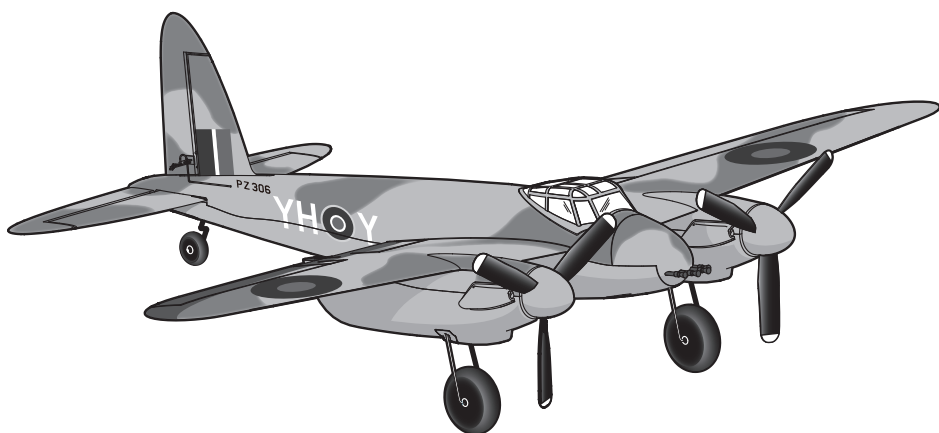




Ultra Micro DH 98 Mosquito Mk VI



**Instruction Manual
Bedienungsanleitung
Manuel d'utilisation
Manuale di Istruzioni**



BIND-N-FLY SPEKTRUM DSM TECHNOLOGY



NOTICE

All instructions, warranties and other collateral documents are subject to change at the sole discretion of Horizon Hobby, Inc. For up-to-date product literature, visit www.horizonhobby.com and click on the support tab for this product.


Meaning of Special Language:

The following terms are used throughout the product literature to indicate various levels of potential harm when operating this product:

NOTICE: Procedures, which if not properly followed, create a possibility of physical property damage AND little or no possibility of injury.

CAUTION: Procedures, which if not properly followed, create the probability of physical property damage AND a possibility of serious injury.

WARNING: Procedures, which if not properly followed, create the probability of property damage, collateral damage, and serious injury OR create a high probability of superficial injury.

 **WARNING:** Read the ENTIRE instruction manual to become familiar with the features of the product before operating. Failure to operate the product correctly can result in damage to the product, personal property and cause serious injury.

This is a sophisticated hobby product. It must be operated with caution and common sense and requires some basic mechanical ability. Failure to operate this Product in a safe and responsible manner could result in injury or damage to the product or other property. This product is not intended for use by children without direct adult supervision. Do not attempt disassembly, use with incompatible components or augment product in any way without the approval of Horizon Hobby, Inc. This manual contains instructions for safety, operation and maintenance. It is essential to read and follow all the instructions and warnings in the manual, prior to assembly, setup or use, in order to operate correctly and avoid damage or serious injury.

Additional Safety Precautions and Warnings

As the user of this product, you are solely responsible for operating in a manner that does not endanger yourself and others or result in damage to the product or the property of others.

This model is controlled by a radio signal subject to interference from many sources outside your control. This interference can cause momentary loss of control so it is advisable to always keep a safe distance in all directions around your model, as this margin will help avoid collisions or injury.

Age Recommendation: Not for children under 14 years. This is not a toy.

- Always keep a safe distance in all directions around your model to avoid collisions or injury. This model is controlled by a radio signal subject to interference from many sources outside your control. Interference can cause momentary loss of control
- Always operate your model in open spaces away from full-size vehicles, traffic and people.
- Always carefully follow the directions and warnings for this and any optional support equipment (chargers, rechargeable battery packs, etc.).
- Always keep all chemicals, small parts and anything electrical out of the reach of children.
- Always avoid water exposure to all equipment not specifically designed and protected for this purpose. Moisture causes damage to electronics.
- Never place any portion of the model in your mouth as it could cause serious injury or even death.
- Never operate your model with low transmitter batteries.

Thank you for purchasing the ParkZone Ultra Micro Series DeHavilland DH 98 Mosquito Mk VI. The speed, range and maneuverability of the Mosquito Mk. VI earned it a variety of combat roles during World War II. Low-level reconnaissance, anti-shipping and night fighter missions – it did it all. ParkZone brings the legendary “Mossie” to life in a Bind-N-Fly Ultra Micro Series replica that features scale details like a camo paint scheme, nose guns, removable landing gear, steerable tail wheel, exhaust covers and 3-blade propellers. These details combine with the power of its twin motors and 250mAh Li-Po battery to give you a one-of-a-kind twin-engine ultra micro that looks fantastic and flies great.

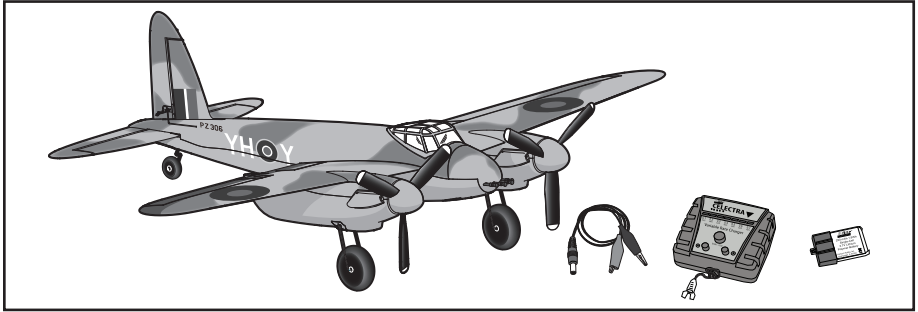


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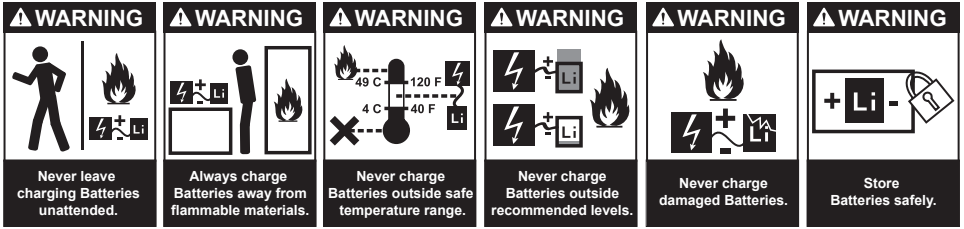
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Mosquito Specifications	
Wingspan	20.5 in (520mm)
Length	15.2 in (387mm)
Weight	2.60 oz (74 g)

