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外观专利号:
2014304598566

功能专利号:
201420491756.6

Counterfeiting 仿冒必究

飞天遁地
FLY OR
使用说明书
INSTRUCTION MANUAL

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| Accessories list 配件列表 | | | |
|--|--|--|---|
| Part name: Case 零件名称: 机壳 | Part name: AB Blade 零件名称: AB风叶 | Part name: Lithium Battery 零件名称: 锂电池 | Part name: Webcam 零件名称: 摄像头 |
| Part name: Support tube 零件名称: 支撑管 | Part name: Battery case 零件名称: 电池盒 | Part name: Colorful LED Light 零件名称: LED七彩灯条 | Part name: Motor (Red and blue) 零件名称: A电机 (红蓝) |
| Part name: Motor (Black and white) 零件名称: B电机 (黑白) | Part name: Circuit board (reception) 零件名称: 电路板 (接收) | Part name: Main frame 零件名称: 主架 | Part name: Spindle 零件名称: 主轴 |
| Part name: AB Wheel 零件名称: AB轮子 | Part name: AB Paul box (with driver) 零件名称: AB保箱 (带驱动) | Part name: AB Motor seat 零件名称: AB电机座 | |

| Standard Accessories 标准配件 | | | |
|-------------------------------|---------------------|-------|----------|
| charging cable x 1 充电线 x 1 | Blade x 4 风叶 x 4 | | |
| Packaging List 包装清单 | | | |
| NO | PART NAME | 零件名称 | QUANTITY |
| 1 | Instruction Manual | 使用说明书 | 1 |
| 2 | Aircraft | 飞行器 | 1 |
| 3 | Charger | 充电器 | 1 |
| 4 | Li-po battery | 锂电池 | 1 |
| 5 | Blade | 风叶 | 4 |

| Warning 警告 | |
|---|--|
| <p>■ Read the ENTIRE instruction manual to become familiar with the features of the product before operating. Failure to read the product correctly can result in damage to the product, personal property and cause serious injury. This is a sophisticated hobby product. It must be operated with caution and common sense and requires some basic mechanical ability. Failure to operate this Product in a safe and responsible manner could result in injury or damage to the product or other property. This product is not intended for use by children without direct adult supervision. This manual contains instructions for safety, operation and maintenance. It is essential to read and follow all the instructions and warnings in the manual, prior to assembly, setup or use, in order to operate correctly and avoid damage or serious injury.</p> <p>■ 操作前, 请阅读整个说明书以了解产品的功能。未能正确地操作本产品可能会导致产品损坏, 对人身财产造成严重损害。这是一个复杂的模型产品, 而不是一玩具。它不仅需要谨慎操作和常识, 还需要具备操作模型和制作能力。若未能安全使用该产品, 会损坏该产品或者对人身, 或者对其他财产造成损失。本产品不适合没有成人监督下的儿童直接使用。本产品内容包含安全、操作、维护、因此, 在装配、安装或使用产品前, 我们必须阅读并遵守本手册中所有的指示和警告, 以便正确操作, 避免造成损坏或人身伤害。</p> | |
| Introduction 简介 | |
| <p>■ Thank you buy this product! This is an energy in the room, four-axis aircraft flying outside, in order to make it easier and easier to control the aircraft, please carefully reading this manual before operating this aircraft units, and please keep this manual for future adjustments and maintenance of reference.</p> <p>感谢您选购该产品! 这是一台能在室内、外飞行的4轴飞行器。为了让您更方便、更容易操控飞行器, 请您仔细阅读完此说明书, 再操作此台飞行器, 同时请您妥善保管这本说明书, 作为日后调整及维修的参考。</p> <p>■ Before your first flight, please take the time to carefully read this manual containing important flight information, which will help it your first flight, to become a great course.</p> <p>在你第一次飞行前, 请花时间仔细 阅读本手册含重要的飞行资料, 这将有助您您的第一次飞行, 成为一名伟大的历程。</p> | |
| Additional Safety Precautions and Warnings 附加安全措施防范和警告 | |
| <p>1. Age Recommendation: Not for children under 14 years. This is not a toy. 2. Always operate your model in open spaces away from full-size vehicles, traffic and people. 3. Always carefully follow the directions and warnings for this and any optional support equipment (chargers, rechargeable battery packs, etc.). 4. Always keep all chemicals, small parts and anything electrical out of the reach of children. 5. Always avoid water exposure to all equipment not specifically designed and protected for this purpose. Moisture causes damage to electronics. 6. Never place any portion of the model in your mouth as it could cause serious injury or even death. 7. Never operate your model with low transmitter batteries.</p> <p>1. 年龄建议: 不适合14岁以下的儿童, 这不是一个玩具。 2. 始终在开放的空间操作你的模型, 远离车辆、交通和人。 3. 必须仔细地遵循操作说明和警告, 以及任何可选的支持设备。(充电器, 可选充电电池等) 4. 始终保持远离所有的化学品, 细小部件用电子设备需远离儿童接触。 5. 应避免与水接触, 尤其此设备的设计不具备防水功能; 水汽也会导致电子产品损害。 6. 切勿将模型的任何部件放在嘴里, 因为它可能会导致严重受伤甚至死亡。 7. 当发射机电池电压过低时切勿操作你的模型。</p> | |

