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Ages 8 +

# DRAGONFLY<sup>2</sup> INSTRUCTIONS

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## **Congratulations!**

You are now the proud owner of  
one of the most exciting  
Radio Controlled Stunt vehicles ever made!

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**BEFORE YOU START:  
TAKE A FEW MINUTES TO READ  
THESE INSTRUCTIONS CAREFULLY,  
SO YOU CAN GET THE BEST  
POSSIBLE PERFORMANCE FROM  
YOUR DRAGONFLY V2.**

### **BATTERY REQUIREMENTS:**

Your Dragonfly V2 requires a 6V NiCd or NiMH battery and 9V battery, sold separately.

**NOTE:** *The 6V rechargeable battery should be fully charged before it is used. Follow charging instructions included with the battery.*



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**CAUTION-ELECTRIC TOY:** IMMERSING THIS TOY CAN CAUSE AN ELECTRIC SHOCK. NOT RECOMMENDED FOR CHILDREN UNDER EIGHT YEARS OF AGE. AS WITH ALL ELECTRIC PRODUCTS, PRECAUTIONS SHOULD BE OBSERVED DURING HANDLING AND USED TO PREVENT ELECTRIC SHOCK.

Not recommended for children under 8 years of age. Read instructions before operating. Avoid hitting people, pets or home furnishings. Never operate in the street. Keep hair, hands and clothing away from vehicle when power switch is turned ON. DO NOT pick up moving vehicle. Remove battery pack and transmitter battery when vehicle is to be stored for an extended period. Do not store in direct sunlight. **AVOID TIRE CONTACT ON PAINTED OR VARNISHED SURFACES.**

**INSTALLING THE NICd BATTERY:**  
(Not Included)

Ask an adult to unscrew the battery cover on the back of the Dragonfly V2.

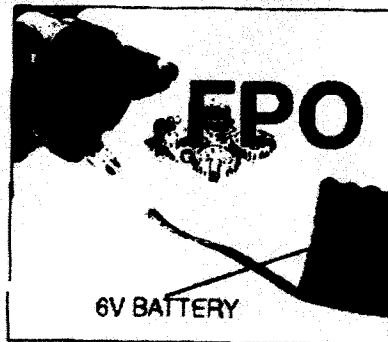
▲ Loosen the screw holding the battery box cover (picture #1).

▲ Remove the battery compartment cover by twisting counterclockwise.

▲ Insert the battery into the battery compartment as shown in picture #2.



PICTURE #1



PICTURE #2

**Do Not Return to Store!**

**We're always here to Help!**

We know you are going to enjoy operating your Dragonfly V2. If you have any questions or comments, our Customer Service Representatives will be glad to help you.

**Call:**

**1-800-222-9060**

between 9:00am and 5:00pm EST. Monday through Friday,

**Write:**

TOYMAX INC. 125 East Bethpage Road, Plainview, N.Y. 11803

Visit us on the internet at:

**WWW.TOYMAX.COM**

Please include the following information:

Name of Product, Item Number, Sales Receipt, Date of Purchase.

**PURCHASING REPLACEMENT PARTS:**

IF THE WHEELS SHOULD WEAR OUT, YOU CAN PURCHASE REPLACEMENTS BY FILLING OUT THE ORDER FORM BELOW:

| QUANTITY | DESCRIPTION                        | ITEM NUMBER | UNIT PRICE | TOTAL |
|----------|------------------------------------|-------------|------------|-------|
|          | REAR WHEEL SET (4)                 |             | \$ 5.00    |       |
|          | TRANSMITTER 27 MHz                 |             | \$ 8.00    |       |
|          | TRANSMITTER 49 MHz                 |             | \$ 8.00    |       |
|          | BATTERY COVER ASSEMBLY WITH WHEELS |             | \$ 2.00    |       |
|          | 2 FRONT WHEELS                     |             | \$ 4.00    |       |

|  |                       |         |
|--|-----------------------|---------|
| STATES THAT TAX PRODUCTS C- NY, OH, WA | SUBTOTAL              |         |
|  | STATE/LOCAL SALES TAX |         |
|  | SHIPPING & HANDLING   | \$ 5.00 |
|  | TOTAL                 |         |

NAME: \_\_\_\_\_ (please print clearly)

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

TELEPHONE NO.: ( ) \_\_\_\_\_ (Required)

MAIL COMPLETED FORM WITH CHECK OR MONEY ORDER PAYMENT TO:  
**TOYMAX INC.**  
125 EAST BETHPAGE ROAD PLAINVIEW, NY 11803



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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; and (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.*

**TROUBLE SHOOTING**

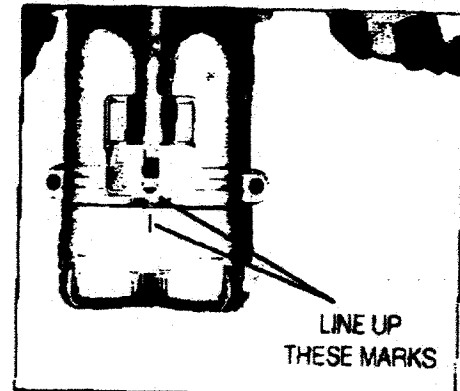
| Problem   | Libely Cause                          | Solution  |
|---|---------------------------------------|---|
| Vehicle will not run or seems sluggish                            | Vehicle switch not "ON"               | Move switch to the "ON" position  |
|   | Vehicle battery weak                  | Charge or replace battery   |
|   | Weak transmitter (controller) battery | Replace with fresh alkaline battery   |
| Battery life seems short  | Battery not fully charged             | For maximum running time, make sure you recharge the battery pack a full 4 hours. |
| Vehicle doesn't work after getting wet from water or snow         | Water in the electronics bay          | Thoroughly dry vehicle before attempting to use again                             |
| Erratic or only short range operation                             | Radio interference                    | Change location of operation  |
|   | 2 vehicles on the same frequency      | Operate only 1 vehicle per frequency  |
|   | Weak transmitter battery              | Change 9V Alkaline battery  |
| "Clicking" noise in X-Tech wing full "UP" or full "DOWN" position | Clutch motor protection               | Normal operation; stop pressing "UP" or "DOWN" buttons when "clicking" is heard   |
| Drive wheels slip excessively; Poor acceleration                  | Excessive wheel wear                  | Order genuine replacement wheels  |

