

# HELI CHOPPERS<sup>®</sup>

## Flight Manual



MTC8209 ORANGE  
MTC8210 GREEN



[www.megatech.com](http://www.megatech.com)

Entire contents © 2003 Megatech

If you have questions about operating or installing your new Megatech product, or if you are missing parts... Please Call Megatech First!

**DO NOT RETURN THIS PRODUCT TO THE STORE**

**Call our Customer Service Department at:**

**(201) 662-2800**

**10:00am - 5:00pm, EST Monday through Friday (except holidays)**

Technical assistance is also available on-line at [www.megatech.com](http://www.megatech.com)  
or by e-mail to [info@megatech.com](mailto:info@megatech.com)

Congratulations on your purchase of a Megatech® HeliChopper™. The self-stabilizing GyroHelix™ rotor design makes the HeliChopper the easiest to fly radio-control helicopter ever offered. Flying has never been more fun! Get ready to launch into a new world of high-flying excitement! Your new HeliChopper comes completely assembled and within minutes of opening the box, it will be ready to soar through the sky at heights up to 60 feet. You simply charge the batteries and take off on your new adventure.

**Please read this entire flight manual carefully before you attempt to fly your HeliChopper.**

If you experience any problems, **DO NOT** take your HeliChopper back to the store! Call one of our MegaTechnicians at

1-888-MEGA-911 or send an e-mail to: [info@megatech.com](mailto:info@megatech.com)


*10:00am-5:00pm EST, Monday through Friday (except holidays)*

Technical assistance is also available on-line at [www.megatech.com](http://www.megatech.com)  
or by e-mail to [info@megatech.com](mailto:info@megatech.com)



**DO NOT RETURN THIS PRODUCT TO THE STORE**

## TABLE OF CONTENTS

Safety Warnings .....	3
Getting Acquainted with your HeliChopper.....	4
Installing the Batteries .....	5
Charging the Batteries .....	5
Preparing For Your First Flight .....	6
Flying Your HeliChopper .....	6
Landing Your HeliChopper .....	7
Troubleshooting .....	8
Ordering Spare Parts .....	10
Crash Warranty .....	10
Limited Warranty.....	11

 **Important! Before you begin, please read the warnings listed on the following page. Failure to comply with the following recommendations could lead to bodily harm or injury. The Megatech HeliChopper is not intended for those under 12 years of age without proper adult supervision.**

### Safety Warnings

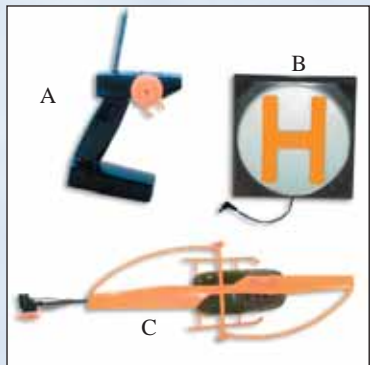
 Please read these before operating your HeliChopper. 

- **You alone are responsible for operating your helicopter in a safe manner. When flying, you are responsible for your own safety and the safety of others around you. Follow these basic safety guidelines at all times.**
- The spinning main rotor and tail rotor on this aircraft can be dangerous! When operating/flying, always be aware of the spinning rotors. Be careful not to let them come close to your body, other people or loose clothing. Keep your hands, fingers and any article of clothing away from the rotors. Keep spectators behind you when flying.
- Fly **only** on calm days. Gusty winds and winds over 5 MPH will make it difficult (if not impossible) to control your helicopter properly.
- Do not attempt to disassemble or modify any of the HeliChopper's components or allow them to get wet. Electrical damage may occur that could affect safe operation.
- Only use the rechargeable battery pack provided with your HeliChopper. Using any other type of battery will damage your helicopter and possibly make it dangerous to operate.
- Since your HeliChopper is controlled by a radio link, it may be subject to interference from outside radio sources. Do not fly your helicopter if other models are being operated on the same frequency in the area. (27Mhz)
- It is very important to always use fresh alkaline batteries in the transmitter. We recommend Megatech's Golden Power battery series, designed specifically for R/C products.
- Always fly your helicopter in a wide-open area, free from wires, trees, buildings and other obstructions.
- Never fly your HeliChopper after dark.
- Always take off from the heliport base. Never hold the HeliChopper when launching. A sudden wind shift could send the helicopter in your direction, possibly resulting in injury.
- Avoid flying in very hot or very cold weather. Your HeliChopper features an automatic temperature guard. When the helicopter gets too hot, it will automatically shut down and land to prevent overheating and protect the internal circuitry.

