



INSTRUCTION MANUAL

Ages 8+

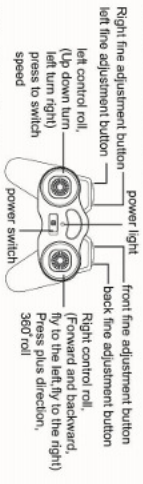
an instruction manual



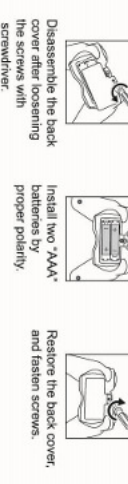
- One-key rollover
 - Colorful light
 - Pliable wings
 - Shock-resistant protection ring
 - Extremely stable hovering in air
- 6-Axis Gyro System 2.4GHz 5Channel 360°Flips
- Please read the instructions carefully before use and keep the reference properly.

1. Packing list
- aircraft X1
 - Remote control X1
 - Instructions X1
 - USB charging line X1
 - Screw driver X1
 - Fan X2 / Fan B X2

2.1 Remote control introduction



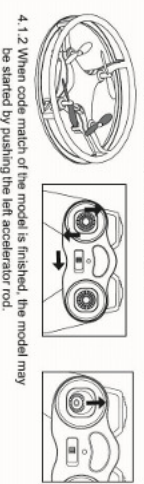
2.2 Installation of remote control battery



3. Model charging

Insert the USB plug into USB port or USB charger (when the light on USB charging wire port is off), then connect charger port of the model with USB charging wire. Red light means the model is being charged, red light means the model has been fully charged. Charging for 4-6h ensures shall support the model to fly for over 5 minutes.

4. Operation guidance
- 4.1 Starting up guidance
- 1) Turn on power switch of the model (white lights on the model will be activated). Four LED lights on the model will start to blink. Put the model on a flat surface.
 - 2) Turn on the remote control (the remote control will "beep", the red light on remote control will blink).
 - 3) Push the left accelerator rod to the highest position, then return the rod to the lowest position (the remote will "beep", and red light on remote control will keep on) to finish code match.



4.1.2 When code match of the model is finished, the model may be started by pushing the left accelerator rod.

4.2 Gyroscope calibration

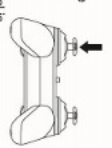
When the model is detached from the proper course after the flight, the gyroscopes of the model will be disturbed. Push the left operation rod to the opposite direction after the model is landed on the model on flat surface, then loosen the rods. The remote control will "beep" with four LED lights on the model blink, which implies that the gyroscopes is processing rescanning and repositioning. The calibration will be finished when LED lights stop blinking.

5. Operation and control

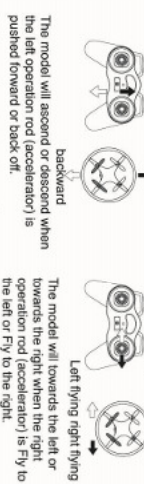
5.1 Instruction about speed switching:

The consumer is allowed to adjust control speed of the model according to actual needs during a flight. Push the left operation rod to activate speed switch. Each press will switch flying speed of the model (as shown in the right picture).

- 1) The remote control will "beep" when low speed model is switched on, i.e. the model flies at 30% of the maximum speed.
- 2) The remote control will "beep beep" low sound when medium speed model is switched on, i.e. the model flies at 60% of the maximum speed.
- 3) The remote control will "beep beep beep" when high speed model is switched on, i.e. the model flies at 100% of the maximum speed.



- 5.2 Instruction about basic operation
- ascend
 - descend
 - Turn left
 - Turn right
 - Left flying right flying



5.3 Instruction about stunt operation

It is recommended for beginners to operate the operation rods slowly so as to protect the model from strike damage caused by excessive operations.

(1) High speed spiral hover (as shown in the picture below)

Turn the speed switch on remote control to the fastest position during a flight. Push the right operation rod to the fastest position, and then push the left operation rod to the left or right. The model will fly in a spiral at high speed. Stop the spiral hover by loosening the left operation rod.



(2) Tornado stunt (as shown in the picture below)

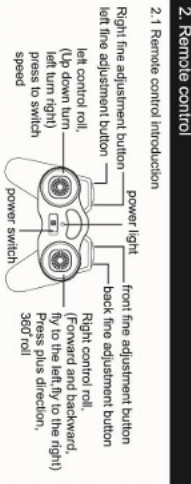
Push the right operation rod to certain direction and do not loosen the rod during a high speed spiral hover, the model will then fly and revolve at high speed like a tornado. Stop the spiral hover by loosening the operation rod.



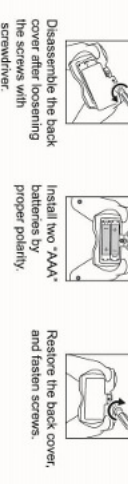
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The model can also revolve vertically by adjusting vertical height of the model during high speed spiral hover or tornado spiral hover.