**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 equipment 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 to 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 into an outlet on a circuit different from that to which the receiver is needed.
- ▲ Consult the dealer or an experienced radio/TV technician for help.

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- ▲ Reinstall the battery compartment door by lining up the triangle and the line (see picture #4) and turning door clockwise. Secure with the screw.



PICTURE #4

**INSTALL THE 9V BATTERY IN CONTROLLER:**

A standard 9V alkaline battery (not included) provides power to the controller.



PICTURE #5

- ▲ Remove the battery box door by sliding it back and lifting. As shown in picture #5.
- ▲ Carefully following the diagram in the compartment, insert the battery.
- ▲ Be sure the "+" on the battery is in the correct position.

**DRAGONFLY V2 can be used indoors or outdoors.**

**Indoors:** DRAGONFLY V2 will work on most surfaces including flat floors, tile, and low pile carpet.

**Outdoors:** DRAGONFLY V2 can be used outdoors on clean, hard, dry surfaces.

**NEVER RUN DRAGONFLY V2 THROUGH WATER, SAND or DIRT. DAMAGE TO MOTORS AND GEARS WILL RESULT AND YOUR WARRANTY WILL BE VOID!**

### TO OPERATE YOUR DRAGONFLY V2:

▲ Turn the CONTROLLER power switch to the "ON" position.

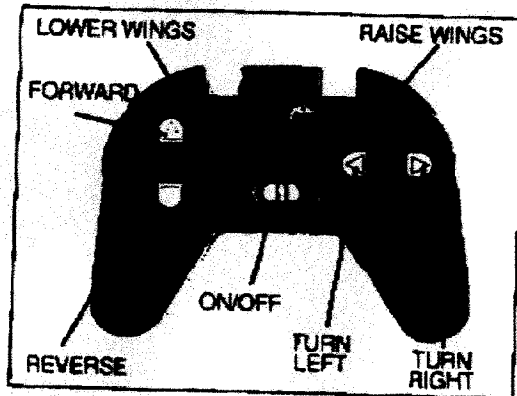
▲ Turn the DRAGONFLY V2 power switch to the "ON" position.

**NOTE:** ALWAYS TURN THE CONTROLLER ON FIRST.

### The Controller:

The controller has 6 buttons:  
Two at the front of the controller command the movement of the X-Tech Wings up or down.

The left raises the wings and the right lowers the wings. It's best to use your index fingers on these buttons. (Picture #6)



PICTURE #6

▲ The two buttons on the left command Dragonfly V2 to go forward or backward.

▲ The two buttons on the right command Dragonfly V2 to go left or right.

**NOTE:** The gear train used to raise and lower the X-Tech Wings features a clutch to protect the motor. The sharp "clicking" sounds you hear whenever the X-Tech Wings are at the top or bottom of their travel are completely normal, and mean the clutch is doing what it was designed to do.

## DRAGONFLY V2 STUNTS

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Dragonfly V2 has been designed to perform eye-popping stunts while operating on the very edge of "out of control"! The power adjustable X-Tech Wing is the secret to Dragonfly V2's amazing stunt capabilities. Raise the Wings to go through narrow openings, lower to go under obstacles. With a little practice, you can amaze your friends with the wild maneuvers you can command this amazing FVC acrobat to perform!

Adjusting the X-Tech Wings high or low changes Dragonfly V2's balance. How the Wings are set determines the stunts you can do.

Remember, we've purposely designed Dragonfly V2 to be very responsive to the slightest inputs from the controller or the surface it's running on in order to maintain the highest possible stunt capabilities. Because of this, straight runs need frequent controller inputs. [Hint: Red wings & body in the "UP" position for best straight runs.] A little practice will make you an expert stunt driver!

### HOW TO PERFORM STUNTS

**WHEELIES:** With the X-Tech Wings in the maximum "down" position, press the "forward" button; with some practice you'll soon be "popping wheelies"!

**FLIP OVERS:** With the X-Tech Wings in the maximum "up" position, press the "reverse" button. When the DRAGONFLY V2 has reached maximum speed, quickly press the "forward" button. This will usually cause DRAGONFLY V2 to flip over. Fine-tune your timing and you can even make DRAGONFLY V2 stand on his tail!

**WILD TAIL WALKS:** Get DRAGONFLY V2 on his tail as described above and press the "left" or "right" buttons to command DRAGONFLY V2 to spin on his tail. Adjust the X-Tech Wings while spinning and Wild Stunts can result!

**SPIN OUTS:** With the X-Tech Wings in the "down" position, press the "forward" button; as maximum speed is reached, press the "left" or "right" buttons to create a spin.

**360-DEGREE SPINS:** With X-Wings in any position, press the "left" and "forward" buttons at the same time.