

## ASSEMBLY MANUAL **BLASTER 3**



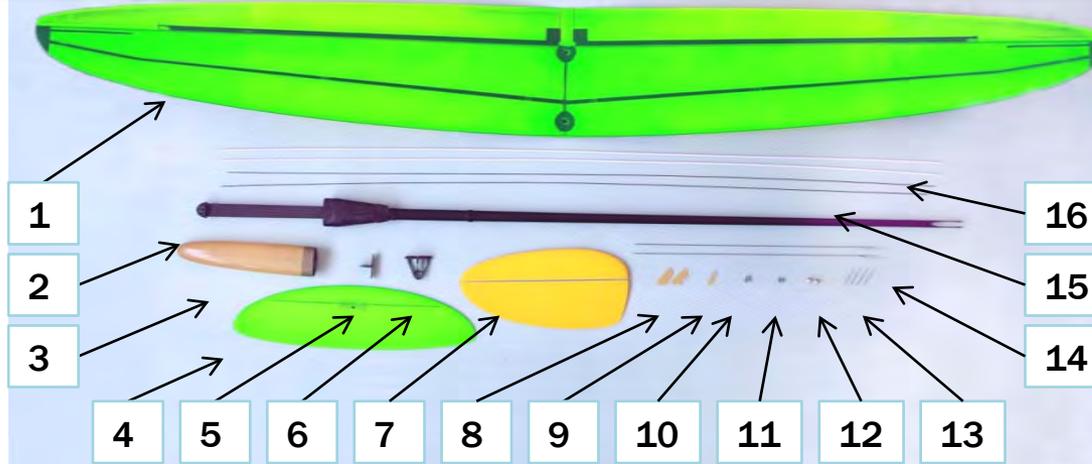
# Contents

1. Bill Of Materials .....	3
2. 7 Assembly steps	
1) Glue ailerons & rudder control horns .....	4
2) Install radio gear .....	5
3) Install aileron pushrods .....	6
4) Install horizontal & vertical stabilizers .....	7
5) Install elevator & rudder pushrods .....	8
6) Glue the launching peg.....	9
7) Set up the plane .....	10
3. Fly it! ☺	

# Parts and Materials List

## The Blaster 3 kit includes the following parts:

- 1) Wing
- 2) Fuselage
- 3) Nose cone
- 4) Horizontal stabilizer
- 5) Launching peg
- 6) V-mount
- 7) Vertical stabilizer
- 8) Aileron control horns



- 9) Rudder control horn
- 10) Front wing mounting screw M3x8 (2 pieces, 1 spare)
- 11) Rear wing mounting screw M3x6 (2 pieces, 1 spare)
- 12) Horiz. Stabilizer washer (2 pieces, 1 spare)
- 13) Clevises
- 14) Aileron pushrods
- 15) Rudder & elevator pushrods
- 16) Pushrod sleeves (2 pieces)

## Radio equipment needed to fly Blaster 3:

- 1) Shread - RC 650 mAh (Li-Po battery)
- 2) Micro receiver (Spectrum AR6250, AR6255)
- 3) 9 or 11mm thick servos 6...9 g

Hyperion  
DS09-AMD



Futaba  
S3156MG



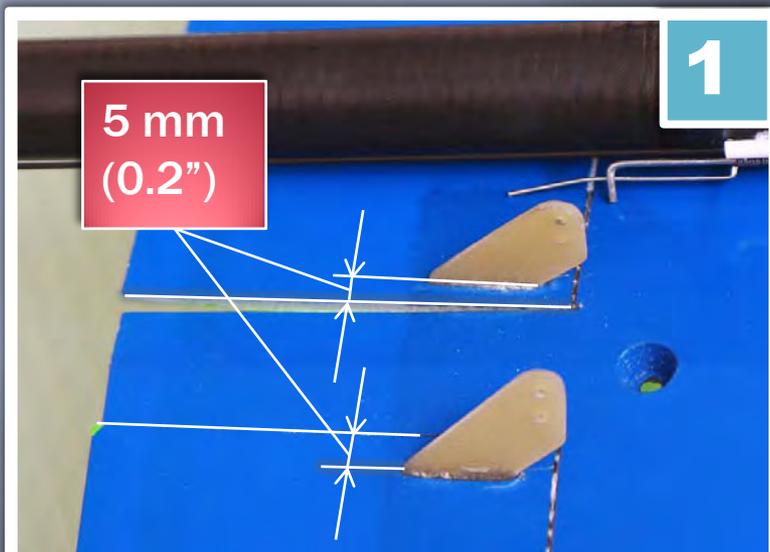
## List of materials needed to assemble the Blaster 3

