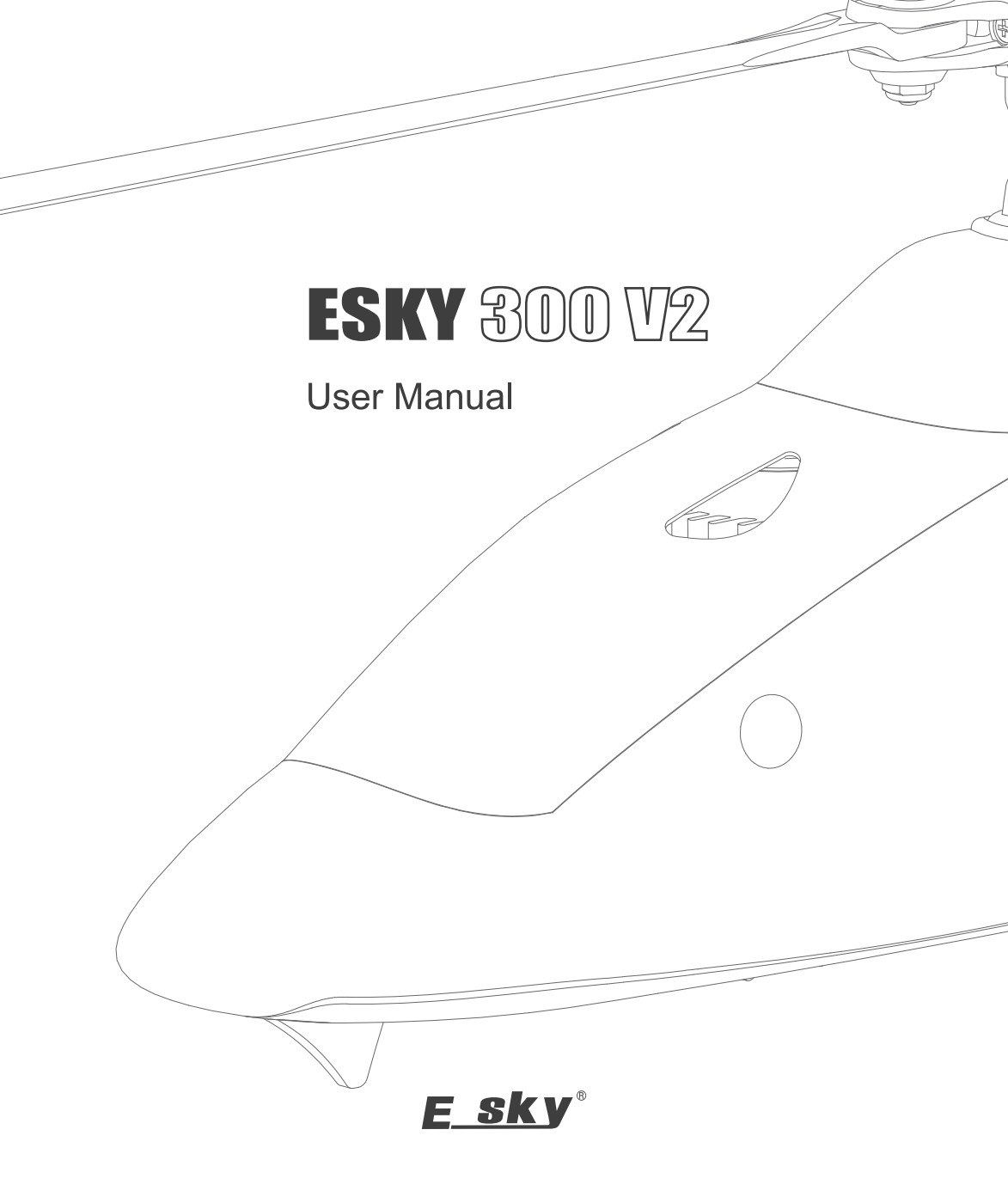


A minimalist line drawing of a helicopter, showing the main rotor blades at the top, the fuselage, and the tail section. The drawing is oriented diagonally across the page.

ESKY 300 V2

User Manual

E_sky[®]

Languages

English	1-10
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RC helicopter is controlled by radio signals. It may be interfered by other radio signals during operation. These interference may cause the helicopter lose control.