| Warning and the guide of using battery 电池使用警告与向导 | |
|---|--|
| <p>CAUTION: All instructions and warnings must be followed exactly. Mishandling of Li-Po batteries can result in a fire, personal injury, and/or property damage.</p> <p>1. By handling, charging the battery or using the included Li-Po battery you assume all risks associated with lithium batteries.</p> <p>2. If at any time the battery begins to balloon or swell, discontinue use immediately. If charging or discharging, discontinue and disconnect. Continuing to use, charge or discharge a battery that is ballooning or swelling can result in fire.</p> <p>3. Always store the battery at room temperature in a dry area for best results.</p> <p>4. Always transport or temporarily store the battery in a temperature range of 40-120°F. Do not store battery or model in a car or direct sunlight. If stored in a hot car, the battery can be damaged or even catch fire.</p> <p>5. Never use a Ni-CD or Ni-MH charger. Failure to charge the battery with a compatible charger may cause fire resulting in personal injury and/or property damage.</p> <p>6. Never exceed the recommended charge rate.</p> <p>7. Never cover warning labels with hook and loop strips.</p> <p>注意: 必须严格遵守所有的指示和警告, 不正确处理聚合物电池可能会: 1. 导致火灾, 导致人身伤害或财产损失。 2. 通过处理, 充电或使用包括锂电池, 你承担所有与锂电池相关的风险。 3. 在任何时间如果电池开始膨胀, 请立即停止使用; 如果充电或放电, 终止和断开; 继续使用, 充电或放电的膨胀电池, 可能会导致火灾。 4. 电池应始终存放在室温下, 在干燥的地方以取得最佳效果。 5. 始终将运输或暂时存放在40-120华氏度的温度范围内, 不要存放在模型车内或直射阳光下。如果在热车内, 电池会被损坏, 甚至着火。 6. 切勿使用镍镉或镍氢电池充电器。不兼容的充电器充电电池可能会引起火灾, 造成人身伤害和财产损失。 7. 电池电压过低时, 千万不要操作你的设备。</p> <p>Notice: When less than 3V, lithium batteries may be damaged or may not accept the charge; when the voltage is below the aircraft flight 3.3V, flight power down significantly, please drop immediately and promptly to charge the battery.</p> <p>注意: 当低于 3V 时, 锂电池可能会被损坏, 或者可能不再接受充电。飞机飞行时电池电压低于 3.3V 时, 飞行动力下降明显, 请立即降落并且及时给电池充电。</p> | |
| Battery Charging 电池充电 | |
| <p>Instructions: With the delivery of USB charging cable to charge the battery USB charging red light is not on. The red indicator light long after the battery is fully charged</p> <p>说明: 用配送的USB充电线给电池充电 充电时USB红色指示灯不亮 电池充满后红色指示灯长亮</p> | |

