



HOPPER FLY[®] *Flight Manual*



www.megatech.com

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If you have questions about operating or assembling your new Megatech product... Please Call Megatech First!

DO NOT RETURN THIS PRODUCT TO THE STORE

Call our Customer Service Department at:

(888) MEGA-911 or send an e-mail to:

info@megatech.com

10:00am - 4:00pm, EST Monday through Friday (except holidays)

Technical assistance is also available on the web at www.megatech.com or by e-mail to questions@megatech.com

Congratulations! You have just purchased Megatech’s Hopper-Fly the most stable, ready-to-fly helicopter ever offered—period! The precision synchronization of its CBR-Drive™ (Contra Balanced Rotational Drive), keeps the twin rotors rotating in exact harmony. Accordingly, the Hopper-Fly performs rock-steady hovering right out of the box. Also adding to Hopper-Fly’s fantastically easy-going flying characteristics is centrifugal stabilization offered by the weighted fly-bar; a feature normally found on more expensive model helicopters.

READ ENTIRE MANUAL FIRST BEFORE ATTEMPTING TO FLY

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Important! Before you begin, please read all safety precautions and warnings. Failure to comply with any of the following could lead to bodily harm or injury. The Megatech Hopper-fly is not intended for those under 12 years of age without proper adult supervision.

SAFETY PRECAUTIONS

TRANSMITTER SAFETY

This device complies with part 15 of FCC rules.

Operation 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.

- Before you begin to fly, look at the frequency sticker on the back of your transmitter and make sure no one in the area is on the same frequency. Do not fly airplane if other radio control devices are being operated on the same frequency.
- Since your model is controlled by a radio link it is very important to always keep a fresh alkaline battery in the transmitter.

SAFETY GUIDELINES

- You alone are responsible for operating your model 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 rotor blades on this aircraft can be very dangerous! When operating/flying, always be aware of the spinning rotors. Do NOT let them come close to your body, other people and loose objects such as clothing or jewelry.
- Always fly your helicopter in a wide-open area, at least the size of a soccer field. Make sure that the area is free from obstructions such as buildings, electric power lines, trees, roads, other people and vehicles. Do not fly around people who are unaware that you are flying a model helicopter, and never fly over people's heads.
- Fly ONLY on calm days. Gusty winds and wind over 7MPH will make it difficult (if not impossible) to control your helicopter properly.
- Do not attempt to disassemble any of the model's components or allow them to get wet. Electrical damage may occur.
- Never fly your model from roadways or after dark.
- Keep spectators behind you when flying.
- Never use solvents or liquid cleaners to clean this model. Doing so may damage the unit or electronics. Only use a dry, soft cloth for cleaning.
- Do NOT hold the Hopper-fly when launching. A sudden wind shift could send the helicopter in your direction, possibly resulting in injury.

RECHARGEABLE BATTERY WARNINGS AND PRECAUTIONS

- ALLOW HOPPER-FLY TO COOL FOR 10-15 AFTER EACH FLIGHT BEFORE ATTEMPTING TO RECHARGE
- Use only the included charger or one that is approved for use with this product
- Never leave helicopter unattended while charging.
- Always remove batteries from your charger when you finished flying for the day. Do not store batteries inside the charger or transmitter



Nickel-metal hydride batteries must be disposed of properly.

For current regulations in your area and proper disposal sites please call 1-800-822-8837 or visit www.rbrc.org

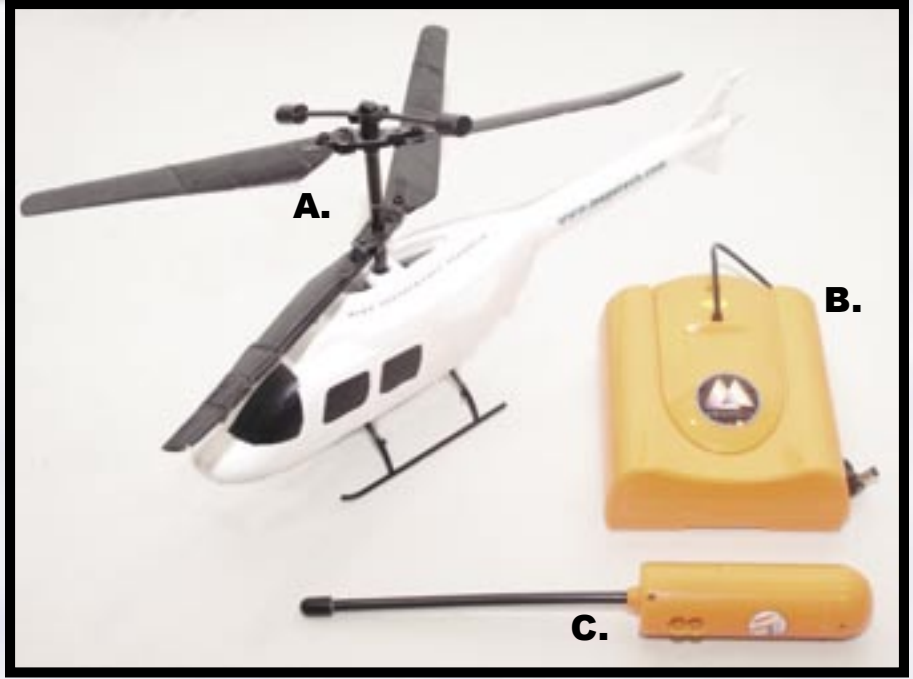
PACKAGE CONTENTS

Before getting started you will need:

- 8 - 'C' Alkaline batteries
- 1 - 9V Alkaline Battery (sold separately)

First make sure the contents of your package are complete:

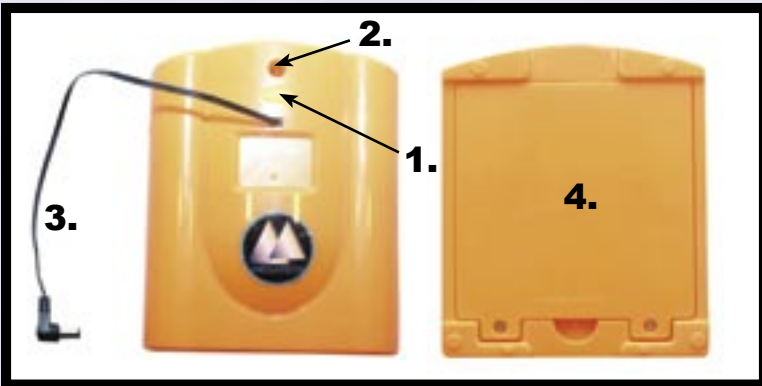
- A. Hopper-Fly
- B. Charging Base
- C. R/C Transmitter



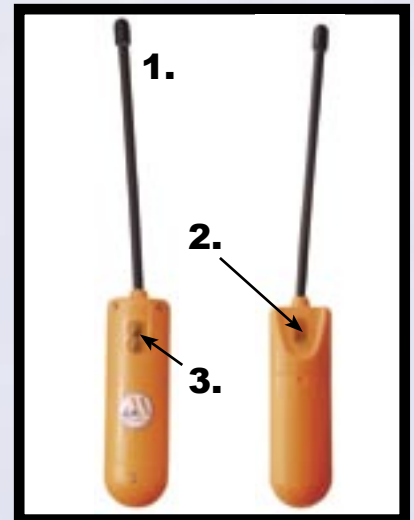
GETTING ACQUAINTED WITH YOUR HOPPER-FLY



- 1) Fuselage
- 2) Main Rotors
- 3) Landing Gear
- 4) Charging Port
- 5) Charging/On/Off Switch



- 1) On/Off Switch
- 2) Charging Status LED
- 3) Charger Link Cord
- 4) Battery Compartment



- 1) Antenna
- 2) Turbo Button
- 3) Hover Button

NOTE: Keep the box and packaging to safely store your Hopper-fly between flights. Proper storage will prevent the rotors from warping and help maintain flight performance.

INSTALLING THE BATTERIES

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CHARGING BASE

- Using a Philips Head screwdriver, unscrew the battery hatch.
- Paying close attention to their polarity (+ and -) install 8 C-size alkaline batteries.

NOTE: If your batteries are not installed properly the charging base will not function

- Reattach the battery hatch and securely tighten the screws.

RADIO CONTROL

- Remove the battery hatch using the tip of a ball point pen to push in the button located at the top of the battery door
- Install 9V battery paying careful attention to the polarity.

NOTE: If the 9V battery is not installed properly your transmitter will not function

- Reattach battery hatch using the tip of a ball point pen to push the hatch button in as you slide on the hatch



BATTERIES / CHARGING

CHARGING YOUR HOPPER-FLY

Your Hopper-Fly features built-in Megatech extended run time high performance rechargeable NiMh (Nickel-Metal Hydride) battery that must be charged before each flight (approximately 4-6 minutes charging time). NiMh Technology indicates that batteries improve performance the more you use them. The base is equipped with an automatic timer charger. It will automatically shut off when the battery is charged. The approximate charge time is 4-6 minutes. **NOTE:** Never charge for more than 10 minutes or leave unattended while charging.



SWITCH IS IN OFF POSITION



PLUGGING IN THE CHARGER LINK



CHARGER LIGHT SHOWS CHARGING IN PROGRESS

- 1) First make sure the power switch on your Hopper-Fly in the “OFF” position. If the switch is NOT in the OFF position, your helicopter will not charge
- 2) Plug the Charger Link into the charge port beneath the Hopper-Fly and make sure it is securely connected.
- 3) Place Hopper-Fly next to the charging base
- 4) Push the start button located on the Charging Base. The red LED will start blinking. This indicates that your Hopper-Fly is charging.
NOTE: If red LED does NOT illuminate, unplug the Hopper-fly and check the batteries in the Charging Base. Make sure you are using fresh C-size batteries. Never mix new and old batteries. Make sure the batteries are installed in the correct direction. If your Charging Base still does not illuminate, contact Megatech at 1-888-MEGA-911.
- 5) When the red LED stops flashing and turns off completely your Hopper-Fly is fully charged.
- 6) Disconnect Charger Link cord from the Hopper-Fly