- 1. Improper operation to ESKY 300 V2 may lead to damage or loss. It is prohibited for children under 14 years to operate this product.
- 2. Keep it away from high temperature environment for storage and flight.
- 3. Suggested operation temperature: 5-35°C , Humidity: 20-80%.
- 4. Keep away from fan, air conditioner, table light while flying.
- 5. Do not contact the motor in case of damage or injury.



- 1. Keep away from crowds in case of accidents.
- 2. Do not operate ESKY 300 V2 in shower room or under rain. Moisture may go inside the helicopter which may cause electronic parts malfunction and unexpected incident.
- 3. Do not re-equip, upgrade or repair your helicopter with unauthorized parts.
- 4. Keep people and objects away from the spinning unit and parts in case of damage or injury.

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Length	310mm	Tail Rotor Diameter	55mm
Height	88mm	Flying Weight	123g
Main Rotor Diameter	332mm	Flight Time	7 Minutes

Box Contents

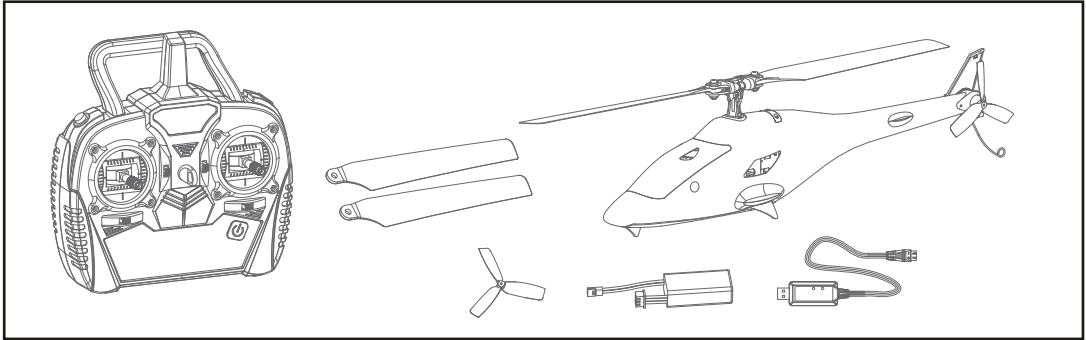
- 1 x ESKY 300 V2 Helicopter

1 x 320mAh 2S 7.4V Li-Po Battery

1 x USB 2S Li-Po Charger
- 1 x 2.4GHz Transmitter

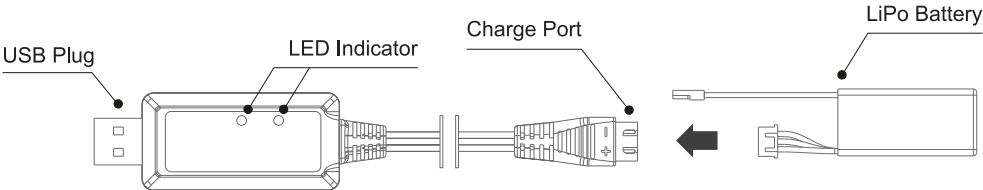
4 x AA Size Alkaline Batteries (Not Included)

2 x Main Blade, 1 x Tail Blade



Battery Charging

- 1) Insert the 7.4V 2S LiPo Battery into the charger and insert the charger into the USB port or a USB power supply.
- 2) The LED on the charger glows solid red and blinking green, indicating charging has begun.
- 3) When the LiPo Battery is fully charged, the LED glows solid red and solid green.



- Red Solid and Green Blinking LED:** Charging

Red and Green Solid LED: Charging Complete

Red Solid LED: Power Connected (Stand By)
- Red Blinking LED Only:** Battery Error

