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Thank you for buying Agile products. Please read this manual carefully before assembling. We recommend that you keep this manual for future reference regarding tuning and maintenance.

感谢您选购 KDS AGILE产品, 请您详细的阅读完这本说明书之后再进行组装以及操作这台直升机,同时 请您妥善的保存这本说明书,作为日后进行调整以及 维修与参考。

机身长度: 1065mm 机身高度: 330mm 机身宽度: 182mm 主旋翼直径: 01250 主旋翼长度: 550mm 尾旋翼直径: Ø260mm 尾旋翼长度: 92mm 马达齿:21T 马达KV:1200KV 传动齿轮: (21/54)(17/56) 传动比: 21T(8.89:1) 尾传动比: 3.86:1 空机重量: 2500g(含头罩/主桨/尾桨) 起飞重量: 3200g 电池: 22.2V 4500-5500MAH 电调:120A

Length : 1065mm Height : 330mm Width : 182mm Main Rotor Diameter : Ø1250 Main Blade Length : 550mm Tail Rotor Diameter : Ø260mm Tail Blade Length : 92mm Motor Pinion : 21T Motor KV: 1200KV Driving Gear : (21/54)(17/56) Gear Ratio : 21T(8.89:1) Tail Gear Ratio: 3.86:1 Weight(w/o power) : 2500g (Incl canopy/ main blade/ tail blade) Flying Weight: 3200g Battery : 22.2V 4500-5500mAh ESC: 120A

1.INTRODUCTION

Congratulations on your purchase of the Agile A–5 radio controlled helicopter kit. Agile A–5 was designed in Europe by Eng. Gaziano Roberto and is proudly manufactured by KDS Model. Our goal was to offer you something different with a minimum of parts, easy maintenance, and outstanding flying performances. It's time to fly different!...



Enjoy the built and have a great time with you Agile A-5 !

IMPORTANT NOTES

R/C helicopters, including the AGILE A⁻⁵ are not toys. R/C helicopters utilize various high-tech products and technologies to provide superior performance. Improper use of this product can result in serious injury or even death. Please read this manual carefully before using and make sure to be conscious of your own personal safety and the safety of others and your environment when operating all AGILE products. Agile A⁻⁵, KDS Model, their affiliates and authorized distributors are not responsible for personal injuries to the operators and others, and property damages that could occur from the assembly, maintenance or your use/misuse of this product. Always respect the rules provided by your local remote control aircraft organization.

NOTE FOR ASSEMBLY

The following manual provide important instructions to correctly assemble the model. It is structured in a logical way, based on the work done in previous step. If you change the order, it may result in additional or unnecessary steps. So we suggest you to read this user manual very carefully to understand correctly the assembly procedure. Failure to do so may not only downgrade performances but also increase the risk of danger. Apply thread lock as indicated, allow the threadlock to cure before mounting parts. It is recommended to use threadlock on each bolt or screw that are engaged with metal parts.

2.SAFETY NOTES

• LOCATE AN APPROPRIATE LOCATION

R/C helicopters fly at high speed, thus posing a certain degree of potential danger. Choose an appropriate flying site consisting of flat, smooth ground, a clear open field, or a large open room, such as gymnasium or warehouse without obstacles. Do not fly near buildings, high voltage cables, or trees to ensure the safety of yourself, others and your model. Do not play your model in inclement weather, such as rain, wind, snow or darkness.

• OBTAIN THE ASSISTANCE OF AN EXPERIENCED PILOT

Before turning on your model and transmitter, check to make sure no one else is operating on the same frequency. Frequency interference can cause your model, or other models to crash. The guidance provided by an experienced pilot will be invaluable for the assembly, tuning, trimming, and actual first flight(recommend you to practice with computer-based flight simulator).

• ALWAYS BE AWARE OF THE ROTATING BLADES

During the operation of the helicopter, the main rotor will be spinning at a high rate of speed. The blades are capable of inflicting serious bodily injury and damage the environment. Be conscious of your actions, and careful to keep your face, eyes, hands, and loose clothing away from the blades. Always fly the model a safe distance from yourself and others, as well as surrounding objects. Never take your eyes off the model or leave it unattended while it is turned on. Immediately turn off the model and transmitter when you have landed the model.









