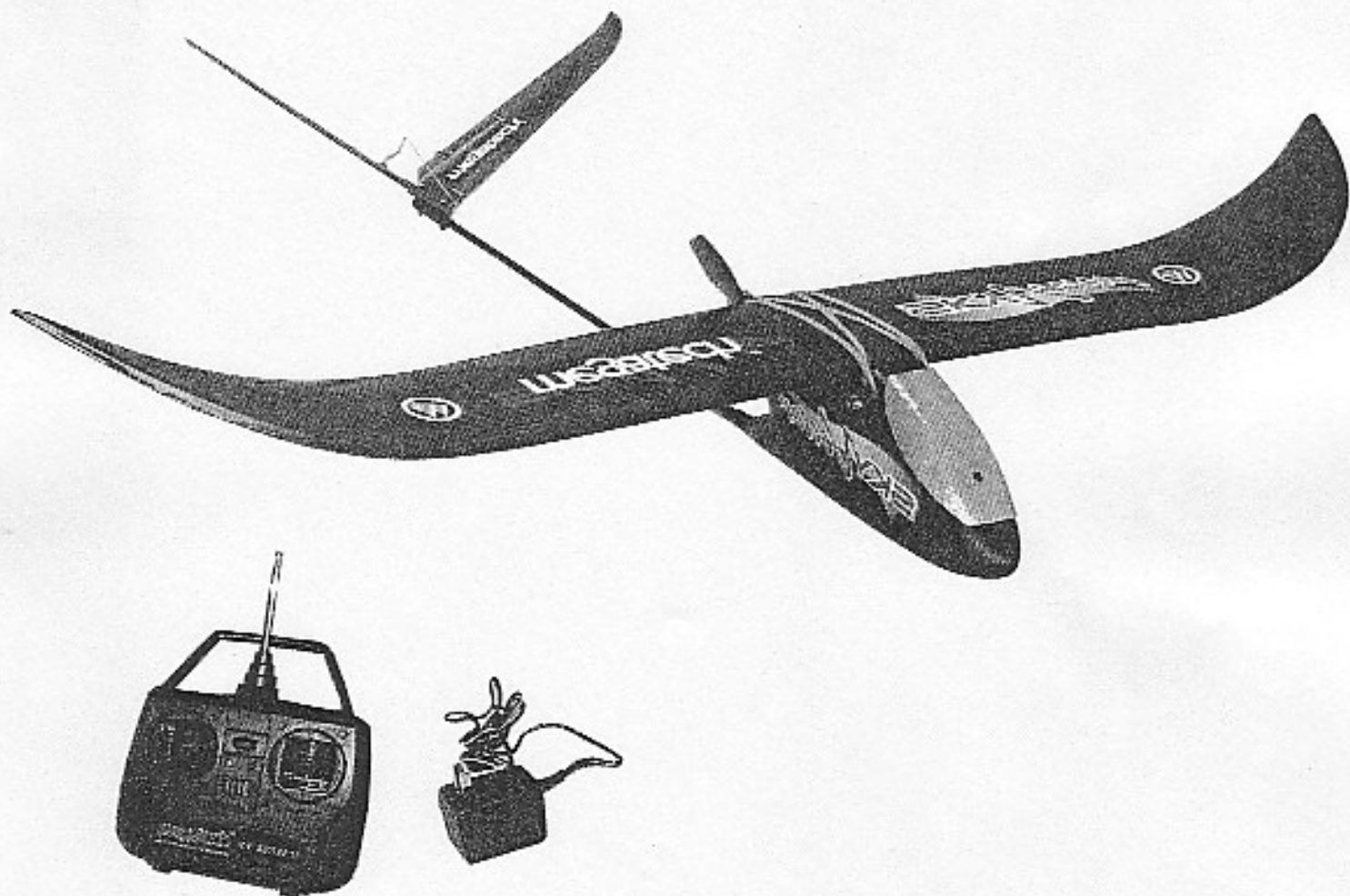




# megatech®

HIGH PERFORMANCE PRODUCTS



Megatech warrants this product to be free from original manufacturing defects upon purchase by the consumer. Megatech makes no express or implied claims regarding this product once it has been assembled and flown. This warranty does not cover damage from intentional misuse, abuse, fire, flood, or other damage unrelated to the use of this product for the purpose of which such products are normally intended. This warranty does not cover damage from products used with this item that are not approved for use with this product. The purchaser of this product acknowledges and understands that they alone assume all risk and liability for personal or property damage and/or injury resulting from the buyer's use of this product. Under no circumstances shall Megatech's limits of liability from use of this product exceed the original purchaser's cost of the item. The express warranties contained above are in lieu of all other warranties, expressed or implied, including but not