

PLEASE! DO NOT RETURN THIS PRODUCT TO ANY RETAIL STORE!

For any questions or problems with this product please contact us at:

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Inside North America: 1 866 214 2220

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M9W 5M9

IMPORTANT SAFETY INFORMATION

Do not modify your MicroFighters! Do not point the antenna directly at the plane! Do not use in strong winds, use only in VERY mild conditions! Do not use in rain, snow or around heavy debris! Do not use near electrical lines! Do not use around smoke or flames! Do not use around water! Do not use around electricity! Do not use in crowded areas! Do not use around air conditioning! Do not use around air vents! Do not use around ceiling fans! Do not use around large obstacles! Do not use in very small spaces! Do be conscious of changes in your area! Any changes or modifications to this product are strictly prohibited and will void product warranty. Keep moving propellers away from eyes, hands, hair and loose clothing. Always turn off your MicroFighters and transmitter when not in use. Always remove batteries from transmitter during storage. Always place transmitter with NEW alkaline batteries for optimal performance. Keep your Pilot's manual in a safe place for future use. Only use the provided charger included with the MicroFighters to charge the lithium polymer battery installed in the MicroFighters.

IMPORTANT BATTERY INFORMATION

Use only batteries recommended in this instruction manual. Do not mix old and new batteries.

Battery installation should be performed by an adult. Be careful to install the batteries with the correct polarity, as indicated.

Do not use rechargeable batteries. Do not mix alkaline, standard, lithium, rechargeable, or different types of batteries.

The supply terminals are not to be short-circuited. Exhausted batteries are to be removed as they will hinder performance.

Never leave a battery unattended while it is being charged. Never leave a battery unattended in the presence of children.

MicroFighters charging time will increase with usage as the condition of the AA cells diminish. Battery performance may greatly influence flight characteristics. MicroFighters Li-Po rechargeable battery is not replaceable.

MicroFighters takes 6 AA battery (not included).

FCC NOTICE: U.S. ONLY

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. 2) This device must accept any interference received including interference that may cause undesired operation. 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. 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 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 and 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 to 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.

Industry Canada Notice: Canada only.

This radiocommunication device complies with all the requirements of Industry Canada Standard RSS-310.

Operation is subject to the following two conditions: 1) This device may not cause harmful interference.

2) This device must accept any interference received, including interference that may cause undesired operation. Field Strength and measurement distance: 27.145MHz - 54.95 dBuV/m at 3 meters. 49.860MHz - 63.86 dBuV/m at 3 meters.

Limited 30-day warranty

This product is warranted by Interactive Toy Ltd. against manufacturing defects in material and workmanship under normal use for thirty (30) days from the date of purchase. Please retain proof of purchase.

Lithium Polymer Rechargeable Batteries must be recycled or disposed of properly.



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AGE 12+

MICROFIGHTERS

Thank you for purchasing the MicroFighters, the world's smallest and most progressive digital proportional radio control aircraft. To insure safe and reliable operation, please read the entire contents of this manual before removing the aircraft from its package.

Please Note:

MicroFighters is an advanced aircraft that uses sophisticated onboard technology unlike any found in similar aircrafts. Even experienced pilots should read the full contents of this manual carefully to receive the most from your flying experience.

WARNING:
CHOKING HAZARD - Small parts.
Not for Children under 3 years.

Do not touch the running propeller!
Adult supervision is required!

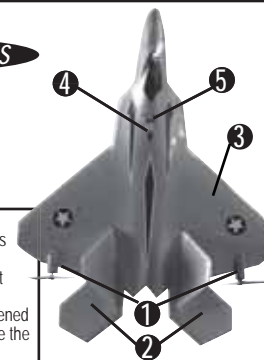
PACKAGE CONTENTS

•MicroFighters	1PC
•Transmitter	1PC
•Antenna	1PC
•Instruction manual	1PC
•Landing gear	1PC
•Spare Propeller	2PCS

Parts Index

MICROFIGHTERS

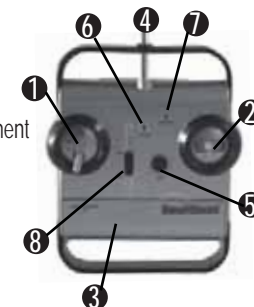
1. Propeller
2. Horizontal tail
3. Wing
4. Charge port
5. ON/OFF Switch



To prevent damage during shipping, your MicroFighters is securely fastened in the package. Please insure that all tie downs and fastening locations have been unfastened before attempting to remove the aircraft from its package.