Mosquito Features	Bind-N-Fly® Aircraft
Onboard Electronics Spektrum™ AR6400T Receiver/Servos/ESC	Installed
Battery 250mAh 3.7V Li-Po	Included
Charger 1S 3.7V Li-Po Battery Charger	Included
Transmitter DSM Aircraft Transmitter	Sold Separately

To register your product online, go to www.parkzone.com

Battery Warnings



The Battery Charger (EFLC1007) included with the Mosquito BNF has been designed to safely charge the Li-Po battery.

- ⚠ CAUTION:** All instructions and warnings must be followed exactly. Mishandling of Li-Po batteries can result in a fire, personal injury, and/or property damage.
- By handling, charging or using the included Li-Po battery you assume all risks associated with lithium batteries.
 - If at any time the battery begins to balloon or swell, discontinue use immediately. If charging or discharging, discontinue and disconnect. Continuing to use, charge or discharge a battery that is ballooning or swelling can result in fire.
 - Always store the battery at room temperature in a dry area for best results.
 - Always transport or temporarily store the battery in a temperature range of 40-120° F. Do not store battery or model in a car or direct sunlight. If stored in a hot car, the battery can be damaged or even catch fire.
 - Never exceed the recommended charge rate.
 - NEVER USE A Ni-Cd OR Ni-MH CHARGER. Failure to charge the battery with a compatible charger may cause fire resulting in personal injury and/or property damage.
 - Never discharge Li-Po cells to below 3V under load.
 - Never cover warning labels with hook and loop strips.

Low Voltage Cutoff (LVC)

When a Li-Po battery is discharged below 3V, it will not hold a charge. The Mosquito ESC protects the flight battery from over-discharge using Low Voltage Cutoff (LVC). Before the battery charge decreases too much, LVC removes power supply from the motors. Power to the motors quickly decreases and increases, showing some battery power is reserved for flight control and safe landing.

When the motor power decreases then increases, please land the aircraft immediately and recharge the flight battery.

Disconnect and remove the Li-Po battery from the aircraft after use to prevent trickle discharge. Before storage, charge the Li-Po battery to full capacity. During storage make sure battery charge does not go below 3V per cell.

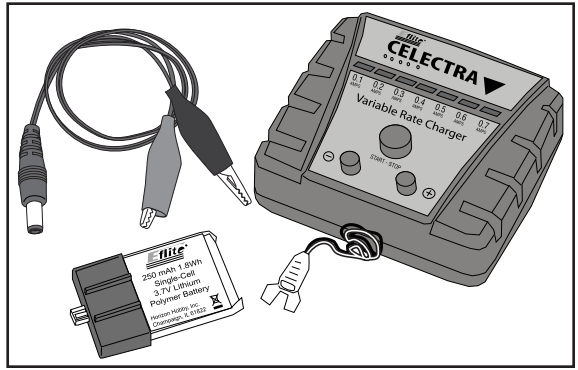
NOTICE: Repeated flying to LVC will damage the battery.

Charging the Battery

Only charge the battery with the included Celecra™ 1-Cell 3.7V Variable Rate DC Li-Po Charger. Please familiarize yourself thoroughly with the Battery Warnings and Guidelines section before continuing.

CAUTION: Never connect Li-Po batteries to a charger when charger is not powered. Never leave adapter/power supply or charger unattended when power is connected.

A 6-volt battery, a 12-volt battery, a 12-volt AC/DC power supply or an E-flite 6V, 1.5-Amp AC/DC Power Supply may be used with this charger. ALWAYS use a proper AC to DC adapter/power supply when powering the charger from an AC outlet.



The Battery Charging Process

1. Charge only batteries that are cool to the touch and are not damaged. Make sure battery is NOT damaged e.g., swollen, bent, broken or punctured.
2. Put the included charger cord (EFLUC1008) output plug in power socket of the Variable Rate Charger.
3. Connect the charger cord (EFLUC1008) clips to correct poles on a fully charged 6- or 12-volt battery (battery not included). Attach red clip to positive (+) pole and black clip to negative (-) pole. An LED on the charger will illuminate.
4. Press + or - buttons (buttons to the right (+) and left (-) of the large middle button) to make charger LEDs show at the 0.7-amp mark (included 250mAh battery requires 0.7 amps).
5. Align red dots on flight battery and charger connector and connect battery to charger connector.
6. Press Start button on the charger (large middle button).
7. When flight battery is fully charged, LEDs will illuminate, sweeping from side to side.
8. Immediately remove fully charged flight battery from the charger.

CAUTION: Overcharging a battery can cause a fire.

WARNING: Failure to use the proper charger for a Li-Po battery can result in serious damage, and if left charging long enough, will cause a fire. ALWAYS use caution when charging Li-Po batteries.

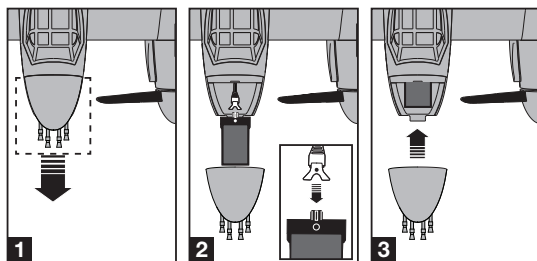
LED Functions under normal operation

- Single Solid LED.....Shows Charge Current
- Single LED Flashing.....Charging
- Multiple LEDs Flashing.....Charge Almost Complete
- LEDs Sweeping Side to Side.....Charge Complete

Installing Flight Battery

1. Remove hatch.
2. Correctly align red dots and attach power connector to battery.
3. Install battery in model using hook-and-loop strips then install hatch.

