

co-axial
Easy control happy flight

LAMA V3



Specification

Main rotor diameter:340mm
Weight:215g
Length:360mm
Power system:180 motor*2
KIT/ARF/RTF:RTF
Transmitter:Standard 4CH
Mix controller:4in1 controller(W/gyro,mixer,ESC,receiver)
Servo:8g,1.3kg,CM,0.12s/60°
Battery:7.4V 800mAh Li-polymer battery



Product introduction

The design of lama V3 adopts coaxial and counter-rotating system which is fitting to the indoor flight. The design characters are easy flying, simple operation and it can fly after charging. 4in1 controller gathers four functions of mixed controlling, electric speed controller, gyro and receiver, which is convenient to the adjustment and maintenance of the helicopter. The design of swing hammer enhances the stability and balance of the flight, which can be easy for the beginners to master the basic flight skills in a short time. The improved tail rack will be more firm. With two superior 180 motors and one 7.4V Lithium battery, the flight power will be more abundant and the flight time will be much longer. It can finish easily the performance of quick rotation, hanging in the air, hovering and so on. The flight in the air is like aerial strolling, you can share the pleasure from the flight as much as you like



产品介绍

Lama v3 设计采用共轴反转双桨系统,适宜在室内飞行,设计特点是:容易飞行、简单操作,打开包装只要进行简单的充电就可以进行飞行。四合一控制器 集合了(混控、电子调速器、陀螺仪、接收机)的功能,方便了直升机的调整和维修,摆槓的设计提高了直升机飞行的稳定性和平衡性,可以使初学者在短时间内学会飞行掌握飞行的基本技巧。改良的尾架更加的牢固,可爱的尾旋翼可以在飞行中迎着气流自由旋转。使用两颗优质的 180 马达和 7.4 V 的锂电池使直升机的飞行时间更加长久,飞行动力也更加的充沛,可以轻松自如的在空中完成快速自转、悬停、盘旋等各种航线飞行,在空中的飞行犹如空中漫步,让您尽情的享受飞行带来的乐趣!

软质的塑料起落架,很好的保护直升机的起落。四合一装置,起平衡和稳定作用的摆槓;可拆装的电池盒,可以将电池牢牢的固定在直升上;软质韧性脚架,可以有效保护起槓。

包装内发射机及充电设备 Transmitter and charging equipments in t

#EK2-0404



发射机 Transmitter

#EK2-0902



电源适配器
Power supply

#EK2-0851



充电器 Charger



主旋翼 Plastic blade

#EK1-0181



电池 Battery

直升机起飞步骤

The operation guide before fly



1. 电池充电
Charging battery



2. 安装电池
Loading battery



3. 打开发射机
Power on transmitter

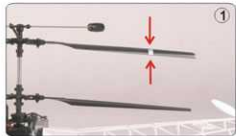


4. 接通电源
Connecting battery



5. 绿灯显示待飞
The green led indicates ready to fly

主旋翼攻角的调整 (Main blade angle of attack adjustment):



(1) 主旋翼旋转不在同一平面
Main blades don't rotate in one plane.



(2) 主旋翼攻角调整方法
Adjustment way to angle of attack of main blades.



(3) 主旋翼旋转在同一平面
Main blades rotate in one plane.

自备工具 Facilities self-contained



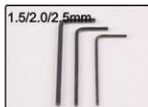
尖嘴钳
Long nosed pliers



EK1-T001
六角螺丝刀
Hexagonal Screwdriver



EK1-T006
十字螺丝刀
Cross Screwdriver

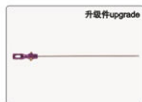


EK1-2127
"L"型六角螺丝刀
"L" Screwdriver



剪刀 Scissors

LAMA 升级件



EKS-0206
中心座组
Central hub and shaft
set(upper)



