SAFETY WARNINGS

- **AVOID CRASHES!** For maximum product life, fly **ONLY** outdoors in open areas, over soft terrain.
- Keep face, fingers, hair and loose clothing away from the rotor blade(s) and other moving parts.
- Play with this toy with at least 160 feet radius range of open space.
- **DO NOT** expose toy to rain or moisture.
- **DO NOT** play with this toy in a crowded environment or near pets or other animals.
- **DO NOT** play with this toy in a dusty area.
- Inform people in the surrounding area that you are playing with an aerial remote control toy.
- Use only the included Radio Control unit and AC Adapter.
- Remove batteries when not in use.

SEE USER GUIDE FOR SAFETY WARNINGS AND COMPLETE OPERATING INSTRUCTIONS. PLEASE READ ALL INSTRUCTIONS BEFORE USE.

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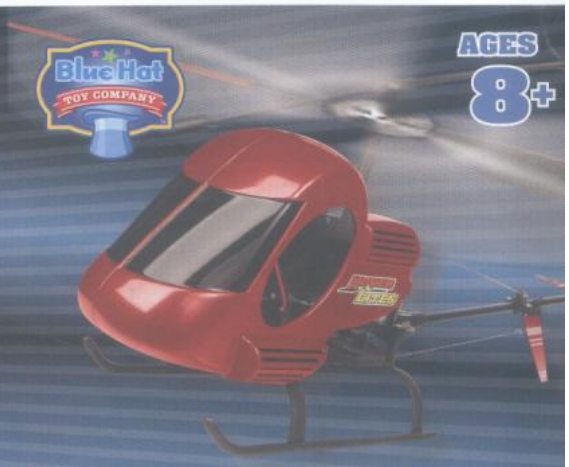

HOVERLITES™
RADIO-CONTROLLED HELICOPTER

QUICK-START USER GUIDE

Please refer to the Instruction Manual for complete safety warnings and other comprehensive material.

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HOVERLITES™
RADIO-CONTROLLED HELICOPTER

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SAFETY PRECAUTIONS

AVOID CRASHES! For maximum product life, fly ONLY outdoors in open areas, over soft terrain.

RADIO CONTROL USER INFORMATION: On the back of the Radio Control unit is the radio frequency on which you control the helicopter. This frequency could be shared with other radio-controlled cars, boats, planes, and helicopters. DO NOT fly your helicopter with a shared frequency on the same flying site. Move to a new site, or wait until other users have finished. Let others know that you will be flying in the same area, and take turns to ensure safety.

Changes or modifications of any kind to your transmitter is not recommended as it may damage the unit.

Changing the set frequency by the consumer is a violation of FCC regulations.

Do not cut or shorten the length of the transmitter or receiver antennae. Doing so greatly reduces the operational range of the radio system. Never operate more than one radio control helicopter, plane or vehicle on the same frequency at the same time, as operational interference may occur.

ROTOR BLADE SAFETY: The helicopter's two rotor blades revolve at very high speeds, and can inflict serious damage to the face, hair, fingers and eyes. Keep spectators behind and away from the spinning blades at all times. Before each flight, make certain that the rotor blade is safely secured to your helicopter. After each flight, inspect for nicks and/or breaks. Do not alter, modify or customize the propeller or other parts of this helicopter, and use only the Radio Control unit and AC Adapter that was supplied. Never fly the helicopter if the rotor span is broken or damaged, and never intentionally crash the helicopter. Doing so can shorten the life of the product and cause potentially harmful breakage.

WARNING! Choking/Cutting Hazard. Small Parts/Sharp Rotor Blades.

BATTERY WARNINGS

- Do not mix alkaline, standard (carbon-zinc) and rechargeable batteries (Nickel Metal Hydride).
- Do not mix old and new batteries.
- Non-rechargeable batteries are not to be recharged.
- Rechargeable batteries are to be removed from the item before being charged (if removable).
- Rechargeable batteries are only to be charged under adult supervision (if removable).
- Exhausted batteries should be removed immediately and must be recycled or disposed of properly according to state or local government ordinances and regulations.
- The supply terminals are not to be short-circuited.
- Only batteries of the same or equivalent type as recommended are to be used.
- Batteries are to be inserted with the correct polarity (see Diagram A, Page 2).
- Do not dispose batteries in a fire - batteries may leak or explode.

