



R/C Airlifter

Key Features:

- Full Function Digital Proportional Radio Control
- Presetted Tri-Band System
- Twin Power Motor
- Unique Material Withstand Crashes
- Variable Speed Control



WARNING:

CHOKING HAZARD – Small parts.
Not for Children under 3 years.

"This product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC."



Do not touch the running propeller!
Do not play above someone's head!
Adult supervision is required!

Safety Precautions:

Warning: 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.

- Keep hands, hair and loose clothing away from the propeller when power switch is turned ON.
- Turn off transmitter and Plane when not in use.
- Remove battery from transmitter when not in use.
- Parental guidance is recommended for the flight.
- Keep your plane in your sight so that you can supervise it all the time.
- New and alkaline batteries are recommended for use in transmitter to obtain best and maximum performance.
- You are advised to replace with new batteries as soon as the function becomes impaired.
- Users should keep and retain this information for future reference.
- Users should keep strict accordance with the instruction manual while operation the product.
- Your Transmitter charger is tailor-made for the Li-Poly battery used in plane. Do not use it to charge any battery other than that in the plane.

FCC Statements

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.

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.

Battery Cautions:

- Non-rechargeable batteries are not to be recharged
- Rechargeable batteries are to be removed from the toy before being charged (Transmitter only).
- Rechargeable batteries are only to be charged by an adult
- Different types of batteries or new and used batteries are not to be mixed (Transmitter only).
- Only batteries of the same or equivalent type as recommended are to be used.
- Batteries are to be inserted with correct polarity.
- Exhausted batteries are to be removed from the toy (Transmitter only).
- The supply terminals are not to be short-circuited.

Special Note to Adults:

- Regularly examine for damage to the plug, enclosure and other parts. In the event of any damage, the toy must not be used with the transmitter charger until the damage has been repaired.
- This toy is not intended for children under 3 years old.
- This toy must only be used with the recommended charger
- Do not try to charge other batteries with transmitter Charger.

Battery Cautions:

- Do not recharge the battery if it's hot. Allow it to cool before recharging.
- Do not charge the battery that shows leakage or corrosion.
- Do not disassemble the battery.
- Do not dispose of the batteries in fire.

Care and Maintenance:

- Always remove batteries from the toy when it is not being used for a long period of time. (For transmitter only)
- Wipe the toy gently with a clean damp cloth.
- Keep the toy away from direct heat.
- Do not submerge the toy into water that can damage the electronic assemblies.

Note:

- Parental guidance is recommended when installing or replacing batteries.
- New batteries are recommended to use in this toy to obtain best and maximum performance. (For transmitter)
- You are advised to recharge the battery pack as soon as the function becomes impaired.
- Users should keep and retain this information for future reference.
- Users should keep strict accordance with the instruction manual while operating the product.- Under the environment with electrostatic discharge, the sample may malfunction and require user to reset the sample.

Note: New and Alkaline batteries are recommended to obtain best and maximum performance.

Battery requirement for the plane:

- Power Supply : 
 Rating : DC 4.8 V 9 W
 Batteries : 4 x 1.2 V NiMH batteries
 Requires 4 x 1.2 V NiMH batteries (included)

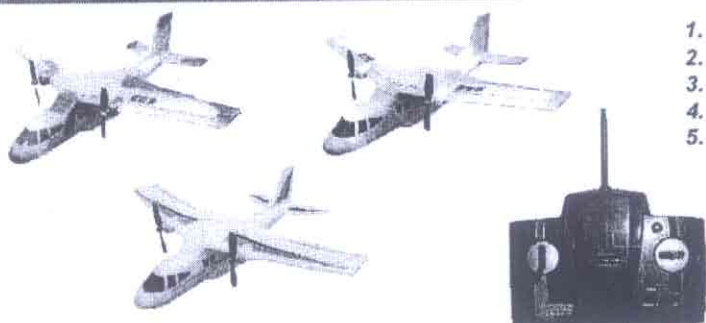
Battery requirement for Transmitter:

- Power Supply : 
 Rating : DC 9 V, 7.2 W
 Batteries : 6 x 1.5 V "AA"/LR6/AM3
 Requires 6 x 1.5 V "AA" size batteries (not included)