Note: Always disconnect the Li-Po from the receiver/ESC of the airplane when not flying. Failure to do so will render the battery unusable.



Transmitter and Receiver Binding

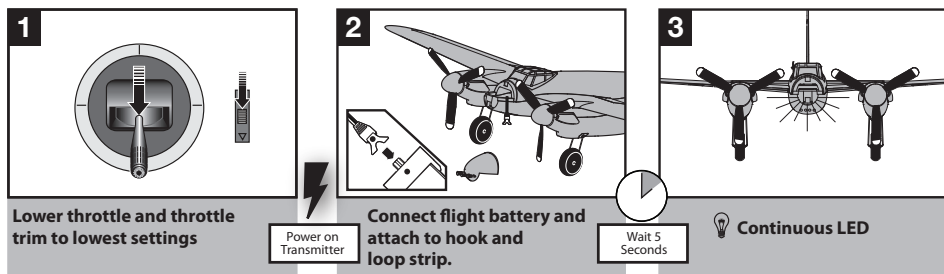
Binding is the process of programming the receiver of the control unit to recognize the GUID (Globally Unique Identifier) code of a single specific transmitter. You need to 'bind' your chosen Spektrum DSM® technology equipped aircraft transmitter to the receiver for proper operation.

Note: For a list of compatible DSM transmitters, please visit www.bindnfly.com.

Note: When using a Futaba transmitter with a Spektrum DSM module, you will need to reverse the throttle channel.

✓ Binding Procedure	
1.	Refer to your transmitter's unique instructions for binding to a receiver.
2.	Make sure the flight battery is disconnected from the aircraft.
3.	Power off the transmitter and move the transmitter more than 2 feet (50 cm) from the aircraft. Keep away from large metal objects (vehicles, etc.) while binding.
4.	Connect the flight battery in the aircraft. The receiver LED will begin to flash rapidly. (Typically after 5 seconds). Note: Receiver LED is visible in the fuselage when the nose cone is removed.
5.	Make sure transmitter controls are neutral and throttle and throttle trim are in low position.
6.	Put your transmitter into bind mode. Refer to your transmitter's manual for binding button or switch instructions.
7.	After 5 to 10 seconds, the receiver status LED will become solid, indicating the receiver is bound to the transmitter. Note: If the LED does not go to a solid light, refer to Troubleshooting Guide at back of manual.

Before Flight



Note: Always disconnect the Li-Po from the receiver/ESC of the aircraft when not flying. Failure to do so will render the battery unusable.

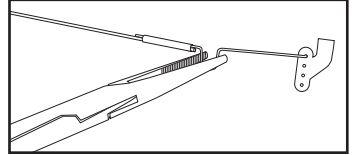
⚠ CAUTION: When armed, the motors will turn the propellers in response to any throttle movement. When the aircraft does not respond, you may need to bind.

First Flight Preparation

1. Remove and inspect box contents.
2. Read this instruction manual thoroughly.
3. Install the flight battery in the airplane (once it has been fully charged).
4. Bind aircraft to your transmitter.
5. Make sure carbon fiber control rods move freely.
6. Make sure flight control surfaces are centered.
7. Perform the Control Direction Test with the transmitter.
8. Adjust flight controls and transmitter.
9. Adjust battery position for Center of Gravity (CG).
10. Perform a radio system Range Check.
11. Find a safe and open area.

Control Centering

Before first flights, or in the event of an accident, make sure the flight control surfaces are centered. Adjust linkages mechanically if control surfaces are not centered. Use of the transmitter trims may not correctly center the aircraft control surfaces due to the mechanical limits of linear servos.



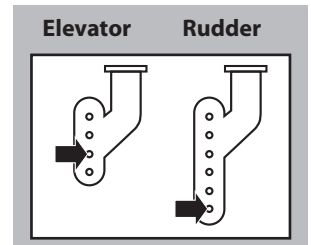
1. Make sure control surfaces are neutral when the transmitter controls and trims are centered. Where possible, transmitter sub-trim must be set to 0.
2. When needed, use a pair of pliers to carefully bend the metal of the linkage (see illustration).
3. Make the U-shape narrower to make the linkage shorter. Make the U-shape wider to make the linkage longer.

Note: Do not use Sub-Trim to adjust the center position of the servo, and never set Travel Adjust values above 100%. Ultra Micro servos reach maximum travel at 100%. Increasing the value above 100% will NOT result in more travel, but can cause the servo to lock and will result in poor flight characteristics or a crash.

Note: Linkages for ailerons are inside nacelles. Aileron linkages are smaller and may never need adjustment.

Settings for Control Horns

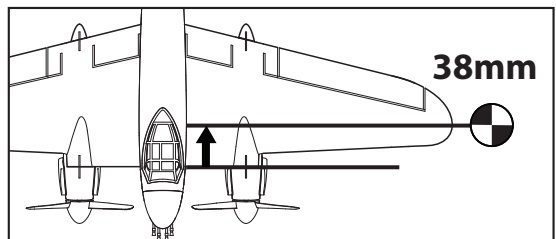
The picture here shows factory settings for linkages on control horns. After flying, if you want more or less control throw, carefully adjust linkage positions for desired control response. (Picture not to scale.)



Adjusting Center of Gravity (CG)

Install the flight battery and do a check for CG 38mm rearwards from the leading edge of the wing at the fuselage.

Adjust CG by moving flight battery.

