

Spin Blade

RC INDOOR HELICOPTER



BEFORE OPERATING!

Thank you for purchasing the Spin Blade indoor RC helicopter. You should make yourself thoroughly familiar with this product and observe all warnings and notes of caution before attempting to operate. Keep these instructions in a safe place for it is readily available.

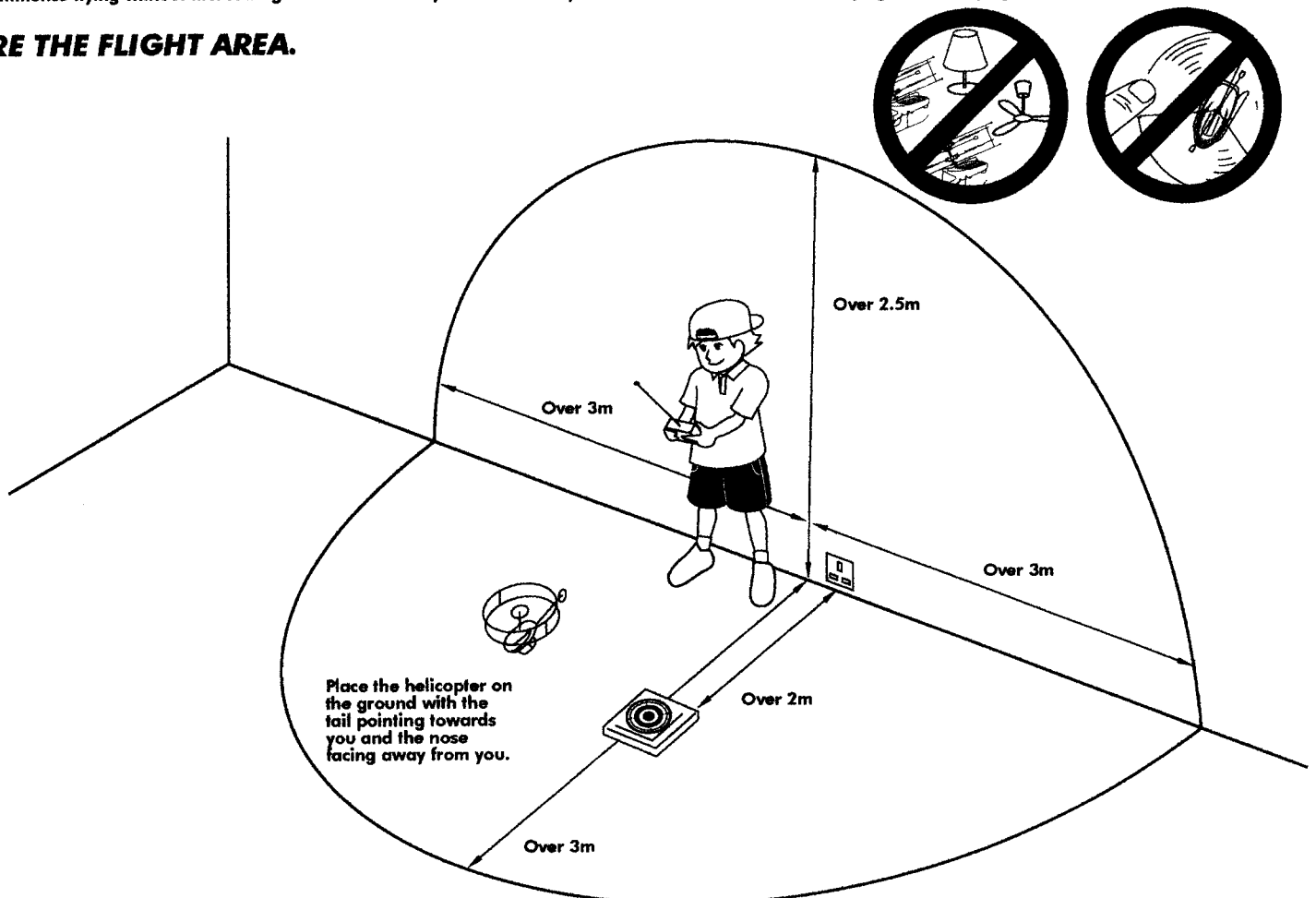
WARNING!