Red and Green Blinking LED: Charger Error

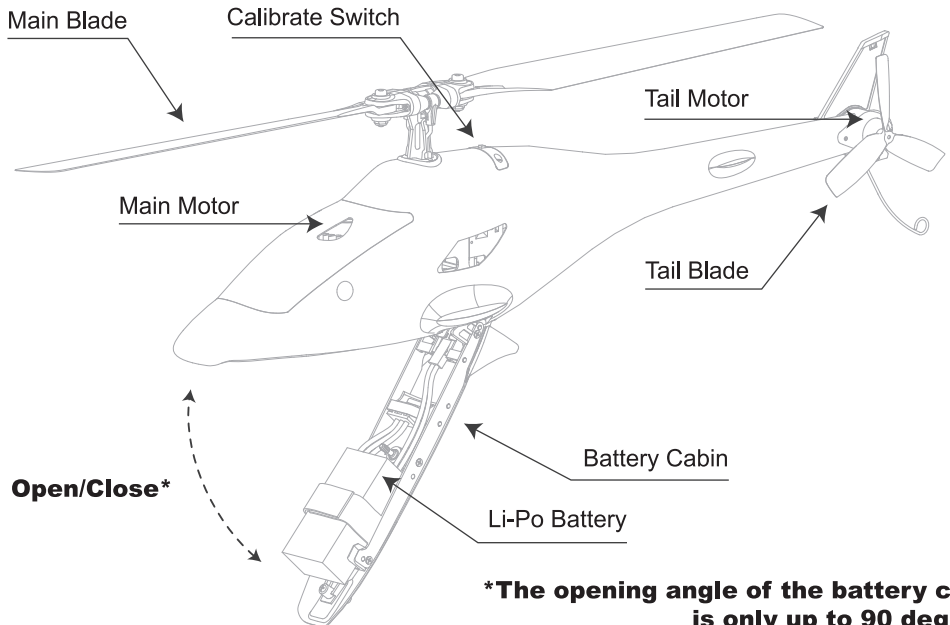
Red Blinking and Green Solid LED: Input (V) too high

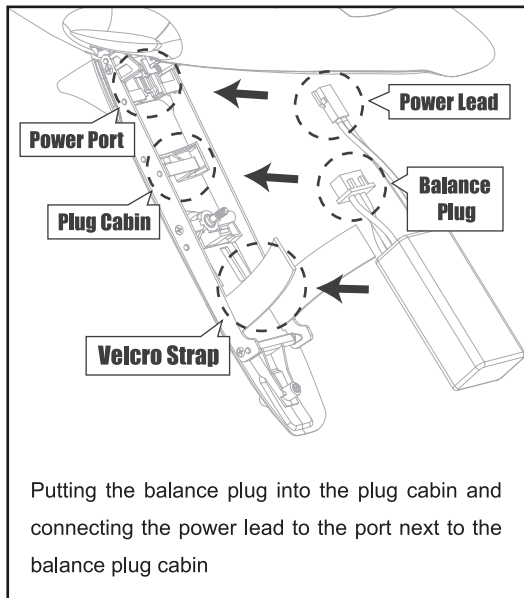
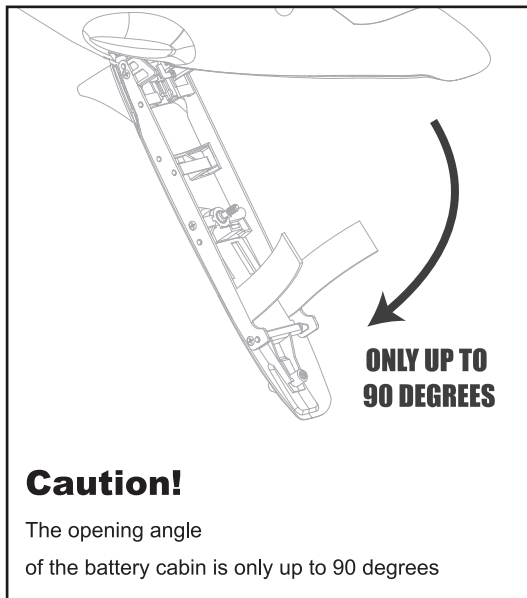
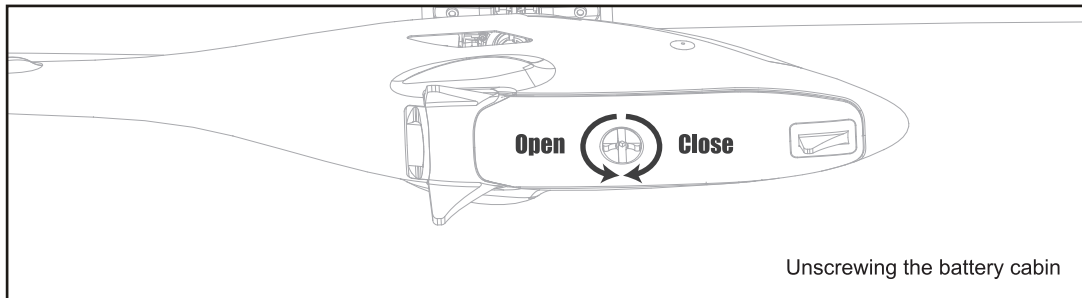
- ☐ Always turn the transmitter on first (4 x AA size alkaline batteries are required for the transmitter)
- ☐ Plug the flight battery into the helicopter
- ☐ Set the CALIBRATE switch in the helicopter to the GREEN dot position and place the helicopter on a level surface
- ☐ Lower the throttle stick to the lowest position in the transmitter and set the THROTTLE CUT switch in the transmitter to the GREEN dot position (The motor will control by throttle and spin at low idle speed)
- ☐ Fly the helicopter
- ☐ Green LED indicator in the helicopter being from solid to flashes slowly, indicating the flight battery voltage is low, Land the helicopter