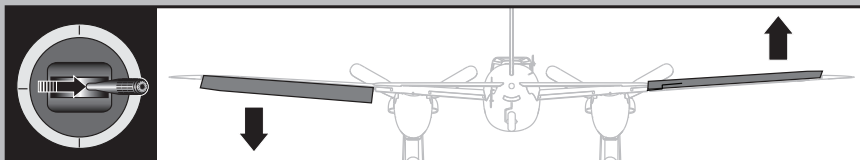
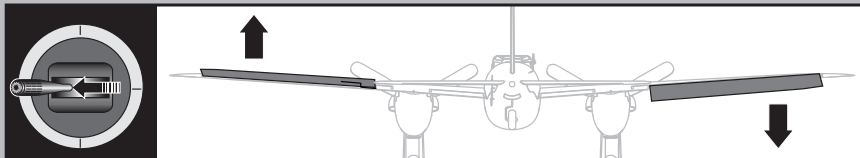


Control Direction Test

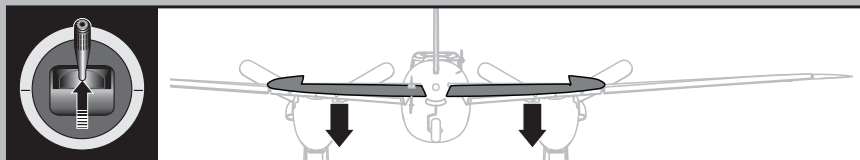
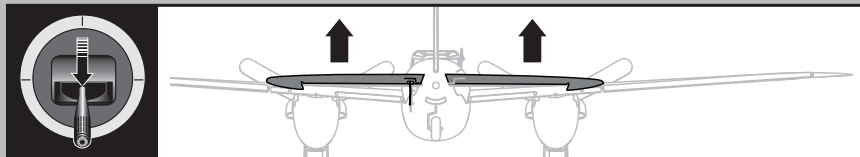
Bind your aircraft and transmitter before doing these tests. Move the controls on the transmitter to make sure aircraft control surfaces move correctly.

Note: Not to scale.

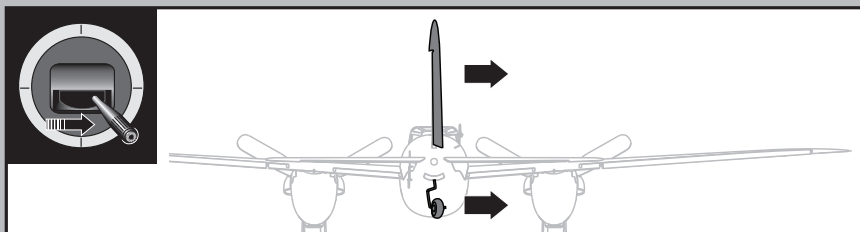
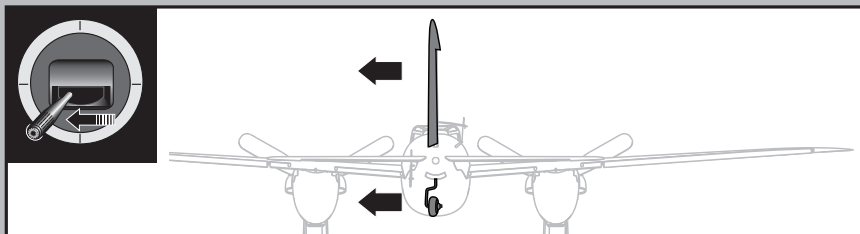
Aileron



Elevator



Rudder

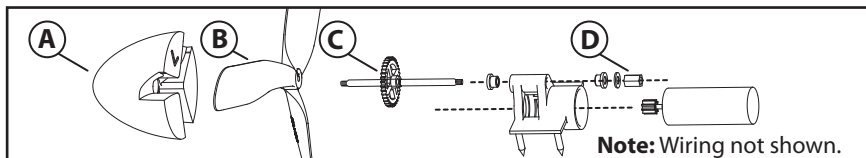


Service of Power Components

⚠ CAUTION: DO NOT handle a motor, propeller or ESC while the flight battery is connected to the model. Personal injury could result.

Power Component Access

1. Remove landing gear from nacelle.
2. Carefully remove glued (foam-safe CA) exhaust covers (marked right (R) and left (L)) from nacelle.
3. Cut tape on left and right sides of the nacelle where upper and lower nacelle parts meet. Tape **can** remove paint.
4. Carefully remove lower nacelle from upper nacelle (motor wires are attached to the wing and the control board in the fuselage).



Removing the Propeller, Propeller Shaft or a Motor.

1. Hold prop shaft (C) using needle-nose pliers or hemostats.
2. Remove the propeller (B) by turning it counterclockwise (looking from front of model) on the threaded shaft. When you can reach the gear on the shaft, hold the gear and turn the propeller to remove the propeller.
3. Carefully remove glued (foam-safe CA) spinner (A) from propeller. You may need to cut glue and foam from the propeller.
4. Hold the nut (D) on the shaft using needle-nose pliers or hemostats.
5. Turn shaft clockwise (looking from front of model) to remove the nut and washer.
6. Gently pull shaft from gearbox. Make sure washer and 2 bushings are not lost when shaft is removed from gearbox.
7. Remove glued (foam-safe CA) gearbox from nacelle.
8. Remove motor from gearbox.

Installation

1. Reverse instructions above for installation.

Note: At installation, carefully align gear on shaft with pinion gear on motor.

Note: Install correct propeller (EFLUP110803B (left) or EFLUP110803BR (right)) on each side. Install correct spinners marked left (L) and right (R) on propellers.

Note: Numbers on the propeller must face out from nacelle for correct propeller operation.

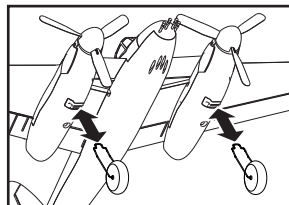
When looking from the front, the left propeller turns clockwise and the right turns counterclockwise. When propellers do not turn correctly, reverse the polarity of the motor plugs on the Receiver/ESC board.

Removing and Installing Landing Gear

Removal: Hold both sides of wire loop above wheel. Pull loop fully out of the nacelle slot.