TRANSMITTER

1. Throttle control
2. Steering control
3. Charging lead compartment
4. Antenna
5. Steering Trim knob
6. Power LED "Red"
7. Charging LED "Green"
8. ON/OFF switch



BEFORE FLYING

1. Use a Phillips head screw driver (cross head) to loosen screw and remove cover.
2. Insert 6AA batteries in the correct polarity as indicated inside the battery door cover.
3. Place cover back and re-tighten screw.
4. Screw antenna in place.



CHARGING THE MICROFIGHTERS

1. Make sure the power switch of the MicroFighters is in the OFF position. NOTE: Always switch OFF the plane after flying!
 2. Make sure the controller antenna is collapsed to avoid breaking it while not flying and to prevent accidentally interfering with another RC aircraft on the same frequency.
 3. Remove the charge lead on the transmitter and insert it into the charge port on the MicroFighters.
- NOTE: Always insure you insert the charge lead using the correct orientation.
4. Turn the transmitter switch to the ON position.
 5. Green LED will blink indicating plane is now being charged.
 6. Charge the MicroFighters fully which typically takes about 30 min.
 7. Green LED will stop blinking and light steadily, indicating that the plane is fully charged.
 8. Remove lead and place back inside storage compartment.
 9. Turn transmitter OFF.
 10. If you forget to turn off the transmitter and are not moving the control sticks, after 3 minutes the red LED will start blinking to remind you to turn it off!



NOTE: The MicroFighters will enter sleep mode if idle over 3 minutes. To "wake up", power off both your Microfighters and the transmitter, and then turn on again. If battery is low the green LED will blink.

Unlike other types of rechargeable batteries, Lithium Polymer rechargeable batteries do not require a full charge for operation. However it is necessary to FULLY charge on the first flights for best results. *Shorter Charges = Shorter Flight Times. *Always charge and operate in altitude below 4000ft! If the operation geographic environment is over the designed altitude, the flight time may shorten and the product may not function correctly.

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Pre-Flight

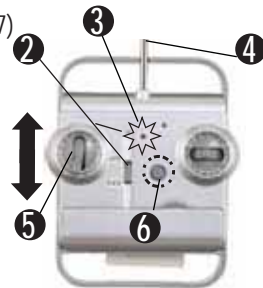
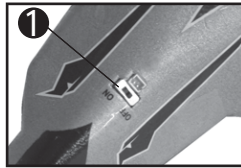
- Do not touch the running propeller!
- Adult supervision is required!
- Always fly your aircraft in a large grassy area free of trees and other obstructions. This will help protect your Micro Fighters during impact.
- The MicroFighters is designed for very stable outdoor flying with wind conditions not to exceed 7 KPH / 4mph. If you can feel the wind, DO NOT FLY!
- Make first flights with the landing gear on to help stabilize the flight and simplify the control of this sensitive and maneuverable aircraft. After you have gained experience you can try flying with the Landing gear removed!
- Your MicroFighters can be flown with or without landing gear. In addition to enabling realistic takeoffs and landings from smooth surfaces, the landing gear has the additional function of slightly degrading the performance of this sensitive aircraft and also making it more stable and easier to control smoothly, especially for beginners. It is strongly recommended that you make all first flights WITH the landing gear on AND to use a normal hand-launch over grass.

Notes: ONLY after you have gained experience should you consider a ground takeoff.

- After you have advanced to the Pro Mode you can remove the stabilizing landing gear to do wild maneuvers just like a full-size jet fighter!