NOTICE: Ensure set the THROTTLE CUT switch in the transmitter to the RED dot position then set the CALIBRATE switch in the helicopter to the RED dot position after every flight

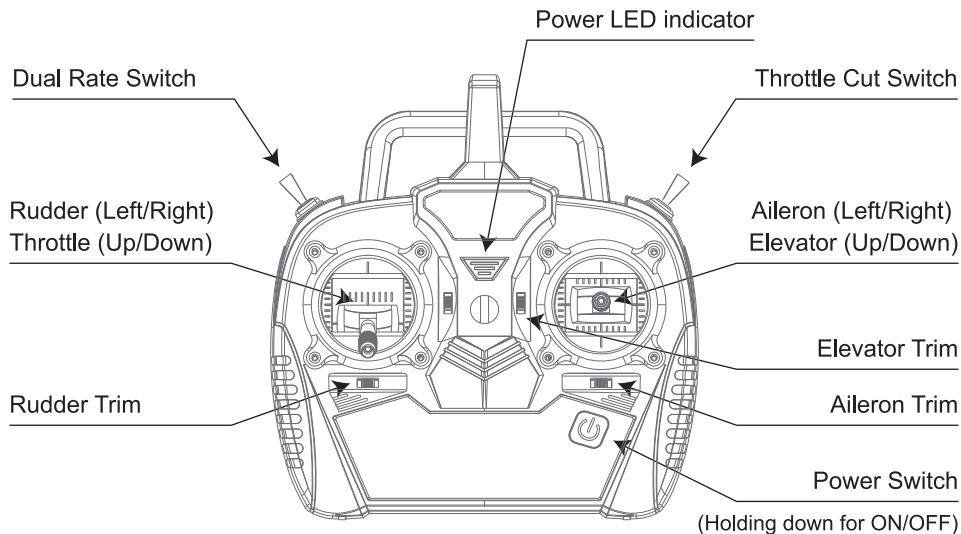
NOTICE: Allow the helicopter to initialize and place the helicopter on a level surface (Initialization time is about 10 seconds, initialize successfully until the LED Indicator in the helicopter from blue flashes rapidly to solid blue)

Helicopter Parts

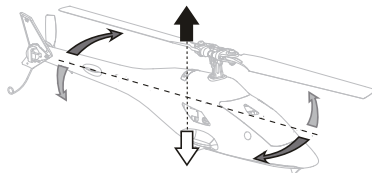




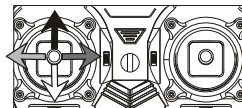
1. Unscrewing the battery cabin
- (Caution: the opening angle of the battery cabin is only up to 90 degrees)**
2. Installing the battery and fixing the battery with the velcro strap
3. Putting the balance plug into the plug cabin
4. Connecting the power lead to the port next to the balance plug cabin
5. Screwing in the battery cabin after closing it



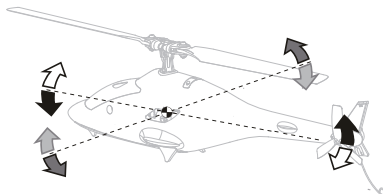
Understanding the Primary Flight Controls Mode 2