Installation: Make sure loop angle points to model's nose. Hold both sides of wire loop above wheel. Carefully push open loop in nacelle slot. Make both wheels even with each other.

Note: Landing gear can easily be removed for hand-launching and landing on grass. When flying without landing gear, avoid landing on concrete or pavement.



Dual Rates

We recommend using a DSM aircraft transmitter capable of dual rates. Adjust according to individual preferences after initial flight.

NOTICE: When programming a transmitter, DO NOT set a servo channel's Travel Adjust (ATV or EPA in some transmitters) value to more than 100%.

A Travel Adjust value set to more than 100% overdrives and damages a linear servo and does NOT result in more control movement.

	High Rate	Low Rate
Aileron	8mm up/down	5mm up/down
Elevator	5mm up/down	4mm up/down
Rudder	5mm up/down	4mm up/down

Note: All control surfaces are measured at the widest point.

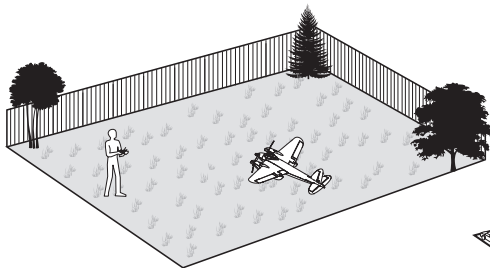
Flying Tips and Repairs

Flying

We recommend only flying your Mosquito in light winds. Always avoid flying near houses, trees, wires and buildings. You should also be careful to avoid flying in areas where there are many people, such as busy parks, schoolyards, or soccer fields. Consult local laws and ordinances before choosing a location to fly your aircraft.

Fly indoors only in a large space such as an indoor running track with a high ceiling.

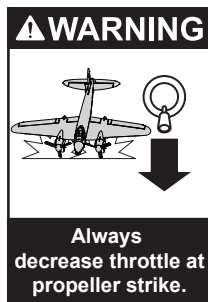
Place the Mosquito in position for takeoff (facing into the wind if flying outdoors). Gradually increase the throttle to $\frac{3}{4}$ to full, and steer with the rudder. Pull back gently with the elevator and climb to check trim. Once the trim is adjusted, begin exploring the flight envelope of the Mosquito.



When landing, keep the power about 1/4 to 1/3 and fly the airplane down to the ground. Decrease power as the wheels touch the ground. Try to avoid power off landings as the drag from the propellers prevents the airplane from having enough energy for a power off flare.

Failure to lower the throttle stick and trim to the lowest possible positions during a crash could result in damage to the ESC in the receiver unit, which may require replacement.

Note: Crash damage is not covered under warranty.



Repairs

Thanks to the construction of the Mosquito, repairs to the foam can be made using foam-compatible CA and foam-compatible CA accelerator or tape. When parts are not repairable, see the Replacement Parts List for ordering by item number.



Maintenance After Flying

- Disconnect flight battery from Receiver/ESC (Required for Safety)
- Turn off transmitter
- Remove flight battery from aircraft
- Recharge flight battery
- Repair or replace all damaged parts
- Store flight battery apart from aircraft and monitor the battery charge
- Make note of flight conditions and flight plan results, planning for future flights

Troubleshooting Guide

Problem	Possible Cause	Solution
Aircraft will not respond to throttle but responds to other controls	Throttle stick and/or throttle trim too high	Reset controls with throttle stick and throttle trim at lowest setting
	Throttle channel is reversed	Reverse throttle channel on transmitter
Extra propeller noise or extra vibration	Damaged propeller, spinner, prop shaft or motor	Replace damaged parts
	Nut on prop shaft is too loose	Tighten the prop shaft nut 1/2 turn
Reduced flight time or aircraft underpowered	Flight battery charge is low	Completely recharge flight battery
	Propeller installed backwards	Install propeller with numbers facing forward
	Flight battery damaged	Replace flight battery and follow flight battery instructions
	Flight conditions may be too cold	Make sure battery is warm before use
	Battery capacity too low for flight conditions	Replace battery or use a larger capacity battery
LED on receiver flashes and aircraft will not bind to transmitter (during binding)	Transmitter too near aircraft during binding process	Power off transmitter, move transmitter a larger distance from aircraft, disconnect and reconnect flight battery to aircraft and follow binding instructions
	Bind switch or button not held long enough during bind process	Power off transmitter and repeat bind process. Hold transmitter bind button or switch until receiver is bound
LED on receiver flashes rapidly and aircraft will not respond to transmitter (after binding)	Less than a 5-second wait between first powering on transmitter and connecting flight battery to aircraft	Leaving transmitter on, disconnect and reconnect flight battery to aircraft
	Aircraft bound to different model memory (ModelMatch™ radios only)	Select correct model memory on transmitter and disconnect and reconnect flight battery to aircraft
	Flight battery/transmitter battery charge is too low	Replace/recharge batteries
Control surface does not move	Control surface, control horn, linkage or servo damage	Replace or repair damaged parts and adjust controls
	Wire damaged or connections loose	Do a check of wires and connections, connect or replace as needed
	Flight battery charge is low	Fully recharge flight battery
	Control linkage does not move freely	Make sure control linkage moves freely
Controls reversed	Transmitter settings reversed	Do the Control Direction Test and adjust controls on transmitter appropriately
Motor loses power	Damage to motor, propeller shaft or power components	Do a check of motor, prop shaft and power components for damage (replace as needed)
	Nut on prop shaft is too tight	Loosen prop shaft nut until propeller shaft turns freely
Motor power quickly decreases and increases then motor loses power	Battery power is down to the point of receiver/ESC Low Voltage Cutoff (LVC)	Recharge flight battery or replace battery that is no longer performing
Servo locks or freezes at full travel	Travel adjust value is set above 100% overdriving the servo.	Set Travel adjust to 100% or less
Plane turns left or right in flight and aileron and rudder control centering has been checked	Propellers are turning at significantly different speeds (RPM). (Higher RPM will cause the motor to make a higher pitch sound)	Verify that propeller, prop shaft and motor are turning freely and adjust if needed. If no issues are found, replace motor that is turning significantly lower RPM.

