# WLTOYS

Specifications & Equipment/ 规格配备:

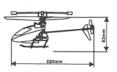
V911

Length/机身帐: 220mm Height/机身高: 82mm Main Blade Length/主泛賢长: 192mm Tall Rotor Diameter/甩泛賈直任: 36mm Weight(without Power System)/空机重27.8g Flying Weight/全尼夏: Approx. 32a









伟力玩具有限公司

FC(600 & X

MICRO HELICOPTER

V911 Super Combo

8~10 USAGE INSTRUCTIONS AND CHECK LISTS 开机步骤与"对南检查

11~12 FLIGHT ADJUSTMENT AND SETTING 计特殊的基本设定 TROUBLE SHOOTING DURING FLIGHT 如何等意义中的处理

14~15 PART LIST 各部专件名称

INSTRUCTION MANUAL 使用说明书 WLTOYS

V911 In The House!



Thank you for buying WLTOYS products. The V911 is the latest technology in Rotary RC models. Please read this manual carefully before assembling and flying the new V911 helicopter. We recommend that you keep this manual for future reference regarding tuning and maintenance.

承蒙阁下选用 伟力遥控世界系列产品,请表制意。进入遥控世界之前必须告诉 您许多相处的知识与注重事项,以确保定额特在学习的过程中较得心原子。在开 始操作之前,请务必菲和这种时书。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

Thanks for using witoys products. V911 is the first helicopter which can fly outdoor in a wild weather. In order to play V911 more convenient and easy, pleasure read it carefully before playing the helicopter. Meanwhile, please keep it well, and take it for reference when adjustment and maintenance.

感謝您議時,有力产品!例11是一台世界首的眼在较小空间以及室外飞行的爆控直升机,为了让您更力便、更容易的使用例1. 请您仔细阅读 完此说明并后,再婚作这位直升机。同时请您受着的希芬这本识明书,作为日后便取及婚龄的参考。 Vali helicopter can saitly you whatever rainy or sunny, even when outdoor wild grade 3-4, It will Keep moving.

#### WARNING LABEL LEGEND 标志代表通义

▲ WARNING 警告	Mishandling due to failure to follow these instructions may result in damage or injury. 因为疏恕这些操作说明。而使用错误可能造成就产损失或严重伤害。
<b>☆CAUTION</b> 注意	Mishandling due to failure to follow these instructions may result in danger. 因为確認这些操作说明,而使用错误可能造成危险。
○ FORBIDOEN	Do not attempt under any circumstances. 在任何禁止的环境下。请勿尝试婚作。

#### IMPORTANT NOTES 重要声明

V911 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 recommedinations to ensure correct operation of this helicopter by beyond its intended purposes and disassembly may cause unforeseen danger, and should be avoided.

1911并非民人,基础表面影响的原因手机,但是仍然有一定的影影性,境态化安全注重事项与操作项带来正确的使用该模型,任意的充资将解析使用不足以及对产品的不熟悉。都可能造成不可预期的影响或重外,请你经常。

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 15 years or older.

Please ensure the product is operated under safe environment. 注意:任何選定基并机的使用。制造有或经销商是无法对使用者数零件使用的损耗异常。组装不出或不安全的环境操作所发生之意外负任何责任、不产品通用率的15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。

取が一点なっくまりま。
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.

(程度的反对 10 年代 1

#### 2. SAFETY NOTES 安全注意事项

Special despecial design for indoor & outdoor please keep it away from obstacle 室内、室外专用机, 得近高薄砂粉

至内、至介支用料、四点無理時間
This product is suitable for indoor and outdoor (the wind grade should be no more than 4),
prised echoose a place without obstacle, and keep distance from erowd and pats, don't play
be damaged by collision landing, entanglement and lead to a life, electric shock and cause
本产品含 医内、至外(四)医外侧/不要/天上组) 开现。计时间定算并说,"计时请更要选择之理特别的签件 表外经验,并为人都经营销售等的经验是正常。"