- Always have an adult install the batteries into the transmitter and charger/heliport. Never mix old and new batteries. Do not use rechargeable batteries for the charger/heliport or the transmitter. Avoid mixing alkaline and other types of batteries.
- After every two or three flights, let your HeliChopper cool down for 10-15 minutes. This will help prolong the life of your helicopter.
- Always remove the batteries from your charger when you finish flying for the day. Do not store batteries inside the charger or transmitter.

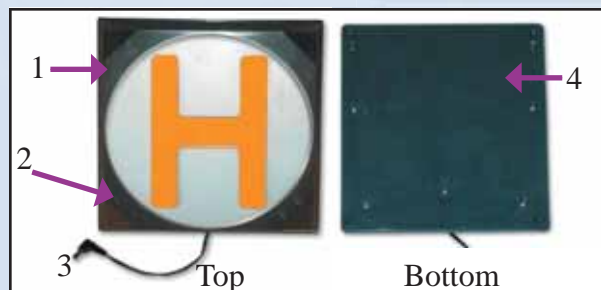
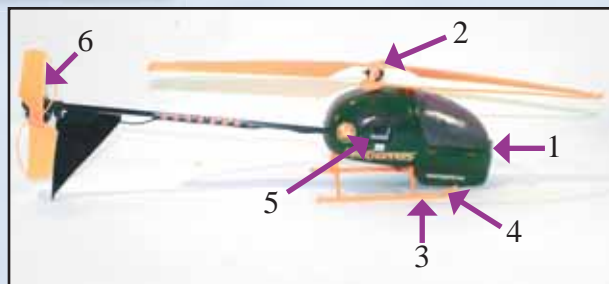
**Getting Acquainted with Your HeliChopper**

First make sure the contents of your package are complete:  
HELICOPTER



- A. Radio Control Transmitter
- B. Charger/Heliport
- C. HeliChopper

1. Fuselage
2. Main Rotor
3. Landing Gear
4. Charging Port
5. Charging/Off/On Switch
6. Tail Rotor

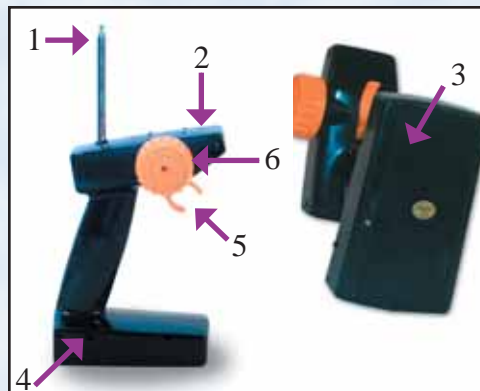


- CHARGER/HELIPORT**
1. Launch Pad
  2. On/Off Switch
  3. Charger Link
  4. Battery Compartment



**CONTROLLER**

1. Antenna
2. Power Light
3. Battery Hatch
4. On/Off Switch
5. Trigger/Throttle
6. Directional Control Knob

**NOTE:**

Keep the box and packaging to safely store your HeliChopper between flights. Proper storage will prevent the rotors from warping and help maintain flight performance.