limited to the warranty of merchantability and/or fitness for a particular purpose, nor shall Megatech, its divisions or assigns be liable for any incidental or consequential damages, costs or expenses incurred by the purchaser of this product.

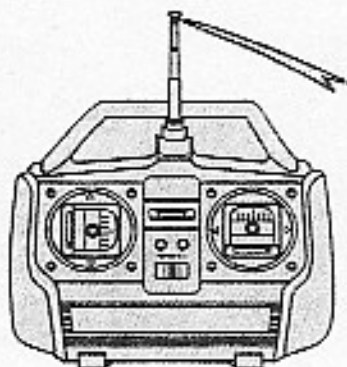
This warranty gives you specific legal rights, but other rights that vary from state to state may be available to you

Note: Use of Sky Vector Has no license requirements. You may fly it in any open field. "Check for local ordinances"

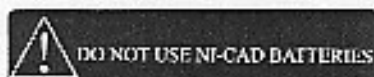
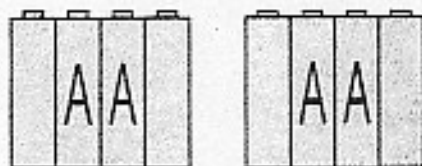
## PRIOR TO ASSEMBLY

### 1 TRANSMITTER

a. Transmitter Mega 2 stick

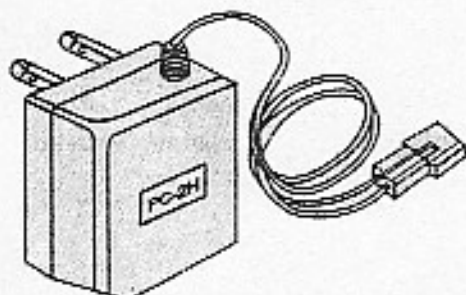


b. Power supply: 8AA alkaline batteries or fully charged NI-MH batteries.



### 2 CHARGER(PC-2H) AND BATTERIES

a. Charger



Disconnect the battery after charging for 6 hours or when the battery feels hot. Over charging will damage the battery

b. Ni-Mh 6.0V



Run down the battery pack completely before recharging. This will increase battery life.