A P 0



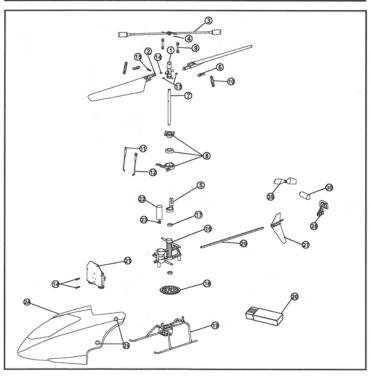
No.	Code No.	Name		Specification	Quantity	Remarks
1	10H001	Main rotor housing	主旋翼固定座	18.8X6X4 4mm	1	
2	10H009	Blade	主旋翼	102X20.8X6.7mm	2	
3	10H002	Flybar rod	平衡杆	126X13 4X3.2mm	1	
4	10H011	Barscrew	平衡杆螺丝	#1.5X7mm	1	
5	10H003	Washout base	向位器	15X3.9x3.5mm	1	
6	10H004	Washout control arm	控制臂	6.2X2,8mm	2	
7	10H005	Swashplate	主轴	\$1.6X\$3X45.8mm	1	
8		Main shaft	十字盘组		1	
9	10Z001	Ball link a	连杆头。	42.1X7.6x1.3mm	2	
10	10Z002	Ball link b	连杆头。	62.1X11x1.3mm	2	
11	10Z003	Ball link	连杆头	42 1X5x1 3mm	. 2	
12	10Z004	Linkage rod	机身连杆	40.6X5x12.5mm	2	
13	\$5140	Screw	图头十字自攻螺丝	T1.4x4mm	4	
14	851425	Screw	圆头十字自攻蜒丝	T1.4x2.5mm	1	
15	T11232	Collar screw	图头十字轴套螺丝	M1.2x3.2mm	2	
16	10B001	Main frame	机身	33 7X36.1mm	1	
17	HH63	Bearing	轴承	03X06X2mm	2	
18	10BA00	Main drive gear	主齿轮		1	
19	10F001	Landin skid	脚架	52X29.6mm	1	
20	Kv910015	Li-polymer battery	锂聚电池	3.7V/120mAh/15C	2	
21	Er10021	Receiver board	接收板		1	
22	Mb10001	Motor	主马达		1	
23	10M001	Motor pinior gear	马达齿轮		1	
24	100001	Canopy	彩绘机头罩		1	
25	10H014	Canopy nut	机头罩垫圈	\$1.4X\$3X1.5mm	4	
26	10T001	Tail boom	尾管	2.2X2.9X115mm	1	
27	10T002	Horizontal stabilizer	要直翼	42 4X17.5X4 4mm	1	
28	10T004	Tail motor mount	尾马达座	47X97.5X11.7mm	1	
29	10T003	Tail Blade	尾旋翼	00.8X02.2X39.1mm	1,1	
30	Mb10021	Tall Motor	尾马达		1,	

Specifications, contents of parts and availability are subject to change, Align RC is not responsible for inadverterterrors in this publication. 未说明 RC is not responsible for inadverterterrors in this publication. 未说明 RC is 不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,请以伟力钢页为主。

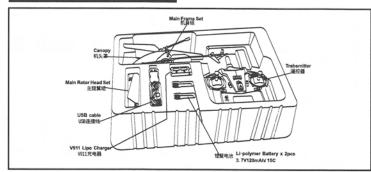
	Situation 状況	Cause 原因	Way to deal 対策
11	Helicopter unable to remain stationary during hover 停息时机身无法定点	1.Binding caused by rough components 2Overlightening of moting arms. 1.机均干沙原畅度不足 2.控制臂頓太紧干沙	1.Confirm smooth movements of components and ball links.     2.Losen up mixing arms axial screws.     1.确认机身每一个机构及连杆头作动顺畅 2.放松桶套螺丝让控制實作动颠略。
12	Unusual vibration of helicopter during flights 直升机飞行时机身异常抖动	1.Binding between main blades and blade grips. 2.Insufficient head speed due to depletion of helicopter battery. 1.主旋其和主旋異菌正液干涉 2.直升机电池电压不足、主旋翼转速太慢	1.Ensure all head components are smooth with no binding.  2.Replace with a fully charged battery.     1.确以主旋翼头组的每个机构活动颠簸不干涉 2.请更换一个充电元成的新电池

If the problem is still there even after tried above, stop flying and contact with your seller. 在微光以上调整后,仍然无法改善情况时,应立即停止飞行并联络您的途销商。