Warranty and Repair Policy

Warranty Period

Exclusive Warranty- Horizon Hobby, Inc., (Horizon) warranties that the Products purchased (the "Product") will be free from defects in materials and workmanship at the date of purchase by the Purchaser.

Limited Warranty

Horizon reserves the right to change or modify this warranty without notice and disclaims all other warranties, express or implied.

- (a) This warranty is limited to the original Purchaser ("Purchaser") and is not transferable. REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE PURCHASER. This warranty covers only those Products purchased from an authorized Horizon dealer. Third party transactions are not covered by this warranty. Proof of purchase is required for all warranty claims.
- (b) Limitations- HORIZON MAKES NO WARRANTY OR REPRESENTATION, EXPRESS OR IMPLIED, ABOUT NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OF THE PRODUCT. THE PURCHASER ACKNOWLEDGES THAT THEY ALONE HAVE DETERMINED THAT THE PRODUCT WILL SUITABLY MEET THE REQUIREMENTS OF THE PURCHASER'S INTENDED USE.
- (c) Purchaser Remedy- Horizon's sole obligation hereunder shall be that Horizon will, at its option, (i) repair or (ii) replace, any Product determined by Horizon to be defective. In the event of a defect, these are the Purchaser's exclusive remedies.

Horizon reserves the right to inspect any and all equipment involved in a warranty claim. Repair or replacement decisions are at the sole discretion of Horizon. This warranty does not cover cosmetic damage or damage due to acts of God, accident, misuse, abuse, negligence, commercial use, or modification of or to any part of the Product. This warranty does not cover damage due to improper installation, operation, maintenance, or attempted repair by anyone other than Horizon. Return of any Product by Purchaser must be approved in writing by Horizon before shipment.

Damage Limits

HORIZON SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES, LOSS OF PROFITS OR PRODUCTION OR COMMERCIAL LOSS IN ANY WAY CONNECTED WITH THE PRODUCT, WHETHER SUCH CLAIM IS BASED IN CONTRACT, WARRANTY, NEGLIGENCE, OR STRICT LIABILITY. Further, in no event shall the liability of Horizon exceed the individual price of the Product on which liability is asserted. As Horizon has no control over use, setup, final assembly, modification or misuse, no liability shall be assumed nor accepted for any resulting damage or injury. By the act of use, setup or assembly, the user accepts all resulting liability.

If you as the Purchaser or user are not prepared to accept the liability associated with the use of this Product, you are advised to return this Product immediately in new and unused condition to the place of purchase.

Law: These Terms are governed by Illinois law (without regard to conflict of law principals).

Warranty Services

Questions, Assistance, and Repairs

Your local hobby store and/or place of purchase cannot provide warranty support or repair. Once assembly, setup or use of the Product has been started, you must contact Horizon directly. This will enable Horizon to better answer your questions and service you in the event that you may need any assistance. For questions or assistance, please direct your email to product-support@horizonhobby.com, or call 877.504.0233 toll free to speak to a Product Support representative. You may also find information on our website at www.horizonhobby.com.

Inspection or Repairs

If this Product needs to be inspected or repaired, please use the Horizon Online Repair Request submission process found on our website or call Horizon to obtain a Return Merchandise Authorization (RMA) number. Pack the Product securely using a shipping carton. Please note that original boxes may be included, but are not designed to withstand the rigors of shipping without additional protection. Ship via a carrier that provides tracking and insurance for lost or damaged parcels, as Horizon is not responsible for merchandise until it arrives and is accepted at our facility. An Online Repair Request is available at www.horizonhobby.com under the Repairs tab. If you do not have internet access, please contact Horizon Product Support to obtain a RMA number along with instructions for submitting your product for repair. When calling Horizon, you will be asked to provide your complete name, street address, email address and phone number where you can be reached during business hours. When sending product into Horizon, please include your RMA number, a list of the included items, and a brief summary of the problem. A copy of your original sales receipt must be included for warranty consideration. Be sure your name, address, and RMA number are clearly written on the outside of the shipping carton.

Notice: Do not ship batteries to Horizon. If you have any issue with a battery, please contact the appropriate Horizon Product Support office.

Warranty Inspection and Repairs

To receive warranty service, you must include your original sales receipt verifying the proof-of-purchase date.

Provided warranty conditions have been met, your Product will be repaired or replaced free of charge. Repair or replacement decisions are at the sole discretion of Horizon Hobby.

Non-Warranty Repairs

Should your repair not be covered by warranty the repair will be completed and payment will be required without notification or estimate of the expense unless the expense exceeds 50% of the retail purchase cost. By submitting the item for repair you are agreeing to payment of the repair without notification. Repair estimates are available upon request. You must include this request with your repair. Non-warranty repair estimates will be billed a minimum of ½ hour of labor. In addition you will be billed for return freight. Horizon accepts money orders and cashiers checks, as well as Visa, MasterCard, American Express, and Discover cards. By submitting any item to Horizon for inspection or repair, you are agreeing to Horizon's Terms and Conditions found on our website under the Repairs tab.