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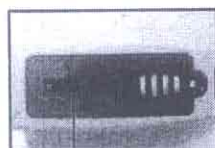
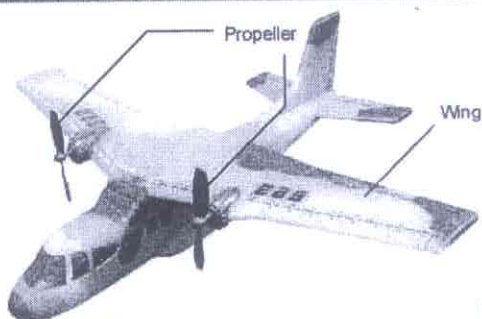
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R/C Airlifter



Charging Socket

Transmitter

Charging to a plug

Left Lever

Antenna

Steering Trimmer

Right Lever

Power LED

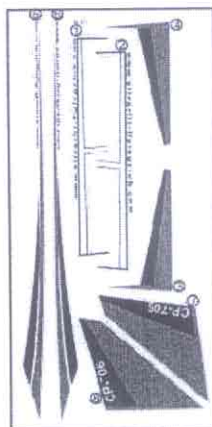
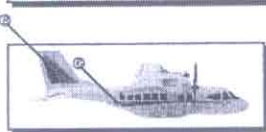
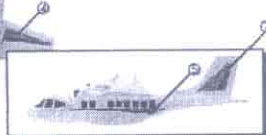
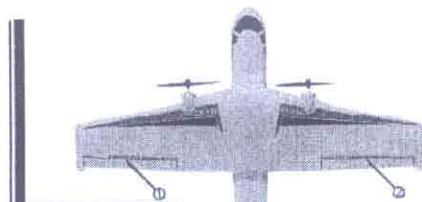
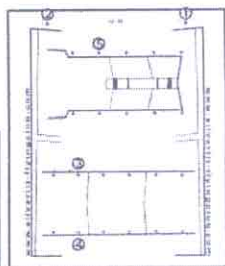
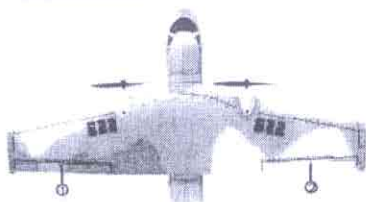
ON/OFF Switch

Charging LED

Battery Cover



Decal Sticker



Flying Preparation:

Battery Installation - Transmitter

1. Use screwdriver to loosen to screws on the battery case in anti-clockwise.(pic.1)
2. Put 6 AA size batteries in the battery compartment as per the polarity shown inside.(pic.2)
3. Tighten the screw in clockwise.(pic.3)



Battery Charging:

Turn off the power of the plane. Put the plug on the transmitter in the socket on the plane. The green LED will light up when the plane is being charged. The green LED will turn off when the battery is fully charged. It may take up to 9 minutes to fully charge the battery and a fully charged battery can serve up to 4 minutes flight. The charging times may vary as to the battery status because your charger has intelligent charging control.

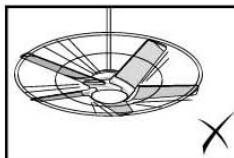


The green LED will light up when the plane is being charged.

The green LED will turn off when the battery is fully charged.

Playground and Weather selection:

- In house: You can play it anytime, be sure to let your R/C Airlifter away from electric fan, air-conditioner.
- Outdoor: It's better in a sunny day, and in calm wind or slight breeze (Esp. no more than Beaufort scale 1 - light air [smoke can float but leaf can't move]).
Precaution: Because of its light weight, it may be blown away under strong wind.
- We suggest you can play it on grass to protect your plane when it impacts on ground.
- Do not play your plane when it is raining, snowing, or near high power cable.



