

INTRODUCTION

When it was released, the Hobbyking Walrus became an instant classic, a firm favorite among club and park fliers alike the only down side being that when the sun set, the fun was over for the day. However with the new Night Walrus the fun can continue long after the sun goes down!

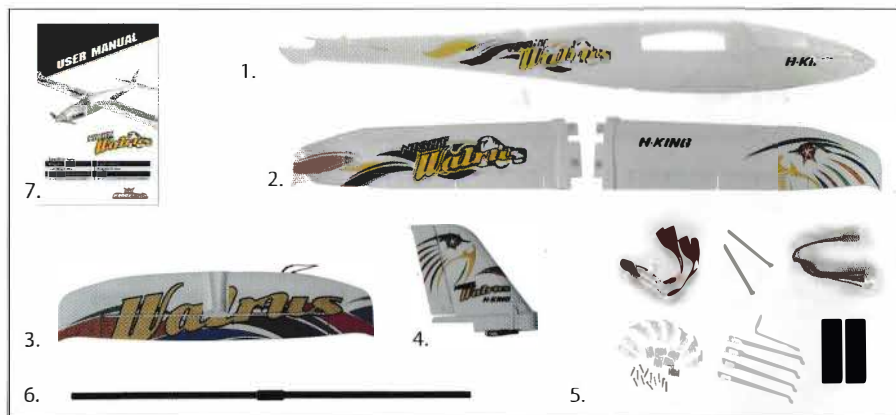
The Night Walrus is the perfect marriage of a solid model design with dazzling LED system. The Night Walrus is just as easy to assemble, flies amazingly well, just like the original yet the pre-installed LED system running throughout the model really adds a new element to this classic. Its not only the LED's that are new, the air frame itself has been strengthened and components upgraded. The fuselage now sports a reinforcing plastic belly pan strengthening the fuselage and giving extra model protection even in those hardest of night landings. The motor and ESC have been updated and additional cooling has been added to the design and the new 'Night Walrus' scheme is vibrant even without the LED's on.

The pre-installed LED system is powered by simply connecting the LED power lead to an additional connection from the ESC, giving you full 12volts supply from the lipo/esc for the brightest LED's around. So during the day you can leave the LED system unplugged or not, the choice is yours.

Flight times on the recommended 2200mah 3S are still in excess of 7mins, regardless.

We are confident that the Night Walrus will quickly find a place in your heart and always be the 'go to' model for pure fun, day or night. Please make sure to follow this manual when assembling your Night Walrus and thank you for purchasing.

CONTENT



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| 1. Fuselage and canopy | 2. Main Wings | 3. Horizontal Stabilizer |
| 4. Vertical Stabilizer | 5. Accessories and fixings | 6. Wing spar |
| 7. Manual | | |

RECOMMENDED ACCESSORIES



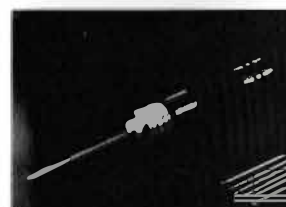
Orange Transmitter, T-SIX DSM2
SKU: 9403000064 (mode 2)
9403000063 (mode 1)



Orange Rx, R620X DSM2/DSMX
SKU: 9171000901-0



Zippy Compact 2200mah
3S 25C
SKU: ZC.2200.3S.25



Turnigy 6 in 1 Multi Tool
SKU: 1550000004



Universal 8-Tool Multi-Tool
SKU: MTP-PLIER

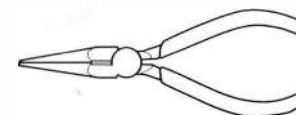


Clear Foam Glue - Large 100ml
SKU: Mucilage-L

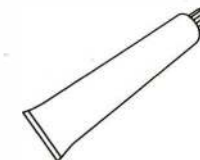
TOOLS REQUIRED



Screwdriver set
(see above)



Needle Nose Pliers
(see above)