RECHARGEABLE BATTERY SAFETY: This helicopter uses one (1) 7.2V 650mAh Ni-MH rechargeable battery. Follow the safety precautions listed below. If fluid leaks from battery, avoid contact with skin and eyes, and properly dispose of battery. If battery no longer stays charged, dispose of battery properly, according to local disposal requirements.

- Only use the charger supplied to charge battery.
- Never charge battery for longer than 4 hours.
- Always discharge battery before charging.
- Do not charge helicopter using a different charging source.
- Do not short-circuit terminals of charger or charge adapter.
- Do not charge battery without proper ventilation.
- If battery gets hot, makes a "popping" sound or leaks liquid, disconnect the charger immediately, let battery cool, then discard battery properly.
- Do not dispose of battery by incineration.

WARNING:
THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

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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.

Blue Hat TOY COMPANY

AGES 8+

INSTRUCTION MANUAL

THIS TOY IS NOT SUITABLE FOR CHILDREN UNDER 8 YEARS OF AGE.

HOVERLITES™
RADIO-CONTROLLED HELICOPTER

PACKAGE CONTENTS:

1. **Helicopter**
2. **Wireless Radio Control**
3. **Telescopic Antenna**
4. **CUL-Approved AC Adapter**
5. **Instruction Manual**
6. **Quick-Start User Guide**

Remove all included items from package with care.
NOTE: Colors and styles may vary.

CAUTION: PLEASE READ BEFORE OPERATING!

- **AVOID CRASHES!** For maximum product life, fly **ONLY** outdoors in open areas, over soft terrain.
- Keep face, fingers, hair and loose clothing away from the rotor blade(s) and other moving parts.
- Play with this toy with at least 160 feet radius range of open space.
- **DO NOT** expose toy to rain or moisture.
- **DO NOT** play with this toy in a crowded environment
- **DO NOT** play with this toy in a dusty area.
- Inform people in the surrounding area that you are playing with a radio control toy.
- Use only the included radio control unit.
- Remove batteries when not in use.

KEEP THIS MANUAL FOR REFERENCE AS IT CONTAINS IMPORTANT INFORMATION.

Battery Installation (Radio Control Unit)

1) Slide battery cover down and remove to expose battery compartment.
2) Insert 8 "AA" size alkaline batteries (not included) using the correct polarity as shown in Diagram A.
3) Replace the battery cover.
4) Attach the antenna to the top of radio control unit by turning it clockwise until it is tight and secure.
5) Extend the antenna completely (to its full length) prior to use. Retract fully when not in use.

NOTE: Alkaline batteries are recommended for best performance.

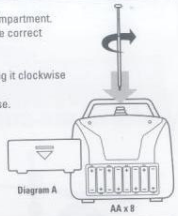


Diagram A

Charging The Helicopter Battery

1) Reach inside the cockpit and disconnect the Ni-MH battery plug from the circuit board plug (Diagram B)
2) Connect the battery plug to the AC Adapter plug (Diagram C) .
3) Plug the AC Adapter into a 110V wall socket to begin charging helicopter battery.
4) Once the charge cycle is complete (about 4 hours for a full charge), unplug the AC Adapter from wall and reconnect the battery plug to the circuit board plug.

NOTE: Should the cockpit housing detach from the helicopter frame, simply snap it back into place. This is normal and should not be considered a defect. However, the Ni-MH rechargeable battery is NOT removable and must remain inside the helicopter's cockpit housing.

NOTE: A full battery charge will take approximately 4 hours. Do not overcharge. Keep battery at approximately room temperature while charging to prevent damage. Should the battery become excessively hot, discontinue charging and let cool. Power switch should be in OFF position when reconnecting battery to circuit.