| Parts List 零件清单 | | | |
|-----------------|---------------------------|-----------|----------|
| NO | PART NAME | 零件名称 | QUANTITY |
| 1 | Case | 机壳 | 1 |
| 2 | A Blade | A风叶 | 2 |
| 3 | B Blade | B风叶 | 2 |
| 4 | Lithium Battery | 锂电池 | 1 |
| 5 | Webcam | 摄像头 | 1 |
| 6 | Support tube | 支撑管 | 4 |
| 7 | Battery case | 电池盒 | 1 |
| 8 | Colorful LED Light | LED七彩灯条 | 4 |
| 9 | A Motor (Red and blue) | A电机 (红蓝) | 2 |
| 10 | B Motor (Black and white) | B电机 (黑白) | 2 |
| 11 | Circuit board (reception) | 电路板 (接收) | 1 |
| 12 | Main Frame | 主架 | 1 |
| 13 | Spindle | 主轴 | 4 |
| 14 | A Wheel | A轮子 | 2 |
| 15 | B Wheel | B轮子 | 2 |
| 16 | A Paul box (with driver) | A保箱 (带驱动) | 2 |
| 17 | B Paul box (with driver) | B保箱 (带驱动) | 2 |
| 18 | A Motor seat | A电机座 | 2 |
| 19 | B Motor seat | B电机座 | 2 |

| Helicopter Parameters 飞行器参数 | | |
|-----------------------------|------|-------------|
| Length | 对角长度 | 320mm |
| Height | 高度 | 130mm |
| Blade length | 风叶长度 | 120mm |
| Battery Specification | 电池规格 | 7.4V 400mah |

| Troubleshooting Guide 如何排除飞行中的异常 | | |
|---|---|---|
| Situation 情况 | Cause 原因 | Way to deal 方式 |
| 1. Receiver status LED blinks continuously for 4 seconds or more (motor stop, battery not inserted). No response to control signal. | Unable to bind to transmitter. | Repeat the power up initializing process. (请重复多次启动并重新初始化过程) |
| 2. No response after battery is connected to helicopter. | 1. power to transmitter and receiver. 2. Check transmitter and receiver voltage. 3. Poor connection between battery and receiver. | 1. Turn on transmitter and ensure flight voltage is fully charged. 2. Use fully charged batteries. 3. Check the battery and ensure good contact between battery contacts. |
| 3. Motor does not respond to throttle stick, helicopter LED flashes. | Helicopter battery depleted. | Fully charge the battery, or replace with a fully charged battery. |
| 4. Main rotor continues to spin after landing. | Throttle trim accidentally increased during flight. | Confirm throttle trim is in center or slightly below. |
| 5. Main rotor spins but unable to takeoff. | 1. Rotor deformation 2. Helicopter battery depleted | 1. Replace main blades 2. Charge or replace with a fully charged battery |
| 6. Strong vibration of helicopter | 1. Rotor deformation | 1. Replace the rotor |
| 7. Tail still off trim after tab adjustment. | 1. Damaged tail rotor 2. Damaged tail drive motor | Replace the rotor Replace the main motor |

| First Flight instruction 首次飞行指挥 | |
|---|--------------------------------------|
| <p>If you are not familiar with fly or control, take a few are familiar with them, and then try your first flight.</p> <p>如果你不熟悉飞天遁地的控制, 花几分钟熟悉它们, 然后尝试你的第一次飞行。</p> | |
| Elevator 升降 | Direction control stick 控制摇杆 (油门/转向) |
| Steering 转向 | Speed trim 油门动作微调 |
| Forward and back 前进后退 | Flying left and right side 左右侧飞 |

| First Flight preparation CAUTION 飞前注意事项 | |
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| <p>1. Make sure the power is sufficient. 2. When the power switch, make sure the throttle stick at the bottom, both sides. 3. Indeed if the same frequency and Aircraft, if an exception on the code again. 4. Looking for a suitable venue flight, away from the crowds, cars, high-voltage towers, reservoirs, etc., can be carried out safe and enjoyable flight</p> <p>1. 确认电源是否充足。 2. 打开电源开关时, 请确认油门摇杆在最下方。 3. 确认与飞行器是否同频, 如果异常请重新对频。 4. 寻找一个合适飞行的场地, 远离人群、车、高压电塔、水塘等, 方可进行安全愉快的飞行。</p> | |
| ADJUSTMENT OF EACH TRIM 飞行动作微调 | |
| <p>Slowly push upward the throttle lever. When the aircraft is flying off the ground, if the aircraft keep inclining to different direction, please use the trimmer key to trim it to fly in normal state.</p> <p>慢慢升起油门摇杆, 当飞行器刚刚离开地面时, 若飞行器偏向不同方向, 可使用微调修正动作。</p> <p>1. Adjustment of elevator trim 调整升降舵微调 Just before the aircraft lift-off, the nose lean forward/backward... When leans forward, adjust the trim to down. When leans backward, adjust the trim to up.</p> <p>在飞前正要起飞时, 飞行前俯/后方向调整... 向前俯时, 微调向下调整。 向后仰时, 微调向上调整。</p> | |
| Battery Charging 电池充电 | |
| <p>Instructions: With the delivery of USB charging cable to charge the battery USB charging red light is not on. The red indicator light long after the battery is fully charged</p> <p>说明: 用配送的USB充电线给电池充电 充电时USB红色指示灯不亮 电池充满后红色指示灯长亮</p> | |