### 3 TOOLS (Not Included)



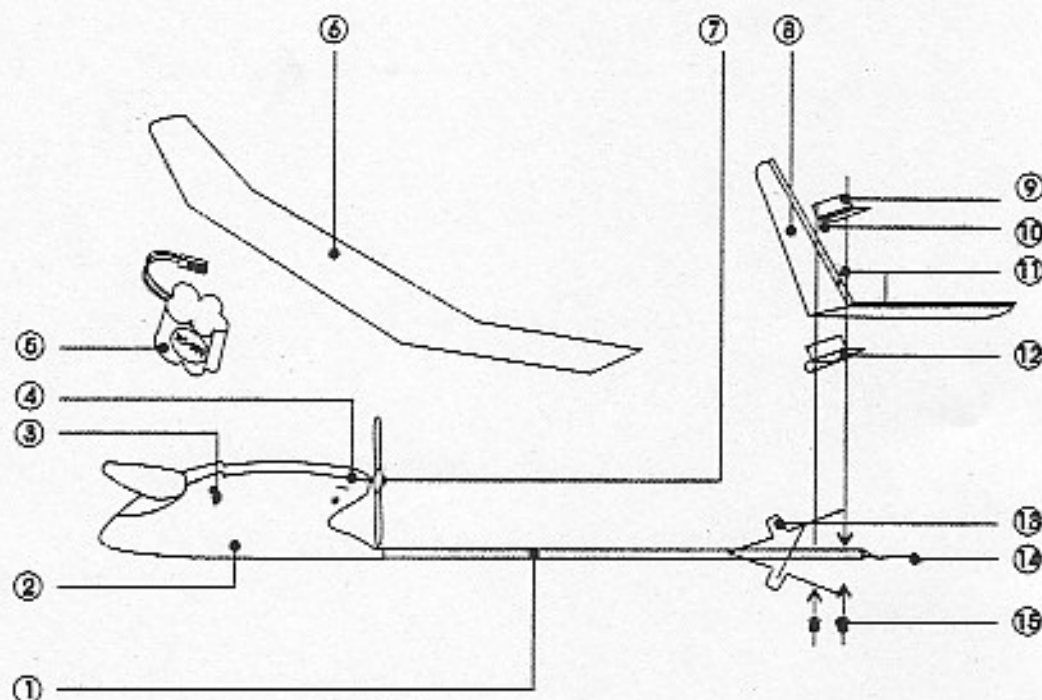
a. HOBBY KNIFE



b. SCREWDRIVER

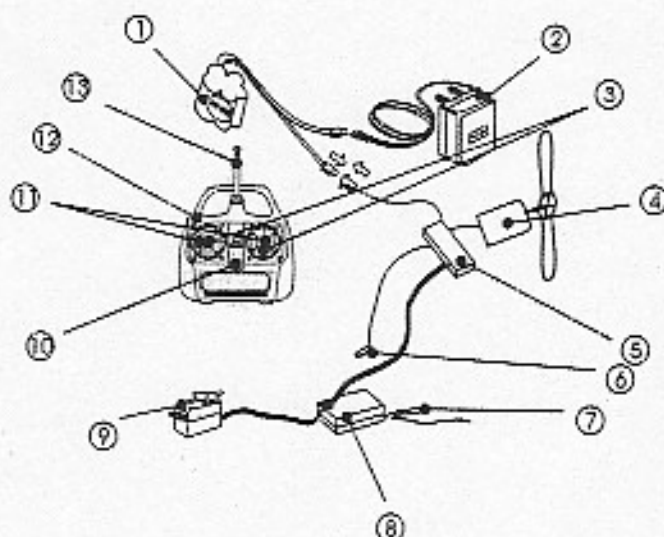
# MECHANICAL DRAWINGS

## 1 MECHANICAL DRAWING



- (1) Stick (2) Fuselage (3) Start Switch (4) Motor (5) Ni-Mh battery (6) Main wing (7) Propeller (8) V-shaped tail wing (9) tail mount (10) screws (11) rudder connector (12) tail mount (13) rudder rod (14) Receiver antenna (15) self-tapping screws

## 2 POWER SYSTEMS

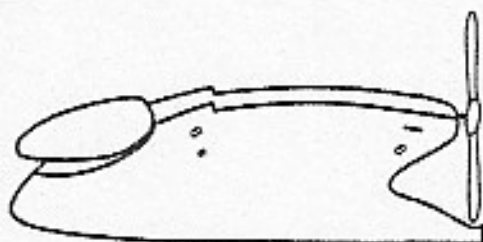


- 1) NI-MH BATTERY  
2) CHARGER  
3) ELEVATOR AND RUDDER STICK  
4) MOTOR  
5) SPEED-CONTROL  
6) START SWITCH  
7) ANTENNA  
8) RECEIVER  
9) RUDDER SERVO  
10) POWER SWITCH  
11) TRIMS  
12) TRANSMITTER  
13) TRANSMITTER ANTENNA

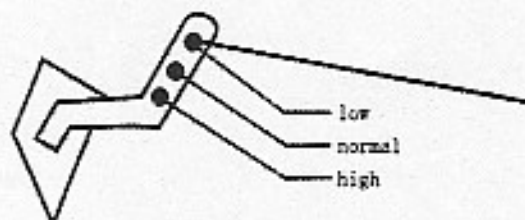
## ASSEMBLY

### 1 ASSEMBLY OF THE PROPELLER

- a. Push the propeller onto the motor shaft approximately 2mm away from the base of the plane.