EKS-0207
下中心座组
Bottom Central holder Set



EKS-0209
横斜盘组
Swashplate set

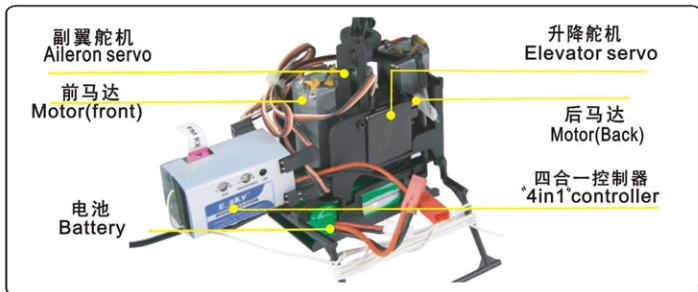


EKS-0210
夹片组
Mainblade grip set

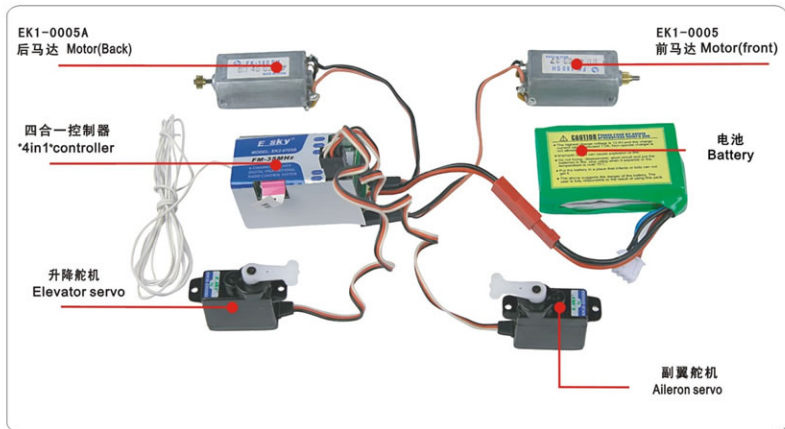


完成
Completed.