1.简介

恭喜你购买 AGILE A-5 无线电遥控直升机, AGILE A-5 是来自欧洲的设计师ENG.Gaziano Roberto 设计,由 KDS 模型生产制造完成。我们的目标是用最少的配件,为客户提供高质量产品,容易维护以及达到出色的飞行



享受您的Agile A-5 直升机并玩得愉快!

重要声明:

KDS AGILE A-5 遥控直升机并非玩具, 它是结合了许多高科技产品所设计出来的休闲用品, 所以商品的使用不 当或不熟悉都可能会造成严重伤害甚至死亡,使用之前请务必详读使用说明书,勿轻忽并注意自身安全,任何 遥控直升机的使用,制造商和经销商是无法对使用者于零件使用的损耗异常或组装不当所发生之意外负任何责 任,本产品是提供有操作过模型直升机经验的成人或者有相当技术的人员在旁指导,以确保安全无虞下操作使 用,产品售出后本公司将不负任何操作和使用控制上的任何性能与安全责任。KDS公司,附属子公司和授权分销 商不承担任何的个人伤害以及其他,永远遵守当地为遥控模型飞机提供的规范。

2. 安全注意事项

远离障碍物及人群

直升机飞行时具有一定的速度,相对的也潜在一定危险性,场地的选择也相对的重 要,请遵守法规到合适遥控飞行场地飞行。必须注意周围有没有人,高楼,建筑物, 高压电线,树木等等,避免操控的不当造成自己与他人财产的损坏。 初次练习时,务 必选择在空旷合法专属飞行场地并适当搭配练习架飞行,这对飞行失误造成的损伤将 会大幅的降低。 请勿在下雨,打雷等恶劣天气下操作,以确保本身及机体的安全。

避免独自操控

至飞行场飞行前,需确认是否有相同频率的同行正进行飞行,因为开启相同频率的发射机将导 致自己与他人立即干扰等意外危险。遥控飞行操控技巧在学习初期有一定的难度,要尽量避免 独自操作飞行,需有经验的人士在旁指导,才可以操控飞行。(勤练模拟器及老手指导是入门 必要的选择)。

 远离运转中零件 当直升机主旋翼与尾旋翼运转时,切勿触摸并远离任何物件,以避免造成危险与损坏。













• PREVENT MOISTURE

R/C models are composed of many precision electrical components. It is critical to keep the model and associated equipment away from moisture and other contaminants. The introduction or exposure to water or moisture in any form can cause the model to malfunction resulting in loss of use, or a crash. Do not operate or expose to rain or moisture.

• KEEP AWAY FROM HEAT

R/C models are made up of various forms of plastic. Plastic is very susceptible to damage or deformation due to extreme heat and cold climate. Make sure not to store the model near any source of heat such as an oven, or heater. It is best to store the model indoors, in a climate-controlled, room temperature environment.

• PROPER OPERATION

Please use the replacement of parts on the manual to ensure the safety of instructors. This product is for R/C model, so do not use for other purpose.

• SAFE OPERATION

Operate this unit within your ability. Do not fly under tired condition or improper operation, which may cause danger.

3.Safety Check Before Flying

Before flying, for safety reasons, make sure that no one else is operating a R/C model on the same frequency as yours. Before flying, please check that the power of your transmitter and your helicopter are sufficient for the flight. Before turning on the transmitter, please check that the throttle stick is in its lowest position, IDLE UP switch must be on OFF position.

When turning off the model, please follow the power on/off procedure. Power ON: turn on the transmitter first, then turn on helicopter power. Power OFF: turn off the helicopter power first and then turn off the transmitter. Improper operating procedure

may cause the model to be out of control, so please do make this your habit.

Before operation, check that every movement is smooth and directions are correct. Inspect servos carefully for interferences and broken gears.

Check for missing or loose screws and nuts. See if there is any cracked and/or incomplete assembly of parts.

Check main rotor blades and rotor holders carefully. Broken and premature failures of parts might result in a dangerous situation or crash.

Check all ball links to avoid excess play and replace as needed. Failure to do so will result in poor flight stability. Check that the battery and power plugs are fastened. Vibrations and violent flight might loosen the plugs and so lead to out of control.