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| 6. Strong vibration of helicopter | 1. Rotor deformation | 1. Replace the rotor |
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| <p>If you are not familiar with fly or control, take a few are familiar with them, and then try your first flight.</p> <p>如果你不熟悉飞天遁地的控制, 花几分钟熟悉它们, 然后尝试你的第一次飞行。</p> | |
| Elevator 升降 | Direction control stick 控制摇杆 (油门/转向) |
| Steering 转向 | Speed trim 油门动作微调 |
| Forward and back 前进后退 | Flying left and right side 左右侧飞 |

| First Flight preparation CAUTION 飞前注意事项 | |
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| <p>1. Make sure the power is sufficient. 2. When the power switch, make sure the throttle stick at the bottom, both sides. 3. Indeed if the same frequency and Aircraft, if an exception on the code again. 4. Looking for a suitable venue flight, away from the crowds, cars, high-voltage towers, reservoirs, etc., can be carried out safe and enjoyable flight</p> <p>1. 确认电源是否充足。 2. 打开电源开关时, 请确认油门摇杆在最下方。 3. 确认与飞行器是否同频, 如果异常请重新对频。 4. 寻找一个合适飞行的场地, 远离人群、车、高压电塔、水塘等, 方可进行安全愉快的飞行。</p> | |
| ADJUSTMENT OF EACH TRIM 飞行动作微调 | |
| <p>Slowly push upward the throttle lever. When the aircraft is flying off the ground, if the aircraft keep inclining to different direction, please use the trimmer key to trim it to fly in normal state.</p> <p>慢慢升起油门摇杆, 当飞行器刚刚离开地面时, 若飞行器偏向不同方向, 可使用微调修正动作。</p> <p>1. Adjustment of elevator trim 调整升降舵微调 Just before the aircraft lift-off, the nose lean forward/backward... When leans forward, adjust the trim to down. When leans backward, adjust the trim to up.</p> <p>在飞前正要起飞时, 飞行前俯/后方向调整... 向前俯时, 微调向下调整。 向后仰时, 微调向上调整。</p> | |
| Battery Charging 电池充电 | |
| <p>Instructions: With the delivery of USB charging cable to charge the battery USB charging red light is not on. The red indicator light long after the battery is fully charged</p> <p>说明: 用配送的USB充电线给电池充电 充电时USB红色指示灯不亮 电池充满后红色指示灯长亮</p> | |

| Troubleshooting Guide 如何排除飞行中的异常 | | |
|---|---|---|
| Situation 情况 | Cause 原因 | Way to deal 方式 |
| 1. Receiver status LED blinks continuously for 4 seconds or more (motor stop, battery not inserted). No response to control signal. | Unable to bind to transmitter. | Repeat the power up initializing process. (请重复多次启动并重新初始化过程) |
| 2. No response after battery is connected to helicopter. | 1. power to transmitter and receiver. 2. Check transmitter and receiver voltage. 3. Poor connection between battery and receiver. | 1. Turn on transmitter and ensure flight voltage is fully charged. 2. Use fully charged batteries. 3. Check the battery and ensure good contact between battery contacts. |
| 3. Motor does not respond to throttle stick, helicopter LED flashes. | Helicopter battery depleted. | Fully charge the battery, or replace with a fully charged battery. |
| 4. Main rotor continues to spin after landing. | Throttle trim accidentally increased during flight. | Confirm throttle trim is in center or slightly below. |
| 5. Main rotor spins but unable to takeoff. | 1. Rotor deformation 2. Helicopter battery depleted | 1. Replace main blades 2. Charge or replace with a fully charged battery |
| 6. Strong vibration of helicopter | 1. Rotor deformation | 1. Replace the rotor |
| 7. Tail still off trim after tab adjustment. | 1. Damaged tail rotor 2. Damaged tail drive motor | Replace the rotor Replace the main motor |

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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 equipment 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 to 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 into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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 to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.