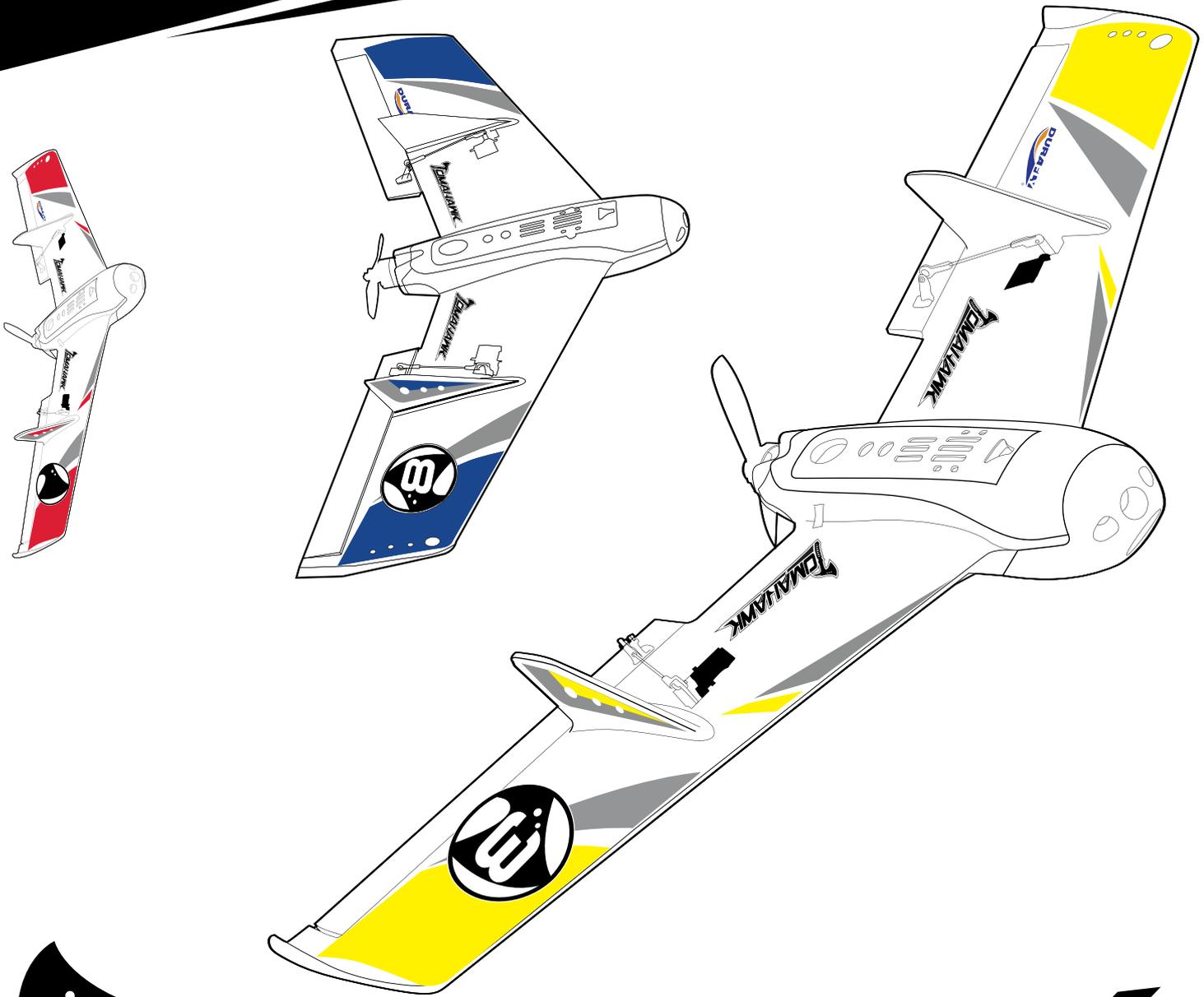


DURAFLY[®]