Mode 2



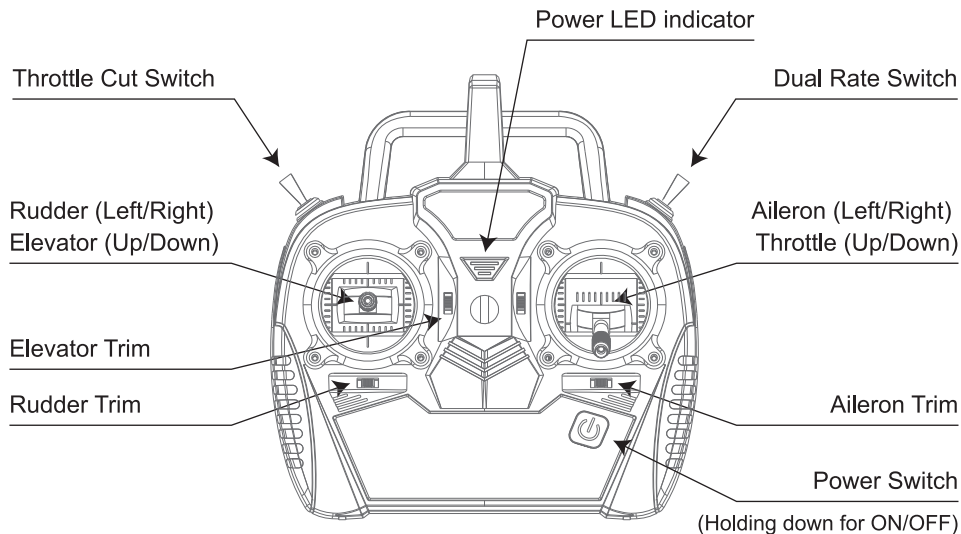
When pushing the "Left Stick" up or down, the helicopter lift up or descend accordingly; This procedure is Throttle control.
When pushing the "Left Stick" left or right, the head of the helicopter turns left or right accordingly; This procedure is Rudder control.



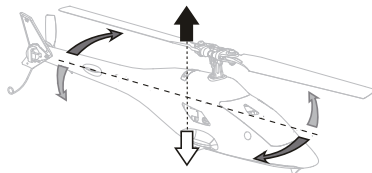
Mode 2



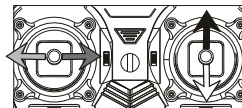
When pushing the "Right Stick" up or down, the helicopter moves forward or backward accordingly; This procedure is Elevator control.
When pushing the "Right Stick" left or right, the helicopter tilts left or right accordingly; This procedure is Aileron control.



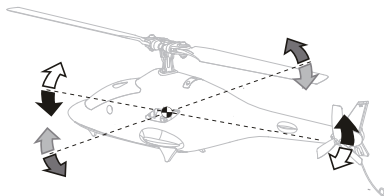
Understanding the Primary Flight Controls Mode 1



Mode 1



When pushing the "Right Stick" up or down, the helicopter lift up or descend accordingly; This procedure is Throttle control.
When pushing the "Left Stick" left or right, the head of the helicopter turns left or right accordingly; This procedure is Rudder control.



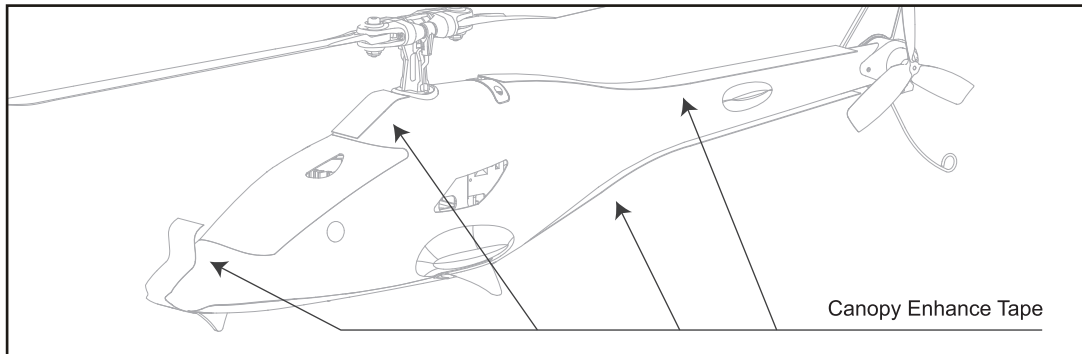
Mode 1



When pushing the "Left Stick" up or down, the helicopter moves forward or backward accordingly; This procedure is Elevator control.
When pushing the "Right Stick" left or right, the helicopter tilts left or right accordingly; This procedure is Aileron control.