Check for the tension of main drive belt.

4. Tools Required

- -Hex drivers : 1.5, 2, 2.5, 3, 4mm
- -Nut Drivers : 5. 5, 7mm
- -Ball link pliers
- -Diagonal cutting pliers
- -Scissors
- -Metric ruler
- -Soldering iron + solder (for motor and ESC wiring)
- -Pitch gauge (for set up)
- -Swashplate leveller
- -Threadlock blue * (medium)
- -Threadlock red * (high strength)
- -Bearing retainer compound
- -Epoxy A+B Glue
- -Grease
- -Oil

*Colors may vary depending on your area.



Page 03









・远离潮湿环境

直升机内部也是由许多精密的电子零器件组成,所以必须绝对的防止潮湿或水气,避 免在浴室或雨天时使用,防止水气进入机身内部而导致机件及电子零件故障而引发不 可预期的意外!

远离热源

- 遥控飞机多半是以PA维修或聚乙烯,电子商品为主要材质,因此要尽量远离热源,日
 晒以避免因高温而变形甚至熔毁损坏的可能。
- 勿不当使用本产品

请勿自行改造加工,任何的升级改装或维修,请使用KDS产品目录中的零件,以确保结构的安全,请确认于产品界限内操作,请勿过载使用,并勿用于安全,法令外其它非法用途。

● 安全操作

请于自己能力内及需要一定技术范围内操作这台直升机,过于疲劳,精神不佳或不当 操作,意外风险可能会提高。

3.飞行前安全检查重要事项

每次飞行前应先确认所使用的频率是否会干扰他人,已确保你自身与他人的安全。

每次飞行前确定你发射机与直升机电池的电量是否足够飞行的状态。

开机前确认油门摇杆是否位于最低点,熄火降落开关,定速开关(IDLE)是否于关闭状态。

关机时必须遵守电源开关机程序,开机时应先开启发射机后,再开启直升机电源,关机时应先关闭直升机电 源,再关闭发射机电源,不正确的开关机程序会造成失控现象,影响自身与他人的安全,请养成正确的习 惯。

开机请先确定直升机的各个动作是否顺畅,及方向是否正确,并检查伺服的动作是否有干涩或崩齿的情形, 使用故障的伺服将会导致不可预期的危险。

飞行前确认没有缺少或者松眼的螺丝与螺帽,确认没有组装不完整或损毁的零件,仔细检查主旋翼是否有损 坏,特别是接近主旋翼夹座的部位。

损坏或组装不完整的零件不仅影响飞行,更会造成不可预期的危险。

注意: 对损坏,有裂痕零件更新及定期保养检查的要性,检查所有的连杆头是否有松脱的情形,过松的连杆 头应先更新,否则将造成直升机无法操控的危险。

确认电池及电源接头是否固定牢靠,以及主传动皮带的拉力,飞行中的震动或激烈的飞行,可以造成接头松 脱/皮带磨损及失控的危险。

4.自行必备的工具

- •对边六角螺丝刀:1.5,2,2.5,3,4 MM
- •六角套筒: 5.5,7MM
- 球头钳
- 斜口钳
- ・剪刀
- ・直尺
- 焊铁+焊锡(焊马达+电调转接头)
- 螺距规
- 十字盘水平仪
- 蓝色螺丝胶(中等)
- 红色轴承胶(高强度)
- •环氧树脂A+B胶
- ・润滑油



Page 04





7. 组装说明 ASSEMBLY SECTION







7. 组装说明 ASSEMBLY SECTION

十字盘导轨 Swashplate Anti-rotation bracket



Bearing φ10Xφ19X5

杯头内六角螺丝 Hexagon socket head cap screws M2. 5X8



半圆头内六角螺丝 Hexagon socket screws M3X6

中型舵机固定支架 Medium sized servo mounting frame

中型舵机固定支架



M3X10

杯头内六角螺丝 Hexagon socket head cap screws





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舵机压片 Servo plate

杯头内六角螺丝 Hexagon socket head cap screws M2. 5X10



7. 组装说明 ASSEMBLY SECTION



