FLYING YOUR HOPPER-FLY

- 1) Make sure your transmitter has a fresh 9-volt alkaline battery installed and your Hopper-fly has been fully charged.
- 2) turn on the Hopper-Fly by switching the on-off switch (located on the bottom of the model) to the “on” position.
- 3) Place the Hopper-fly on the ground approximately 10-feet in front of you.
Important! DO NOT press either the Hover or Turbo button on the transmitter control unit until the Hopper-Fly is placed on the ground and 10-feet from your person and any onlookers.
- 4) Press and hold the “Hover” button on the front of the transmitter down to make your Hopper-fly lift off the ground, the red LED light in the button will light confirming that radio transmission is being sent.
- 5) Now press in the “Turbo” button on the back of the transmitter control unit to boost power allowing the Hopper-Fly to quickly gain altitude. When unit is at desired height, release the “Turbo” button but continue to hold the “Hover” button to maintain this height.
- 6) Landing is accomplished by pulsing the “Hover” button (quickly blipping it on and off) until the Hopper-Fly gently lands on the ground.
- 7) Practice your first landings by only raising your Hopper-Fly 6 to 12 inches off the ground so as not to damage the model on rough landings from higher altitudes. Once you feel confident, you may then take the Hopper-Fly to greater altitude.
- 8) If the Hopper-Fly happens to get caught in an unexpected gust of wind, land it before it gets carried too far away in the breeze.
- 9) After the rechargeable batteries have been cycled a few times, the average flight duration for your Hopper-fly is 2 to 4 minutes depending on charge time and the amount of “Turbo” application control used.

If you are experiencing trouble, please follow these guidelines or call one of our MegaTechnicians at 1-888-634-2911. We will have you up and flying in no time!

Problem: No power to radio control transmitter or charger

Cause 1: Batteries are incorrectly installed

Solution 1: Make sure batteries are installed in the correct direction

Cause 2: Batteries are exhausted

Solution 2: Replace the batteries with new alkaline batteries

Problem: No blinking red light when charging

Cause 1: Charge nozzle is not properly plugged into the charge port

Solution 1: Make sure charging cord is securely inserted into Hopper-Fly

Cause 2: Batteries are exhausted

Solution 2: Replace ALL 8 C-Size batteries

Problem: Helicopter is not flying high enough

Cause 1: Charger battery life is nearly exhausted

Solution 1: Replaces ALL 8 C-Size batteries

Cause 2: Battery pack is not fully charged

Solution 2: Recharge the Hopper-Fly using fresh batteries in the base

Problem: Hopper-fly crashed to the ground while landing

Cause: You may have released the throttle too quickly or too much

Solution: Try again and release the button more gradually to allow the helicopter to slow and spiral down for a landing

PARTS LIST

PART#	DESCRIPTION
MTC831501	BLUE MAIN BLADE SET
MTC831601	ORANGE MAIN BLADE SET
MTC831502	BLUE CHARGING BASE
MTC831602	ORANGE CHARGING BASE
MTC831503	BLUE TRANSMITTER
MTC831603	ORANGE TRANSMITTER

WARRANTY

Megatech® Crash Warranty

For a period of 1-year from the date of purchase, if your Hopper-Fly is badly damaged in a crash, for whatever reason, Megatech will replace the entire helicopter (no questions asked) for a nominal fee of \$49.00 including regular ground shipping to the 48 continental states (AK, HI, & PR add \$5; for international orders the actual shipping charges will apply).

Follow these steps and a brand new Hopper-Fly will be immediately shipped directly to you:

- Pack the damaged item(s) carefully and place in a sturdy shipping carton
- Return the product along with proof of purchase
- Include a postal money order for the proper amount as indicated above.

Megatech® Limited Warranty

Megatech® International guarantees this item to be free from defects for a period of 30 days from date of purchase. This warranty does not extend beyond the initial preflight testing. Carefully check parts and operation BEFORE your first flight. Damage incurred during flying, landing, crashing or modification is not covered under the warranty.

If you discover defects during the very first preflight testing during this 30 day period, please call our Support Team toll free at 1-888-634-2911 for Return Authorization. If in our opinion after inspecting the product, we determine it to be defective; we will repair or replace it at our discretion.

Contact the Megatech® International Service Department before returning any item that is defective according to the limitations listed above.

If you are issued return authorization and asked to send the item to our Service Department please follow these steps:

- Remove the alkaline battery from the transmitter.
- Pack the returned item(s) carefully and place in a sturdy shipping carton
- Return the product along with proof of purchase
- Include a letter describing the problem
- Include your address and telephone number
- Include \$12.99 for return shipping & handling (AK, HI & PR add \$10; for international shipments actual shipping charges apply)

**Megatech International
ATTN: Service Department
8300 Tonnelle Avenue
North Bergen, NJ 07047
(201) 662-2800**

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.

Although this warranty does not cover and damage caused to the helicopter after the initial preflight testing, spare parts and service are available. Please see pg. 7 of this manual.

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.

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