### Installing the Batteries

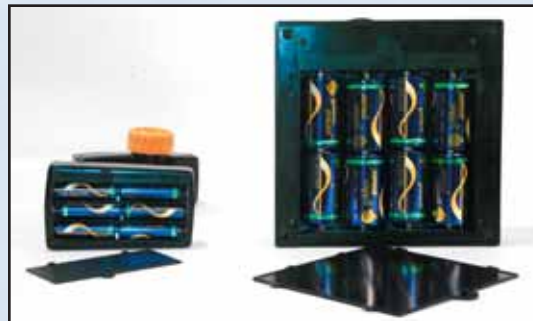
**The Charger/Heliport**

Using a Philips screwdriver, unscrew the battery hatch. Paying careful attention to their direction, install 8 D-size alkaline batteries. Reattach the battery hatch and securely tighten the screws.

**NOTE:** For best results, replace the 8 D-size alkaline batteries in the Charger/Heliport after every 15-20 flights.

**The Radio Controller**

Using a Philips screwdriver, unscrew the battery hatch. Install 6 AA alkaline batteries. Be sure the batteries are properly arranged or your controller will not function. Reattach the battery hatch and securely tighten the screws.

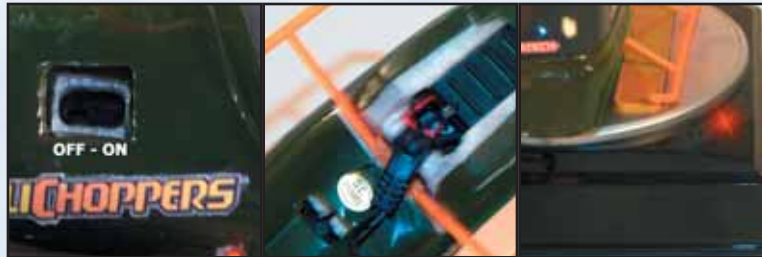


### Charging Your HeliChopper

Your HeliChopper features a built-in rechargeable NiMH (nickel-metal-hydride) battery that must be charged before each flight.

1. Begin by moving the Off/On switch on your HeliChopper to the “Off” position (all the way to the left, or toward the tail of the helicopter). **If the switch is in the “On” position, your helicopter will not charge.**
2. Plug the Charger Link into the charge port beneath your HeliChopper. Make sure it is securely connected or charging will not occur.

3. Place the HeliChopper onto the Charger/Heliport.
4. Move the switch on the Charger/Heliport to the "On" position. The red light should start blinking. This indicates that it is charging the batteries on your HeliChopper.
5. When the red light stops flashing and a green light begins to glow, your battery is fully charged.
6. You may now disconnect the HeliChopper from the Charger/Heliport.



*Switch in Off position.*

*Charger Link plugged in.*

*Charger lights show charging is in progress.*

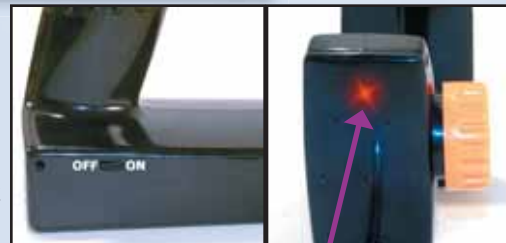
### Preparing For Your First Flight

Before your first flight it is important to “*cycle*” the HeliChopper’s batteries at least twice.

**Here’s how:** Charge the battery pack as instructed on page 5. Fully extend the transmitter antenna. Next, turn on the radio control transmitter first and then the receiver. Always remember to turn on the transmitter first. Firmly hold the helicopter at the center of the fuselage so the main rotor and tail rotor are unobstructed and away from fingers, loose clothing, etc. Now slowly squeeze the throttle trigger on the transmitter to start the rotors spinning. Continue to run the motor until it stops. Allow the battery pack to cool, and then recharge it again. Perform this process of running the motor until the battery is drained at least twice. The battery pack will now supply more power and your first flights will be much easier and safer!