The canopy is a fragile parts, a spare Enhance Tape is inside the box for repairing when the canopy cracked. Applying the Enhance Tape to the place where the canopy is bonded as the diagram.

Applying the Enhance Tape before usage, it can strengthen the canopy and reduce the destructiveness.



Throttle Cut

Throttle Cut is used to turn off the motor quickly if the helicopter is out of control. The motor will stop spinning and out of throttle control when Throttle Cut is switched to RED dot position, the motor will continue to spin at low idle speed and control by throttle when Throttle Cut is switched to GREEN dot position and the throttle at the lowest position. If Throttle Cut is switched to GREEN dot position and the throttle position is **NOT** at lowest throttle, the motor will still spin at low idle speed but out of throttle control until the throttle moves to the lowest throttle.

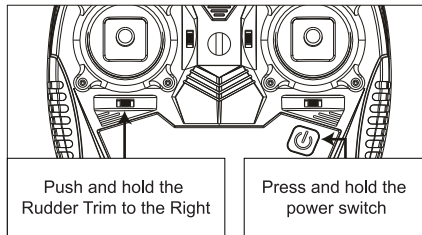
Dual Rate Selection

The control sensitivity can be changed by set the Dual Rate switch HI and LO. When flying with Low Rate(LO) outdoor under windy weather and encounter control difficulty, you can use High Rate(HI).

Transmitter and Receiver Binding

- 1) Power off the transmitter and power on the helicopter, the condition green LED in the helicopter flashes rapidly in a short period of time.
- 2) Push and hold rudder trim to right and power on the transmitter.
- 3) When the condition green LED from helicopter is light up which implies the binding is completed, release the rudder trim button.

(Helicopter was completely binded in the factory setting.)



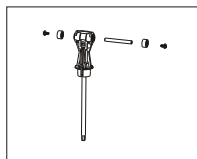
Low Voltage Warning (Transmitter)

The blue power LED indicator flashes slowly when the transmitter battery voltage gets low. Replace the transmitter battery as soon as possible to prevent affecting normal operation.

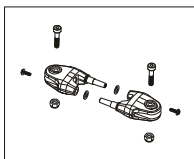
When the blue power LED indicator flashes slowly with beeps during flight, Land the model and replace the transmitter battery immediately. Failure to do so could result in destruction of the model and possibly bodily injury!

Maintenance Tool

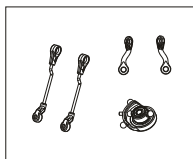
Please use the provided screwdriver to install all the screws. Other tools can damage the screw and the helicopter.