Flying your MicroFighters

1. Switch the MicroFighters to the "ON" position. (1)
2. Turn transmitter switch to "ON" position. (2)
The red LED will light steadily. (3)
3. Fully extend the antenna. (4)
4. Move throttle control (left control stick) fully forward and back to activate the transmitter. (5)
5. Make sure trim knob is centered with arrow pointing up. (6)
6. Push throttle control forward to half (middle) before launch for FIRST flights.
7. Hold the nose of the MicroFighters with two fingers to launch. (7)
8. Launch the MicroFighters as straight and level as possible; always launch gently INTO the wind. (8)
9. Add throttle gently while adjusting the steering trim knob on the transmitter.
10. Adjust trim Left when the MicroFighters turns Right.
11. Adjust trim Right when the MicroFighters turns Left.
12. Repeat steps (10) and (11) several times to make sure your MicroFighters travels in a straight line.



Advanced Flight Techniques

MicroFighters is designed to make sharper and tighter turns as you reduce the throttle power! Maximum turning will be during gliding. Control is thus less sensitive during full throttle.

Sharp turns can be performed by quickly reducing throttle power to pitch the nose up and to increase control sensitivity. Then while holding the right stick for a turn, you can precisely control the amount or radius of the turn with the "LEFT" (throttle) stick: pushing forward on the LEFT stick widens the turn; pulling back the "LEFT" stick tightens the turn. The left stick functions as an ELEVATOR control in this case! Once the inside wing begins to bank a little move right stick back to center. The MicroFighters will maintain the turn by itself; push right stick in opposite direction to straighten out.

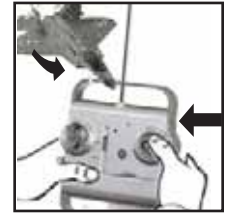
NOTE: Your MicroFighters is designed to self-stabilize automatically when power is reduced. In an "emergency" situation in which the plane is out of control, quickly pulling the left throttle stick ALL the way back to stop the motors will let the plane save itself and not crash!

To land your MicroFighters direct it INTO any slight wind and decrease throttle for slow and steady descent. For perfect landings on smooth surfaces with the landing gear however, land WITH the wind in the same direction it is blowing for a gentle touchdown.

To let your MicroFighters take off from any smooth surface allow about 17 m / 50 ft takeoff run and even more clear space for climb out. Point it INTO any slight wind and give full power while making careful steering corrections. Practice with your MicroFighters until you are confident and skilled enough to cancel the restricting feature of Easy Mode and use the Pro Mode. To switch over to Pro Mode: BEFORE you turn on the controller, hold the RIGHT stick hard over to the right. Then turn on the controller while still holding the RIGHT stick to the right. You can release the right stick and the red LED will blink three times indicating you have activated Pro Mode and deactivated the Easy Mode! Move the LEFT stick forward and back once to enable the controller as before.

Control Reversal

When the plane is coming towards you it appears to turn in the "wrong" direction. But if you imagine yourself in the pilots seat, the model is in fact turning correctly. Try turning your back to the aircraft and looking over your shoulder.



Trouble shooting

SYMPTOM	CAUSE	CORRECTION
Propeller will not rotate	ON/OFF switch is "OFF" Low battery.	Set switch to "ON" Position. Recharge battery.
Circles and descends after take off	Trim knob requires adjustment.	Adjust the trim knob.
Can't create lift	MicroFighters not facing the wind	Point MicroFighters into the wind
Unable to stay in the air	Not enough power	Recharge MicroFighters
Poor response b transmitter	Frequency interference may occur near high voltage lines, transformers and some large buildings	Change location
Difficult to control	Strong wind	Only fly during extremely calm conditions or indoors
Loss of control	Another controller on the same frequency is being operated in the same vicinity Controller out of range from MicroFighter	Change location Ensure the antenna is fully extended and reduce distance
Landing gear bent	Landing gear may bend on impact (This will not affect flight performance)	Remove landing gear from plane and bend back into position
Landing gear will not stay inside plane insert	Damage occurred during impact	Use small amount of clear household tape to hold landing gear in place.

NOTE: In the event that your MicroFighters sustains damage during impact, the problem may be easily corrected by simply applying clear household tape to the damaged area.

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