- Never leave equipment such as the transmitter, batteries, special purpose charger or flying unit in a location that can be accessed by infants or small children.
 - Never disassemble or attempt to modify anything other than what is specified by this manual. Doing so could cause electric shock, an injury, equipment breakdown or a subsequent fire.
 - Never store the transmitter, battery, special-purpose charger, or flying unit in the following places. Storing such equipment in these places could cause shape distortion, breakdown and subsequent injury or fire as a direct result of equipment breakdown.
 - * Hot places that exceed 40°C or cold places that fall below -10°C
 - * Places exposed to direct sunlight
 - * Places with high humidity, vibration, or lots of dust
 - * Places with moisture or steam or where exposed to a source of heat
 - Never fly this product in the following places.
 - * Outdoors or places where there is moisture
- This product has been specially designed for indoor use. It does not have any protection against grit and water. If grit (sand dirt etc) or water were to penetrate the inner part of the unit, it will cause faulty operation, a crash or breakdown.
- Close to other flying fields for radio controlled aircraft (3 km radius) or close to high voltage lines or communications installations
- This will cause a crash due to signal interference. If a crash occurs due to breakdown of the flying unit or transmitter, the collision could cause an injury or some kind of property damage.

CAUTION!

- This product is designed to be only used indoors. Do not use it outdoors.
- Never fly in a place cluttered with obstacles (place full of furniture, people, pets etc.).
- Never disassemble or attempt to modify the product.
- Never put hands or face close to rotating parts. Doing so creates the risk of unexpected injury. To avoid such risk, never operate this product while sitting on the floor or on a chair. Operate this product in a posture that allows you to quickly get out of the way if necessary.
- Always switch off both the flying unit and transmitter when leaving the transmitter unattended. If the power switch is left on, it is possible that unintended stick operation occurs when the transmitter is placed on the floor or a chair.
- Never allow young children to use this product. Doing so creates the risk of accident caused by rotating parts.
- Always use this product in a way that is proper and safe to maintain its performance. To do this you must read this instruction manual thoroughly. This product is a precision machine that can easily be broken if dropped or used incorrectly.
- Never use parts that are damaged or have altered shape in this product to ensure safe practice.
- Always discard the packaging of the parts in a place out of reach of children.
- Never wave the antenna of the transmitter around or put it close to people's faces, as there is a risk that the antenna tip could poke someone in the eye etc.
- Never attempt to fly with the antenna of the transmitter not fully extended. If the transmitter is used while the antenna is not fully extended, the radio waves will not reach as far and it could cause a crash.
- Never operate the on/off switch of the flying unit without ensuring that the battery level indicator of the transmitter lights up. If the flying unit power is switched on while the transmitter is not functioning, there is a risk that unintended movement of the flying unit will occur.
- Never commence flying without first making sure that the transmitter's antenna is not loose. If the antenna were to loosen and detach during flying, then no signal can be transmitted and the flying unit will crash.
- Never commence flying without first testing the transmitter. If just one error is present on the transmitter or the flying unit, the flying unit will crash.

SECURE THE FLIGHT AREA.



This product is designed for use in a living or family room.
Allow a minimum of three meters of clear space around yourself in all directions.
As you gain experience, you should still practice keeping a safe area.

CHARGING YOUR HELICOPTER:

The helicopter is equipped with a rechargeable battery which is permanently installed inside the fuselage. Before flight, you will need to charge the battery until it is at full capacity.

- Install batteries in the charger base.
- Make sure the helicopter switch is "OFF"
- Place the helicopter on the charger stand (as shown-right)
- Insert the connector for the charging cable (as shown right) and place the helicopter on the charging stand.
- Move the charger switch from "OFF" to the "CHARGE" position (as shown below-right).

