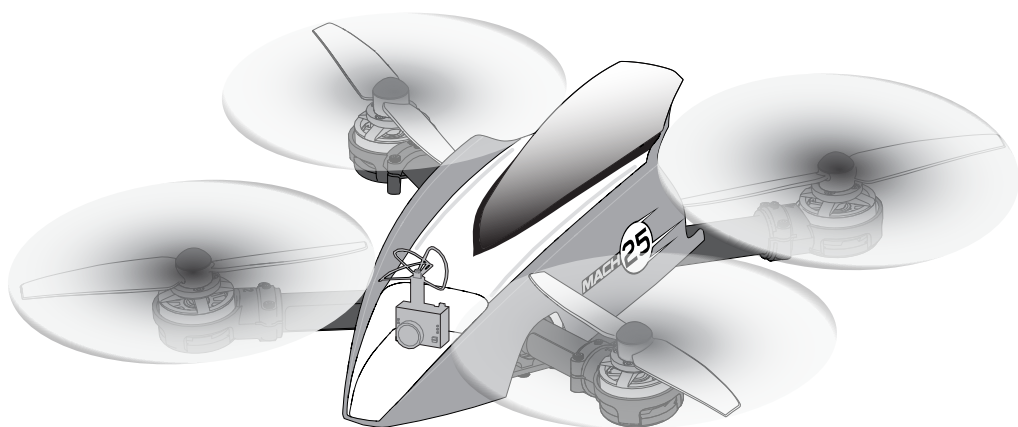


# **BLADE<sup>®</sup>** **MACH** **25**<sup>TM</sup>



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

**SAFE**  **BNF**  
BASIC

## NOTICE

All instructions, warranties and other collateral documents are subject to change at the sole discretion of Horizon Hobby, LLC. For up-to-date product literature, visit [horizonhobby.com](http://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 a 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 use with incompatible components or alter this product in any way outside of the instructions provided by Horizon Hobby, LLC. 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.

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

## Safety Precautions and Warnings

- 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.
- Always keep aircraft in sight and under control.
- Always move the throttle fully down at rotor strike.
- Always use fully charged batteries.
- Always keep transmitter powered on while aircraft is powered.
- Always remove batteries before disassembly.
- Always keep moving parts clean.
- Always keep parts dry.
- Always let parts cool after use before touching.
- Always remove batteries after use.
- Never operate aircraft with damaged wiring.
- Never touch moving parts.

**If you are operating this product in North America, you are required to have an Amateur Radio (HAM) license.**



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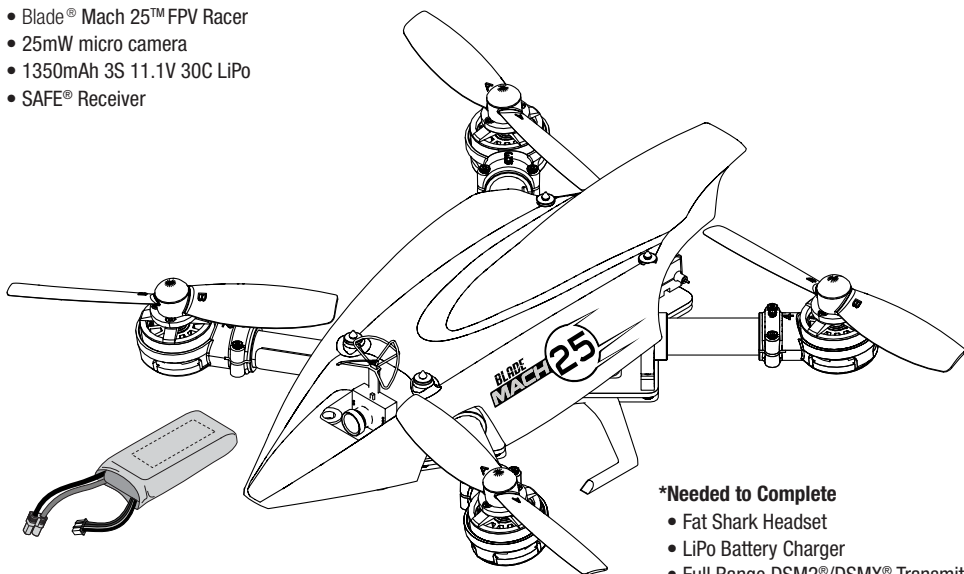
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Components		BNF
<b>Airframe</b>	Blade® Mach 25™ FPV Racer	<b>Included</b>
<b>Battery</b>	1350mAh 3S 11.1V 30C LiPo	<b>Included</b>
<b>Motors</b>	2300Kv Brushless	<b>Installed</b>
<b>Flight Control</b>	SPMA3174 SAFE Receiver	<b>Installed</b>
<b>Electronic Speed Control</b>	Castle 4-n-1 ESC	<b>Installed</b>
<b>FPV System</b>	Ultra Micro FPV Camera and Video Transmitter	<b>Installed</b>