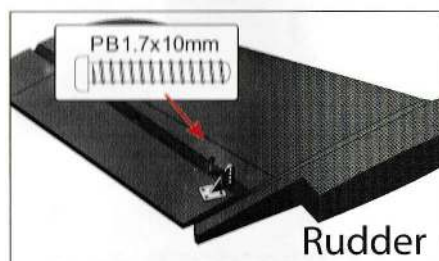
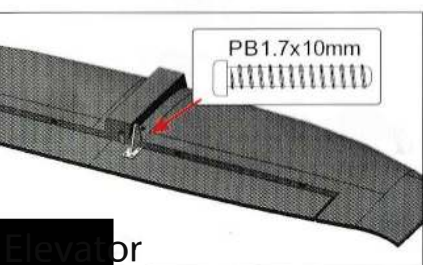
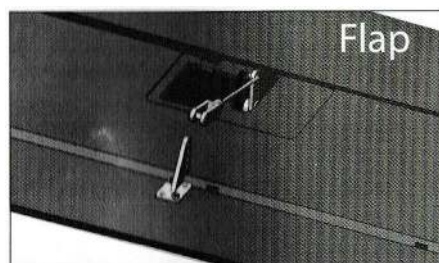
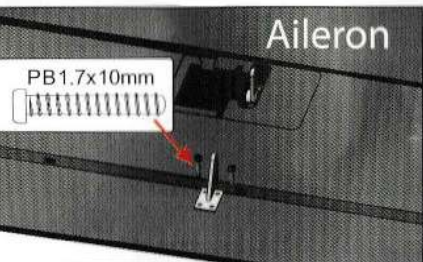
Foam glue
(see above)

ASSEMBLY

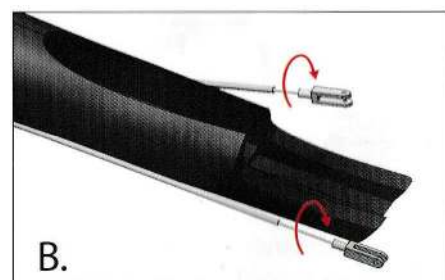
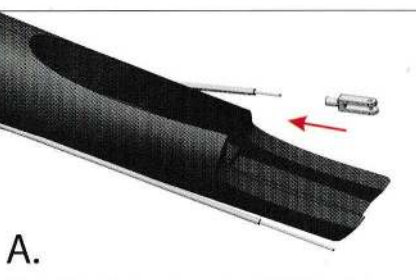
Follow the below assembly guide carefully when putting your Night Walrus together as it contains important information with regards to assembly and set-up.

Assembly Instructions:

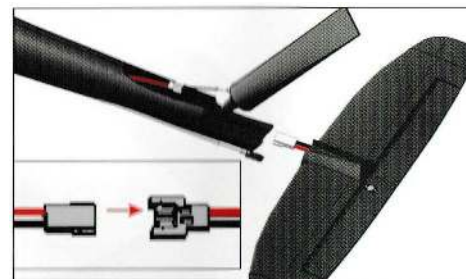
1. Install the control horns to all the control surfaces, please note that you only use 2 screws in each horn and not 4. It is recommended that you "flex" the control surfaces back and forth a few times beforehand to ensure they move freely and will not strain the servos. Install the pushrods and make the final adjustments when you get to the "Set Up" stage of the manual.



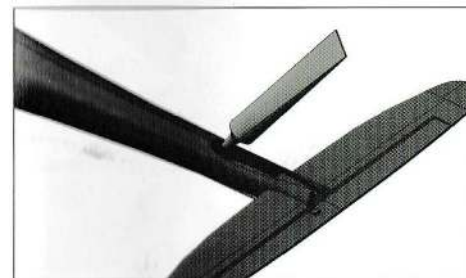
2. Install clevises on the end of the rudder and elevator push rods (A), screwing on until they are firmly attached as shown below (B).



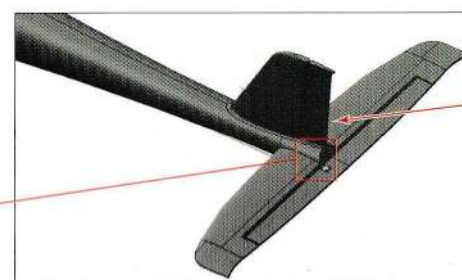
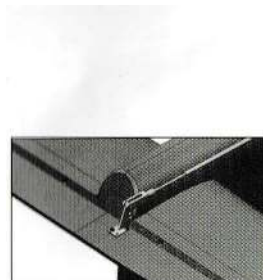
3. Using the recommended foam glue, apply glue to the exposed rear horizontal area of the fuselage (dry fit first to confirm position) and slot the horizontal tail in place firmly, checking alignment with the fuselage. Once the horizontal tail is firmly glued in place connect the LED plugs as shown, pulling the LED extension from inside the fuselage to remove any slack in this lead.