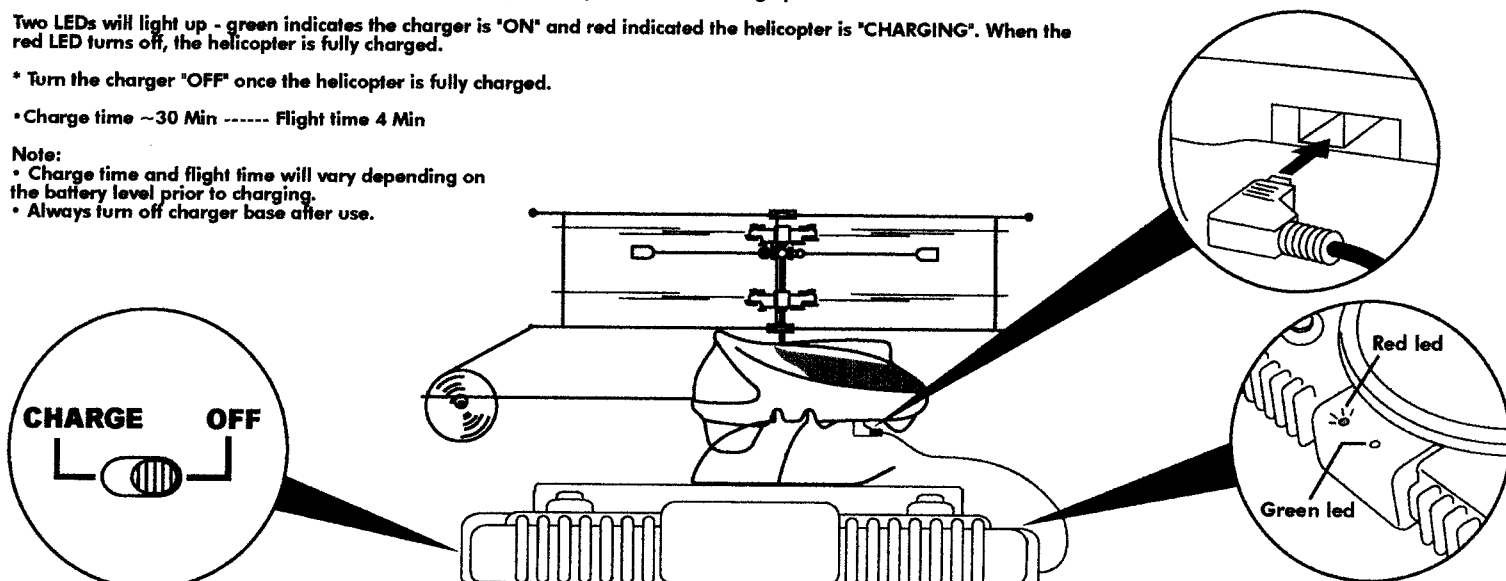
Two LEDs will light up - green indicates the charger is "ON" and red indicated the helicopter is "CHARGING". When the red LED turns off, the helicopter is fully charged.

- Turn the charger "OFF" once the helicopter is fully charged.

- Charge time ~30 Min ----- Flight time 4 Min

Note:

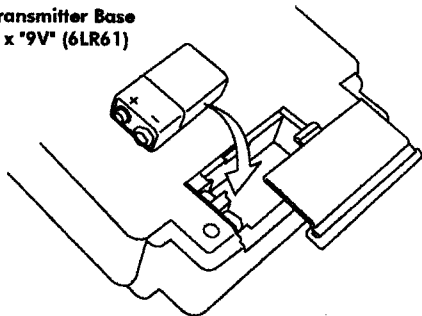
- Charge time and flight time will vary depending on the battery level prior to charging.
- Always turn off charger base after use.