Specifications			
<b>Length</b>	8.28 in (210mm)	<b>Flying Weight</b>	17.81 oz (505 g)
<b>Height</b>	3.15 in (80mm)	<i>To register your product online, visit <a href="http://www.bladehelis.com">www.bladehelis.com</a></i>	
<b>Propeller Diameter</b>	5 in (127mm)		

## Box Contents\*

- Blade® Mach 25™ FPV Racer
- 25mW micro camera
- 1350mAh 3S 11.1V 30C LiPo
- SAFE® Receiver



### \*Needed to Complete

- Fat Shark Headset
- LiPo Battery Charger
- Full Range DSM2®/DSMX® Transmitter (DX6i and up)

## First Flight Preparation

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- Remove and inspect contents
- Begin charging the flight battery
- Program your computer transmitter
- Familiarize yourself with the controls
- Install the flight battery in the quadcopter (once it has been fully charged)
- Bind your transmitter
- Find a suitable area for flying

## Charging Warnings

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**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.

- **NEVER LEAVE CHARGING BATTERIES UNATTENDED.**
- **NEVER CHARGE BATTERIES OVERNIGHT.**
- 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 (5–49° C). 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.
- Always charge batteries away from flammable materials.

## Battery Charging

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**NOTICE:** Refer to your charger manual for specific charging instructions.



**CAUTION:** Only use chargers specifically designed to charge the included Li-Po battery. Failure to do so could result in fire, causing injury or property damage.



**CAUTION:** Never exceed the recommended charge rate.



**CAUTION:** Once charging is complete, immediately remove the battery. Never leave a battery connected to the charger.

## Flying Checklist

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- Always turn the transmitter on first**
- Plug the flight battery into the lead from the 4-in-1 ESC
- Allow the receiver and ESC to initialize and arm
- Fly the model
- Land the model
- Unplug the flight battery from the 4-in-1 ESC
- Always turn the transmitter off last**

- Always inspect the battery before charging.
- Always disconnect the battery after charging, and let the charger cool between charges.
- Always constantly monitor the temperature of the battery pack while charging.
- **ONLY USE A CHARGER SPECIFICALLY DESIGNED TO CHARGE LI-PO BATTERIES.** Failure to charge the battery with a compatible charger may cause a 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.
- Never leave charging batteries unattended.
- Never charge batteries outside recommended levels.
- Never charge damaged batteries.
- Never attempt to dismantle or alter the charger.
- Never allow minors to charge battery packs.
- Never charge batteries in extremely hot or cold places (recommended between 40–120° F or 5–49° C) or place in direct sunlight.

## Transmitter Setup Table

Transmitter	"Model Type"	Transmitter Programming	Functions
DX6i	Acro	<b>Setup List</b> GEAR POS (0) GEAR : ↑ 100%; GEAR/F MODE POS (1) GEAR : ↓ 48% <b>Reverse:</b> Gear – R <b>Throttle Cut:</b> ACT <b>Flaps:</b> Norm (DN) 100% Land (DN) 100% <b>Mixing</b> Mix 1: ACT; Gear > Gear ACT Rate D 0%, U -100% SW: GEAR, Trim: INH Mix 2: ACT; Gear > Gear ACT Rate D 0%, U +100% SW: ELE D/R, Trim INH	<b>Flight Modes:</b> GEAR (0), ELE D/R (0) = Stability low bank angle GEAR (1), ELE D/R (0) = Stability high bank angle GEAR (1), ELE D/R (1) = Agility
DX7S	Acro	<b>System Setup</b> Switch Select Trainer: Aux1 Flaps: Gear F Mode: INH Mix: INH Gear: INH Knob: INH <b>Reverse:</b> N/A <b>Throttle Cut:</b> Mix 1	<b>Flight Modes:</b> Flap sw 0 = Stability low bank angle Flap sw 1 = Stability high bank angle Flap sw 2 = Agility Bind I = Panic Recovery
DX8	Acro	<b>System Setup</b> Switch Select Trainer = Aux 1 Flap = INH F Mode = Gear Mix = INH Gear = INH <b>Reverse:</b> N/A <b>Throttle Cut:</b> Mix 1	<b>Flight Modes:</b> F-Mode 0 = Stability low bank angle F-Mode 1 = Stability high bank angle F-Mode 2 = Agility Bind I = Panic Recovery
DX6, DX7, DX9, DX18	Airplane	<b>System Setup</b> Channel Assign, [NEXT] Gear =B Aux 1 = I <b>Servo Setup:</b> All Norm <b>Throttle Cut:</b> Switch H	<b>Flight Modes:</b> B-Switch 0 = Stability low bank angle B-Switch 1 = Stability high bank angle B-Switch 2 = Agility Bind I = Panic Recovery