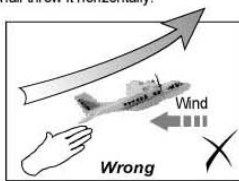
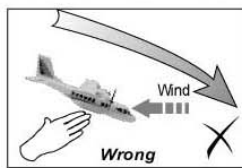
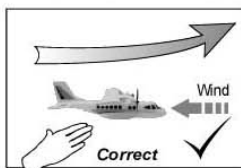
Flying your R/C Airlifter

1. Set the ON/OFF switch on the plane to ON. BE SURE THE TRANSMITTER IS "OFF" when turn on the R/C Airlifter.
2. Screw in the antenna on transmitter.
3. Set the left lever on transmitter to MINIMUM throttle, then set it to ON.
4. Make sure the plane can go nearly straight:
Set the right lever on transmitter in its neutral position, then push the throttle in the middle to drive the plane and hand throw the plane out to see its flying trend. Please tune the steering trimmer to left when the plane has the trend to right or tune trimmer to right when it goes left. Put the left lever to MINIMUM to stop the plane.

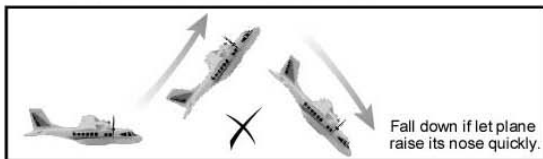
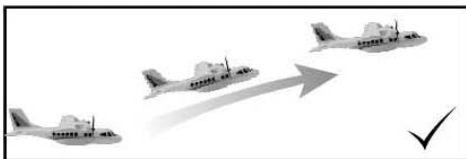


Repeat the above steps several times to make your plane goes straight.

5. Be sure to let the plane face wind when you throw it. Also it is important that you shall throw it horizontally.



6. Set the right lever in its neutral position, then push the throttle to MAXIMUM to drive the plane and hand throw the plane out for flight.



- The correct flight pattern would be:

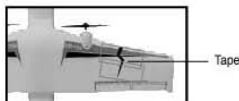
- If the plane raises its nose very quickly, it may fly near stalling speed and fall down. You should pull the left lever down (throttle down) to let it fly in horizon.

7. When your plane can fly stable, you can move the right lever to left or right so that it can turn to left or right. You may need to strike but not hold the right lever for easy adjustment.

The "turning" function depends on the running speed variation between left and right propeller, please note that if the plane response slowly to your command, you should throttle up for better performance.

8. Landing: Turn your plane facing the wind, then throttle down.
9. The table give you a rough idea of the relation between transmitter operating and the plane response.
10. If your plane has minor damage, you can solid it with pressure sensitive tape.

Left Lever	Right Lever	Action
		 <i>Take off and Go up</i>
		 <i>Go down and land</i>
<i>Flying Stable</i>		 <i>Go left</i>
<i>Flying Stable</i>		 <i>Go right</i>



Flying Tips

1. BE SURE THE TRANSMITTER IS "OFF" when turn on the R/C Airlifter.
2. BE SURE THE TRANSMITTER TO "MINIMUM" throttle when turn it on.
3. Aerobatics for advanced user
 - 3.1. Accuracy land: landing your plane in a pre-set area
 - 3.2. Accuracy flying : flying your plane throw a gate.
 - 3.3. Flight racing : flying your plane between 2 points to see who is the fastest.

Trouble Shooting

Symptom	Cause	Correction
Propeller can't move	- ON/OFF Switch is OFF. - Weak Battery.	- Set switch to ON. - Re-charge the battery pack.
R/C Airlifter turns around and descends after taking off	- Trimmer is not tuned properly. - Rudder is not in neutral position.	- Adjust the trimmer. - Re-tune the rudder.
Can't take off or drop down at flight	- Plane doesn't run to the wind before taking off. - Weak power. - Flying at the wrong elevator angle or speed.	- Let the plane run to the wind before taking off. - Re-charge the battery pack. - Play for more skills, such as tune the Throttle Trimmer for precise power control or stroke (not hold) the left control lever on transmitter.
Drop down at the climbing state or before take off	- Weak power.	- Adjust the trimmer.
R/C Airlifter does not react, or react poorly to operation by transmitter.	- High-frequency interference occurred near to high-voltage lines, transformers and some types of building.	- Avoid these if possible, or choose another place to operate the R/C Airlifter.
Loss of control.	- Another radio control R/C Airlifter using the same frequency and channel is operated near your R/C Airlifter. - Out of the control range of distance.	- Move to another place where without radio frequency interference from another device. - Ensure the antenna is fully extended. The R/C Airlifter fly up to 50 meters in open space.