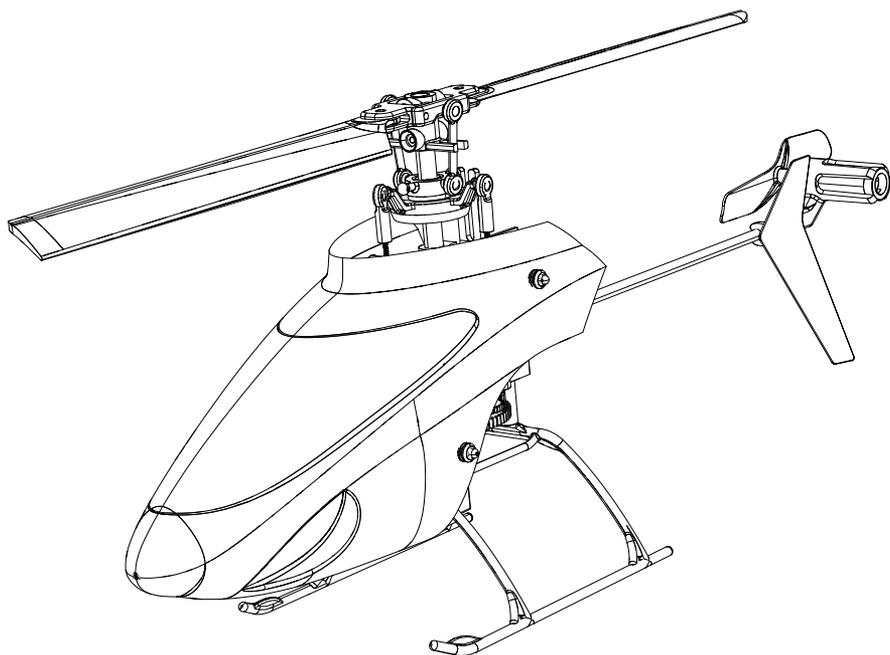


BLADE[®]
#1 BY DESIGN

mSR X



RTF
READY-TO-FLY

BNF[™]
BASIC

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 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 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.

Safety Precautions and Warnings

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.
- 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.

Introduction

Thank you for purchasing the Blade® mSR X! The mSR X utilizes the AS3X™ flybarless system, providing advanced 3-axis gyro stabilization for stability and cyclic response unmatched in any other ultra micro fixed-pitch heli. In addition to lower weight and increased battery performance, the mSR X includes a more powerful main motor and powerful tail motor for great performance and superior tail authority whether you fly indoors or out.

Read this manual thoroughly before your first flight. This manual contains important pre-flight information to help ensure your first flight is a great one.

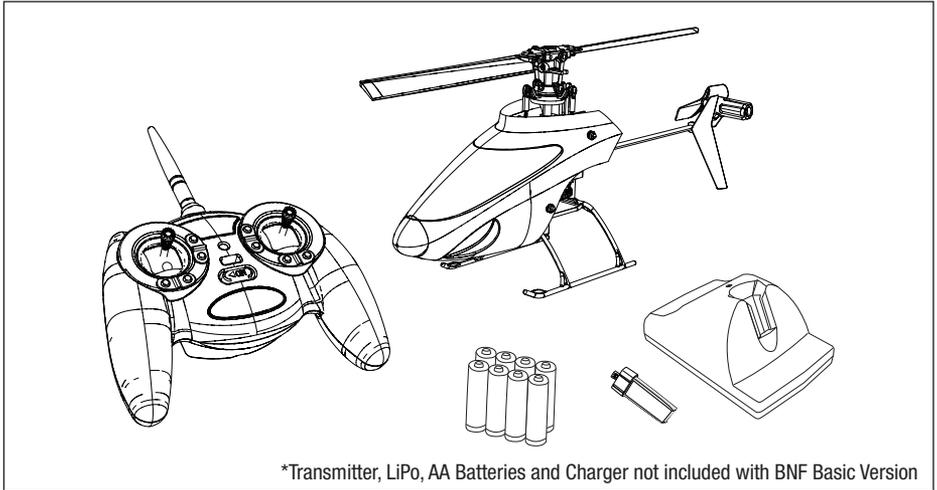


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RTF
BLH3200

BNF
BASIC
BLH3250

Blade mSR X Specifications	
Length	189mm (7.4 in)
Height	83mm (3.2 in)
Main Rotor Diameter	181mm (7.1 in)
Tail Rotor Diameter	37mm (1.5 in)
Gross Weight	31 g (1.1 oz)