## SAFE® Technology

Revolutionary SAFE® (Sensor Assisted Flight Envelope) technology uses an innovative combination of multi-axis sensors and software that allows model aircraft to know its position relative to the horizon. This spatial awareness is utilized to create a controlled flight envelope the aircraft can use to maintain a safe region of bank and pitch angles so you can fly more safely. Far beyond stability, this level of protection offers multiple modes so the pilot can choose to develop his or her skills with a greater degree of security and flight control that always feels crisp and responsive.

SAFE® technology delivers:

- Flight envelope protection you can enable at the flip of a switch.
- Multiple modes let you adapt SAFE® technology to your skill level instantly.

Best of all, sophisticated SAFE® technology doesn't require any work to enjoy. Every aircraft with SAFE® installed is ready to use and optimized to offer the best possible flight experience.

FlySAFERC.com

## Flight Mode and Rate Selection

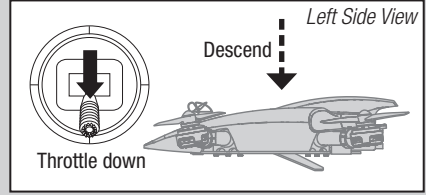
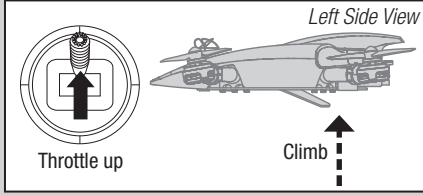
- In stability low angle mode, the controls provide a minimum bank angle.
- In stability high angle mode, the controls provide for a maximum bank angle.
- In agility mode, the system does not self level. Use rates and expo to tune the performance according to your flying style.

Refer to the *Transmitter Setup Table* for transmitter switch selection and specific setup information.

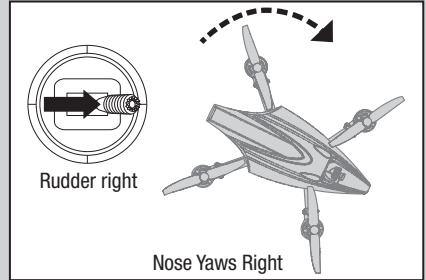
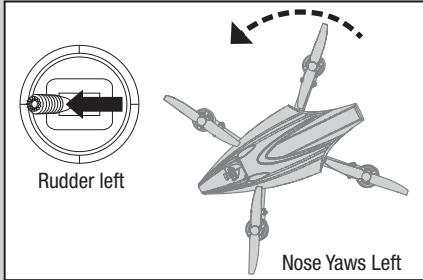
# Understanding the Primary Flight Controls

If you are not familiar with the controls of your quadcopter, take a few minutes to familiarize yourself with them before attempting your first flight.

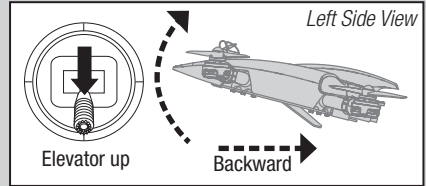
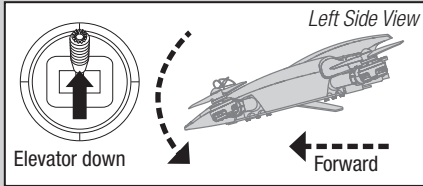
## Throttle