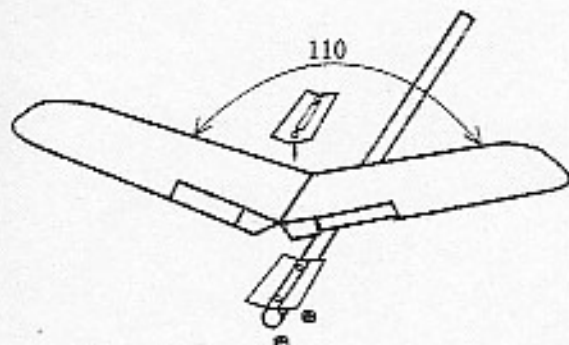


- b. Connect the rudder rod to the rudder connector. Beginners should use the low or normal connection.



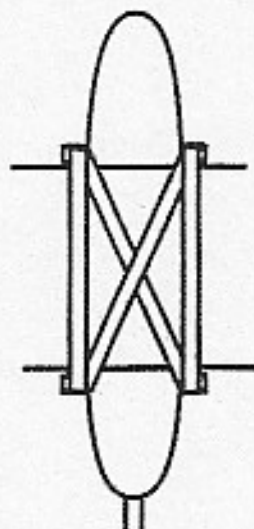
### 2 ASSEMBLY OF THE TAIL WING

- a. Insert the screws through the lower tail mount and then through the stick. The angle should be 110 degrees. Attention: Don't assemble the tail wing with v-shape facing down.



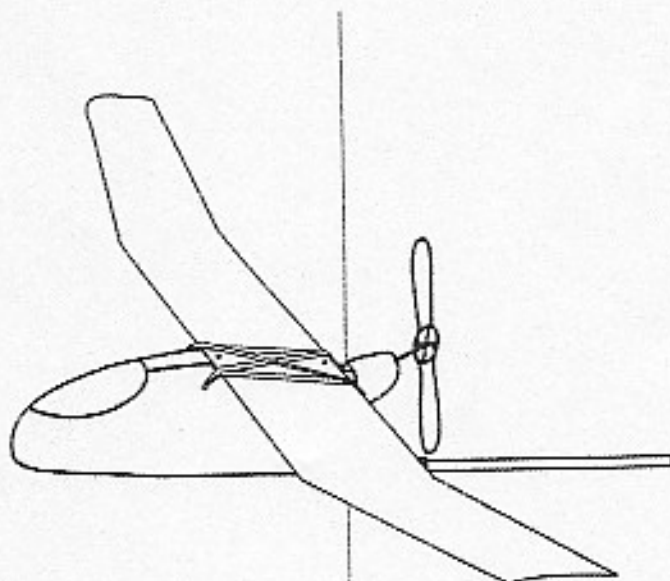
### 3 ASSEMBLY OF THE MAIN WING

- a. Use rubber bands to hold the main wing on. First make an "X" pattern and then a "II" pattern as shown below.



## ASSEMBLY

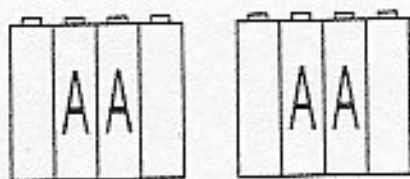
Make sure the wing is centered on the fuselage.



## PRIOR TO FLYING

### 1 POWER FOR TRANSMITTER

- The transmitter requires 8AA alkaline batteries or fully charged Ni-MH batteries.
- Open the cover on the transmitter and insert 8AA batteries.



- Turn the power switch on. If the battery power is low the green light will become dark. Land the plane at once when this occurs.

### 2 RECHARGE

- Plug the battery into the charger.
- Plug the charger into an electrical outlet



- Charge the battery for 6 hours or until the battery becomes warm. Do not over charge the battery.