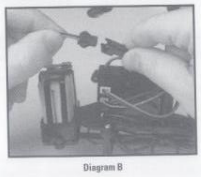


Diagram B


Diagram C

Pre-Flight Checklist and Flying Tips

1) Operate the helicopter only in a wide space, such as an open field or large backyard. You should allow for at least a 160-foot radius range. Avoid dusty or dirty areas.
2) Do not pilot the helicopter near buildings, power lines, other people, animals, vehicles, homes, trees or other large objects nearby.
3) If during operation the helicopter gets stuck in a tree, power line or other obstruction, DO NOT attempt to retrieve it yourself. Seek assistance from an adult.
4) Make sure you are not wearing any loose or long hanging clothing.
5) Make sure you restrain long hair.
6) Do not wear any long, dangling jewelry when operating helicopter.
7) Parental guidance or adult supervision is suggested at all times.
8) If you are flying helicopter with others, make sure all spectators are behind you.
9) For best performance, it is recommended that you operate the helicopter with little or no wind present. Due to the light body frame, wind gusts can affect the steering and stability of the helicopter.

Preparing For Flight / General Controls

1) Fully extend the antenna on the Radio Control unit.
2) Turn the Radio Control unit's power switch to the ON position (to the right). Red LED will illuminate.
3) Move helicopter's power switch down to the ON position (see Diagram D for ON/OFF switch).
4) Place helicopter on open ground, and confirm that no obstacles are present before flying.

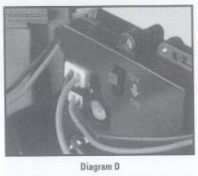
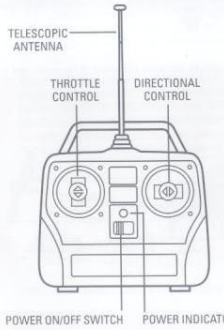


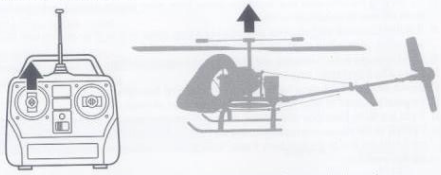
Diagram D



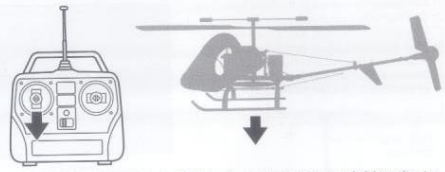
NOTE: Replace 8 "AA" alkaline batteries should you begin to experience any decrease in radio response.

Flying Your Helicopter

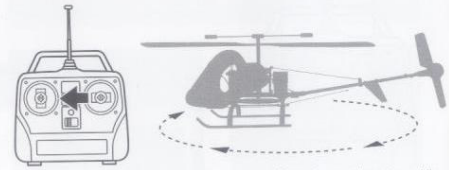
The following instructions demonstrate the basic operation of the Radio Control unit and the helicopter's corresponding action.



1) Move the THROTTLE CONTROL to the UP position to increase the speed of the main rotor span. The helicopter will rise up.

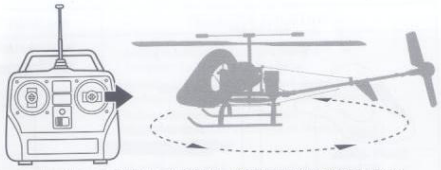


2) Move the THROTTLE CONTROL to the DOWN position to decrease the speed of the main rotor span. The helicopter will descend and/or land.



3) Move the DIRECTIONAL CONTROL to the LEFT position and the tail rotor blade rotates, while the helicopter turns its nose to the RIGHT.

Flying Your Helicopter (cont.)



4) Move the DIRECTIONAL CONTROL to the RIGHT position and the tail rotor blade rotates, while the helicopter turns its nose to the LEFT.