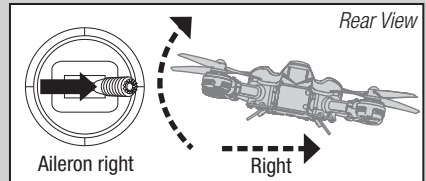
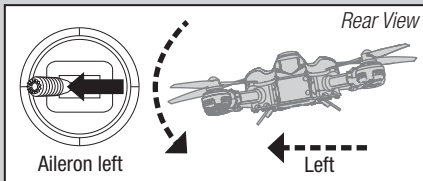
## Rudder



## Elevator

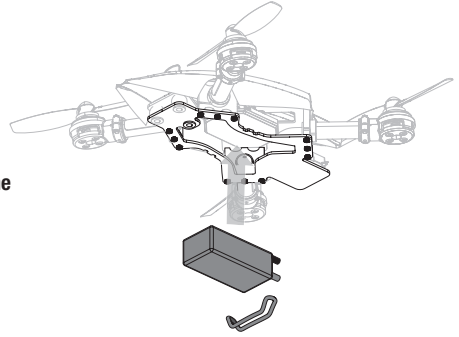


## Aileron



## Installing the Flight Battery

1. Lower the throttle.
2. Power on the transmitter.
3. Center the throttle trim.
4. Attach hook material to the quadcopter frame and loop material to the battery.
5. Install the flight battery on the quadcopter's bottom frame. Secure the flight battery using the battery o-ring. **Connect the battery cable to the ESC, noting correct polarity.**
6. Do not move the quadcopter until the receiver initializes.
7. The quadcopter motor will emit initialization tones, indicating the ESC is armed.



**CAUTION:** Always disconnect the Li-Po battery from the quadcopter receiver when not flying to avoid over-discharging the battery. Batteries discharged to a voltage lower than the lowest approved voltage may become damaged, resulting in loss of performance and potential fire when batteries are charged.



**CAUTION:** Connecting the battery to the ESC with reversed polarity will cause damage to the ESC, the battery or both. Damage caused by incorrectly connecting the battery is not covered under warranty.

## Transmitter and Receiver Binding

To bind or re-bind your quadcopter to your chosen transmitter, please follow the directions below.

### General Binding Procedure

1. Program your transmitter using the **Transmitter Setup** found in this manual.
2. Insert the bind plug in the BIND port on the receiver (BND/PRG).
3. Connect the flight battery to the ESC. The A3174 receiver will flash, indicating it is in bind mode.
4. Move the throttle stick to the desired failsafe position (low throttle position in normal mode).
5. Power on transmitter while holding the BIND button. The system will connect within a few seconds.
6. Binding is complete when the orange LED on the receiver glows solid.
7. Remove the bind plug from the receiver before you unplug the battery and power off the transmitter. (Store the bind plug in a convenient location).



**CAUTION:** When using a Futaba® transmitter with a *Spektrum*™ DSM2® module, you must reverse the throttle channel and re-bind. Refer to your *Spektrum* module manual for binding and failsafe instructions. Refer to your Futaba transmitter manual for instructions on reversing the throttle channel.

If you encounter problems, obey binding instructions and refer to the troubleshooting guide for other instructions. If needed, contact the appropriate Horizon Product Support office. For a list of compatible DSM® transmitters, please visit [www.bindnfly.com](http://www.bindnfly.com).

## Preparing the Mach 25™ Quadcopter for Flight

1. Before each flight, ALWAYS power on the transmitter before connecting the flight battery to the control unit. After each flight, disconnect the flight battery from the control unit before powering off the transmitter.

**NOTICE:** Connecting the flight battery before powering on the transmitter can start the binding process. Please see the *Transmitter and Receiver Binding* section of this manual for more information.

2. When the ESC beeps, the control unit is initialized and ready for flight.

The control unit will not arm the motors until the throttle stick is in the lowest possible position and the throttle trim is at the middle or a lower than middle position.

## Using the 25mW Micro Camera

Consult local laws and ordinances before operating FPV equipment. In some areas, FPV operation may be limited or prohibited. You are responsible for operating this product in a legal and responsible manner.

1. Power on your radio transmitter, then power on the aircraft. Wait for the initialization tones. The 25mW Micro Camera will automatically power on when the battery is connected to the Mach 25.
2. Power on the headset to make sure the channel is clear.
3. Perform a range test before flying.

**NOTICE:** You can only enter Channel Changing Mode prior to starting the motors.

4. Use the right and left sticks to select a channel according to Mode 1 or Mode 2. Normal operation resumes when the throttle is lowered.

