



## Instruction Manual



MTC 8112 - Capitol Flyer

MTC 8113 - Skyliner

MTC 8114 - Airstike

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Learn the basics of Aerodynamics with Megatech's Fun Flight Series Free Flight Airplanes! This Rechargeable Electric powered Cessna style airplane is perfect for introducing kids into the exciting world of aviation. The unique break-away wing design allows the free flight to be flown again and again even after a crash landing!



### General Safety



- Always fly in an open area far from streets, power lines or trees.
- Do not fly in winds over 5MPH
- Have all spectators stand clear when launching and flying the airplane



### Battery Safety



The free-flight's on-board battery is made of the latest technology in Nickel-cadmium batteries. Special safety precautions **MUST** be observed to prevent injury to yourself or damage to the battery pack.

- NEVER** charge the battery pack for longer than 2 minutes
- DO NOT** allow smoking, sparks or an open flame near the while charging.
- ALWAYS** charge the battery in a well ventilated area
- DO NOT** incinerate or alter the battery, doing so may result in the battery bursting and releasing toxic materials.

- ❑ If battery pack gets very hot or makes a popping sound or leaks a liquid during the charging process---**STOP CHARGING IMMEDIATELY**, the pack has overheated and will be damaged by further use.



### Propeller Safety



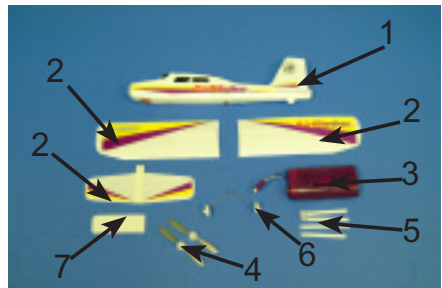
The free flight has a high-speed performance propeller and adult supervision is required during use.

- ❑ Do not alter your propeller, discard worn or damaged propellers.
- ❑ Keep fingers, face and all loose objects away from spinning propeller
- ❑ Only use propellers approved for use with this free flight airplane

## 1. Getting Acquainted with your Free Flight

Before you begin, make sure the contents are complete:

1. Airplane Fuselage
2. Main Wing & Tail Wing set
3. Charger
4. Propellers (2)
5. Wing Supports
6. Landing Gear
7. Wing Brace



## 2. Attaching the Main Wing & Wing Supports

- First lay the 2 halves of the main wing next to each other with the double sided tape facing up
- Find the 2 flat wing supports (non-bent)
- Remove the protective paper from the double sided tape on both pieces of the main wing
- Push peg through indented circle as shown and align the wing support with the tape as shown (peg should push through to under side of the main wing)
- Remove protective paper from double sided tape on top of the fuselage
- Center main wing pieces as shown, making sure the pegs are facing downwards and the decals are positioned towards the front of the plane.



- ❑ Remove protective covering from double sided tape on the wing support holders on the side of the fuselage



- ❑ Locate the 2 bent wing supports. Push peg on main wing through the hole in the bent wing support and Twist wing support so peg locks into place and align with wing support holder as shown



- ❑ Do the same thing for both sides of the airplane

- ❑ Locate wing brace and remove protective paper from the double sided tape



- ❑ Center wing brace over main wing and align with the curved portion towards the front of the plane.



### 3.Attaching Tail Wing

- Locate Tail wing and Remove protective covering from double sided tape
- With double sided tape facing downward, insert tail piece with the extra tape hanging towards the back.



- Slide completely into the slot as shown and squeeze the tail piece closed



### 4.Attaching the Propeller & Landing Gear

- Twist Propeller onto shaft until approximately 1/32" clearance between propeller and fuselage



- Locate landing gear and squeeze the wheels together as you insert into the bottom of the fuselage



## 5. Charging the Airplane

- You will need 4 “C” alkaline batteries for the charger. Note: Always use fresh alkaline batteries. **DO NOT** mix old and new batteries to assure optimum performance.
- Flip top of charger open and insert batteries paying careful attention to the “+” and “-” polarity pictured on the side of the charger case
- Make sure the switch on the bottom of your plane is in the “off” position. Connect the charger to the charger adapter on the bottom of the plane.



- Push red button for up to 2 minutes. **DO NOT** overcharge the battery. Motor performance will improve after about 5 motor runs



- When charging is complete, remove charger from the airplane

## 6. Flying

- ❑ Once plane has been charged, proceed to the center of your flying area. Note: Flying area should be approximately the size of a soccer field.
- ❑ Turn the motor switch “on” and launch your airplane into the wind. Toss the plane into the wind, ensuring the plane is level with the horizon. If the plane is tilted upwards or downward, your launch may not be successful.
- ❑ **Use extreme caution** to keep away from spinning propeller. Children under 10 years of age should be accompanied by an adult.



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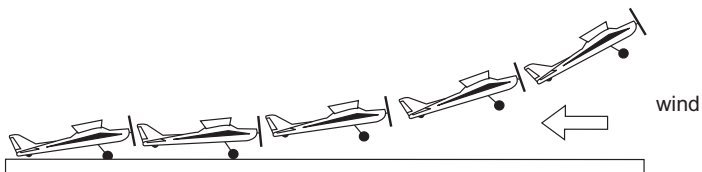


correct



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After a few hand launch flights you may want to try to take off from the ground. Charge your plane for a full 2 minutes. Choose a flat, smooth surface and place your plane facing into the wind. Switch the plane “on” and let it go on its own. It will begin to climb after about 30 feet.



## 8.Tips

- If the plane crashes, the wing should break away. If this occurs, simply slide it back into position before your next flight
- Clear packing tape can be used to repair a cracked or broken wing
- Spare parts are available

## 9.Specifications

Wingspan: 17.75"

Length: 13.75"

Operation Time: 2 minutes

Charge Time: 2 minutes

Required: 4 "C" alkaline batteries

## **Warranty Information**

Megatech International guarantees the parts included in this kit to be free from defects that exist at the time of purchase 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 Manufacturers obligations are limited and manufacturer can choose to either repair the defective part or replace it.

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. This warranty is void if the part/product in question has been altered or modified 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 Megatech International before returning any part/product that is defective according to the limitations listed above. Please be sure to pack the returned item(s) carefully and insure it as this warranty does not cover loss or damage during transit

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