### Flying Your HeliChopper

- 1 Fully extend the antenna on the radio control transmitter.
- 2 Switch on the radio control transmitter. A red light on the transmitter will glow to indicate power. Never attempt to fly if the red light on the transmitter is not glowing.



*Radio turned on.*

*Power Light*

3. Slide the switch on the HeliChopper to the “On” position (all the way to the right or front of the helicopter). Always switch on the transmitter before you switch on the helicopter.
  4. Center the helicopter on the Charger/Heliport with the landing gear straddling the “H” as shown. This is important. It keeps the HeliChopper from sliding before it lifts off.
- 
5. Step back at least 5 yards and face the helicopter.
  6. Double check to make sure that your flying area is clear of people, trees, buildings, electric lines or other obstructions.
  7. Grip the transmitter in your left hand, so that the trigger/throttle is controlled by your left index finger. Use your right hand to operate the Directional Control Knob.
  8. Squeeze the trigger/throttle gradually until the rotors begin to spin. The rotors need to spin for 1.5-2 seconds to build up energy before lifting off.
  9. As the helicopter lifts off, it may be shaky. Allow the HeliChopper to stabilize before attempting to turn. Trying to turn while your helicopter is unbalanced will make it difficult to control and may lead to a crash.
  10. You determine how high your HeliChopper will fly with the proportional trigger/throttle. The harder you squeeze the trigger, the higher your helicopter will fly.
  11. Turn your HeliChopper by using the Directional Control Knob like a steering wheel. Turn it left to turn to the left, right to turn to the right. Be careful not to turn too much. Small turns should be all you need to hold your HeliChopper in a stable hover. **NOTE: Any wind will make your HeliChopper move, so be ready to correct.**
  12. HeliChopper average flight time on a full charge is between 3 and 6 minutes. If your flight times are less than this, you should change the 8 D-size alkaline batteries in your Charger/Heliport.

### Landing Your HeliChopper

1. Find a soft, grassy area to land. Although built to be incredibly tough, your HeliChopper may be damaged by harsh landings.
2. To land, slowly ease off on the throttle trigger until your HeliChopper starts to slowly descend in a spiral. Do not ease off too much or the rotors will stop and your HeliChopper may crash.

## Troubleshooting

<b><u>PROBLEM</u></b>	<b><u>CAUSE</u></b>	<b><u>RECOMMENDATION</u></b>
No power to radio control transmitter or charger.	<ol style="list-style-type: none"> <li>1. Power switch is in the “off” position.</li> <li>2. Batteries are incorrectly installed.</li> <li>3. Batteries are exhausted.</li> </ol>	<ol style="list-style-type: none"> <li>1. Move switch to the “on” position.</li> <li>2. Make sure batteries are installed correctly.</li> <li>3. Replace the batteries with new alkaline batteries.</li> </ol>
No blinking red light when charging.	<ol style="list-style-type: none"> <li>1. Charge nozzle is not properly plugged into the charge port on the HeliChopper.</li> <li>2. Power switch on charger is in the “off” position.</li> <li>3. Batteries are exhausted.</li> </ol>	<ol style="list-style-type: none"> <li>1. Double check the connection.</li> <li>2. Set switch to “on” position.</li> <li>3. Replace all 8 D-Size Batteries.</li> </ol>
Chopper is not under control.	<ol style="list-style-type: none"> <li>1. Radio control transmitter is not turned on.</li> <li>2. Transmitter</li> </ol>	<ol style="list-style-type: none"> <li>1. Slide the switch to the “on” position.</li> <li>2. Fully extend the antenna.</li> </ol>



- 2. Transmitter antenna is not fully extended.
- 3. Windy or bad weather.

- 2. Fully extend the antenna.
- 3. Stop flying at once and try again on another day.

Chopper is not flying high enough.