**NOTICE:** If your radio/transmitter uses right stick throttle, use Mode 1 illustration. If your radio/transmitter uses left stick throttle, use Mode 2 illustration.

**NOTICE:** The 25mW Micro Camera range on your Quadcopter is less than your transmitter range. Ensure you have adequate camera range for filming.

**Tip:** If you are prone to motion sickness, sit in a chair. If you start to suffer from motion sickness while flying, lower your chin against your chest.

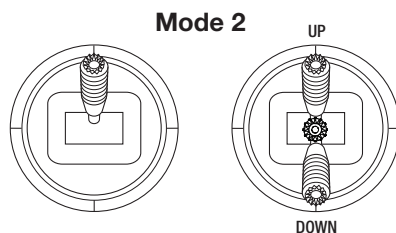
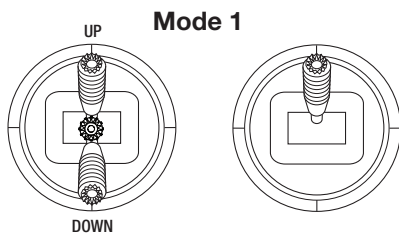
Fly in open areas, away from people, trees, cars, and buildings. The range of the system can be impacted by any obstructions blocking your signal. It is normal to see break up in the video going behind trees and other obstacles.

**Tip:** Adjust the camera angle as you see fit, using the included double-sided foam tape.

### Spektrum Ultra Micro FPV Transmitter Channels

Channel 1	5740 MHz
Channel 2	5760 MHz
Channel 3	5780 MHz
Channel 4	5800 MHz
Channel 5	5820 MHz
Channel 6	5840 MHz
Channel 7	5860 MHz

These frequencies are compatible with Band F / Fatshark / Immersion RC / Airwave.





# Flying the Mach 25™ Quadcopter

## Takeoff

When you are prepared to fly, start the motors by moving both sticks to the bottom inside corners, then back to center. Increase the throttle until the model is approximately 2 ft. (600mm) off the ground and check the trim so the model flies as desired. Once the trim is adjusted, begin flying the model.

Typical flight times for the included battery range from 5–7 minutes.

## Low Voltage Cutoff (LVC)

LVC decreases the power to the motors when the battery voltage gets low. When the motor power decreases and the LEDs blink, land the aircraft immediately and recharge the flight battery.

LVC does not prevent the battery from over-discharge during storage.

**NOTICE:** Repeated flying to LVC will damage the battery.

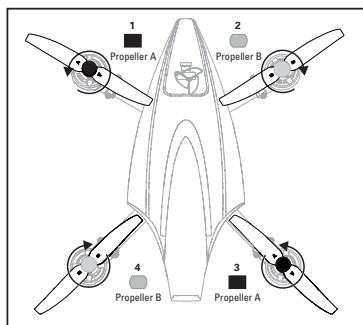
## Landing

To land, slowly decrease the throttle while in a low-level hover. After landing, activate the throttle cut feature to shut off the motors; disconnect and remove the battery from the aircraft after use to prevent over discharge. During storage, make sure the battery charge does not fall below 3V per cell.

## Post-Flight Inspection and Maintenance Checklist

✓	
<b>Cleaning</b>	Make sure the battery is not connected before cleaning. Remove dust and debris with a soft brush or a dry, lint-free cloth.
<b>Motors</b>	Replace the motor when the model will not fly steady or veers off when doing a climb out.
<b>Wiring</b>	Make sure the wiring does not block moving parts. Replace damaged wiring and loose connectors.
<b>Fasteners</b>	Make sure there are no loose screws, other fasteners or connectors. Do not over-tighten metal screws in plastic parts. Tighten screws so the parts are mated together, then turn the screw only 1/8th of a turn more. Do not use threadlock on or near plastic parts.
<b>Propellers</b>	Make sure there is no damage to the propellers or other parts that move at high speed. Damage to these parts includes cracks, burrs, chips or scratches. Replace damaged parts before flying.

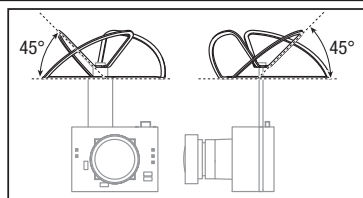
## Installing the Propellers



## Caring for the Video Transmitter Antenna

If your video transmitter antenna gets bent or flattened as a consequence of a hard landing, bend the antenna so the lobes are at a 45° angle to the bottom plane of the antenna, as shown at the right.