NOTE: When you are finished flying your helicopter, always turn the power OFF on both the helicopter and the radio control unit to conserve battery usage.

IMPORTANT: Adjusting The Potentiometer

If your helicopter rotates uncontrollably (without you operating the Radio Control unit), you may need to adjust the Potentiometer located on the circuit board (Diagram A). Turn the power switch to the OFF position, and using a small Philips Head screwdriver, follow these instructions:

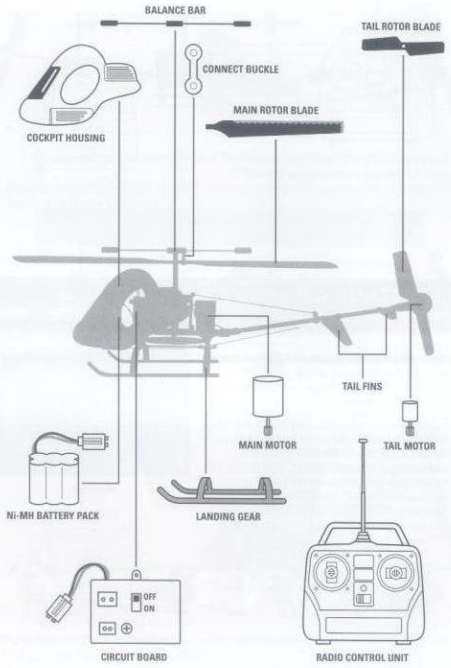
Diagram A

1) If your helicopter rotates CLOCKWISE (to the right), adjust the potentiometer screw approximately one half turn COUNTER-CLOCKWISE (to the left). If your helicopter rotates COUNTER-CLOCKWISE (to the left), adjust the potentiometer screw approxi mately one half turn CLOCKWISE (to the right). Continue adjusting screw left or right as needed until the problem is corrected.

In this situation... rotate to the left.

In this situation... rotate to the right.

Component Parts



Troubleshooting

PROBLEM	POSSIBLE SOLUTIONS
ELECTRIC MOTOR DOES NOT RUN OR POWER IS LOW	• **Battery in helicopter is not fully charged:** Completely discharge/recharge battery. • **Batteries in Radio Control unit need replacement:** Replace 8 AA batteries with new alkaline batteries. • **Debris stuck beneath rotor blade(s):** Check and clean rotor blade area as needed.
ROTOR BLADE DOES NOT MOVE WHEN RADIO CONTROL UNIT IS PULSED	• **Helicopter circuit board power switch not turned ON:** Slide power switch down (to ON position). • **Radio Control power switch not turned ON:** Slide power switch to the right (to ON position). • **Ni-MH battery or Radio Control batteries worn out:** Replace Ni-MH battery (7.2V 650mAh) or R/C batteries (AA x 8) • **Control wires not engaged:** Carefully check plug from battery to circuit board.
SHORT FLYING TIME	• **Helicopter's Ni-MH battery not fully charged:** Completely discharge/recharge battery. • **Ni-MH battery damaged from overcharging:** Replace Ni-MH battery (7.2V 650mAh)
ERRATIC, LITTLE OR NO RADIO CONTROL	• **Person operating on same radio frequency nearby:** Move to new location or wait your turn. • **Radio Control batteries are low:** Replace 8 AA batteries with new alkaline batteries. • **Battery in helicopter is not fully charged:** Completely discharge/recharge battery. • **Antenna on Radio Control unit not fully extended:** Retract the antenna completely to improve range.
UNSTABLE DURING OPERATION/LANDS TOO FAST	• **Windy or gusty conditions will affect steering/stability:** Wait until windy condition subsides. • **Helicopter spins to the left (counter-clockwise):** Adjust potentiometer to the right (clockwise). See page 5. • **Helicopter spins to right (clockwise):** Adjust potentiometer to the left (counter-clockwise). See page 5. • **Helicopter lands too hard/fast on ground:** Slowly pull down on the throttle for a smoother landing.

FCC ID: U7UHS-P1127

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