

Technical Data

Flying time: 5-7 minutes
 Charging time: 90-110 minutes
 Operation range: 25-30m/ 82-100feet
 Battery for the controller: 6 x AA (not included)
 Battery for helicopter: 3.7V 380 mAh
 Frequency: 2.4G
 Features: Up/down forward/backward, turn left/right
 Main blade length: 26cm/ 10.23inches
 Helicopter length: 30cm/ 11.81inches
 Helicopter height: 15.5cm/ 6.1inches
 Helicopter weight: 81.5g



CONFORMS TO THE SAFETY REQUIREMENTS OF ASTM F983.
 Do not mix old and new batteries. Do not mix alkaline, standard (carbon-zinc), or rechargeable batteries. Contents and colors may vary.

FAST LANE IS A MARK OF (EST. LINE MARQUE DE) UNNA MARCA DEI GEOFFREY LLC, A SUBSIDIARY OF ONE FLYER DE UNA SUBSIDIARIA DE TOYS'R'US, INC.
 © 2016 GEOFFREY LLC. MADE IN CHINA. FABRIQUÉ EN CHINE. FABRICADO EN CHINA.
 DISTRIBUTED IN THE UNITED STATES BY (DISTRIBUÍD AUX ETATS-UNIS PAR/DISTRIBUÍDO EN LOS ESTADOS UNIDOS POR) TOYS'R'US, INC., WYBINE, NJ 07470.
 IMPORTED BY (IMPORTÉ PAR/IMPORTADO POR) TOYS'R'US (CANADA) LTD. (SSE), 2777 LANGSTAFF ROAD, CONCORD, ON L4K 4M5.
 DISTRIBUTED IN AUSTRALIA BY (DISTRIBUÍD EN AUSTRALIA PAR/DISTRIBUÍDO EN AUSTRALIA POR) TOYS'R'US (AUSTRALIA) (AUSTRALIA) PTY LTD (SSE), REGENTIA PARK NSW 2143.
 www.toysrus.com www.toysrus.ca



5F63FD2



Warning with regard to placing the product

- Do not use this product in an environment where it is exposed to extreme heat or cold, to dust or to damp.
- Avoid placing the product in an area that is not properly ventilated; do not cover the product and do not place it on carpeting or similar surfaces.
- Do not place cables behind the product's support. If the cables move (for example as a result of stumbling) the product can fall to the floor!
- Do not expose the product to direct sunlight, fire or other sources of heat that have an extreme effect on the temperature.

Intended Use

- The helicopter is delivered ready to fly and does not need to be charged before your first flight. When you first receive it, do not charge it, just fly it. When the helicopter can no longer take off from the ground, let battery cool for 5 minutes before charging. The best performance of helicopter should be after 1st full charge. The performance during discharge process should not be treated as defective.
- This helicopter is delivered with partial-charged Li-Po battery separately, and never over charge the battery. Normally first few charges, will take 1.5-2 hours. Then about 60-70 minutes for a full charge. Once the charging light turns red, remove the charging cable from the helicopter. Let battery cool for 5 minutes before flying.

This device complies with Part 15 of the FCC Rules. Operation is subjected to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.

Caution: changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 experienced radio/TV technician for help.

The adaptor be periodically examined for conditions that may result in the risk of fire, electric shock, or injury to persons and that, in an event such conditions, the adaptor should not be used until properly repaired.

⚠ The safety instructions contained in this manual have to be observed without fail!!!

①

Table of Contents

Intended use	1
Safety instructions	3
Unpacking and storing Jaw Breaker	4
Getting to know Heli	4
Assembling Heli	4
Secure the Flight Area	5
Flying Heli	5
Taking off	5
Steering	6
Landing	6
Trimming	6
Battery	7
Battery care information	8
Flying tips	9
Trouble diagnoses	10
Technical data	11

②

Safety instructions

Read the user manual completely before commissioning, then refer to below important information for correct operation.