## PRIOR TO FLYING

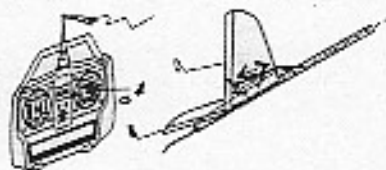
### 3 ADJUST THE CONTROLS

- a. Open the cover and install the NI-MH battery pack into the cabin and plug in the connector. Close the cover when done.



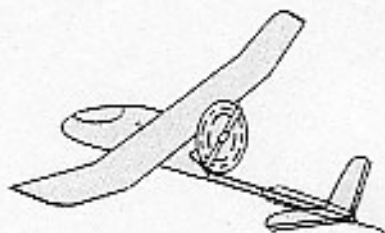
- b. Switch the transmitter on. Check to see that the radio is working by moving the right control stick right. The left tail wing should move up while the right tail wing moves down. If this happens correctly you have set up your tail wing properly.

- c. Move the rudder trim (located under the right control stick) to the center. Then, shorten or lengthen the "U" bend on the tail wing control rod so that both of the control flaps are slightly above the rest of the tail surface. Gently toss your plane to see if it glides level. If it dives, adjust the tail wings higher.



### 4 TEST BEFORE FLYING

- a. Press the start switch on the side of the plane. The propeller might start to spin so keep your hands away from it. Set the left trim (located on the side of the left control stick) up. Slowly move the left stick up, the propeller should start to move. Move the left stick down and it should stop.



## FLYING INSTRUCTION

### 1 FLYING AREA

- a. Choose an open flying area away from buildings, power lines, trees, and water.



- b. Beginners should choose a day with little or no wind. Always fully extend the antenna. Do not fly in heavy winds or rainy weather.



### 2 TAKE OFF

- a. Check the direction and speed of the wind before you begin to fly.



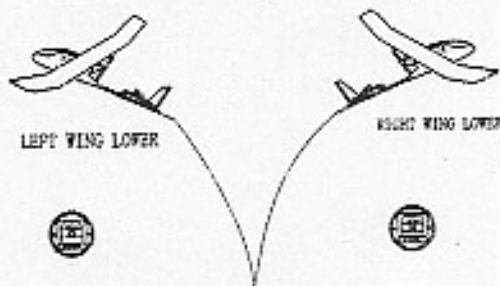
## FLYING INSTRUCTION

- a. You should hand launch your plane into the wind. First, press the start button. Then, move the left control stick up to start the motor to full throttle. Firmly toss the plane upwards into the wind.

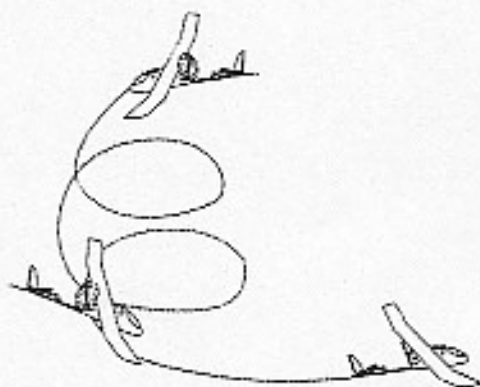


### 3 FLYING

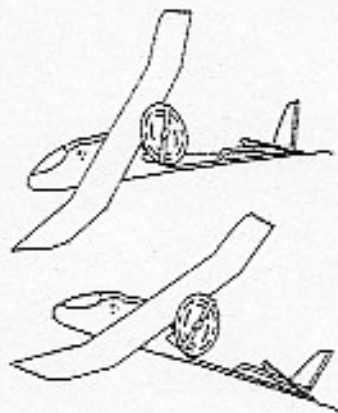
- a. While flying, if the plane drifts right, move the rudder trim (located under the right control stick) to the left to correct the problem. If the plane drifts left move the rudder trim right.
- b. If the plane ever dives or spirals out of control, simply let go of the right control stick and move the left control stick down. Wait till the plane is gliding straight before resuming powered flight.
- c. The right stick is for controlling, turning and leveling the plane. Observe from the tail direction of the plane, move the rudder right if the left main wing is to low. Do the opposite if the right wing is to low.



- d. Don't be alarmed if you mis-operate the plane and make it spin. Release the control sticks and the plane will stop spinning in a few seconds. Resume flying after it has returned to a steady glide.