To register your product online,
visit www.bladehelis.com

Battery Warnings and Guidelines

The Battery Charger (EFLC1000) included with the Blade mSR X 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 USE AN 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 exceed the recommended charge rate.
- Never discharge Li-Po cells to below 3V under load.
- Never cover warning labels with hook and loop strips.



WARNING: For AC operation, only use an E-flite 6V power supply with this charger. DO NOT use a 12V power supply or property damage and injury could occur.

Low Voltage Cutoff (LVC)

When a Li-Po battery is discharged below 3V, the battery may become damaged and may no longer accept a charge. The mSR X 4-in-1 control unit protects the flight battery from over-discharge using Low Voltage Cutoff (LVC). Before the battery charge decreases too much, LVC reduces power supplied to the motor. Power to the motor decreases and the LED on the 4-in-1 control unit blinks, showing some battery power is reserved for flight control and safe landing.

When the motor power decreases, 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.

NOTICE: Repeated flying to LVC will damage the battery.

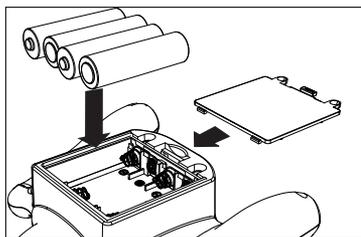
AS3X Flybarless Helicopter Technology

The Blade mSR X features on-board AS3X flybarless technology, first designed for the Blade mCP X. AS3X technology combines 3-axis gyro stabilization with a new flybarless fixed-pitch rotor head, resulting in less drag, fewer parts and increased performance.

The AS3X technology also improves tracking, stability and cyclic response for intermediate and advanced pilots. However, the AS3X flybarless system is not a flying aid for beginners.

Installing the Transmitter Batteries

Install AA batteries into transmitter, noting polarity. Replace the transmitter batteries when the power LED flashes and the transmitter beeps.

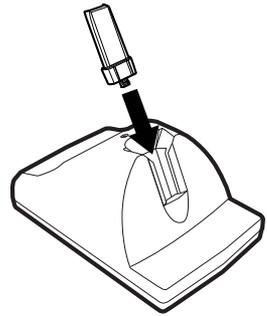


Battery Charging

E-flite® 1-Cell 3.7V Variable Rate 0.3A DC Li-Po Charger (EFLC1000)

Instructions:

1. Charge only batteries that are cool to the touch and are not damaged. Look at the battery to make sure it is not damaged e.g., swollen, bent, broken or punctured.
2. Remove the cover on the bottom of the charger and install four of the included AA batteries, noting proper polarity. Replace the cover after the AA batteries are installed.
3. Slide the battery into the slot on the charger. The end cap of the battery is specifically designed to allow the battery to fit into the slot one way (usually with the label on the battery facing outward) to prevent reverse polarity connection. However, check for proper alignment and polarity before proceeding to the next step.
4. Gently press the battery and its connector into the charge jack/connector located at the bottom of the slot in the charger.
5. When you make the connection successfully, the LED on the charger turns solid red, indicating charging has begun.
6. Charging a fully discharged (not over-discharged) 150mAh battery takes approximately 20–30 minutes. As the battery nears full charge, the LED begins to blink.
7. When the battery is fully charged, the LED blinks approximately every 20 seconds or goes out entirely.
If the LED stays on when the battery is removed, the AA batteries in the charger are low.
8. Always unplug the battery from the charger immediately upon completion of charging.