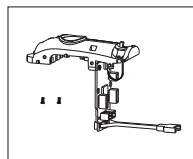
ESKY007996
Main Rotor Housing



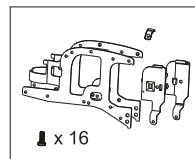
ESKY007997
Main Rotor Blade Grip Set



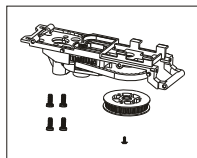
ESKY007998
Swashplate Set



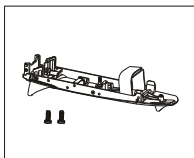
ESKY007949
Multi Control Unit



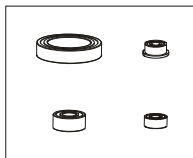
ESKY008000
Main Frame



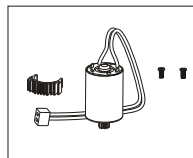
ESKY008001
Transmission Component



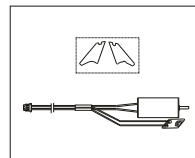
ESKY008002
Battery Cabin



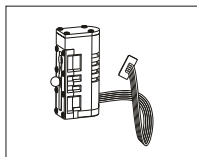
ESKY008003
Bearing Set



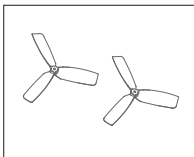
ESKY007950
Main Motor



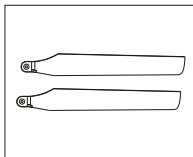
ESKY007951
Tail Motor with LED



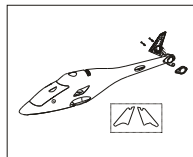
ESKY008004
Linear Servo



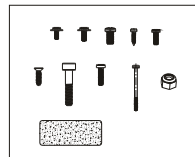
ESKY008005
Tail Blade



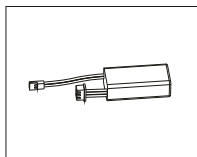
ESKY008006
Main Blade Set



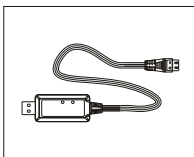
ESKY008007
Fuselage



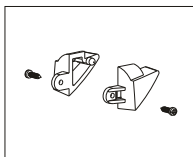
ESKY008008
Screws Set



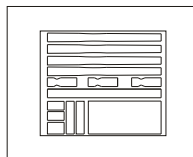
ESKY005867
Li-Po Battery



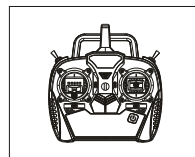
ESKY005907
USB Charger



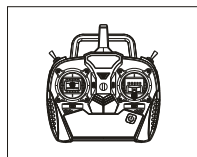
ESKY007999
Light Guide



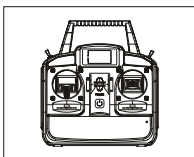
ESKY008447
Canopy Enhance Tape



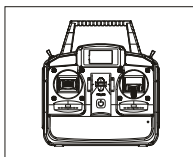
ESKY008083
MINI 6X Transmitter (M2)



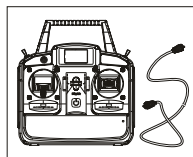
ESKY008083a
MINI 6X Transmitter
(Mode1)



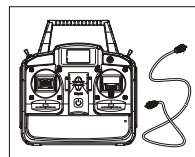
ESKY008085
ECH6 Transmitter
(Mode2)



ESKY008085a
ECH6 Transmitter
(Mode1)



ESKY008575
ECH6 Trainer Transmitter
(Mode2)



ESKY008575a
ECH6 Trainer Transmitter
(Mode1)

Problem: Battery bulge after several flight

Possible Cause: Keep the helicopter spinning when it can no longer be raised or over discharge the battery or long time not in use

(Solution: Replace a new battery)

Problem: Green LED in the helicopter flashes slowly in flight

Possible Cause: LiPo battery low voltage (Solution: Recharge the LiPo battery)

Problem: Green LED in the helicopter flashes rapidly

Possible Cause: Helicopter in Binding Mode (Solution: Power off transmitter and repeat bind process)

Problem: Green LED in the helicopter goes off and blue LED in the helicopter glows solid

Possible Cause: Helicopter do not receive any signal from transmitter (Solution: Rebind or reboot the transmitter)

Problem: Green LED and blue LED in the helicopter goes off

Possible Cause: Battery connection error or battery damaged (Solution: Reconnect the battery or change the new battery)

Problem: Green LED in the helicopter glows solid and blue LED in the helicopter goes off

Possible Cause: Helicopter Calibrate Function not activate (Solution: Set the Calibrate Switch to GREEN in the helicopter)

Problem: Motor do not spin after Initialize successfully but servo works normally

Possible Cause: Throttle Cut Function is activated (Solution: Set the Throttle Cut Switch to GREEN in the transmitter)

Problem: Helicopter skewed slightly in flight

Possible Cause: Incorrect trim value (Solution: Maintain the helicopter level flight by adjusting the trim button)

Problem: Helicopter vibrates or shakes in flight

Possible Cause: Main rotor blade grip or main blade bent (Solution: Check them for damage and replace if necessary)

Problem: Helicopter spin rapidly in flight

Possible Cause: Tail blade installation direction was wrong (Solution: reinstall the tail blade with correct installation direction)