## 15.PARTS LIST 各部零件名称



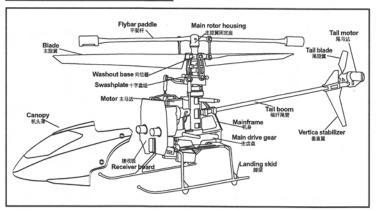
#### 3.PACKAGE ILLUSTRATION 包装说明



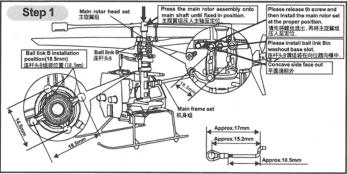
## 4.STANDARD EQUIPMENT 标准配件

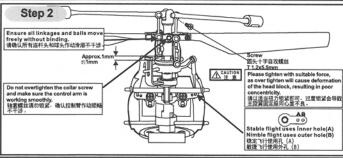


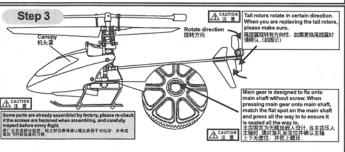
## 5 NOMENCLATURE 直升机各部位名称



#### 6 3 STEPS FOR HELICOPTER ASSEMBLY 直升机组装三步骤







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

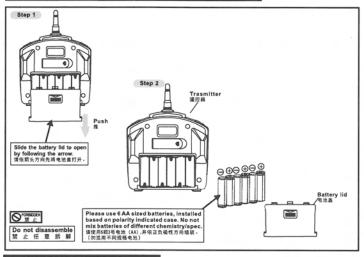
	Situation ##	Cause 發表	Way to deal 対策
1	Receiver status LEO blinks continuously for more than 4 seconds after helicopter battery inserted. No response to control input. 接上直升机电池接收器指示灯持续闪烁。操作天反应	Unable to bind to transmitter. 通控器与接收器未对领成功	対策 Repeat the power up initializing process. (Refer to P.11:Binding of radio transmitter and receiver) 请重新执行逼控器与接收机板的对频动作 (请参阅P.11运控器与接收器的对频)
2	No response after battery is connected to helicopter. 接上重升机电池剂重升机没有任何反应	1.power to transmitter and receiver. 2.Check transmitter and receiver voltage. 3.Poor contact on battery terminals. 1.检查 建压性系统 电极电极 电极电极 电极电极 电极极 电极极 电极极 电极极 电极极 电极极	1.Turn on transmutter and ensure helicopter battery is inserted properly.     2.Use fully charged batteries.     3.Re-seat the battery and ensure good contact between battery contacts.     1.打开支射器与输跃输入直升机电池温定位     2.世界完全产生代热的电池     3.重新插入电池。确认电池和电池银片的接触是否正常     多面不可能     3.重新插入电池。确认电池和电池银片的接触是否正常
3	Motor does not respond to throttle stick, receiver LED flashes. 推动油门提杆时马达不转,且接收器指示灯开始闪烁。	Helicopter battery depleted. 直升机镍聚电池电量不足	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蒸	Confirm throttle trim is in center or slightly below. 确认油门资调在中间位置或是精微向下调
5	Motor fails to run,but servo moves. 马达不转。但何股器仍有动作	1.Throttle trim is too high, triggering safety protection function.  2.Throttle was not all the way down during power up. 3.Loose motor connection or damaged motor  1. 油门酸噴霧薬。启动安全保护功能  2.开机时,油门提杆未置于最低点  3.写这接头板取写这技环	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. 调低油门酸调品重新品动油门 3.将鱼油用 12.将油门器杆排压格式配。重新启动油门 3.将鱼油 强至症或度指动不换另边
6	Main rotor spins but unable to takeoff. 直升机主旋翼有持续转动但不能起飞	1.Deformed main blades. 2.Helicopter battery depleted 1.主提翼变形 2.直升机电池电量不足	1.Replace main blades 2.Charge or replace with a fully charged battery. 1.更换主旋翼 2.托电池充电或是更换另一个充物的电池
7	Strong vibration of helicopter 直升机震动的机药者	1.Deformed main blades 2.Bent main shaft 3.Deformed tall rotor 4.Overtightening of main blade greps. 1.主股資學第 2.主始命意 3.尾旋黄业形 4.主旋與國北區鄉位號太潔、特致佛旋	1.Replace main blades 2.Replace main shaft 3.Replace tail rotor 4.Re-tighten main blade grips with suitable force. 1. 更抗主 起寶 3.更热是起寶 4. 振道出力通童新领附主投資商定庭组性
8	Tall still off trim after tab adjustment, or inconsistent speed during left/right pirouette. 已得緊急就發達,但是部分全貨內一边或在投資資產不一致	1.Damaged tall rotors 2.Damaged tall drive motor 3.Helicopter was not stationary during power up. 4.Vibration induced gyro interference, causing tall mable to lock 1. 湯度複要形 2.湯 湯上 男子代・現今大学大学大学大学大学大学大学大学大学大学大学大学大学大学大学大学	1.Replace tall rotors 2.Replace tall drive motor 3.Repower the helicopter while remaining 3.Repower the helicopter while remaining 4.Refer to symptom 7. 1. 実施報度 2. 実施報度 2. 実施報度 3. 選集電影保持責件積重件 4. 項券者同額7
9	Helicopter still wonders forward after trim adjustment during hover. 序色對己词整度词,但是直升机仍会往前或 任后曲移	1.Elevator servo not level during power up. 2.Elevator pushrud too long or too short. 1.开机可升房侧雕器越驾并至于水平位置 2.开降控制连杆过长或过速	1.Center elevator trim after power up, and re-install elevator servo horn at level position. 2.If helicopter drifts forward, adjust linkage longer. If ut drifts backward, adjust linkage shorter. 1.开机员将开降四月中立点。重新使上降转火平
10	Helicopter still wonders left/right after trim adjustment during hover. 绿色封己阿整型调、磁差直升机仍会往左联 往右侧移	1.Alleron servo not level during power up. 2.Alleron pushrod too long or too short. 1.并付前解析图描述转来置于水平位置 2.耐質控制连杆过长或过矩	1.Center alleron trim after power up, and re-install alleron servo hom at level position. 2.If helicopter drifts left, adjust linkage longer, if it drifts right, adjust linkage shorter. 1.开机后杯副解院评中立点.重新校上指替使排替水平。