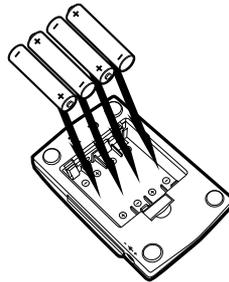
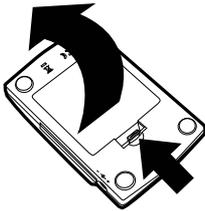
NOTICE: Only use the included charger. For DC charger operation (AA batteries): only use alkaline AA batteries to power the charger. Do not use rechargeable AA batteries.



CAUTION: NEVER attempt to power the charger from an AC outlet without the use of a proper AC to DC adapter/power supply.



CAUTION: DO NOT connect charged or discharged Li-Po batteries if the power supply is connected to the charger while the power supply is not connected to a power source. Doing so will discharge and possibly damage the batteries.



First Flight Preparation

- Remove and inspect contents
- Begin charging the flight battery
- Install four AA batteries in the transmitter **(RTF ONLY)**
- Install the flight battery in the helicopter (once it has been fully charged)
- Program and bind your transmitter **(BNF BASIC ONLY)**
- Test the controls and motors
- Familiarize yourself with the controls
- Find a suitable area for flying

Flying Checklist

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

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™ or JR® DSM® technology equipped aircraft transmitter to the receiver for proper operation. If you purchased an RTF model, the transmitter is bound to the model at the factory.

To bind or re-bind your heli to your chosen transmitter, please follow the directions below:

General Binding Procedure

1. Disconnect the flight battery from the helicopter.
2. Select a clean model memory on your transmitter (computer radios only).
3. Select Acro or Airplane model type on your transmitter.
4. Make sure all servo reversing is set to Normal on your transmitter.
5. Center all trims and make sure sub-trims are disabled (zeroed) on your transmitter.
6. Power off the transmitter and move all switches to the 0 position. Move the throttle to the low/off position.
7. Connect the flight battery in the helicopter. The LED on the 4-in-1 control unit flashes after 5 seconds.
8. Put the transmitter into bind mode while powering on the transmitter.
9. Release the bind button or switch on your transmitter after 2–3 seconds. The helicopter is bound when the blue LED on the 4-in-1 control unit is solid.
10. Disconnect the flight battery and power the transmitter off.

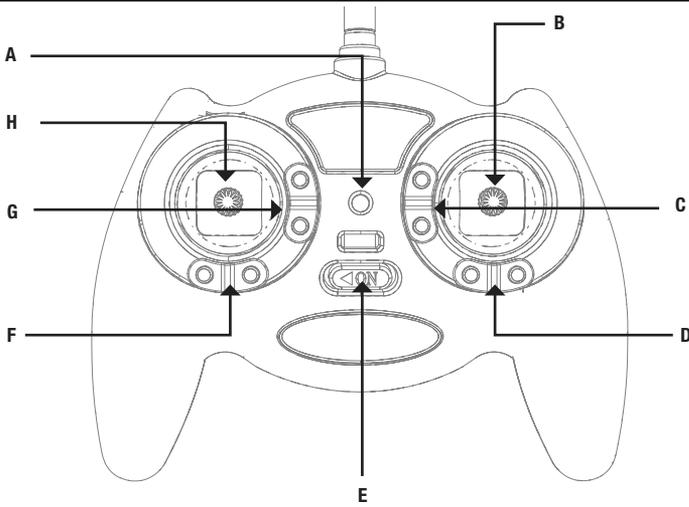
NOTICE: Futaba transmitters (equipped with Spektrum modules) may require you to reverse the throttle channel.