- 1. Charger Battery life is nearly exhausted.
- 2. Battery pack is not fully charged.

- 1. Replace with new batteries.
- 2. Recharge the HeliChopper.

Helicopter can not rotate left or right.

- 1. HeliChopper needs time to steady and balance itself.
- 2. Battery is losing power.

- 1. Pause and let the helicopter steady itself and then try again. If it does not steady, the wind may be too strong to fly.
- 2. Land immediately and recharge the battery.

HeliChopper crashed to the ground while landing.

- 1. You may have released the throttle/trigger too quickly or too far.

- 1. Try again and release the trigger more slowly to allow the helicopter to slow and spiral down for a landing.

## Ordering Spare Parts

Spare, repair and replacement parts are readily available for your aircraft. Should you need parts, visit your local hobby dealer first. If unavailable, you may contact Megatech. Use this sheet as a guide.

Part Number	Description
8209-01	Main Rotor Blade Orange
8210-01	Main Rotor Blade Green
8209-02	Tail Rotor Blade Orange
8210-02	Tail Rotor Blade Green
8209-03	Transmitter Orange
8210-03	Transmitter Green
8210-04	Rechargeable Ni-MH Heli Battery Pack
8209-05	Landing Gear Orange
8210-05	Landing Gear Green
8210-06	Transmitter Battery Hatch
8209-07	Base/Heliport Orange
8210-07	Base/Heliport Green
8210-08	Base/Heliport Battery Hatch

Contact us at:

Megatech Parts Department  
 8300 Tonnelle Avenue  
 North Bergen, NJ  
 Telephone: (201) 662-2800  
 Fax: (201) 662-1450  
 E-mail: [info@megatech.com](mailto:info@megatech.com)

## Megatech® Limited Warranty

Megatech International guarantees this item to be free from defects for a period of 90 days from date of purchase. If any component of this product fails to function properly due to defects in materials or manufacturing process during this 90 day period, the manufacturer's obligations are limited and manufacturer can choose to either repair or replace the item.

This warranty is void if the product in question has been altered or repaired by anyone other than Megatech International or an authorized agent.

Under no circumstances will Megatech International or any of its representatives be held liable for injury to persons or property damage resulting from assembly or use of the product. Megatech is not liable if any outside radio frequencies interfere with the product's frequency causing loss of control. Megatech International will not be held liable for any personal injury or property damage resulting from an out-of-control model caused by use or misuse of the product. Megatech International expressly excludes any and all express warranties not specifically stated here and all implied warranties of merchantability and fitness for a particular purpose. There are no warranties which extend beyond the description of the warranties contained herein.

**Contact the Megatech International Service department before returning any item** that is defective according to the limitations listed above. Please be sure to pack the returned item(s) carefully. The customer must return the product along with proof of purchase, a letter stating the problem, the customer's address and telephone number. At this point in time we will either repair the defective part or replace it and return it to the customer. Return shipping and handling in the 48 contiguous states is \$12.99. Shipping outside of the 48 states will be quoted by location.

This warranty does not cover any damage caused by use, misuse, alteration, accident, or neglect, nor does it cover normal wear and tear of the product. Product returned to us which falls under this category will be submitted to our service department for repair. We reserve the right to charge any service and parts fees incurred when repairing the item.

**Megatech International**  
**8300 Tonnelle Avenue**  
**North Bergen NJ 07047**  
**(201) 662-2800**  
**www.megatech.com**

LOOK FOR THESE OTHER FINE MEGATECH PRODUCTS

MTC9932  
COSMIC FLYER R/C EASY FLYER



MTC7702  
OCEAN EXPLORER 1 R/C SUBMARINE



MTC7701  
H2O ELECTRIC MINI R/C SPEEDBOAT



Megatech International  
8300 Tonnelle Avenue, North Bergen, NJ 07047  
(201) 662-2800

[www.megatech.com](http://www.megatech.com)