar with all kinds of direction control and keep repeating until you can play it as you perform your wishes

- 1.Place the airplane in a clear open field and the tail of air plane point to yourself.
- Practice to operate the throttle stick(as below illustration) and repeat practicing "Throttle high/low", "Aileron left/right", "Rudder left/right", and "Elevator up/dowm".
- 3. The simulation flight practice is very important, please keep practicing until the fingers move naturally when you hear operation orders being call out.



- 1. 将模型飞机放在空旷的地方,并将模型飞机的机尾对准自己。
- 2. 练习操作遥控器的各摇杆(各动作的操作方式如下图),并反复练习油门高/低、副翼左/右、升降舵前/后及方向舵左/右操作方式。
- 3. 模拟飞行的练习相当重要,请重复练习直到不需要思索,手指能自然随着喊出的指令移动控制。



FLIGHT ADJUSTMENT AND NOTICE FOR BEGINNERS 初学飞行调整与注意

▲ CAUTION 注意

OCheck if the screws are firmly tightened.

OCheck if the transmitter and receivers are fully charged.

◎再次确认螺丝是否锁固?

◎发射器和接收器电池是否足够。

Please outdoor open space flight, away from the crowd, such as high-voltage tower woods flight hazardous areas, in order to avoid disasters or personal injury.

请在户外空旷场地飞行, 远离人群 高压线 高楼 树林 等危险区域内飞行, 以免引起灾害或 人员受到伤害。





STEP 1 THROTTLE CONTROL PRACTICE油门控制练习





After throwing out the airplane, slowly throttle control the level of Uniform flying the aircraft can not be fierce fuel door.

飞机投掷出去后,慢慢控制好油门高低 使飞机匀速飞行,不可猛加油门。

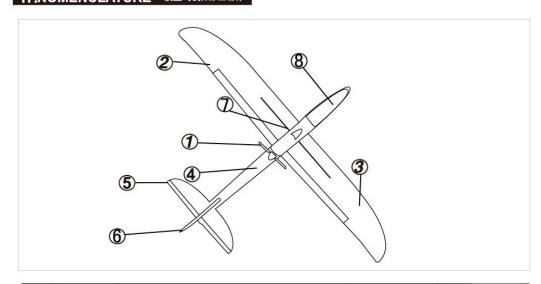


16.TROUBLE SHOOTING DURING FLIGHT 如何排除飞行中的状况

	Situation 状况	Cause 原因	Way to deal 对策
1	Receiver status LED blinks continuously for more than 4 seconds after airplane battery inserted. No response to control input. 接上模型飞机电池接收器指示灯持续闪烁,操作天反应		Repeat the power up initializing process. (Refer to P.11:Binding of radio transmutter and receiver) 请重新执行通控器与接收机板的对频动作(请参阅P.7 通控器与接收器的对频)
2	No response after battery is connected to airplane . 接上模型飞机 电池后飞机没有任何反应	1.power to transmitter and receiver. 2.Check transmitter and receiver voltage. 3.Poor contact on battery terminals. 1. 检查運控器和接收器是香接通电源 2. 检查運控器和接收器。 3. 电池极片接触不良	1.Turn on transmutter and ensure airplane battery is inserted properly. 2.Use fully charged batteries. 3.Re-seat the battery and ensure good contact between battery contacts. 1.打开发射器与确实指入飞机电池至定位 2.使用完全充电充饱的电池 3.重新插入电池。确认电池和电池极片的接触是否正常
3	Motor does not respond to throttle stick, receiver LED flashes. 推动油门掘杆时马达不转。且接收器指示灯开始闪烁。	Airplane battery depleted. 飞机锂聚电池电量不足	Fully charge the battery, or replace with a fully charged battery. 将电池充电或更换另一个充饱的电池
4	Main rotor continue to spin after landing 降落之后,主旋翼仍在旋转未停止	Throttle trim accidentally increased during flight. 飞行中误将油门微调调高	Confirm throttle trim is in center or slightly below. 确认油门微调在中间位置或是稍微向下调
5	Motor fails to run,but servo moves. 马达不转,但伺服器仍有动作	1.Throttle trim is too high, triggering safety protection function. 2.Throttle was not all the way dowm during power up. 3.Loose motor connection or damaged motor 1.油门微调偏高,但动安全保护功能 2.开机时,油门捆杆未置于最低点 3.马达接头轮脱或马达抵挤	1.Lower throttle trim and restart throttle. 2.Lower throttle stick all the way down and restart throttle. 3.Re-seat the motor plug or replace the motor. 1.调低油门微调后重新启动油门 2.将油门握杆推至最低点后,重新启动油门 3.将接头插至定位或更换汤不换马达
6	Main rotor spins but unable to takeoff. 模型飞机主旋翼有持续转动但不能起飞	1.Deformed main blades. 2. Airplane battery depleted 1.主旋翼变形 2.飞机电池电量不足	1.Replace main blades 2.Charge or replace with a fully charged battery. 1. 更换旋臂 2.将电池充电或是更换另一个充饱的电池
7	Strong vibration of airplane 模型飞机震动的很厉害	1.Deformed main blades 2.Bent main shaft 1. 旋翼变形 2.主轴弯曲	1.Replace main blades 2.Replace main shaft 1.更換旋翼 2.更换主轴
8	Model aircraft can not fly straight yaw 模型飞机偏航飞不直	Does not return the rudder surface 方向舵面没有归中	1.Fine tune the direction to go in the rudder 2.Adjust the rudder surface of the wire to the rudder return 1.调方向微调至舵面归中 2.调整方向舵面钢丝至舵面归中
9	Model Aircraft rise or down 模型飞机抬头或低头	The elevator did not go in the face 升降舱面没有归中	1 Tone elevator rudder trim to go in 2 Adjust the elevator surface of the wire to the rudder return 1. 调升降舵数调至舵面归中 2. 调整升降舵面铜丝至舵面归中



17.NOMENCLATURE 模型飞机各部位名称



No.	Code No.		Name	Specification	Quantity	Remarks
1		螺旋桨	Propeller		1	
2		左机翼	Left wing		1	
3		右机翼	Right wing		1	
4		机身	Fuselage		1	
5		水平尾翼	Horizontal tail wing		1	
6		垂直尾翼	Vertical tail wing		1	
7		机翼加强杆	Wing spar		1	
8		机窗罩	window cover		1	

Specifications ,contents of parts and availability are subject to change,Align RC is not responsible for inadvertert erros in this publication.

本说明书内的材质,规格或零件包装之内物谨供参考。本公司将不对此印刷物之异动负责也无法 主动通知消费者,任何更新或异动,请以伟力网页为主。

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.

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



WLTOYS

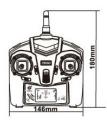
Specifications & Equipment/ 规格配备:

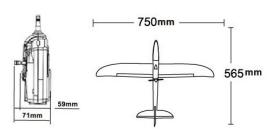
F959

Height/长度:565mm WingSpan/翼展:750 mm Flying Weight / 飞行重量:95g

Motor/马达:N60

Battery/电池: 7.4V300mah 20c Lipo





伟力玩具有限公司

FC(600 3X