MLP4DSM Binding Procedure

1. Disconnect the flight battery from the helicopter.
2. Center all trims on your transmitter (refer to transmitter control section below for trim instructions).
3. Power off the transmitter and move the throttle stick to the down/off position.
4. Connect the flight battery in the helicopter. The LED on the 4-in-1 Control unit flashes after 5 seconds.
5. Push in hard and hold down the left stick while powering on the transmitter (you will hear a mechanical 'click' when pushing in the stick).
6. Release the left stick. The transmitter will beep and the power LED will blink.
7. The helicopter is bound when the blue LED on the 4-in-1 unit is solid.
8. Disconnect the flight battery and power the transmitter off.

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.

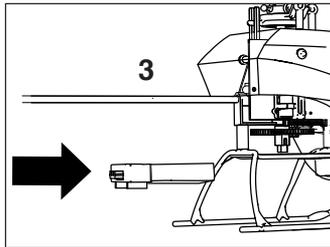
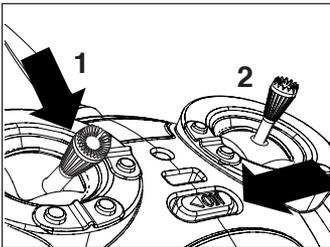
Transmitter Control



NOTICE: When pressed down, trim buttons make a sound that increases or decreases in pitch at each pressing. The middle or neutral trim position is heard as a middle tone in the pitch range of the sounds. The end of the control range is sounded by a series of beeps.

	A	B	C	D	E	F	G	H
Mode 1	Power LED	Aileron (Left/Right) Throttle (Up/Down)	Throttle Trim	Aileron Trim	ON/OFF Switch	Rudder Trim	Elevator Trim	Rudder (Left/Right) Elevator (Up/Down)
Mode 2	Power LED	Aileron (Left/Right) Elevator (Up/Down)	Elevator Trim	Aileron Trim	ON/OFF Switch	Rudder Trim	Throttle Trim	Rudder (Left/Right) Throttle (Up/Down)

Installing the Flight Battery



1. Lower the throttle to the lowest setting.
2. Power on the transmitter.
3. Install the battery in the helicopter by sliding it into the battery mounting supports/slots just below the main gears. Slide the battery into the slots with the label facing downward and the connector oriented toward the back of the helicopter.
4. Connect the battery cable to the 4-in-1 control unit.

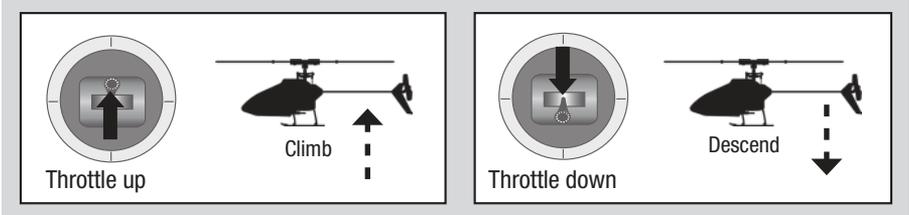
NOTICE: Do not allow the helicopter to move until the blue LED on the 4-in-1 control unit is solid.

CAUTION: Always disconnect the Li-Po battery from the aircraft ESC 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.

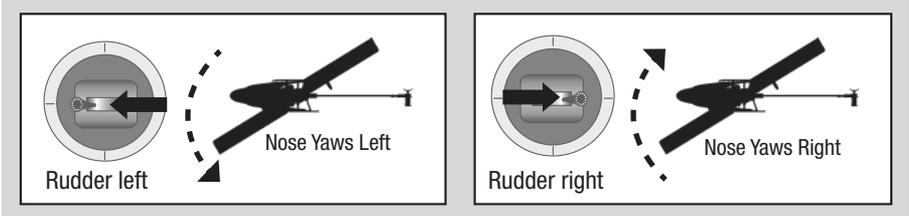
Understanding the Primary Flight Controls