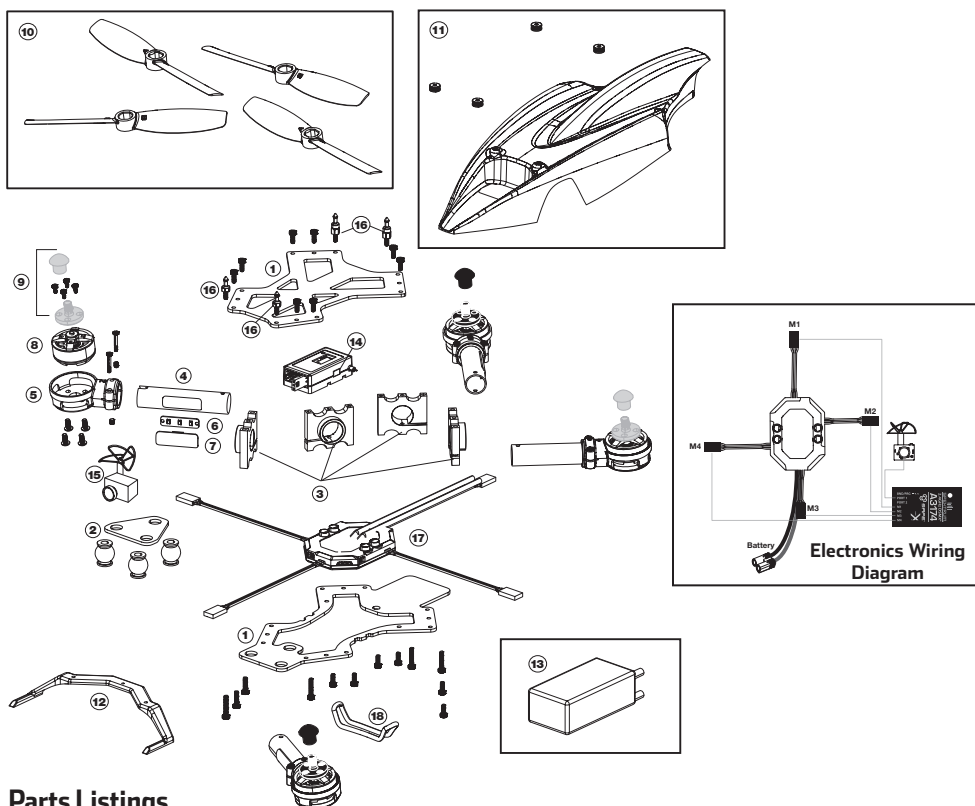
**NOTICE:** A bent or broken antenna will adversely affect camera use.



## Troubleshooting Guide

Problem	Possible Cause	Solution
Quadcopter control response is inconsistent or requires extra trim to neutralize movement	Quadcopter not initialized on a level surface	Disconnect the flight battery, center the control trim and re-initialize the quadcopter
	Battery not correctly placed in battery slot	Adjust battery position so quadcopter balances in the center of the frame
Quadcopter control is mixed, roll with pitch input or pitch with roll input	Vibration affecting the receiver	Check for and replace any damaged parts Tighten any loose fasteners
	Receiver is not aligned correctly to the quadcopter frame	Align the receiver to the quadcopter frame, with the label facing up and the connection pins facing forward
Quadcopter will not respond to throttle	Throttle too high and/or throttle trim is too high	Reset controls with the throttle stick and throttle trim at the lowest setting
	Quadcopter moved during initialization	Disconnect the flight battery and re-initialize the quadcopter while keeping the quadcopter from moving
	Throttle channel is reversed AUX 1 reversed or not set properly prevents the motors from starting	Disconnect flight battery, reverse the throttle channel on the transmitter, reconnect flight battery
Quadcopter does not function and smells burnt after connecting the flight battery	Flight battery connected with the wrong polarity	Replace the 4-in-1 board. Connect the flight battery noting proper polarity
Quadcopter has reduced flight time or is underpowered	Flight battery charge is low	Completely recharge the flight battery
	Inadequate power to flight battery charger	Use a different power source for the charger
	Flight battery is damaged	Replace the flight battery and follow the flight battery instructions
	Flight conditions might be too cold	Make sure the battery is warm (room temperature) before use
Difficulty binding	Transmitter too near aircraft during binding process	Power off the transmitter. Move the transmitter a larger distance from the aircraft. Disconnect and reconnect the flight battery to the Quadcopter. Follow the binding instructions
	Bind switch or button was not held while transmitter was powered on	Power off transmitter and repeat bind process
	Quadcopter or transmitter is too close to large metal object, wireless source or another transmitter	Move quadcopter and transmitter to another location and attempt binding again
Difficulty connecting (after binding)	Less than a 5-second wait between first powering on the transmitter and connecting the flight battery to the quadcopter	Leave the transmitter powered on. Disconnect and reconnect the flight battery to the quadcopter
	The quadcopter is bound to a different model memory (ModelMatch™ transmitters only)	Select the correct model memory on the transmitter. Disconnect and reconnect the flight battery to the quadcopter
	Flight battery or transmitter battery charge is too low	Replace or recharge batteries
	Quadcopter or transmitter is too close to large metal object, wireless source or another transmitter	Move quadcopter and transmitter to another location and attempt connecting again
Crashes immediately upon lift-off	Propellers in wrong locations or incorrect flight mode selected	Ensure propeller direction and motor direction are correct
	Aileron, elevator or rudder are reversed in the transmitter	Ensure aileron, elevator or rudder are not reversed