- 1) Thin and Medium CA, CA kicker
- 2) Hobby knife
- 3) Masking tape

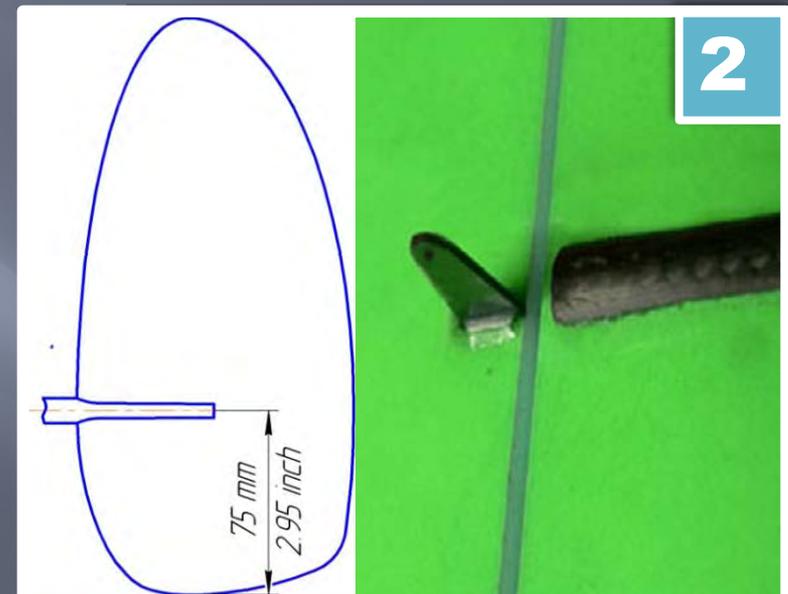


- 4) Pen and ruler
- 5) 240...320 grit sandpaper
- 3) Pliers

# Glue ailerons & rudder control horns

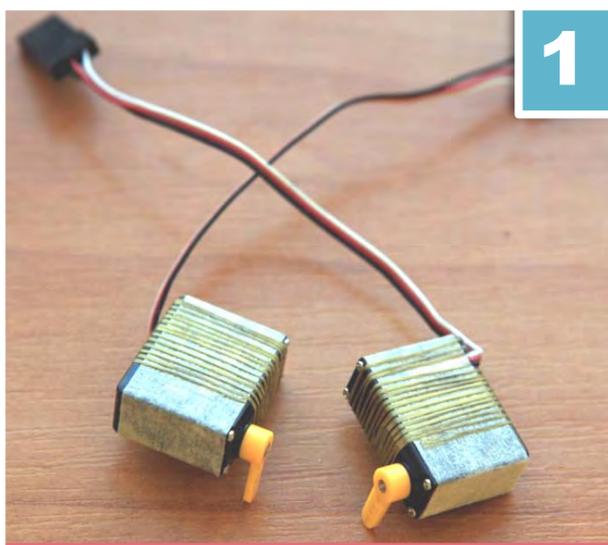


Using a hobby knife or Dremel wheel, cut control horn slots in ailerons and rudder, positioned as shown here.



Glue control horns with thin CA.  
**Position the rudder horn as shown here.**

# Install radio gear



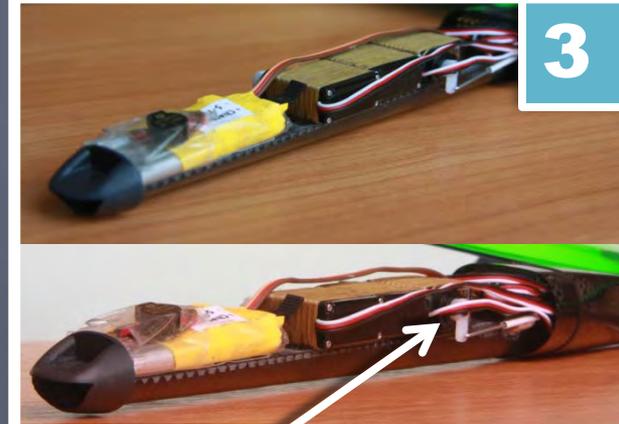
1

Cut the lugs off your servos, Hyperion DS09-AMD/DS11-AMD or Futaba S3156MG, and cover them with masking tape. Optionally, wind thin but strong thread (e.g., Kevlar) around them.