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

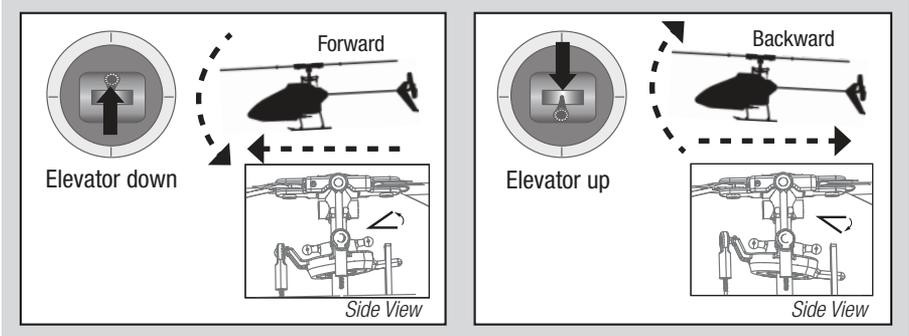
Throttle



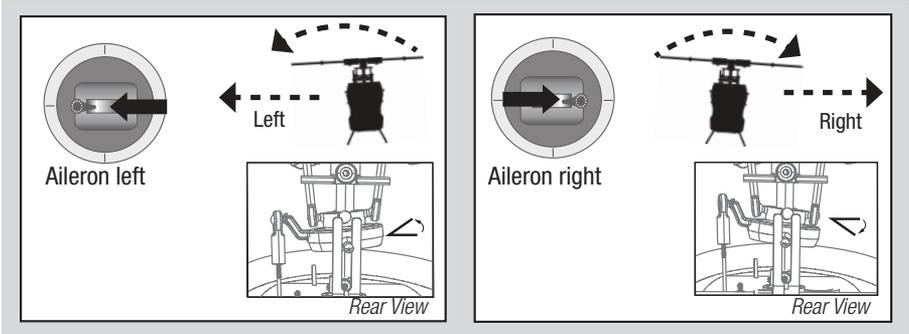
Rudder



Elevator



Aileron



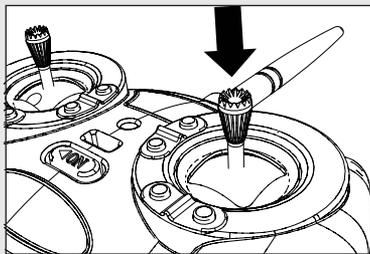
Transmitter Dual Rates

Your Blade® mSR X transmitter features dual rate flight controls (High and Low Rates) for aileron, elevator and rudder. High Rates allow the helicopter controls to reach their maximum values. Low Rates reduces the control response (recommended for first-time use).

When the transmitter is first powered on it will be in the high-rate mode. You can tell you are in the high-rate mode when the LED on the transmitter glows solid red. In the high-rate mode the controls are allowed to reach their maximum values, which is typically preferred by experienced pilots interested most in maximum control authority.

By pushing in on the right-hand stick while in the high-rate mode, you can enter the low-rate mode. You can tell you are in the low-rate mode when the LED on the transmitter blinks continuously. The low-rate mode is typically preferred by (and best for) first-time, low-time and other pilots interested most in a reduced amount of control that allows for smoother and more easily controlled hovering and flying.

NOTICE: You may be required to make slight trim changes when switching back and forth between low and high rates. The transmitter shortly beeps when switching between the two rates.



Flying the mSR X

Consult local laws and ordinances before choosing a location to fly your aircraft. Select a large, open area away from people and objects. The Blade mSR X can fly indoors in a gymnasium, or outdoors in low winds.

NOTICE: Please take a few minutes to familiarize yourself with the Blade® mSR X primary controls before attempting your first flight.

Takeoff

Quickly increase throttle and allow the helicopter time to increase the rotor head speed. Establish a hover at least 18" (0.5 meter) high, outside of ground effect.



CAUTION: Do not give any aileron, elevator or rudder commands before takeoff or the helicopter may crash during takeoff.