- e. The left stick is for controlling elevation and speed of the plane. If you release the left stick the motor will stop working and the plane will descend. If you move the left stick up the plane will gain speed and start to climb. When turning, the plane naturally drops and power should be applied after the plane is level again.

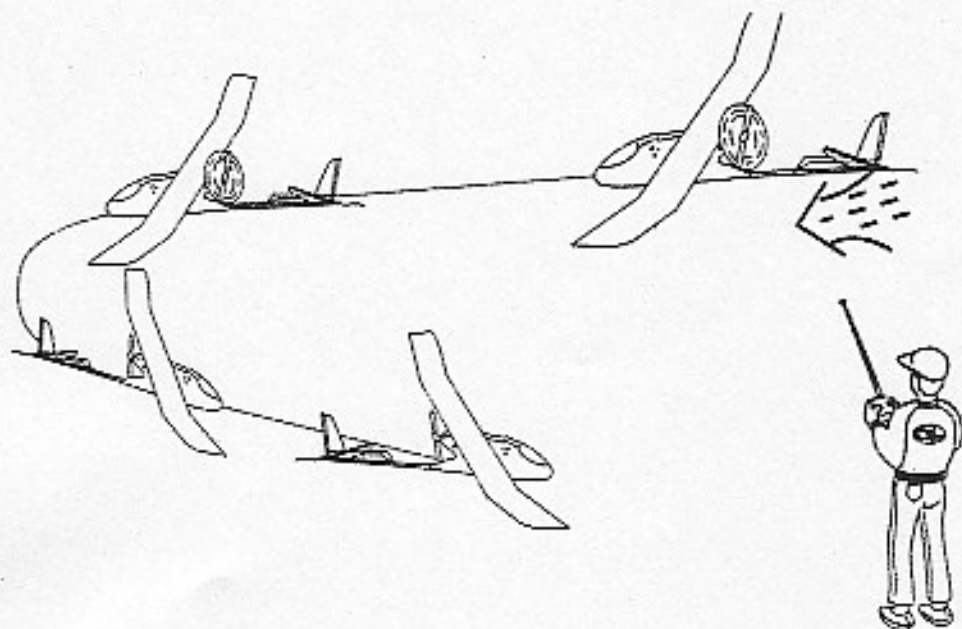


- f. Beginners should fly into the wind at a height of more than 50 feet. Flying too high or too low will make the plane lose control.
- g. Flight time is about 7 minutes. When the power is low on the plane the motor will shut off, however the servos will still work so you can land the plane.

## FLYING INSTRUCTION

### 4 LANDING

When the plane is at an elevation of 40-50 feet, fly it with the direction of the wind. When the plane is about 30 feet above the ground turn it into the wind and lower the throttle to land.



## ⚠ ATTENTION

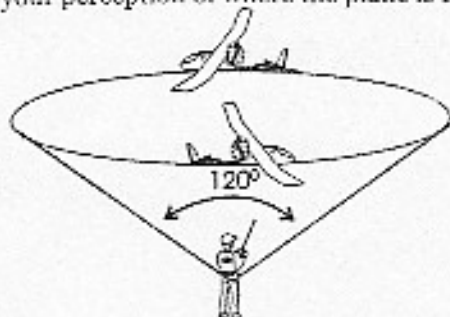
### 1 POWER SYSTEM

- Flying with continuous power the flight time is about 7 minutes. Land the plane as soon as possible when the plane runs out of power.
- Bring several extra batteries with you for a longer flying time.
- Do not use NI-CAD batteries for the transmitter. 8AA alkaline or NI-MH batteries are recommended.
- Check the power light often during the flight. If the green light becomes dark or goes off, land the plane as soon as possible to avoid losing control.