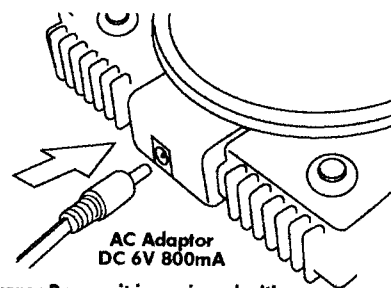
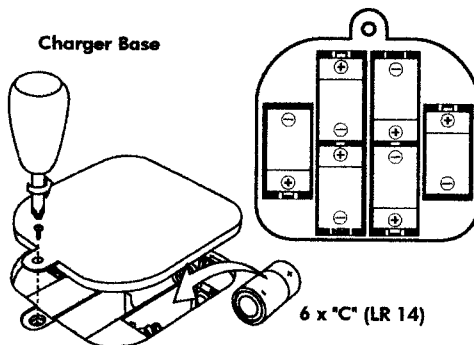
LEDs will light up - green indicates the charger is "ON" and red indicated the plane is "CHARGING". When the red LED turns off, the plane is fully charged.

BATTERY INSTALLATION:

Transmitter Base
1 x "9V" (6LR61)



Charger Base



Charger Base unit is equipped with Jack for 6V AC Adaptor (not included)

BATTERY SAFETY INFORMATION:

Required : 6 x C (LR 14) and 1 x 9V (6LR61) (Not included).

- Only batteries of the same or equivalent type as recommended are to be used.
- Batteries are to be inserted in position according to polarity.
- Do not mix old and new batteries.
- Do not mix alkaline, standard (carbon-zinc) or rechargeable (nickel-cadmium) batteries.
- Do not attempt to burn batteries.
- Dispose of batteries safely and correctly.
- Remove batteries if the toy will not be used for a long period of time.
- Exhausted batteries are to be removed from the toy.
- The supply terminals are not to be short circuited.
- Keep packaging for reference since it contains important information.
- Do not use rechargeable batteries.
- Non-rechargeable batteries are not to be recharged.
- Batteries should be replaced under adult supervision.
- Never use Oxyride batteries.
- Never mistakenly insert the dry cell battery with the positive (+) and negative (-) terminals in the wrong position. Mixing up the polarity will damage the transmitter.
- Never leave the battery inserted in the transmitter when the transmitter is not going to be used for an extended period. Remove the battery and store it in a place with low humidity. If the battery is left in the transmitter, it could leak and reduce the performance and lifespan of the transmitter. If leaking does occur, be sure to completely wipe away all liquid from the case and terminal contacts.
- Never irresponsibly dispose of used dry batteries. Dispose of batteries as directed by your municipal government.

THE LITHIUM POLYMER BATTERY INSIDE THE HELICOPTER AND THE SPECIAL PURPOSE CHARGER:

- Never leave the helicopter inside a car where it can get very hot, in hot weather or in places where the temperature exceeds 60 °C.
- Never bash or puncture the helicopter fuselage
- Never allow the helicopter to get wet.
- Never attempt to charge the helicopter with something other than the supplied charger. Jasman will not be held liable for any loss arising from recharging that uses something other than the charger supplied with this product.
- Always recharge the battery and store it soon after flying because if the battery is over discharged, it can no longer be used.
- RadioShack's adaptor #273-1661 is suitable to connect to the charger base and charge the lithium polymer battery inside the helicopter.

GETTING THE MOST FROM YOUR RECHARGEABLE HELICOPTER BATTERY:

It is important to pay attention to the following to avoid over discharging your rechargeable helicopter battery.

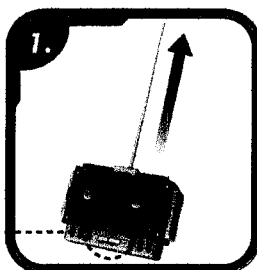
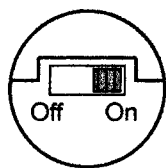
- If during flying it is not possible to achieve lift even when under full throttle, stop the flight and recharge the battery.
 - Even if your battery has been recharged, it will naturally discharge gradually over time. To prepare for storage, recharge the battery before and turn power off storing it. It may be necessary to occasionally recharge the battery when
 - it is not being used for a long time to prevent it from completely discharging.
- In a cold environment, the battery will not perform as well, the length of time the battery can be used for long time will be shorter and there may be instances where adequate output cannot be achieved. For these reasons, use this product in a warm environment.