Flying

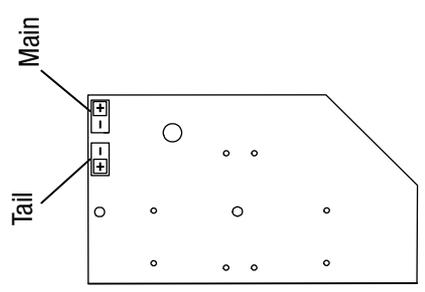
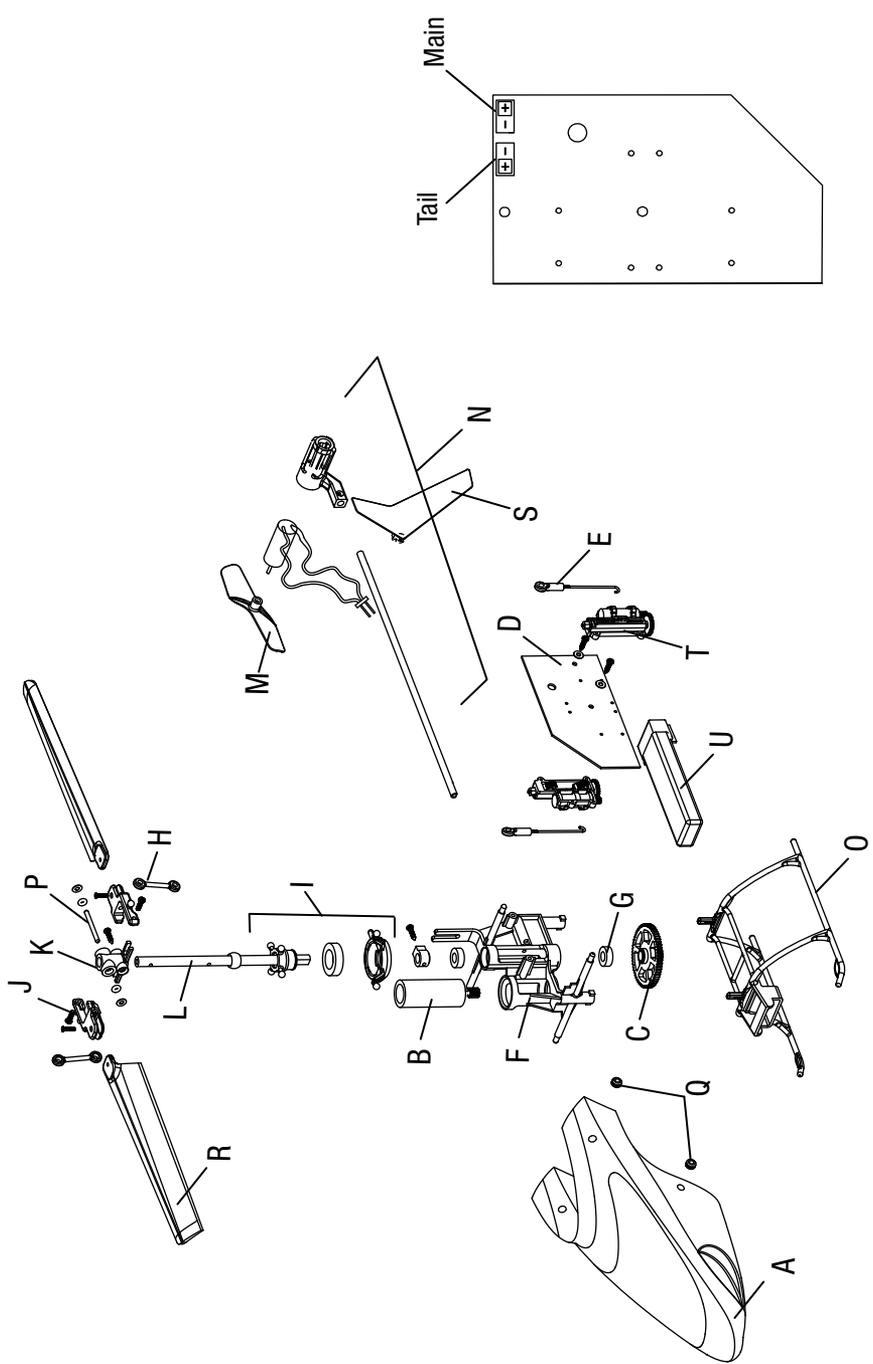
The helicopter lifts off the ground when the rotor head reaches a suitable speed. Establish a low-level hover to verify proper operation of your helicopter. Avoid using excessive sub-trim or trim on aileron, elevator and rudder. Setting trim can cause an unwanted drift or rotation of the helicopter.