Warranty and Service Contact Information

Country of Purchase	Horizon Hobby	Address	Phone Number / Email Address
United States of America	Horizon Service Center (Electronics and engines)	4105 Fieldstone Rd Champaign, Illinois 61822 USA	877-504-0233 Online Repair Request visit: www.horizonhobby.com/repairs
	Horizon Product Support (All other products)	4105 Fieldstone Rd Champaign, Illinois 61822 USA	877-504-0233 productsupport@horizonhobby.com
United Kingdom	Horizon Hobby Limited	Units 1-4 Ployters Rd Staple Tye Harlow, Essex CM18 7NS United Kingdom	+44 (0) 1279 641 097 sales@horizonhobby.co.uk
Germany	Horizon Technischer Service	Hamburger Str. 10 25335 Elmshorn Germany	+49 4121 46199 66 service@horizonhobby.de
France	Horizon Hobby SAS	14 Rue Gustave Eiffel Zone d'Activité du Réveil Matin 91230 Montgeron	+33 (0) 1 60 47 44 70 infofrance@horizonhobby.com

Compliance Information for the European Union

Declaration of Conformity

(in accordance with ISO/IEC 17050-1)
No. HH2011010904

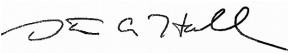
CE	Product(s):	PKZ Mosquito Mk VI Ultra Micro BNF
	Item Number(s):	PKZU1380
	Equipment class:	1

The object of declaration described above is in conformity with the requirements of the specifications listed below, following the provisions of the European R&TTE directive 1999/5/EC and EMC Directive 2004/108/EC

EN 301 489-1, 301 489-17
EN55022
EN55024
EN61000-3-2
EN61000-3-3

General EMC requirements
Radio disturbance characteristics
Immunity characteristics
Harmonic current emissions
Voltage fluctuations & flicker

Signed for and on behalf of:
Horizon Hobby, Inc.
Champaign, IL USA
Jan. 9, 2011


Steven A. Hall
Vice President
International Operations and Risk Management
Horizon Hobby, Inc.

Instructions for disposal of WEEE by users in the European Union



This product must not be disposed of with other waste. Instead, it is the user's responsibility to dispose of their waste equipment by handing it over to a designated collections point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or where you purchased the product.

Replacement Parts/Ersatzteile/ Pièces de rechange /Pezzi di ricambio

Part # Nummer Numéro Codice	Description	Beschreibung	Description	Descrizione
PKZU1302	Decal Sheet: Mosquito	Dekorbogen: Mosquito	Planche de décalcomanies : Mosquito	Foglio con decalcomanie: Mosquito
PKZU1303	Landing Gear with Wheels: Mosquito	Fahrgestell mit Rädern: Mosquito	Train d'atterrissage avec roues : Mosquito	Carrello di atterraggio con ruote: Mosquito
PKZU1304	Nose Cone/Battery Hatch: Mosquito	Bugnose/Akkufach: Mosquito	Cône de nez / capot de batterie : Mosquito	Cono a punta/ Sportello batteria: Mosquito
PKZU1305	Canopy: Mosquito	Kabinenhaube: Mosquito	Verrière : Mosquito	Cappottina: Mosquito
PKZU1306	Carbon Rod Set: Mosquito	Karbonstangensatz: Mosquito	Jeu de tiges en carbone : Mosquito	Set asta in carbonio: Mosquito
PKZU1307	Pushrod Set: Mosquito	Schubstangensatz: Mosquito	Jeu de tiges : Mosquito	Set asta di spinta: Mosquito
PKZU1308	Spinner Set (L and R): Mosquito	Spinnersatz (L und R): Mosquito	Jeu de cônes d'hélice (gauche et droit) : Mosquito	Set spinner (D e S): Mosquito
PKZU1309	Motor (2): Mosquito	Motor (2): Mosquito	Moteur (2) : Mosquito	Motore (2): Mosquito
PKZU1310	Tail Set, Painted, with Accessories: Mosquito	Leitwerk, lackiert, mit Zubehör: Mosquito	Queue complète peinte avec accessoires : Mosquito	Set coda, verniciato con accessori: Mosquito
PKZU1311	Nacelle Set: Mosquito	Gondelsatz: Mosquito	Jeu de nacelle : Mosquito	Set gondola motore: Mosquito
PKZU1320	Painted Wing: Mosquito	Lackierter Flügel: Mosquito	Aile peinte : Mosquito	Ala verniciata: Mosquito
PKZU1367	Painted Fuselage with Canopy: Mosquito	Lackierter Rumpf mit Kabinenhaube: Mosquito	Fuselage peint avec verrière : Mosquito	Fusoliera verniciata con cappottina: Mosquito
PKZU1380	Mosquito Mk VI BNF	Mosquito Mk VI BNF	Mosquito Mk VI BNF	Mosquito Mk VI BNF
EFLB2501S20	250mAh 1-Cell 3.7V Li-Po Battery	250 mAh- Einzellen-3,7 V-Li-Po- Akku	Batterie Li-Po 1 cellule 3,7 V 250 mAh	Batteria Li-Po a singola cella da 3,7 V e 250 mAh
EFLC1007	Celectra 1-Cell 3.7V Variable Rate DC Li-Po Charger	Celectra-Einzellen-3,7 V-Gleichstrom-Li- Po-Ladegerät mit variablem Ladestrom	Chargeur Li-Po CC à taux variable Celectra 1 cellule 3,7 V	Caricabatterie CC a tensione variabile Celectra per batterie Li-Po a singola cella da 3,7 V
EFLUC1008	Power Cord with Alligator Clips	Stromkabel mit Krokodilklemmen	Cordon d'alimentation avec pinces crocodile	Cavo di alimentazione con pinze a coccodrillo
EFLUP110803B	110x80mm 3-Blade Propeller, Left	110x80 mm- Dreiblattpropeller, links	Hélice à 3 pales 110 x 80 mm, gauche	Elica a 3 lame da 110 x 80 mm, sinistra
EFLUP110803BR	110x80mm 3-Blade Propeller, Right	110x80 mm- Dreiblattpropeller, rechts	Hélice à 3 pales 110 x 80 mm, droite	Elica a 3 lame da 110 x 80 mm, destra
SPMAS2000L	Aileron Servos	Querruderservos	Servos d'aileron	Servocomandi alettoni
SPMAR6400T	AR6400T DSM 6CH Ultra Micro Receiver w/ Twin ESC	AR6400T-DSM- 6CH-Ultra-Micro- Empfänger mit Zwillings-ESC	AR6400T DSM 6CH Ultra Micro Receiver w/ Twin ESC	Ricevitore a 6 canali Ultra-Micro DSM AR6400T con due ESC