## ATTENTION

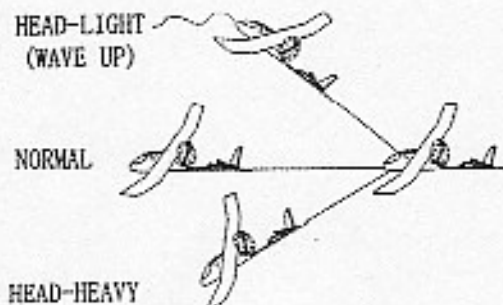
### 2 FLYING CONCEPT

- The airplane should fly in a cone shape no more than 100 feet away from the operator.
- Always fly the plane in front of yourself. Never let it fly directly overhead as it is easy to lose your perception of where the plane is flying.



### 3 ELEVATION ANGLE AND WIND VELOCITY

- If the airplane pitches up, it shows the head is light. Adjust the angle between the left and right tail wings to balance the plane. The method is that you gently tighten the back screw and loosen the front screw under the tail wing. At this time, the elevation angle will become smaller and the velocity of the plane will increase.
- On the other hand, if the elevation angle is small and the velocity is fast after take off, it shows the head is heavy. Do the opposite in this condition.

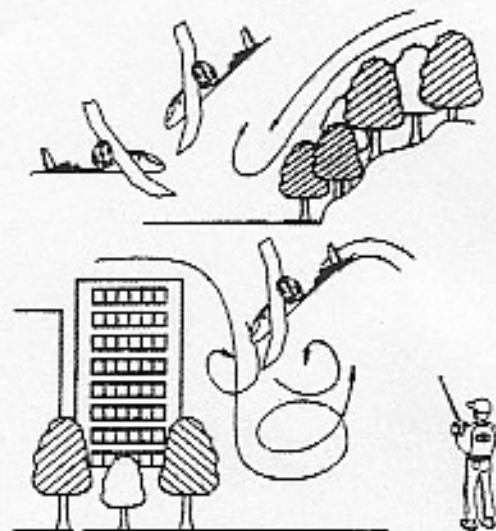


### 4 AVOID THE SAME FREQUENCY INTERFERENCE

- You should always check to see if other planes in the area are on the same frequency, as this will cause transmitter interference between the planes.

### 5 SPECIAL AIR CURRENT

- Always stay away from trees, tall buildings and elevated land.



Spare, repair, and replacement parts are readily available for your aircraft. See your local hobby dealer first. If unavailable, you can order directly from Megatech. Use this sheet as an order form, and include a check or money order for the order amount. Mail your order to:

**Megatech Parts Department**  
**8300 Tonnelle Ave.**  
**North Bergen, NJ 07047**

| Part Number  | Sky Vector Spare Parts List                    | Price    | Quantity | Ext. |
|--------------|------------------------------------------------|----------|----------|------|
| MTCSV-007-CH | 2- Channel Transmitter 27mhz (specify channel) | \$ 39.99 |          |      |
| MTCSV-012    | Propeller (2 pcs)                              | \$ 1.99  |          |      |
| MTCSV-013    | 110v Wall Charger                              | \$ 14.99 |          |      |
| MTCSV-014    | 5 Cell 6v 600MA Ni-Mh Battery Pack             | \$ 29.99 |          |      |
| MTCSV-015    | DC Quick Charger                               | \$ 24.99 |          |      |
| MTCSV-017    | 8.4v 10amp Speed Control                       | \$ 26.99 |          |      |
| MTCSV-018    | 2 Channel Receiver                             | \$ 33.99 |          |      |
| MTCSV-019    | Micro Servo                                    | \$ 21.99 |          |      |
| MTCSV-020    | Motor                                          | \$ 14.99 |          |      |
| MTCSV-024    | Rubber Bands                                   | \$ 1.99  |          |      |
| MTCSV-034    | Fuselage                                       | \$ 21.99 |          |      |
| MTCSV-065    | Main Wing                                      | \$ 14.99 |          |      |
| MTCSV-066    | V-Tail Assembly                                | \$ 10.99 |          |      |
|              | <i>Subtotal of parts</i>                       |          |          |      |
|              | <i>Shipping and Handling</i>                   | \$7.99   |          |      |
|              | <i>Total order amount</i>                      |          |          |      |

Telephone: (201) 662-2800  
 Fax: (201) 662-1450  
 E-mail: [info@ahcmegatech.com](mailto:info@ahcmegatech.com)