机体局部设备示意图: Construction schematic diagram to inner equipments



内部设备结构示意图 Connection schematic diagram to inner equipments

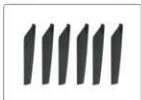


EK1-0312



主旋翼A
Plastic blade A

EK1-0313



主旋翼B
Plastic blade B

EK1-0314



稳定锤
Stabilizer set

EK1-0315



主旋头A
Inner shaft A

EK2-0705B



四合一
"4 in 1" controller

EK1-0316



齿轮和轴设置B
Gear & shaft B

EK1-0317



旋转夹头
Main blade grip set

EK1-0318



主旋头B
Inner shaft B

EK1-0319



倾斜外盘
Swashplate set

EK2-0500



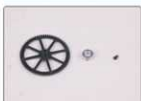
8克伺服器
8g Servo

EK1-0320



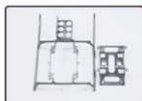
机架 Main frame

EK1-0321



齿轮和轴设置A
Gear & shaft set A

EK1-0322B



滑撬和电池架
Landing skid

EK1-0323



机头仓 Cabin

EK2-0903



适配器
Switching adapter

EK1-0324



轴承固定套
Bearing set collar

EK1-0325



拉杆 Bell link

EK1-0005



180前马达180# Motor

EK1-0005A



180后马达180# Motor

EK2-0404



发射机 Transmitter

EK1-0328



4*8*3轴承 Bearing4*8*3

EK1-0218



2*6*3轴承
Bearing2*6*3

EK1-0222



固定工具
Mounting accs & wrench

EK1-0181



锂电 Li-polymer
battery 7.4V800mAh

EK2-0851



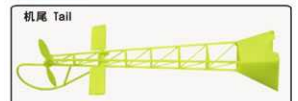
充电器 Charger

EK1-0326



五金配件
Hardware set

EK1-0327Y



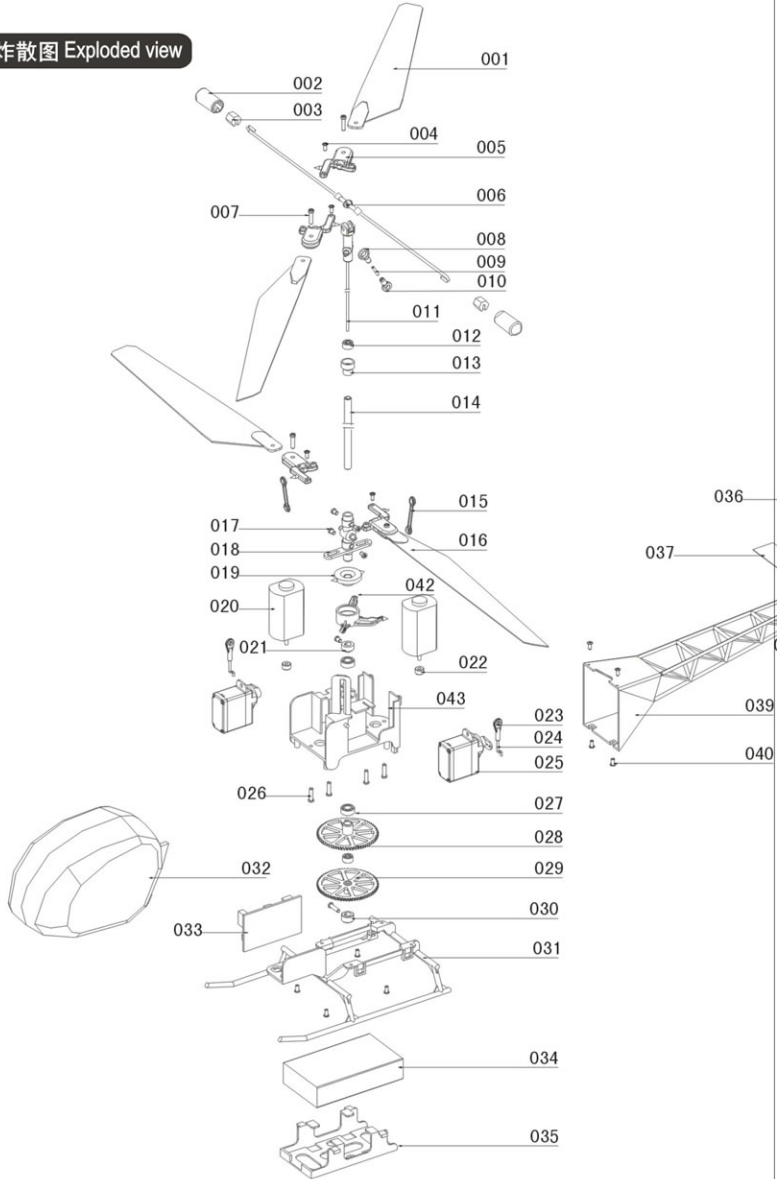
机尾 Tail

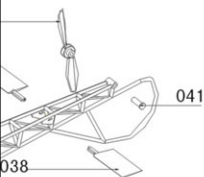
EK1-0327S



机尾 Tail

机体炸散图 Exploded view





| Item Number | Description | Qty need |
|-------------|----------------------------|----------|
| 001 | Plastic blade A 主旋翼A | 2 |
| 002 | Stabilizing weight 稳定锤 | 2 |
| 003 | Balance weight 配重块 | 2 |
| 004 | Screw(TWB1.7*4) 螺丝 | 4 |
| 005 | Main blade grip set 主旋翼夹头组 | 4 |
| 006 | FlyBar 平衡杆 | 1 |
| 007 | Screw(M2*8) 螺丝 | 4 |
| 008 | Control link A 拉杆A | 1 |
| 009 | Threaded bar (M1.4*8) 无头螺杆 | 1 |
| 010 | Control link B 单孔拉杆B | 1 |
| 011 | Inner shaft A 主旋头A | 1 |
| 012 | Bearing2*6*3 轴承 | 2 |
| 013 | Frame Bearing 机身轴承 | 1 |
| 014 | Main Bearing B 轴承B | 1 |
| 015 | Plastic blade B 主旋翼A | 2 |
| 016 | Plastic blade B 主旋翼B | 2 |
| 017 | Screw(ISO2*2.5) 螺丝 | 5 |
| 018 | Inner shaft B 主旋头A | 1 |
| 019 | Inner swashplate 内倾斜盘 | 1 |
| 020 | Motor 180 180马达 | 2 |
| 021 | Fix collar 固定座 | 1 |
| 022 | Copper pinion 铜座 | 2 |
| 023 | Push-rod head 拉杆头 | 2 |
| 024 | Push-rod 拉杆 | 2 |
| 025 | Servo 伺服器 | 2 |
| 026 | Screw(ISO2*4) 螺丝 | 5 |