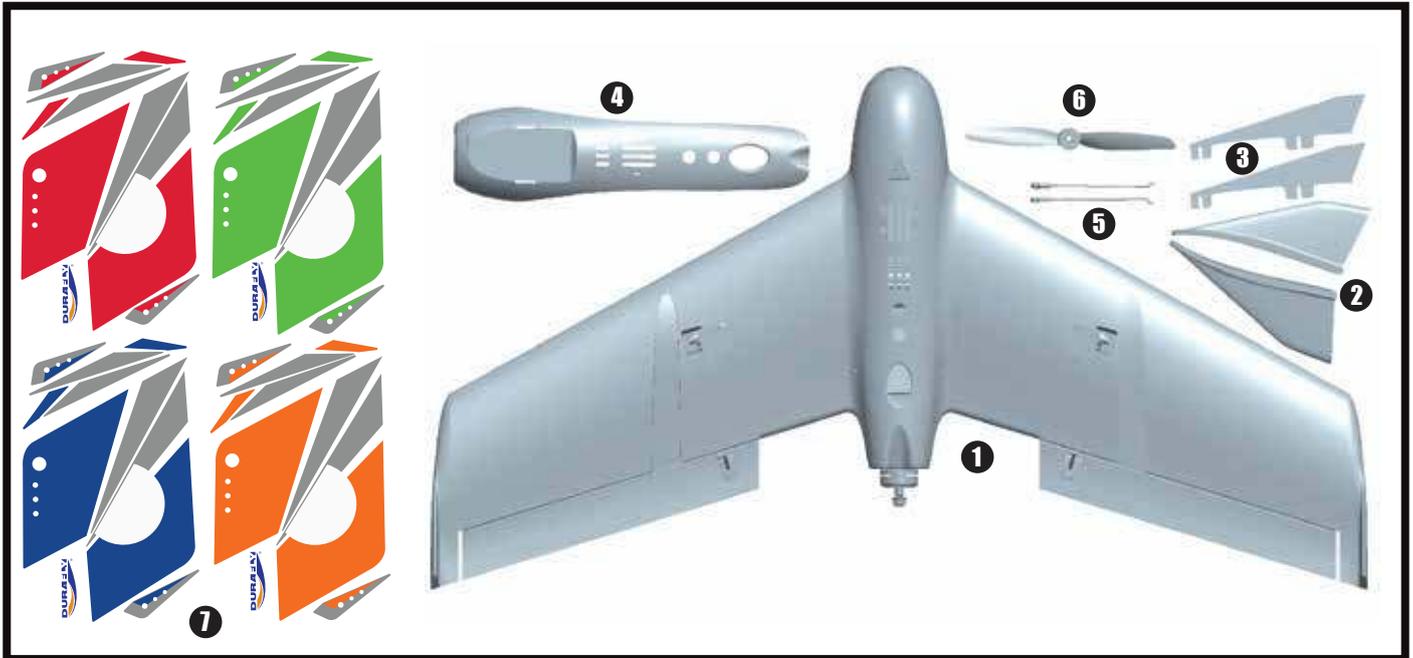


TOMAHAWK

INSTRUCTION MANUAL

"FPV flying is the new way of looking at the world. The Durafly Tomahawk is the best way to get into mini racing FPV flying wings. This wing is only 670mm so it can be easily fitted in your car for an after work flight. The wing is designed for stable flying and also allows for all the extreme maneuvers needed when racing."

CONTENT :



1. Main wing with preinstalled motor, ESC and servos
2. Upper vertical fins
3. Lower composite vertical fins
4. Optional Action camera battery hatch
5. Ball link control arms
6. Propeller
7. Sticker kit

Specifications :

- Wingspan-670mm
- Length - 360mm
- ESC-20A
- Motor-Multistar 2206 2150kv Brushless outrunner
- Propeller-5045BN CCW
- Servos- 2 x 9g
- Weight - 220g

REQUIRED TO COMPLETE MODEL :

The Durafly Tomahawk "Plug and Fly" model will still require a few components to complete this model and have it ready for flight.

Durafly recommends the following products available at www.hobbyking.com



Transmitter-

OrangeRX TX6i
Full Range 2.4GHz DSM2/DSMX
compatible 6ch Radio System
9171001328-0 (mode 2)
9171001327-0 (mode 1)



Receiver-

OrangeRX R620X V2 6ch 2.4Ghz
DSM2/DSMX Comp Full Range Rx
w/Sat, Div Ant, F/Save & SBUS
9171000901-0