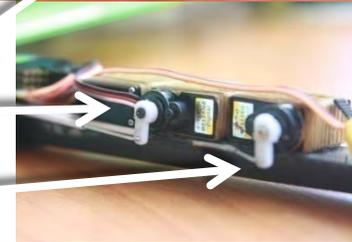
2

If you opt for a non-movable rudder, place servos as shown in this picture. If you would like to control the rudder too, place the rudder servo behind the battery and mount everything temporarily with tape. **Make sure that nose cone clears the servo arms!!!**



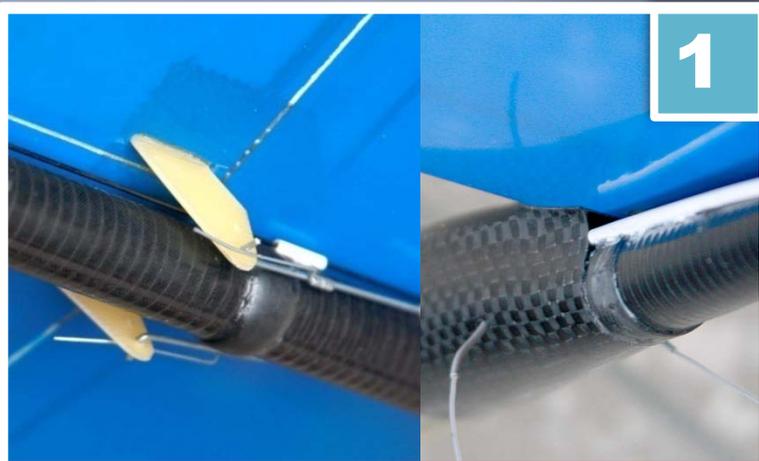
3

Left aileron pushrod \_\_\_\_\_  
Right aileron pushrod \_\_\_\_\_  
Elevator pushrod \_\_\_\_\_

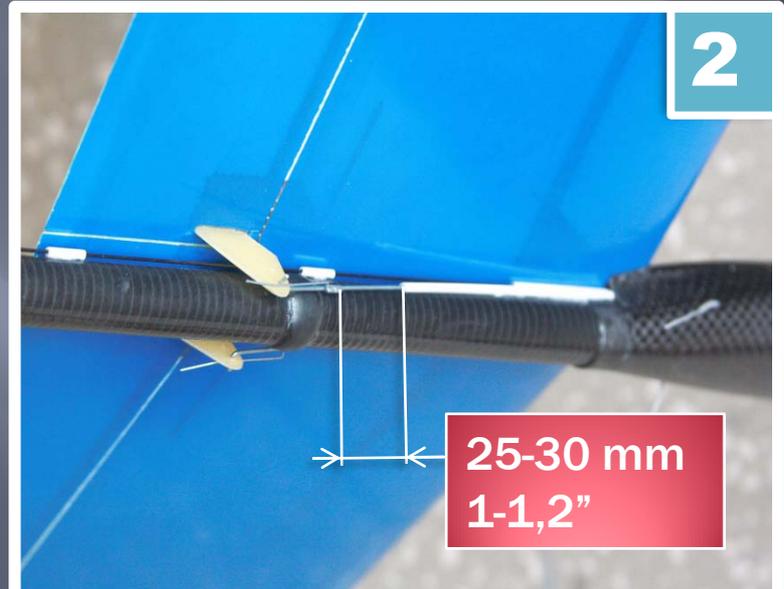


Glue servos with CA, but leave the battery mounted with tape.

# Install aileron pushrods

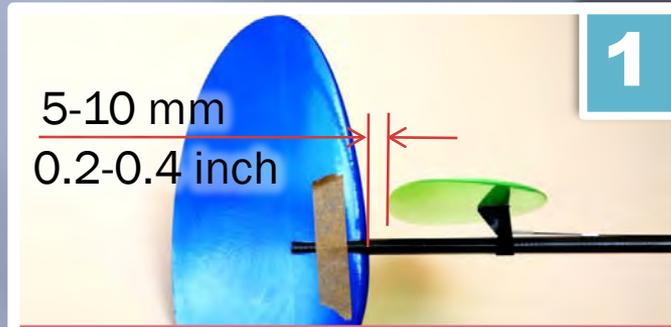


Mount the wing with front M3x8 and rear M3x6 screws. Insert aileron pushrods into their sleeves, then slide them into the wing pylon. Hook the aileron pushrods into the control horns.



Glue the pushrod sleeves to the pylon wherever possible.