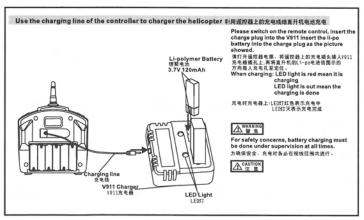
# 7 NOMENCLATURE 選控器各部位名称 O<sup>FORBEOON</sup> 禁止 Do not disassemble 禁止任意拆解 Antenna Power LED 电源指示灯一 Rudder conversion changing button 大小蛇转换键 Direction control stick 控制提杆 (前后、左右侧飞) Speed control stick 控制提杆(油门转向) 0 Speed trim. 油门动作微调 Crab trim 化飞动作微调键 Direction trim 方向动作微调 Power switch 电源开关 ter battery level Speed trim tips 油门微调指示 Diversion trim tips 左右转向微调指示 0 0 Charge plug cover 充电插头盖 **(** 0

5

#### 8.TRANSMITTER BATTERY INSTALLATION 選控器电池安装



#### 9. CHARGING BATTERIES 电池的充电



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

## PLEASE PRACTICE SIMULATION FLIGHT BEFORE ACTUAL FLYING 计前期编码表现的现在分词

Before you are familiar with the helicopter, pleasure don't set if 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 wish. Place the helicopter in a clear open field and the tail of helicopter point to yourself.

2.Practice to operate the throttle stick(as below illustration)and repeat practicing "Throttle high/low", "Alleron left/right", "Rudder left/right", and "Elevator up/dowrm".

3.The simulation flight practice is very important, please keep practicing until the fingers move naturally when you hear operation orders being call out. 

在还觉得解直升机各动作的规模立方式前,严禁实机飞行。请先阅读识别书、熟悉各种方向的规控并不断的重复。直到手指可熟练的控制各个时代以方面。

动作业万向。 1.将真并的放在空间的地方,并将真升机的机是对准自己。 2.练习技作温定路的各部杆(各齿阶的战作方式加下吸),并反复练习油门高/低、副蹼左/右、升降舱前/后及方向舵左/右操作方式。 3.模拟"让行的练习相当重要,填重製练习直到不需要思索"。手指能自然接着喊出的指令移动控制。

Mode Illustration 图示 Mode Illustration 图示 Alleron MIX we loft £# Throttle 油门 Ascent 上升 Descent 下降 Bevator开牌/前息 0 Tum left 左旋 Rudder 方向 P 1 】 Turn right 右腿

When arriving at the flying field. 请在没有人及障碍物的空旷室内、室外飞行

P

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

A CAUTION 注意

● Make sure that no people or obstructions in the vicinity.