2.1 Remote control introduction



2.2 Installation of remote control battery

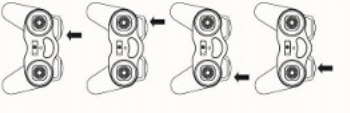


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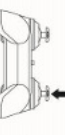
5.4 Fine tune

- Off-course during a flight may be adjusted with corresponding fine adjustment buttons flight status:
- ◆ Press the upper right button on the remote controller (Fine-tuning of the side keys) when the model deviate Forward. The remote control will beep, LED lights on tail of the model will correspondingly blink.
 - ◆ Press the upper right button on the remote controller (The back fine-tuning key) when the model deviate backward. The remote control will beep, LED lights on tail of the model will correspondingly blink.
 - ◆ Press the upper left button on the remote controller (Left fine-tuning key) when the model deviates from the left. The remote control will beep, LED lights on tail of the model will correspondingly blink.
 - ◆ Press the upper left button on the remote controller (Right fine-tuning key) when the model deviates from the right. The remote control will beep, LED lights on tail of the model will correspondingly blink.



6. 360° Rollover Stunt

Rollover stunt function may be activated simply by the light control rod.

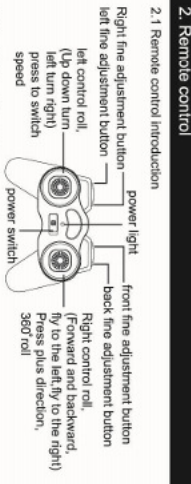


Make the rod operation. To realize better rollover performance, please make sure that the model is at least 1.5m away from the ground. It is recommended to activate rollover function when the model flies upward to ensure appropriate height after the rollover.

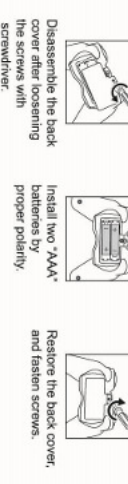
6.1 Leftward 360° rollover
Press the right control rod (the remote control will "beep"), then push the right control rod to the left. The model will roll over leftward.



2.1 Remote control introduction



2.2 Installation of remote control battery

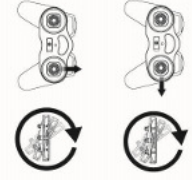


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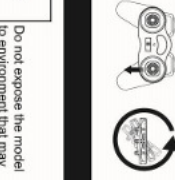
6.2 rightward 360° rollover

Press the light control rod (the remote control will "beep"), then push the right control rod to the right. The model will roll over rightward 360°.



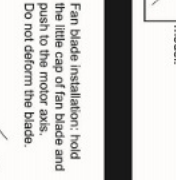
6.3 forward 360° rollover

Press the light control rod (the remote control will "beep"), then push the right control rod to the left. The model will roll over leftward 360°.



6.4 backward 360° rollover

Press the right control rod (the remote control will "beep"), then push the right control rod to the down. The model will roll over rightward 360°.



7. Flight environment



Do not expose the model to environment that may damage or destroy the model.

8. Fan blade assembly

There are requirements about position of fan blades on the model. Flight is only possible when fan blades size matches the frame and A corresponds to B.

Code is as shown in the picture.



Fan blade installation: hold the little cap of fan blade and push to the motor axis. Do not deform the blade.

9. Trouble shooting

- 9.1 Response failure between the remote control and the model
- Solution: 1. Check if the code has been matched. redo the code match.
2. Check electric quantity of battery or replace the battery.
3. Check if the remote control matches to the model.
- 9.2 Rollover failure
- Solution: 1. Restart the rollover function key.
2. Check electric quantity of the lithium battery, and recharge.
3. Check the model fliers.
- Solution: 1. Check for reformation on fan blade, replace with new fan blade.
2. Disconnect the power and restart the model.
3. Place the model on a horizontal plane to recalibrate the gyroscopes.
- 9.4 Ascend failure
- Solution: 1. Fan blade assembly is inappropriate. Check if position of fan blade assembly matches code on the frame.
2. Check for loosening on cover and strike resistant cover of the model, which may interfere operation of the fan blade.
3. Check model battery. Internal and external lights on the model will blink in turns when the model battery requires charging.

10. Colorful light

When you have experienced all those fantastic stunts like 360° rollover, high speed spiral hover and tornado, you can land the model on a horizontal plane, switch the accelerator to the smallest level, and do nothing else. You can find something new by simply looking at the still model.

◆ Four external lights on the model will be activated in turn by pattern of "gradually darkening after gradually brightened" and then "gradually brightening after gradually darkened". Like the model is breathing.
◆ The light pattern will restore and stop the breathing effect when you start the model by pushing accelerator.
◆ Please turn off the power after flight of the model. Please charge the model if required.



Shell caution users that modifications not approved by the party responsible for compliance could void user's authority to operate the equipment.

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 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 the following measures.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the user.
- 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 not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.