FLIGHT SAFETY TIPS

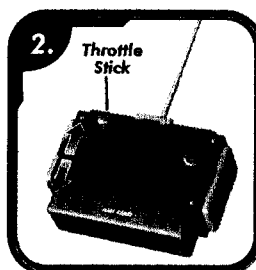
- Do not attempt to open the body of the helicopter or modify the design, doing so may damage the aircraft and may be hazardous.
- Do not attempt to replace or overcharge the internal battery.
- To prevent battery damage, use only the supplied battery charger.

FLYING AREA / LOCATION!

This helicopter is meant to be flown inside only. The *Spin Blade RC Helicopter* is very lightweight and so is very sensitive to wind currents. You must be very careful to fly only in calm air.



1. Extend the antenna then switch the transmitter 'ON' (the LED should light). Next, switch the helicopter 'ON' (by moving the belly-mounted on/off switch to the 'ON' position - towards the head).



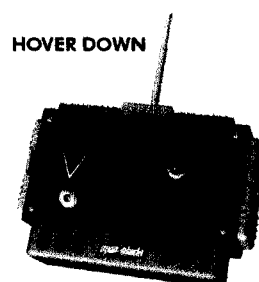
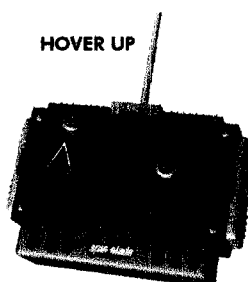
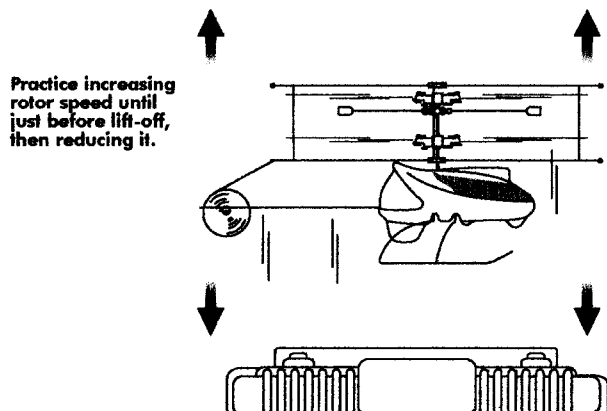
2. Throttle Stick
To gain altitude advance the throttle stick forward, to descend, slowly move the stick backward.

FLIGHT INSTRUCTIONS:

- Charge helicopter completely before flight (see below for details).
- Set copter on level ground and make sure its blades are level before attempting take-off. Not doing so could result in injury or cause damage to the toy.
- Flip the power switch 'ON' for both the transmitter and the helicopter.
- Follow the diagrams below for flight operation.