Battery-

Turnigy Grapene 1000mAh 4S 65C
Lipo Pack w/XT60
9067000124-0



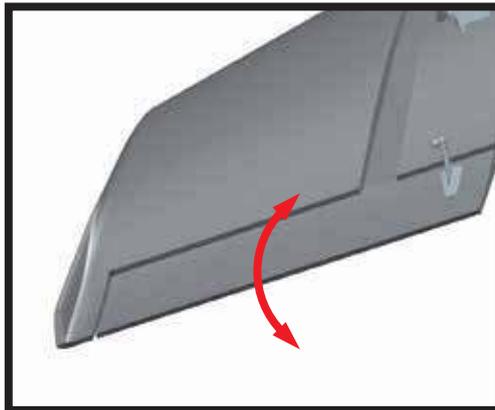
Battery-

Turnigy 1300mAh 4S 45C Lipo Pack
9067000177-0

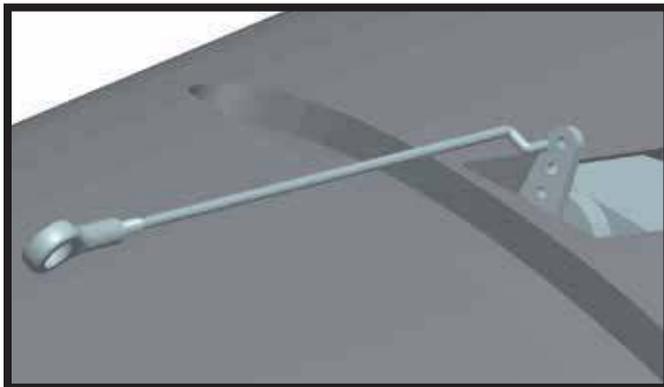
NOTE: Your Duraflly Tomhawk has 4 different coloured stickers to individualise your own model, please apply the stickers before you assemble the model.

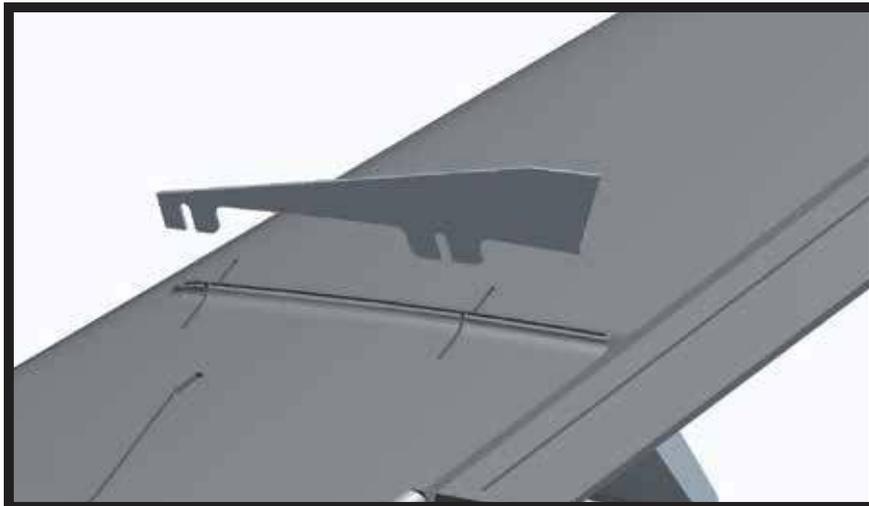
ASSEMBLY :

1. Out of the box your Tomhawk comes with reinforced foam hinges. However before assembly can begin, each hinge line must be flexed back and forth 5-6 times to reduce tension and load on the servo. Do this for all control surfaces before continuing.