Optional Parts/Optionale Bauteile/ Pièces optionnelles/ Pezzi opzionali

Part # Nummer Numéro Codice	Description	Beschreibung	Description	Descrizione
EFLC1005	AC to 6V DC Adapter (Optional)	6V-Gleichstrom- Netzgerät (optional)	Adaptateur courant alternatif vers courant continu 6 V (en option)	Adattatore CA a CC 6 V (opzionale)
EFLC1005AU	AC to 6V DC Adapter (AU) (Optional)	6V-Gleichstrom- Netzgerät (AU) (optional)	Adaptateur courant alternatif vers courant continu 6 V (Australie) (en option)	Adattatore CA a CC 6 V (AU) (opzionale)
EFLC1005EU	AC to 6V DC Adapter (EU) (Optional)	6V-Gleichstrom- Netzgerät (EU) (optional)	Adaptateur courant alternatif vers courant continu 6 V (UE) (en option)	Adattatore CA a CC 6 V (UE) (opzionale)
EFLC1005UK	AC to 6V DC Adapter (UK) (Optional)	6V-Gleichstrom- Netzgerät (GB) (optional)	Adaptateur courant alternatif vers courant continu 6 V (Royaume- Uni) (en option)	Adattatore CA a CC 6 V (UK) (opzionale)
SPM6825	Linear Servo Reverser (Optional)	Linearservo- Umkehrer (optional)	Inverseur de servo linéaire (en option)	Invertitore del servo lineare (opzionale)
SPMR5500	DX5e 5-Channel Transmitter Mode 2 (Optional)	DX5e 5-Kanal-Sender Modus 2 (optional)	Émetteur 5 voies DX5e Mode 2 (en option)	Trasmittitore a 5 canali DX5e modalità 2 (opzionale)
SPMR55001	DX5e 5-Channel Transmitter Mode 1 (Optional)	DX5e 5-Kanal-Sender Modus 1 (optional)	Émetteur 5 voies DX5e Mode 1 (en option)	Trasmittitore a 5 canali DX5e modalità 1 (opzionale)
SPMR6600	DX6i 6-Channel Transmitter Mode 2 (Optional)	DX6i 6-Kanal-Sender Modus 2 (optional)	Émetteur 6 voies DX6i Mode 2 (en option)	Trasmittitore a 6 canali DX6i modalità 2 (opzionale)
SPMR66001	DX6i 6-Channel Transmitter Mode 1 (Optional)	DX6i 6-Kanal-Sender Modus 1 (optional)	Émetteur 6 voies DX6i Mode 1 (en option)	Trasmittitore a 6 canali DX6i modalità 1 (opzionale)
SPMR6600E	DX6i 6-Channel Transmitter Mode 2 (EU) (Optional)	DX6i 6-Kanal-Sender Modus 2 (EU) (optional)	Émetteur 6 voies DX6i Mode 2 (UE) (en option)	Trasmittitore a 6 canali DX6i modalità 2 (UE) (opzionale)
SPMR66001E	DX6i 6-Channel Transmitter Mode 1 (EU) (Optional)	DX6i 6-Kanal-Sender Modus 1 (EU) (optional)	Émetteur 6 voies DX6i Mode 1 (UE) (en option)	Trasmittitore a 6 canali DX6i modalità 1 (UE) (opzionale)
SPM8800	DX8 Transmitter W/ AR8000 + TM1000 NO SX MD2 (Optional)	DX8 Sender mit AR8000 + TM1000 NO SX MD2 (optional)	Émetteur DX8 avec AR8000 + TM1000 NO SX MD2 (en option)	Trasmittitore DX8 W/AR8000 +TM1000 NO SX MD2 (opzionale)
SPM8800EU	DX8 Transmitter W/ AR8000 + TM1000 NO SX MD2 (Europe) (Optional)	DX8 Sender mit AR8000 + TM1000 NO SX MD2 (Europa) (optional)	Émetteur DX8 avec AR8000 + TM1000 NO SX MD2 (Europe) (en option)	Trasmittitore DX8 W/AR8000 +TM1000 NO SX MD2 (Europa) (opzionale)
SPM88001AU	DX8 Transmitter W/ AR8000 + TM1000 NO SX MD1 (Australia) (Optional)	DX8 Sender mit AR8000 + TM1000 NO SX MD1 (Australien) (optional)	Émetteur DX8 avec AR8000 + TM1000 NO SX MD1 (Australie) (en option)	Trasmittitore DX8 W/AR8000 +TM1000 NO SX MD1 (Australia) (opzionale)
SPM88001FR	DX8 Transmitter W/ AR8000 + TM1000 NO SX MD1 (France) (Optional)	DX8 Sender mit AR8000 + TM1000 NO SX MD1 (Frankreich) (optional)	Émetteur DX8 avec AR8000 + TM1000 NO SX MD1 (France) (en option)	Trasmittitore DX8 W/AR8000 +TM1000 NO SX MD1 (Francia) (opzionale)

Parts Contact Information/Kontaktinformationen für Ersatzteile/ Coordonnées pour obtenir des pièces détachées /Recapiti per i pezzi di ricambio

Country of Purchase	Horizon Hobby	Address	Phone Number / Email Address
United States	Sales	4105 Fieldstone Rd Champaign, Illinois, 61822 USA	800-338-4639 sales@horizonhobby.com
United Kingdom	Horizon Hobby Limited	Units 1-4 Ployters Rd Staple Tye Harlow, Essex CM18 7NS, United Kingdom	+44 (0) 1279 641 097 sales@horizonhobby.co.uk
Germany	Horizon Hobby GmbH	Hamburger Str. 10 25335 Elmshorn, Germany	+49 4121 46199 60 service@horizonhobby.de
France	Horizon Hobby SAS	14 Rue Gustave Eiffel Zone d'Activité du Réveil Matin 91230 Montgeron	+33 (0) 1 60 47 44 70 infofrance@horizonhobby.com

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US D578,146. PRC ZL 200720069025.2. Other patents pending.

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