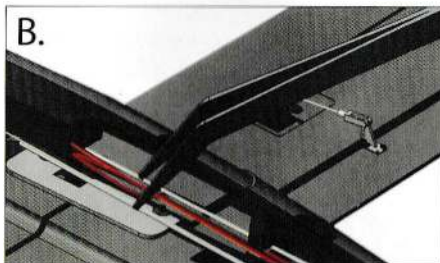
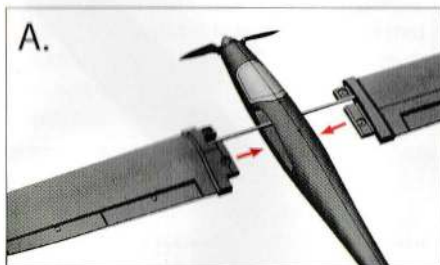
4. Repeat the above process for the vertical tail and ensure the vertical tail is at 90 degrees to the horizontal tail surface. Glue on both these surfaces should not have set at this time so you can still adjust the tail for correct alignment to one another (vertical tail aligned at 90 degrees to the horizontal surface).



With the tail surfaces glued firmly in place and glue fully cured, connect the control rods to the control horns of both control surfaces and assembly of the tail is complete.



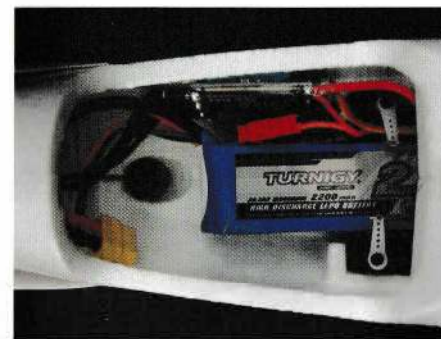
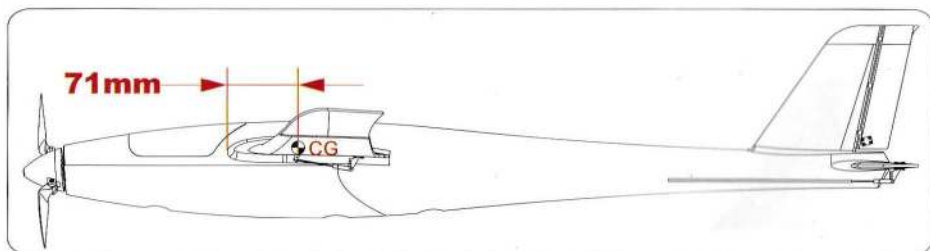
6. Insert the wing joining spar into one of the wing panels then slide that wing panel into the fuselage guiding followed by the remaining wing panel (A). Use a pair of small pliers through the hole in the bottom of the fuselage to help you pull all wires through into the fuselage opening as shown (B). Once all wires are pulled through, secure the wing in place using the supplied bolts shown (C).



SET-UP

1. With the recommended 2200mah 3S lipo installed as shown here your Night Walrus should balance at the CG point of 71mm from the leading edge. However this depends on the weight of battery used so adjust battery position accordingly to achieve the correct CG.

Use the supplied Velcro to secure the lipo in place.



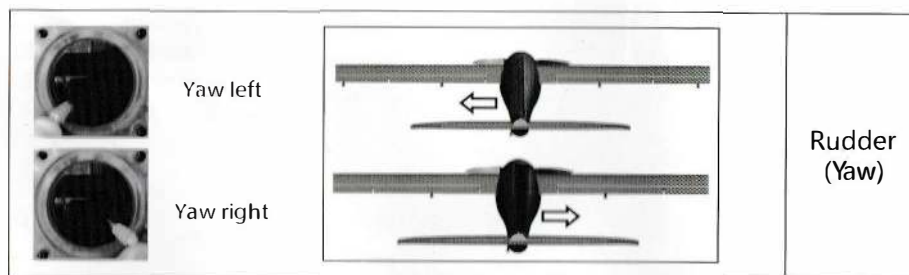
*Approximate battery location for correct CG

2. With your receiver installed directly under the wing in the fuselage and all servo's plugged into their corresponding channels, connect the lipo to the ESC to power up the electronics. With the model now armed, ensure servo's are centered and all control surfaces level. If not, adjust either via your radio or by hand until all surfaces are level.