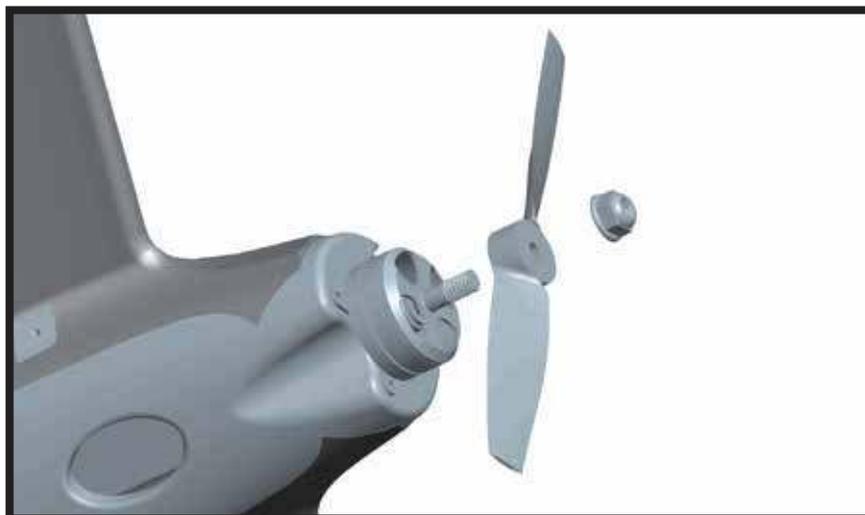


2. With the elevon control horns at 90 degrees to the wing surface or neutral insert the Elevon into the top hole of the control horn z-bend then using ball link pliers to connect the control horns. Use CA or contact adhesive to attach the upper vertical fin.





3. Attach the bottom vertical fin with CA foamsafe glue.

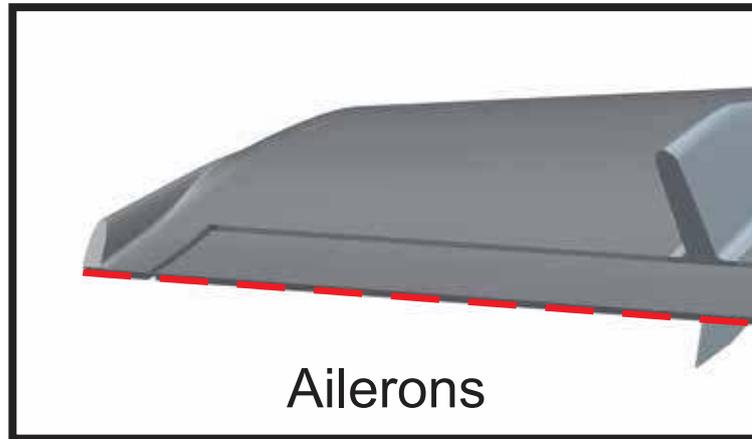


NOTE: It is recommended that you balance the prop and spinner before installing for optimum performance and efficiency.

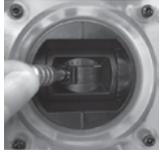
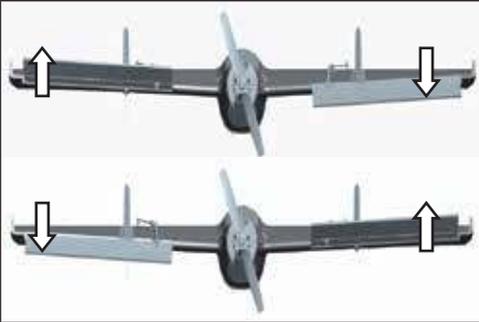
SETTING UP YOUR MODEL:

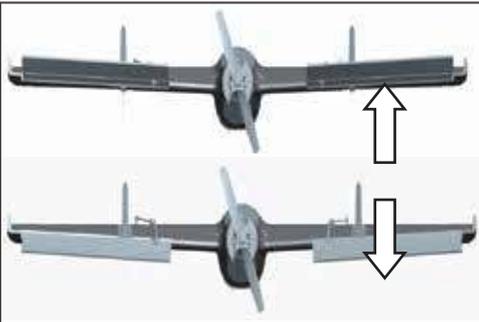
1. Before you install your propeller and with your receiver installed and all servos plugged into their corresponding channels, connect the flight battery to the ESC to power up the electronics. With the model now armed, ensure all servos are centered and all control surfaces are level. If not, adjust by turning the control clevis's by hand accordingly until the control surfaces are level as shown.

NOTE: For safety reasons, it is advised that this is done with the prop removed from the model.