# Install horizontal & vertical stabilizers



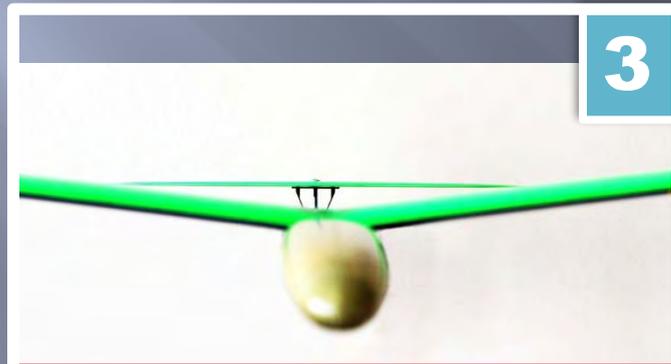
1

Tape the vertical stabilizer in place, then install the horizontal stabilizer on the V-mount and slide them into position.



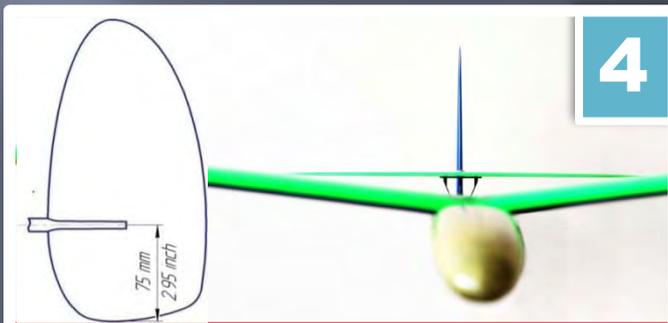
2

Mark the position of V-mount onto the tail boom. To eliminate the gap, remove the V-mount and wind thin thread around the boom.



3

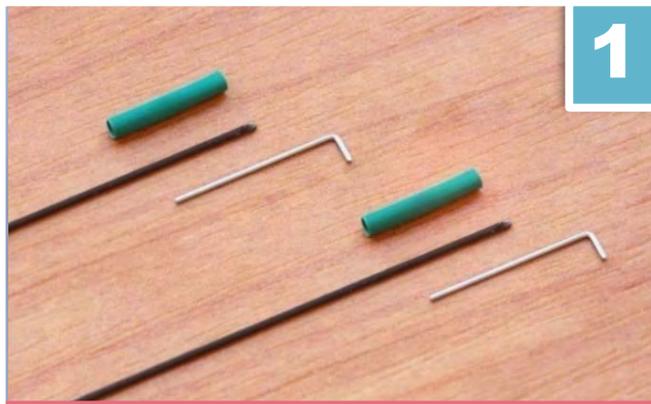
Put the stabilizer/V-mount back on the tail boom and align it with the wing. Glue the V-mount with thin CA.



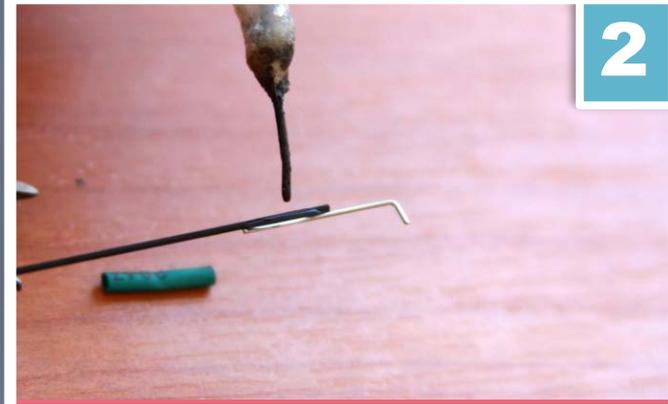
4

Install the vertical stabilizer as shown, ensure that it is perpendicular to the horizontal stabilizer, and carefully glue it with thin CA.

# Install elevator & rudder pushrods



Gather 2 pushrods with clevises and heat shrink tubes.



Glue clevises to one side of the pushrods with thin CA.