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

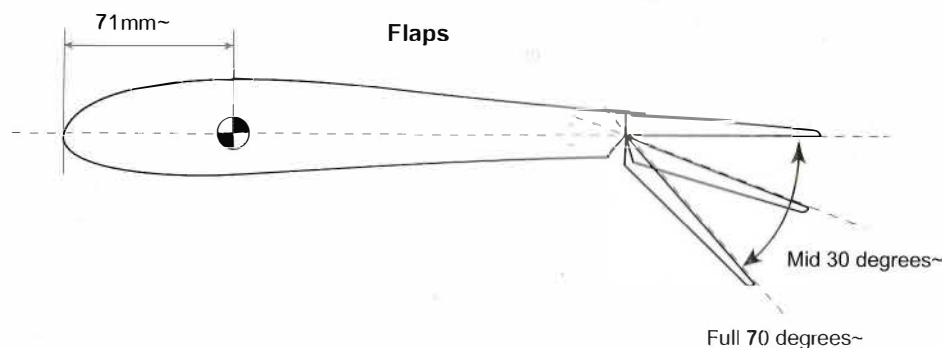
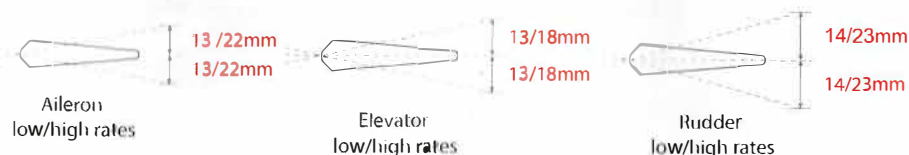
3. Check all control surfaces move in the correct direction with the applicable stick input (see below)

	Roll left Roll right		Aileron (Roll)
	Pitch up Pitch down		



Use the below guide to set your low and high rates on control surfaces and deflection on 3 stage flap.

Control throws:



With assembly and set-up now complete, your Night Walrus should now be ready for flight. However we recommend you read and follow the advice given in the following pages of this manual before flying the Night Walrus.

MODEL FLYING PRECAUTIONS

- Select your flight area carefully. Always choose an open space that is unobstructed from trees and buildings and away from crowded areas. Avoid flying in area's with roads, electric/telephone poles/wires and water near by or within close proximity to full size air traffic.
- Do not fly this model in poor weather. High winds, low visibility, inclement temperatures, rain and storms are to be avoided.
- Never attempt to catch this model whilst in flight. Even a slow moving model can cause harm to yourself and other and risks damage to the model.
- This model is recommended for children no younger than 14 year old. All children, no matter what age, should always be supervised by a capable and responsible adult when operating this model.
- Always unplug your model battery when not in use. Never leave the battery installed in the model.
- Remember to keep clear of the propeller at all times when your flight battery is connected.
- Before flying, always turn on your transmitter first then plug your flight battery into the model.
- After flying, always unplug your flight battery first then turn off your radio transmitter.
- Exercise caution when charging your batteries and follow in full your battery manufactures safety guideline when doing so.

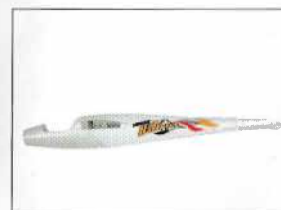
PRE FLIGHT CHECK

1. Always range check your model before any flight (especially when flying a new model for the first time). Follow your radio manufacturers guidelines for performing this check.
2. Check all screw/bolts and mounting points are firmly secured, including control horns and clevises.
3. Only fly with fully charged batteries (both in your radio and model). Failure to do so could result in loss of control, damage to the model and/or persons/property around you. Check your batteries are fully charged.
4. With the model powered up (Transmitter on first, then receiver/model) check that all surface are free from damage/obstructions, moving in the correct directions and freely with stick input.
5. Inspect the model and prop for any damage that may have occurred during transit and listen for any unusual sounds from the electronics when powered up. If in doubt, do not fly.
6. With the model held securely and the prop free of obstructions, increase the throttle just slightly to confirm the rotations of the prop is correct. The model should want to pull straight forward with throttle.
7. If this is your first flight with the model double check the C/G is at the correct position. If not adjust battery position inside model accordingly.
8. If you are an inexperienced model pilot seek the help and assistance of an experienced pilot to perform these final checks and to test fly the model for you.



Thank you for purchasing the H-King Night Walrus, we are sure you will have many happy nights and days flying it.

SPARE PARTS



Fuselage

Part No. 9306000230-0



Main Wing set

Part No. 9306000229-0



Horizontal tail

Part No. 9306000231-0



Vertical tail

Part No. 9306000232-0



Canopy

Part No. 9306000228-0



Spinner/ prop

Part No. 306000032



Accessories set

Part No. 9306000233-0