- To ensure safe operation, the user must comply with the safety instructions and warnings contained in this manual.
- The charger is designed in compliance with protection glass, ensuring that the insulation (of the housing or the output cable) is neither damaged nor destroyed.
- The charger should be kept out of the reach of children!
- Avoid charging operation under adverse ambient conditions. This can lead to damage to the sensitive electronics on the inside of the charger and thus to possible danger for the life of the user. Adverse ambient conditions are:
 -excessive humidity (>75% relative, condensing)
 -wetness and dampness, petrol
 -dust or combustible gas, vapour or solvents
 -excessive ambient temperature (> approx. + 40 °C)

In the case of incorrect handling (excessive charging current or incorrect polarity), the charger may be overcharged or destroyed.

- Never unplug the plug-in power unit from the mains socket by the connecting cable! Only hold it by the housing when disconnecting it.
- Keep transmitting devices (mobile telephone, radios, etc.) away from charger, the transmitter radiation arose can lead to interference in charging operation or to destruction of the charger.
- Never connect your charger to the mains voltage immediately after it has been taken from a cold room to a warm one. The resulting condensation could, under adverse circumstances, destroy the device. Allow the device to reach room temperature before connecting it to the power supply.

Never touch the charger with wet or moist hands. There is the risk of a fatal electric shock!

③

Unpacking and storing Heli

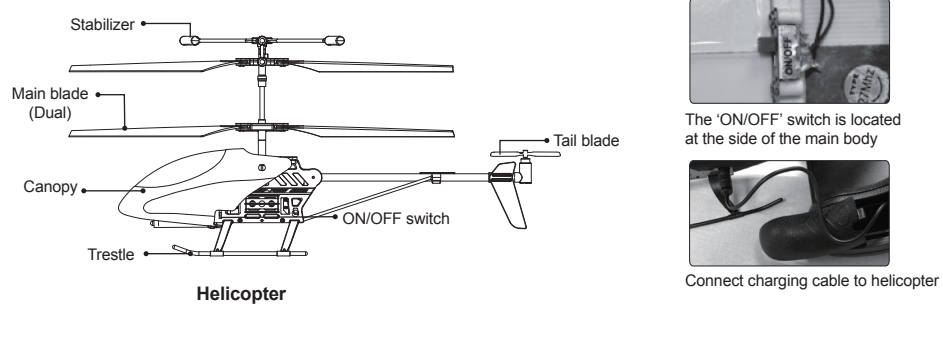
The Jaw Breaker helicopter is fastened securely in place to avoid any damage during transit. The helicopter is a delicate device so you must be careful when removing it from the package.

Ensure the contents are complete with:

- 1 x helicopter
- 1 x radio controller
- 1 x user manual
- 4 x main blades (1set 2pcs up & 2pcs lower) (spare part)
- 2 x connectors (spare part)
- 2 x tail blades (spare part)
- 1 x screw driver
- 1 x spare part

Warning: Improper storage of the helicopter may result in the blades bending or warping. This will affect flight performance.

Getting to know Jaw Breaker



Installing batteries in the controller of your helicopter

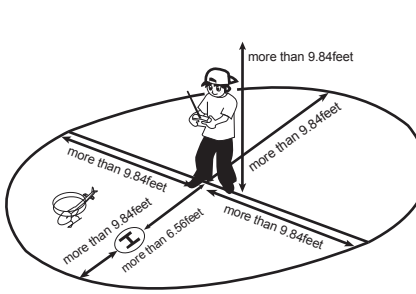
Jaw Breaker helicopter is delivered fully assembled and only requires some assembly. See below.

- 1) Pull and take out the battery cover, (pic.1)
 - 2) Take off the battery cover from the controller, and then install 6pcs (AA) Alkaline batteries in the batteries cage following the correct indicated polarity.
- Notice: When the power indicator light goes off it means the power is running out, you should renew the batteries.

④

Secure the Flight Area

Your Jaw Breaker helicopter is designed for outdoor and indoor playing. Allow a clear space around you in all direction of at least 9.84feet. Make sure to play away from human beings or animals.