Familiarize yourself with your mSR X in low rate mode. Discover the rates that fit your flying style.

NOTICE: Always fly the helicopter with your back to the sun to prevent loss of flight control.

Landing

Establish a hover at least 18" (0.5 meter) high, outside of ground effect. Quickly lower the throttle until the helicopter lands. Do not give any aileron, elevator or rudder commands when the helicopter is landing.



Exploded View and Parts Listings

Part #	Description	Part #	Description
A	BLH3218 Complete Red-White Canopy w/ Vertical Fin: mSR X	N	BLH3202 Tail Boom Assembly with Motor/ Rotor/Mount: mSR X
B	BLH3203 Coreless Main Motor w/ Pinion: mSR X	O	BLH3204 Landing Skid and Battery Mount: mSR X
C	BLH3506 Main Gear: mSR/X, mCP X	P	BLH3213, EFLH3013 Feathering Spindle w/O-Rings and Bushings: mSR/X
D	BLH3201 4-in-1 Control Unit, RX/Gyro/ Servos/ESCs: mSR X	Q	BLH3521, EFLH3021 Canopy MntngGrommet(8):m CX 2/T, mSR/X,FHX,MH-35, mCP X
E	BLH3208 Servo Push Rods w/Ball Link (2): mSR X	R	BLH3216 Main Rotor Blades w/ Hardware (2): mSR X
F	BLH3205 Main Frame with Hardware: mSR X	S	BLH 3220RW Vertical Fin, Red-White: mSR X
G	BLH3515, EFLH2215 OuterShaft Bearing 3x6x2mm(2): mCX/2/mSR/X,FHX,mSR X	T	SPM6836 Servo Mechanics 2.3 g
H	BLH3215, EFLH3015 Rotor Head Linkages (4): mSR/X	U	EFLB 1501S25 150mAh 1S 3.7V 25C Li-Po Battery
I	BLH3209 Complete Precision Swashplate: mSR X		BLH3222 Hardware Set: mSR X
J	BLH3214 Main Blade Grips w/Hardware (2): mSR X		EFLH 1064B Blade MLP4DSM 4-Channel Transmitter, 2.4GHz: mCX2, 120SR, mSR X (Mode 2)
K	BLH3212 Main Rotor Hub w/Hardware: mSR X		EFLH 10641 MLP4DSM 4-Channel Transmitter, 2.4GHz Mode 1: mCX, mSR/X
L	BLH3207 Carbon Fiber Main Shaft w/Collar & Hardware: mSR X		EFLC1000 1-Cell 3.7V 0.3A DC Li-Po Charger
M	BLH3217, EFLH3017 Tail Rotor: mSR/X		