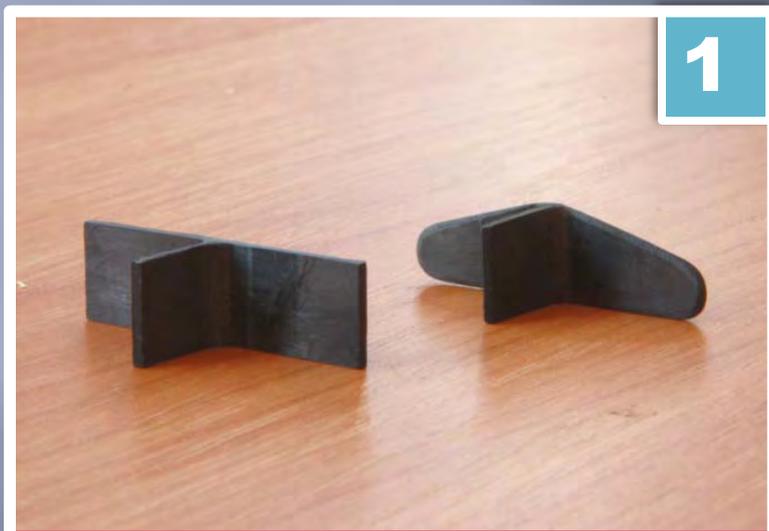


Slide heat shrink tube over the joint and drop CA inside the tube.



Glue sleeve pieces along the boom at 40...50mm (1.5...2") distance.

# Glue the launching peg



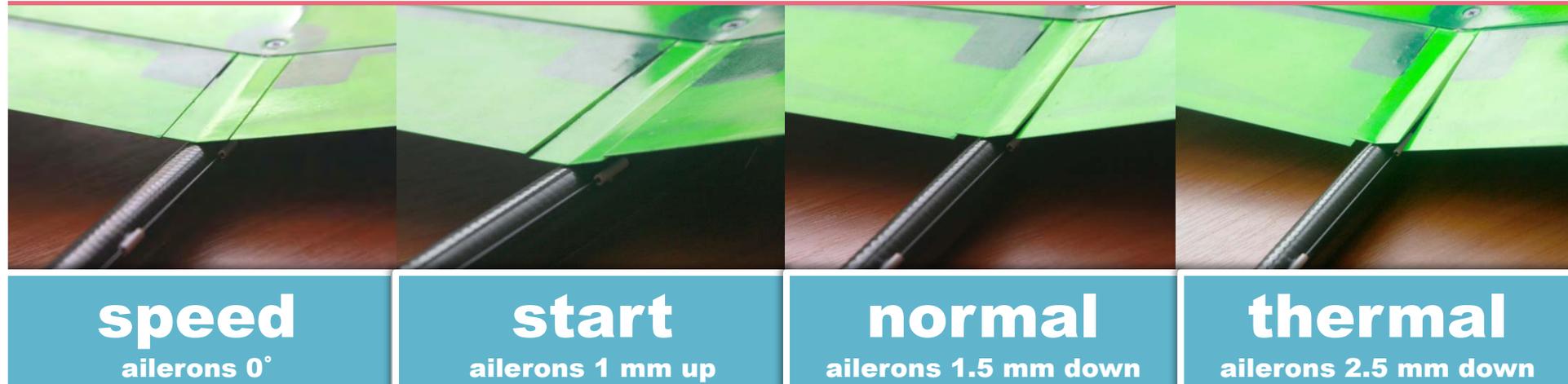
Sand the throwing peg as you find fit.



Install the peg on the wing tip and glue it with thin CA.

# Set up the plane

We recommend programming your transmitter for 4 flight modes

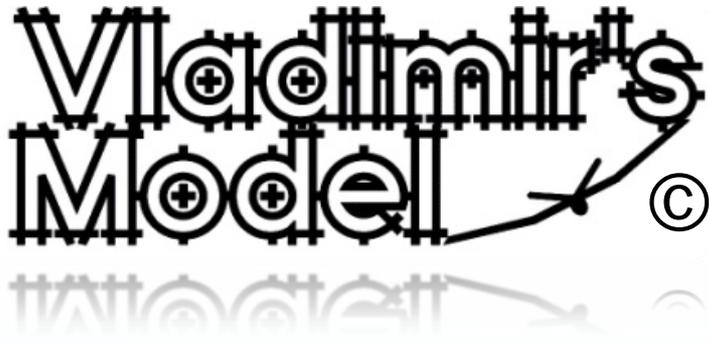


Make sure the C.G. is located at 80 mm (85...90 mm for experts) from the leading edge at the wing root.

Keep your TX and RX batteries charged!!!  
In order not to damage the wing, launch the glider after a full revolution!!!

You can find additional information about different flight modes at the following [link](#) on [Blaster 3](#) page.

Please contact us, if you have trouble assembling Blaster 3 or if you have any questions:



<http://f3j.in.ua>

<http://airplane-model.com>

e-mail: [info@airplane-model.com](mailto:info@airplane-model.com)