- Outdoor use recommended
- Begin on a flat surface
- Keep away from any obstacles
- Avoid flying windy weather conditions
- Keep your eyes on the helicopter and be sure the helicopter is within your eyesight
- Have an adult accompany children when flying
- Keep away from any hard obstacles to avoid any unnecessary damages

Flying Heli

Preparing to take off

- 1) Switch the controller 'ON'.
- 2) Switch the helicopter on 'ON/OFF' switch at the side of the main body.
- 3) Place the helicopter on a flat, hard surface with the tail pointing towards you. Extend the blades separately, or it may entangle each other and cause the blade to break, or burn out the motor.
- 4) Make sure to move the left throttle lever to the lowest position first, and then move it forward and backward. By doing this, the controller will be fully forward armed and connected to the helicopter, with the led light turn on. Please do not touch the helicopter when is searching for signal from controller.

Taking off

- 1) Move the left lever slowly forward-the blades will start to spin.
- 2) As you move the left lever past the halfway point, the helicopter will take off.
- 3) To ascend, move the left lever further forward. To descend, slowly move the left lever backwards.

⑤

Steering Heli

- 1) To turn the helicopter left, move the right hand lever to the left.
 - 2) To turn the helicopter right, move the right hand lever to the right.
 - 3) To fly the helicopter forwards, move the right hand lever forwards.
 - 4) To fly the helicopter backwards, move the right hand lever backwards.
-

Landing Heli

To land the helicopter, slowly move the left lever backwards.

Trimming Heli

This helicopter is fitted with one trimmer control. This will allow you to adjust the flight of the helicopter and erase any unexpected turning tendencies. If the helicopter spins, you need to use the TRIM control to adjust the flying. Push the left lever and keep the helicopter flying upwards between 0.5- 1 meter.

- 1) Turn the TRIM leftwards if the helicopter spins right.
- 2) Turn the TRIM rightwards if the helicopter spins left.

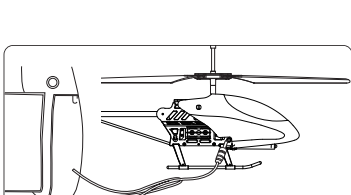
After trimming adjustment, you can also use the right lever to adjust the direction and stop the spinning.

⑥

Charging

1. Before charging, ensure helicopter is switched 'OFF'.
- 2.1 Plug out the charging cable from the back side of the controller
- 2.2 Turn ON the controller(Ensure the AA batteries inside controller not low power)
- 2.3 Plug the charging cable red pin into the helicopter charging socket at the side of the main body. (ref pic.1)
- 2.4 When in charging, the Red LED light on the controller turns green; when fully charged the LED light turns red.
3. Charging time is about 60-70 minutes.
4. Remove the charging cable from helicopter.
5. Leave battery to cool for five minutes and the helicopter is ready to fly.

Note :Be sure that the battery in the helicopter has cooled down for 10-15 minutes after flying before charging. Examine the adaptor periodically for conditions that may result in the risk of fire, electric shock, or injury to persons and that, in an event of such conditions, the adaptor should not be used until properly repaired.



(pics 1) Charging: Connect the battery to the charger as shown in the illustration, do not force.

Notes

- 1) Never leave helicopter charging near a fire or other source of heat.
- 2) Never leave helicopter unattended during charging.
- 3) Always disconnect from the mains once fully charged, failure to do so WILL DAMAGE THE BATTERY.
- 4) Never disassemble the charger.
- 5) Only use the charge that is provided
- 6) NEVER STORE BATTERY WITHOUT CHARGING FIRST, this will damage the battery.
- 7) Charge for a minimum of 10 minutes after use.

⑦

Battery care information

This helicopter is powered by dedicated Li-Po battery. Do not attempt to disassemble the battery or replace with any after-market model.

- 1) Use only batteries recommended in this user manual. Ensure that batteries are installed with the correct polarity.
- 2) Batteries should be installed under adult supervision.
- 3) Do not allow the battery to become over heated during charging.
- 4) Do not leave the battery charging overnight-switch off once the LED lights on the charger.
- 5) Do not use an after-market charger as this can damage the battery.
- 6) Do not short circuit the charging terminals.