HOVER UP and DOWN

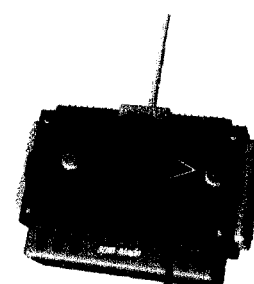
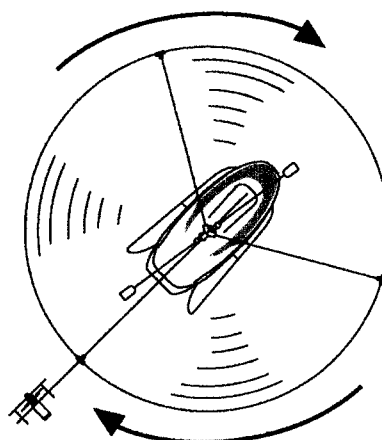
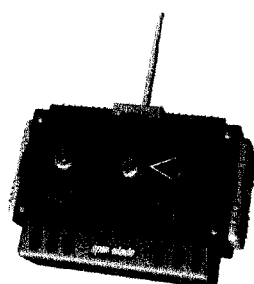
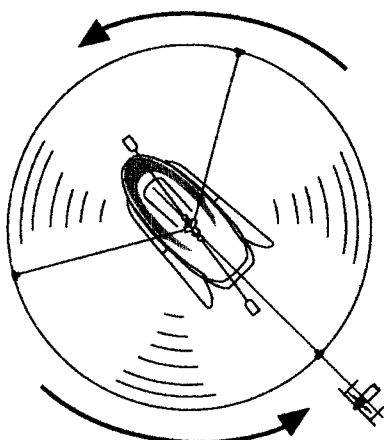
Gently push the throttle up until the skid is about to leave the floor, then slowly pull the throttle down and land the unit. Do not abruptly push the throttle up or go to full power. Continue to practice the above movements until taking off and landing becomes familiar. Once you are comfortable doing this practice, take the helicopter up to 30-50cm, and repeat taking off/landing practice.



Slowly push the throttle forward.

TURN RIGHT and LEFT

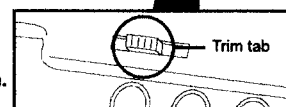
Slowly raise the throttle stick until the helicopter is 30-35cm high and hold it there. Slowly tilt the stick in the direction you want to move the unit.



- When the unit takes off, it may move in various directions, but this can be fixed by trim adjustment (below).

TRIMMING THE HELICOPTER:

Notice that there is a trim tab located below the right-hand control stick of the transmitter. This is used to trim the heli so that it hovers without any unwanted turning tendencies. If the nose tends to turn to the right move the trim tab to the left (and vice versa).



TROUBLE SHOOTING:

PROBLEMS \ SOLUTIONS	Helicopter is OFF, turn Helicopter ON.	Helicopter is out of range, move closer.	The Helicopter battery is low. Recharge the battery (see Charging section).	Transmitter batteries are exhausted. Replace with new Alkaline batteries.	Turn helicopter OFF then ON again.	Move charger base switch OFF and ON a few times to initiate charge.	The helicopter battery is already fully charged.	The helicopter is not properly connected with the charging connector. (see Charging section).	Charging Base batteries are exhausted. Replace with new Alkaline batteries.
Rotors do not turn	X	X	X	X	X				
Helicopter does not respond to the control	X	X	X	X	X				
Helicopter flight is slow			X						
Helicopter doesn't stay in air after takeoff.		X	X	X					
Helicopter moves but can't takeoff		X	X		X				
Helicopter is not charging						X	X	X	X

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.

Important:
Your helicopter was shipped with the installed Lithium Polymer flight battery partially charged. This allows you to test the functioning of the helicopter before recharging the battery for the first time.

Warranty

Jasman USA Inc. guarantees your Spin Blade RC Helicopter to be free from manufacturing defects. If you have any problems with the Spin Blade RC Helicopter Please call toll free no. 1-800-496-2133, or visit our web site at www.jasman toys.com Address: Jasman U.S.A. Inc. 9155 Brown Deer Road, Suite 7, San Diego, CA 92121 USA. This product is covered by 90 days warranty with proof of purchase. This warranty does not cover any modifications or parts damaged by the owner. Jasman U.S.A. Inc. liability will not exceed the original cost for this product. Jasman U.S.A. Inc. reserves the right to change this warranty without notice. Jasman U.S.A. Inc. assumes no liability over the final assembly or for any damage resulting from the use of this product. If the purchaser of this product does not accept the liability associated with the use of this product, He/She should then return it in unused condition to the place of purchase.

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 packaging for reference since it contains important information.

RadioShack's adaptor #273-1667 is suitable to use with this product.

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Conforms to product safety standards ASTM F963-96a,
CPSC, EN71 regulatory requirements.

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