| 027 | Bearing 4*8*3 轴承 | 2 |
| 028 | Main gear B 齿轮组B | 1 |
| 029 | Main gear A 齿轮组A | 1 |
| 030 | Gear fix collar 齿轮固定座 | 1 |
| 031 | Landing skid 滑撬 | 1 |
| 032 | Cabin 机壳 | 1 |
| 033 | '4in1'controller 四合一 | 1 |
| 034 | Battery 电池 | 1 |
| 035 | Battery frame 电池架 | 1 |
| 036 | Tail blade 尾翼 | 1 |
| 037 | Right balance blade 右平衡翼 | 1 |
| 038 | Left balance blade 左平衡翼 | 1 |
| 039 | Tail frame 尾机身 | 6 |
| 040 | Screw(TPB 1.7*4) 螺丝 | 8 |
| 041 | Tail blade shaft 尾翼轴 | 1 |
| 042 | Outer swashplate 外倾斜盘 | 1 |
| 043 | Main frame 机架 | 1 |

双桨系列的安装 Assembly for Co-axial helicopters



1. 没装升级件之前
Before assembling the upgrade parts.



2. 将倾斜盘装入主轴
Install the swashplate on the main axle.



3. 下中心座组装入主轴
Install the bottom central holder set onto the main axle.



4. 夹头片锁紧
Lock up the grip set.



5. 夹头片装在下中心座组上并用螺丝锁紧
Install the grip set onto the bottom central holder set and lock it up with the screws.



6. 固定环装上主轴
Install the retainer ring on the main axle.



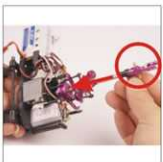
7. 双孔连杆连接倾斜盘与旋转夹头
Connect the swashplate and main blade grip set with the ring-like push-rod.



8. 伺服器摆臂上的拉杆头与倾斜盘连接
Connect the push-rod on the servo horn with the swashplate.



9. 调整倾斜盘和下中心座组位置与伺服器摆臂平行即可
Adjust the swashplate and bottom central holder set, make it parallel with the servo horn.



10. 中心座组装入主轴
Install the central hub set onto the main axle.



11. 主齿轮装入中心座组
Assemble the main gear on the central hub set.



12. 齿轮固定环锁紧主齿轮
Lock up the main gear with the gear retainer ring.



13. 夹头片装上中心座组并用螺丝锁紧
Install the grip set on the central hub set and lock it up with screws.



14. 主旋翼B装上夹头片并用螺丝锁紧
Install the grip set on blade B and lock up with screws.



15. 主旋翼A装上夹头片并用螺丝锁紧
Install the grip set on blade A and lock up with screws.



16. 稳定锤装上中心座组
Install the stabilizer set on the central hub set.

双桨系列的安装 Assembly for Co-axial helicopters



17. 锁紧稳定锤
Lock up the stabilizer set.



18. 单孔拉杆与主翼夹头连接
Connect the control link with the main blade grip set.



19. 装好之后图
Assembled.



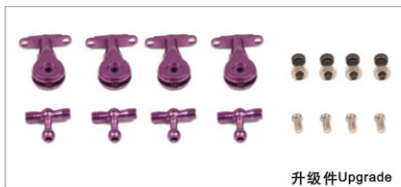
升级件Upgrade

EK5-0209
倾斜盘
Swashplate



升级件Upgrade

EK5-0207
下中心座组
Bottom Central holder set



升级件Upgrade

EK5-0210
夹头片
Mainblade grip set



升级件Upgrade

EK5-0206
中心座组
Central hub and shaft set(upper)