PLEASE RETAIN THIS INFORMATION FOR FUTURE REFERENCE.

- DO:
- Make sure battery compartment is secure.
 - Use batteries of the correct size and type.
 - Fit batteries correctly observing the plus and minus marks on the battery and compartment.
 - Replace a whole set of batteries at one time.
 - Remove dead batteries from equipment.
 - Remove batteries from appliance before storing.
 - Please remember that small button cells and AA batteries should be kept away from young children as they could be easily swallowed. Seek medical advice if you believe a cell has been swallowed.
- DONT:
- Mix different types of batteries.
 - Mix old and new batteries.
 - Dispose of batteries in a fire.
 - Attempt to recharge ordinary batteries.

The consumer has a significant role to play in reducing the impact of waste electrical and electronic equipment on the environment, through re-using or recycling such equipment. Some of the components used in electrical and electronic equipment may contain hazardous substances that can damage the environment and present a risk to human health if not properly disposed of.

The crossed out whee-bin symbol on the controller is to remind you that waste electrical and electronic products should not be disposed of with household waste. If you are unable to re-use or recycle your product it should be disposed of at a civic amenity site. Alternatively, you may take your old product (of similar function) back to the store where you purchased your new product within 15 days of purchase. You must take proof of purchase of your new product when returning your old product to the store.

If the blades are damaged, it may not be repaired but has to be replaced with a new one. Broken plastic parts can be sharp-edged. For your own safety, use protective gloves.

⑧

Flying tips

- 1) You can expect a flight time of 5-7 minutes after fully charging the battery.
- 2) When taking off, do not move the left lever too quickly as this will cause the helicopter to topple over. Move the left lever smoothly and continuously forwards until the helicopter takes off.
- 3) When landing, give the helicopter a burst of power just before touching down the floor to slow down the speed and land smoothly.
- 4) Heli has a range of up to 25-30m. Be aware that the presence of electrical interference may reduce this range.
- 5) During your first few flights, try to keep the helicopter close to the ground. This will allow you to out the throttle and safely land if you become disorientated.
- 6) Always turn the helicopter off immediately after flight.
- 7) After flying and before recharging, always turn the helicopter and controller off.
- 8) When not in use, the battery should be disconnected to avoid battery discharge.
- 9) Recharge the battery before putting it away.
- 10) Check for any damage: examine everything including blades and landing gear.
- 11) To avoid damage to the motor, always turn the throttle off if the blades become entangled in anything or are prevented from turning, otherwise motors may burn out!

Gyro function

The Gyro is just suitable for Heli with Gyroscope Gyros in RC helicopters are most commonly used to control unwanted movement on the yaw axis. When an RC helicopter rotates on its yaw axis, the rotation the nose points in changes. The yaw gyro's job is to sense any undesired rotation around the yaw axis (clockwise or counter- clockwise rotation when viewed from above) and to automatically correct the orientation of the RC helicopter.

THE GYRO WILL ENABLE A STABLE FLIGHT FOR THE HELICOPTER.

⑨

Trouble diagnoses

Problem	Cause	Solution
No function to controller	Power switch is turned 'OFF'	Switch 'ON' controller and helicopter
	Low battery in the helicopter	Charge batteries in helicopter
	Low battery in the controller	Replace battery in controller
	Controller needs to be 'armed'	Push left hand lever fully forwards then fully backwards
No control of helicopter	Controller is turned 'OFF'	Turn controller 'ON'
	Strong windy day	Do not fly it in strong wind as this will limit or disturb your control
	Helicopter stop by a heavy impact or crash land.	Turn the helicopter off, then on. It will work again.
Helicopter is not flying high enough	Blade speed is too slow	Ease the left throttle stick further forward
	Battery is not fully charged	Recharge your helicopter (see Charging instructions)
Helicopter lands too quickly	Left throttle stick moved too quickly	Gently move the left throttle stick backwards when landing. Remember to give a slight burst of power just prior to touch down
Helicopter spins	Trimming adjustment	See Trimming instructions section

⑩