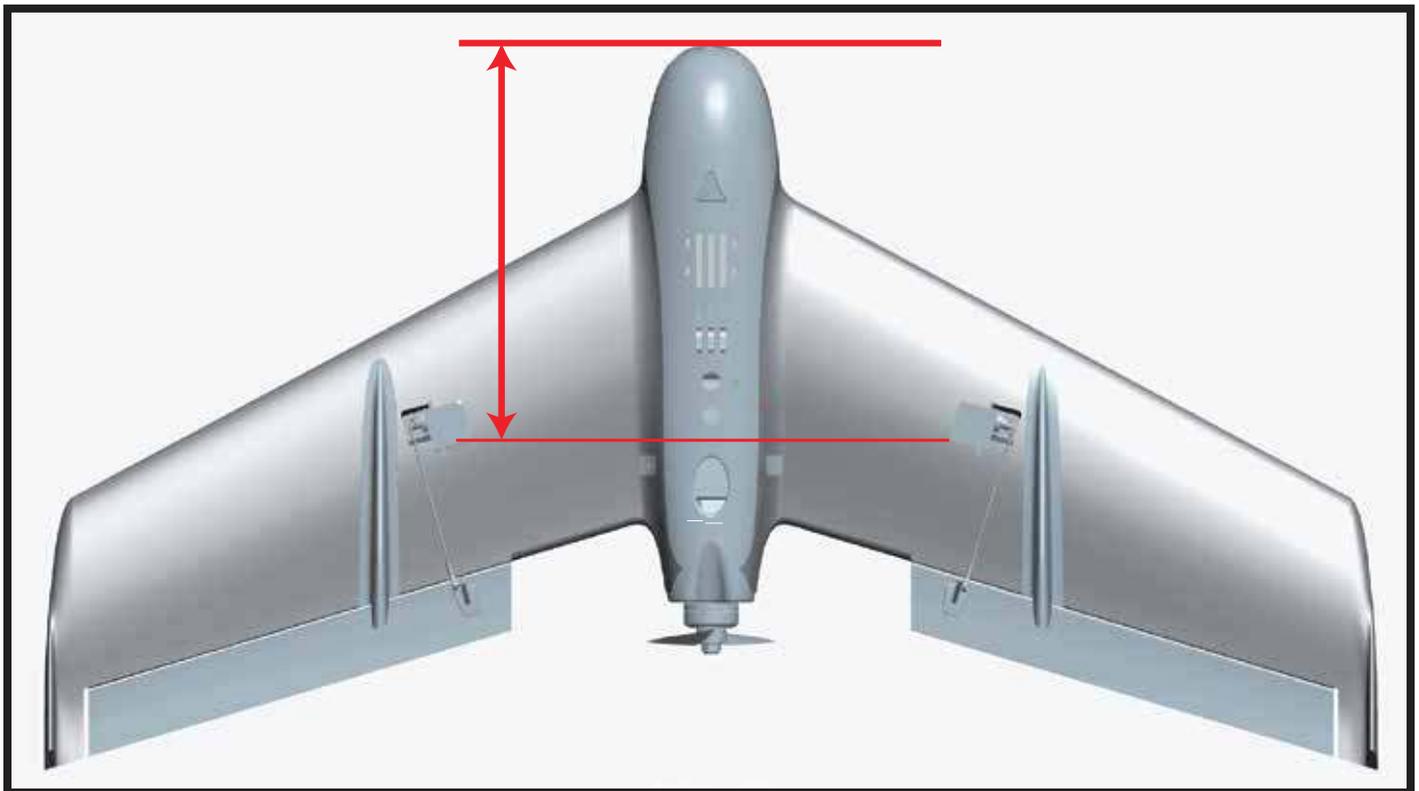
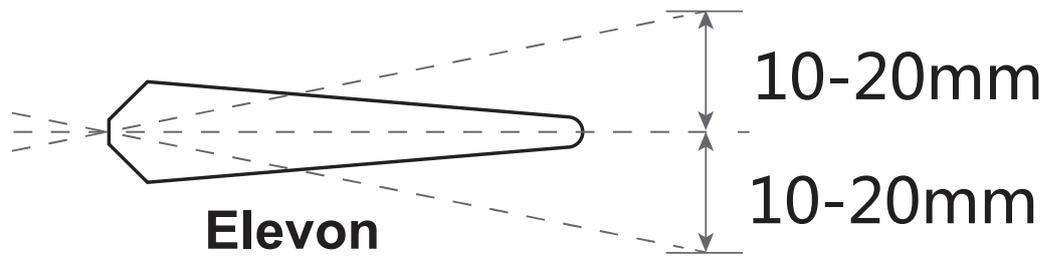
2. Check all control surfaces are moving in the correct direction with the applicable stick input (see below)

	Roll left		Aileron (Roll)
	Roll right		

	Pitch up		Elevator (Pitch)
	Pitch down		

3. The Tomahawk handles very well in flight and that's not down to good design alone, but a good pre-flight set-up too. Before you fly you Tomahawk please follow the recommended settings below for optimum handling and performance.

Control throws:



CoG or centre of gravity is 175-180mm from the nose of the Durafly Tomahawk



Made in China