## Exploded View



## Parts Listings

Part #	Description
1	BLH8901 Frame Set: Mach 25 FPV
2	BLH8902 Camera Mount: Mach 25 FPV
3	BLH8903 Arm Clamp (4): Mach 25 FPV
4	BLH8904 Arms (4): Mach 25 FPV
5	BLH8905 Motor Mounts: Mach 25 FPV
6	BLH8906 LED Set: Mach 25 FPV
7	BLH8907 LED Cover Set (4): Mach 25 FPV
8	BLH8908 Brushless Motor; 2300 KV: Mach 25 FPV
9	BLH8909 Self-Tightening Prop Adapter Set: Mach 25 FPV

Part #	Description
10	BLH8910 Propeller Set: Mach 25 FPV
11	BLH8911 Body Set: Mach 25 FPV
12	BLH8912 Landing Gear: Mach 25 FPV
13	EFLB13503S30 1350mAh 3S 11.1V 30C LiPo
14	SPMA3174 SAFE Receiver
15	SPMVA2500 25mw micro camera
16	BLH8913 Body Post/Grommet Set: Mach 25
17	BLH8914 Castle 4-n-1 ESC
18	BLH8915 Battery O-Ring/Camera Mount Tensioner

## Optional Parts

Part #	Description
EFLC3025/AU/EU/UK	Celectra 80W AC/DC Multi-Chemistry Battery Charger (Based upon your sales region)
SPMVR1100	Fat Shark Headset
SPMA3032	Foam Gyro Tape
	DX6 DSMX 6-Channel Transmitter Only

Part #	Description
	DX6i DSMX 6-Channel Transmitter Only
	DX7 DSMX 7-Channel Transmitter Only
	DX8 DSMX 8-Channel Transmitter Only
	DX9 DSMX 9-Channel Transmitter Only
	DX18 DSMX 18-Channel Transmitter Only

## Limited Warranty

### What this Warranty Covers

Horizon Hobby, LLC (Horizon) warrants to the original purchaser that the product purchased (the "Product") will be free from defects in materials and workmanship at the date of purchase.

### What is Not Covered

This warranty is not transferable and does not cover (i) cosmetic damage, (ii) damage due to acts of God, accident, misuse, abuse, negligence, commercial use, or due to improper use, installation, operation or maintenance, (iii) modification of or to any part of the Product, (iv) attempted service by anyone other than a Horizon Hobby authorized service center, (v) Product not purchased from an authorized Horizon dealer, (vi) Product not compliant with applicable technical regulations, or or (vii) use that violates any applicable laws, rules, or regulations. OTHER THAN THE EXPRESS WARRANTY ABOVE, HORIZON MAKES NO OTHER WARRANTY OR REPRESENTATION, AND HEREBY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE PURCHASER ACKNOWLEDGES THAT THEY ALONE HAVE DETERMINED THAT THE PRODUCT WILL SUITABLY MEET THE REQUIREMENTS OF THE PURCHASER'S INTENDED USE.