Problem: Helicopter skewed heavily in flight

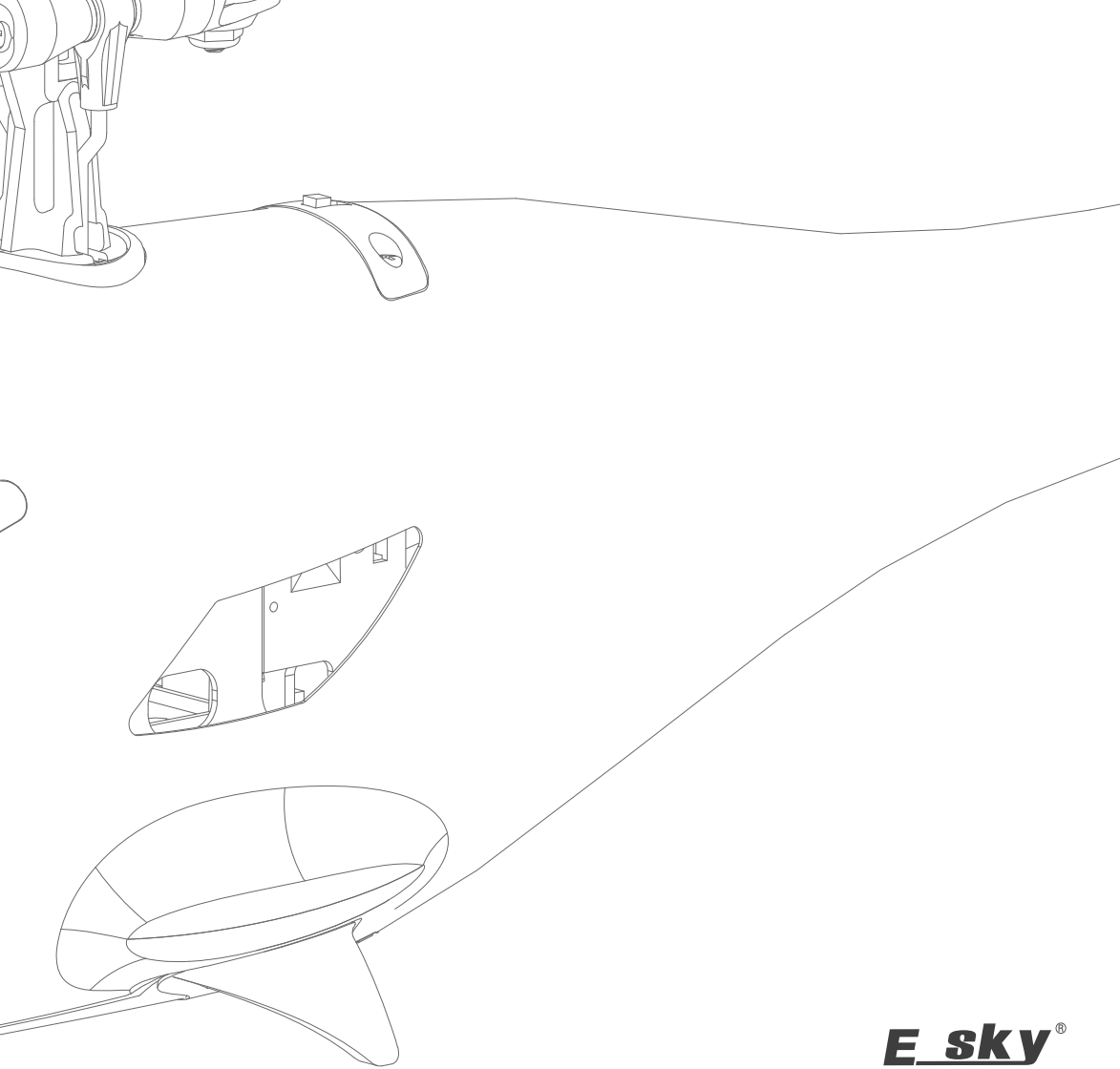
Possible Cause: Servo or linking parts error (Solution: Check each linking parts)

Possible Cause: Incorrect trim value in some direction (Solution: Set all the transmitter trim in the middle or neutral position)

Problem: How to Judge whether the transmitter trim is in the middle or neutral position?

Possible Cause: / (Solution: The middle or neutral trim position is heard as a longer tone)

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All instructions are subject to change at the sole discretion of Zonda Hobby
For up-to-date product literature, visit esky-rc.com and click on the support tab for this product