② You must first practice hovering for flying safety. This is a basic flight action. (Hovering means keeping the helicopter in mid air in a fixed position)

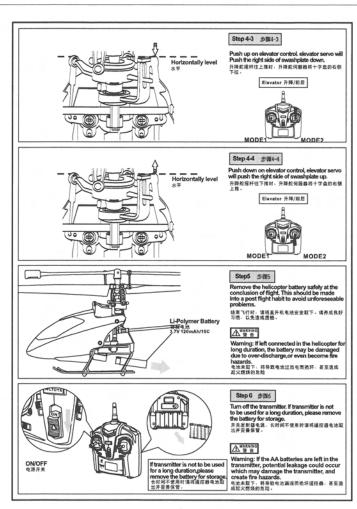
② Please stand approximately 2m diagonally behind the helicopter.

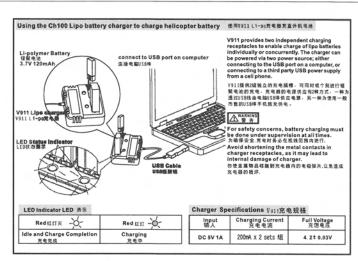
③ 电似 驱过地区没有人间隔等的。
④ 为了 计写文 一 代总统统法可是,以是"对开阶的基础(停息、直升机滞留空中并保持固定位置)。
④ 练习时,像战在直升机后方之公尺。

#### STEP 1 THROTTLE CONTROL PRACTICE油门控制练习









#### 10.BATTERY AND CHARGER SPECIFICATION 电池与充电器相关规格

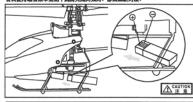
Battery type 电池种类	Battery Specification 电池規格	Usage Duration 可使用时间		Charge Time 充电所需时间	
Li-po battery 锂聚电池	3.7V 120 mAh	Helicopter flight time 直升机飞行时间	Approx. 5-6 Minutes 约5-6 分钟	Approx. 30 Minutes (Charging current approx. 0.2A) 约30分钟 (死电电波约0.2A)	
Carbon-Zinc (Non Rechargeable) 破锌电池(不可充电)	1.5V (GP 15G R6P)	Transmitter Operation Time 供溫控器开机时间	18 Hours 18小时	Non Rechargeable 不可充电	
吸拌电池 (不可允电)		Used for Lithium Polymer Charging 用於課發电池完电	Approx. 3 times 约3次	1,0	

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#### ACAUTION 注意

You needn't to change anything because it has been adjusted when it finish produce 原厂出厂时。已为您将模式设定好了。无需再调。





#### Step 1 分裂1

With the helicopter placed on fevel auriace, push the lipo battery pack in the direction shown in clagram until foxed into position. At this time avoid moving the helicopter so the radio and gyr system can initiate and the red LED on the receiver bords will be start flashing.

receiver borac will be staft tassning.

\*\*Receiver borac will be staft tassning.

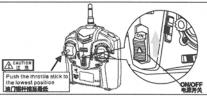
\*\*Amount of the staft tassning.

\*\*Employed to the staft tassning.

\*\*Employed tassning.

\*\*E

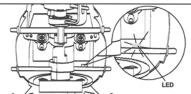
▲ CAUTION Electrode surface of batter face up 电池的电极重朝上.



#### Step 2 多課2

With throttle control stick at lowest position, turn on radio transmitter to start the binding

接触物验了那种能态物体。打开加致解化和进行对策

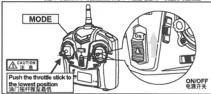


#### Step 3 步骤3

#### 12.USAGE INSTRUCTIONS AND CHECK LISTS 开机步骤与飞行前检查

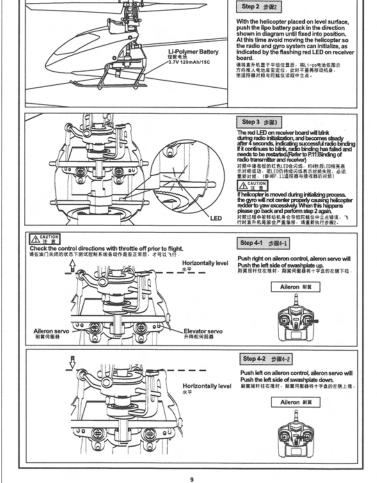
Motor should not be rum without loading main or tail rotor blades to avoid motor burnout. 冯达不可在没有帮助主投資的状态下单绘通电运转、以避免马达烧毁。

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#### Step 1 步骤;

With the throttle control stick all the way of turn on transmitter power. 将油门採杆推至最低后,打开運控器电源。



## FCC INFORMATION

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received including interference that may cause undesired operation.

Warning: Changes or modifications to this unit 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 unit 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. 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 and 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 to an cutlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.