### Purchaser's Remedy

Horizon's sole obligation and purchaser's sole and exclusive remedy shall be that Horizon will, at its option, either (i) service, or (ii) replace, any Product determined by Horizon to be defective. Horizon reserves the right to inspect any and all Product(s) involved in a warranty claim. Service or replacement decisions are at the sole discretion of Horizon. Proof of purchase is required for all warranty claims. SERVICE OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY.

### Limitation of Liability

HORIZON SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, LOSS OF PROFITS OR PRODUCTION OR COMMERCIAL LOSS IN ANY WAY, REGARDLESS OF WHETHER SUCH CLAIM IS BASED IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR ANY OTHER THEORY OF LIABILITY, EVEN IF HORIZON HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. 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 the Product, purchaser is advised to return the 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). This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Horizon reserves the right to change or modify this warranty at any time without notice.

### WARRANTY SERVICES

#### Questions, Assistance, and Services

Your local hobby store and/or place of purchase cannot provide warranty support or service. Once assembly, setup or use of the Product has been started, you must contact your local distributor or 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 visit our website at [www.horizonhobby.com](http://www.horizonhobby.com), submit a Product Support Inquiry, or call the toll free telephone number referenced in the Warranty and Service Contact Information section to speak with a Product Support representative.

### Inspection or Services

If this Product needs to be inspected or serviced and is compliant in the country you live and use the Product in, please use the Horizon Online Service 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 Service Request is available at <http://www.horizonhobby.com/content/service-center-render-service-center>. 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 service. 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 LiPo batteries to Horizon. If you have any issue with a LiPo battery, please contact the appropriate Horizon Product Support office.**

### Warranty Requirements

**For Warranty consideration, you must include your original sales receipt verifying the proof-of-purchase date.**

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

### Non-Warranty Service

**Should your service not be covered by warranty, service 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 service you are agreeing to payment of the service without notification. Service estimates are available upon request. You must include this request with your item submitted for service. Non-warranty service 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 cashier's checks, as well as Visa, MasterCard, American Express, and Discover cards. By submitting any item to Horizon for service, you are agreeing to Horizon's Terms and Conditions found on our website <http://www.horizonhobby.com/content/service-center-render-service-center>.

**ATTENTION: Horizon service is limited to Product compliant in the country of use and ownership. If received, a non-compliant Product will not be serviced. Further, the sender will be responsible for arranging return shipment of the un-serviced Product, through a carrier of the sender's choice and at the sender's expense. Horizon will hold non-compliant Product for a period of 60 days from notification, after which it will be discarded.**

## Warranty and Service Contact Information

Country of Purchase	Horizon Hobby	Contact Information	Address
United States of America	Horizon Service Center (Repairs and Repair Requests)	servicecenter.horizonhobby.com/RequestForm/	4105 Fieldstone Rd Champaign, Illinois, 61822 USA
	Horizon Product Support (Product Technical Assistance)	productsupport@horizonhobby.com 888-959-2304	
	Sales	sales@horizonhobby.com 888-959-2304	
United Kingdom	Service/Parts/Sales: Horizon Hobby Limited	sales@horizonhobby.co.uk	Units 1-4 , Ployters Rd, Staple Tye Harlow, Essex, CM18 7NS, United Kingdom
		+44 (0) 1279 641 097	
Germany	Horizon Technischer Service Sales: Horizon Hobby GmbH	service@horizonhobby.de	Christian-Junge-Straße 1 25337 Elmshorn, Germany
		+49 (0) 4121 2655 100	
France	Service/Parts/Sales: Horizon Hobby SAS	infofrance@horizonhobby.com	11 Rue Georges Charpak 77127 Lieusaint, France
		+33 (0) 1 60 18 34 90	
China	Service/Parts/Sales: Horizon Hobby – China	info@horizonhobby.com.cn	Room 506, No. 97 Changshou Rd. Shanghai, China 200060
		+86 (021) 5180 9868	

## FCC Statement

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.



**CAUTION:** Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This product contains a radio transmitter with wireless technology which has been tested and found to be compliant with the applicable regulations governing a radio transmitter in the 2.400GHz to 2.4835GHz frequency range.

## IC Information

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

## Compliance Information for the European Union

**CE EU Compliance Statement:** Horizon Hobby, LLC hereby declares that this product is in compliance with the essential requirements and other relevant provisions of the R&TTE and EMC Directive.

A copy of the EU Declaration of Conformity is available online at:  
<http://www.horizonhobby.com/content/support-render-compliance>.

## 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 make sure 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.

