

Lightning Airplane with Charger

Model 42619

SET UP AND OPERATING INSTRUCTIONS



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IMPORTANT:
If damage is caused due to a crash, your warranty is void.

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For technical questions or replacement parts, please call 1-800-444-3353.

Manual Revised 10a

SAVE THIS MANUAL

Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

SPECIFICATIONS

Main Body	10-5/8" L X 1" W
Main Wing	14-1/8" L X 2-3/8" W X 1/8" Thick
Small Wing	5-3/4" L X 1-3/4" W X 1/8" Thick
Flap	1-1/4" L X 1-3/4" W
Weight	1.2 lb.
Charge Time	30 seconds ONLY. Do not charge more than 30 seconds
Charger	Uses 2 AA size batteries (not included)
Includes	Propellers Spinner Set (2) Portable Charger Landing Gear

FOR AGES 9 AND OLDER

IMPORTANT SAFETY INFORMATION

Assembly Precautions

1. Assemble only according to these instructions. Improper assembly can create hazards.
2. Wear ANSI-approved safety goggles during assembly.
3. Keep assembly area clean and well lit.
4. Keep bystanders out of the area during assembly.
5. Do not assemble when tired or when under the influence of drugs or medication.

Use Precautions

1. Do not operate the product if under the influence of alcohol or drugs. Read warning labels on prescriptions to determine if your judgment/reflexes might be impaired.
2. Use as intended only.
3. Wear ANSI-approved impact safety goggles.
4. Inspect before every use; do not use if parts are loose or damaged.
5. Do not catch the Airplane while it is in motion.
6. Only use the Airplane in a large area free of trees, power lines and other obstacles.
7. Children using the Airplane or Charger should always be under adult supervision.
8. Do not fly near buildings, cars or busy streets.
9. Do not fly near electrical wires.
10. Do not fly the Airplane at or near other people or animals.
11. To not attempt to fly the Airplane if wind conditions are above 10 MPH.

Battery Precautions

1. Position batteries in proper polarity and **do not install batteries of different types, charge levels, or capacities together.**
2. **Do not install used and new batteries together.**
3. Use only 'AA' batteries in the charger.

ASSEMBLY



Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this document including all text under subheadings therein before set up or use of this product.

1. Locate the Main Wing and Fuselage. Remove the tape covering on the center of the Fuselage. Adhere the Wing to the Fuselage making sure that the center of the Wing lines up with the center of the Fuselage. Use a small pin or apply slight pressure to hold the wing in place until the adhesive is tightly in place.

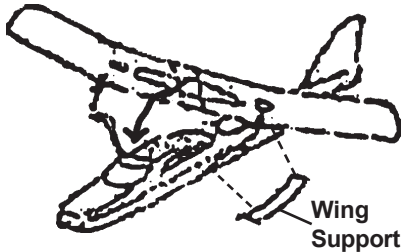


Figure 1-Wing to Fuselage

2. Peel off the cover from the two small pieces of adhesive tape on the underside of both wings. Adhere the two Wing Supports to the Wing-see Figure 1.

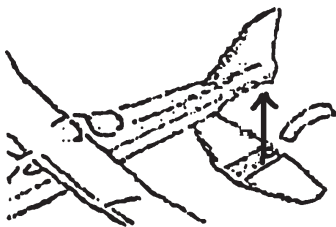


Figure 2 -Stabilizer to Fuselage

3. Peel off the covering from the adhesive tape located on the bottom side of the Fuselage Tail. Making certain that the mid point of the Stabilizer is lined up with the midpoint of the Fuselage, attach the Horizontal Stabilizer to the Fuselage-see Figure 2.

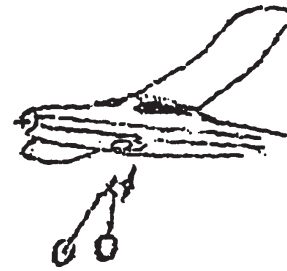


Figure 3 - Landing Gear

4. While squeezing the legs of the Landing Gear together, insert legs into the slot on the bottom of the Fuselage. After the Landing Gear is inserted, release pressure on the Landing Gear Legs so that they snap into place and are held in their slot on the Fuselage-see Figure 3.

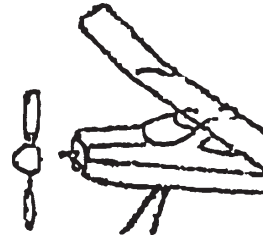


Figure 4 - Propeller to Motor

5. Plug the Propeller Spinner set on the Motor. Make certain that the Propeller fits tightly on the Motor Shaft-see Figure 4.

CHARGING

1. If the temperature is lower than 55° F, warm the battery by holding it or bringing it indoors to a warmer temperature before charging. Do not heat the battery with a flame.
2. If the battery is hot or warm from previous use, allow it to cool to room temperature before charging.
3. Insert two 'AA' batteries into the charger.

CAUTION! Position batteries in proper polarity and do not install batteries of different types, charge levels, or capacities together.

- Turn the plane's switch off. The OFF position is the position closer to the Battery. Plug the Charger into the Charging hole on the Fuselage. Charging takes about 30 seconds. The NiMH battery in the plane is fully charged when it becomes warm to the touch. Test the charge by touching the battery with your finger.
- To adjust the pattern, bend the rudder slightly left or right. If the head of the plane appears too heavy, you can correct this by slightly bending the Horizontal Stabilizer upward or downward.
- Turn the airplane's switch off after use.

WARNING! DO NOT CHARGE THE BATTERY LONGER THAN 30 SECONDS. Allow the battery to cool down after each charging. Overcharging can cause overheating, resulting in PERSONAL INJURY or property damage.

OPERATION

- Choose a day when the wind is light. Find a wide-open field.

NOTE: Keep an eye on your Airplane to avoid losing it. For this reason, a large area free of obstructions and debris is ideal for flying your Airplane.

- Turn the Switch ON. Gently toss the Airplane into the wind with the Nose pointing slightly upward. Keep the Wings level. The Airplane will slowly begin climbing.
- The airplane will fly in a circle, in a radius of about 24 to 30 Feet. If the flying radius is too big or if the Airplane is flying straight, you can adjust its pattern for the next flight.
- After being fully charged, the airplane will fly for a period greater than one minute, and will climb to about 50 feet altitude.

MAINTENANCE

- Let the battery cool down between flights to maximize performance.
- Do not use polystyrene cement for repairs, as it may melt parts of the plane.
- If the Propeller Shaft has been pushed into the Body after a collision, you can simply pull the Shaft out. Make certain that the power is OFF before you do so.
- Let the battery run out before each charge to prolong battery life.
- Remove batteries if the Airplane is not used for a long period of time.

PARTS LIST

Part	Description
RZ - FF2 - 1	Wing & Stabilizer
RZ - FF2 - 2	Battery
RZ - FF2 - 3	Portable Charger
RZ - FF2 - 5	Propeller / Spinner
RZ - FF2 - 6	Landing Gear
RZ - FF2 - 7	Battery Base
RZ - FF2 - 8	Motor
RZ - FF2 - 9	Fuselage / Plane Body

Note: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.

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