Optional Parts

Part #	Description	Part #	Description
BLH3218R	Complete Red Canopy w/ Vertical Fin: mSR X	EFLC 1005UK	AC to 6VDC 1.5-Amp Power Supply (UK)
BLH3216GL	Main Rotor Blades w/Hardware, Glow in Dark (2): mSR X	EFLC 1005EU	AC to 6VDC 1.5-Amp Power Supply (EU)
BLH3220GL	Vertical Fin, Glow in Dark: mSR/X	EFLC 1005AU	AC to 6VDC 1.5-Amp Power Supply (AU)
BLH3217GL	Tail Rotor, Glow in Dark: mSR/X	EFLC1006	Celectra 1S 3.7 Variable Rate DC Li-Po Charger
BLH3204GL	Landing Skid and Battery Mount, Glow in Dark: mSR X	EFLC1004	Celectra 4 port charger
BLH3205GL	Main Frame w/Hardware, Glow in Dark: mSR X	EFLC 1004AC	Celectra 4-Port Charger with AC Adapter Combo (US)
BLH3216OR	Main Rotor Blades, Orange (2): mSR X	PKZ3052	Battery connector w/ wire
BLH3217OR	Tail Rotor, Orange: mSR/X	EFLH3023	mSR Training Gear
BLH3216RE	Main Rotor Blades, Red (2): mSR X	BLH3235	Complete EC120B Body Set: mSR X
BLH3217RE	Tail Rotor, Red: mSR/X		DX5e DSMX 5-Channel Transmitter Only
EFLC1005	AC to 6VDC 1.5-Amp Power Supply (US)		

Troubleshooting Guide

Problem	Possible Cause	Solution
Helicopter will not initialize	Throttle at high position	Reset controls with throttle stick at lowest position, and throttle trim at center or lowest setting
	On computer radios, switches not in normal position	Set flight mode to OFF/0 and switch throttle hold off
	Throttle servo reversing improperly configured	Correct servo reversing Refer to your transmitter manual
Helicopter will not spool up	Low flight battery voltage	Completely recharge flight battery
Motor power decreases during flight	Receiver uses default soft Low Voltage Cutoff (LVC)	Recharge flight battery or replace flight battery that is no longer performing. Replace charger batteries (included charger only).
Climb out rate is greatly reduced	Main gear has slipped on the main shaft.	Push main gear back up into position.
Poor tail authority	Tail boom is cracked	Replace tail boom
	The tail rotor blade is warped or bent.	Twist rotor blade back into position or replace.
LED on receiver flashes rapidly and aircraft will not respond to transmitter (during binding).	Aircraft not bound to transmitter	Bind transmitter to aircraft receiver
	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.
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
Helicopter vibrates or shakes in flight	Damaged rotor blades, spindle or blade grips	Check main rotor blades and blade grips for cracks or chips. Replace damaged parts. Replace bent spindle.

Limited Warranty

What this Warranty Covers

Horizon Hobby, Inc. ("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, or (v) Products not purchased from an authorized Horizon dealer.

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 direct your email to productsupport@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 Services

If this Product needs to be inspected or serviced, 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> under the Support 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 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 cashiers 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/Service/Request/>.

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/service
	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	Christian-Junge-Straße 1 25337 Elmshorn Germany	+49 (0) 4121 2655 100 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
China	Horizon Hobby – China	Room 506, No. 97 Changshou Rd. Shanghai, China 200060	+86 (021) 5180 9868 info@horizonhobby.com.cn

Customer Service Information

Country of Purchase	Horizon Hobby	Address	Phone Number/Email Address
United States of America	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	Christian-Junge-Straße 1 25337 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
China	Horizon Hobby – China	Room 506, No. 97 Changshou Rd. Shanghai, China 200060	+86 (021) 5180 9868 info@horizonhobby.com.cn

FCC Information

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.

Compliance Information for the European Union

Declaration of Conformity

(in accordance with ISO/IEC 17050-1)



No. HH2011082001

Product(s): Blade mSR X RTF

Item Number(s): BLH3200

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 300-328 V1.7.1

EN 301 489-1 V1.7.1: 2006

EN 301 489-17 V1.3.2: 2008

EN 60950-1:2006+A11

EN55022: 2006,

EN55024: 1998+A1: 2001+A2: 2003

(EN61000-4-2: 2001, EN61000-4-3: 2006, EN61000-4-8: 2001)

Signed for and on behalf of:

Horizon Hobby, Inc.

Champaign, IL USA

August 20, 2011

Steven A. Hall

Vice President

International Operations and Risk Management

Horizon Hobby, Inc.

Compliance Information for the European Union

Declaration of Conformity

(in accordance with ISO/IEC 17050-1)

No. HH2011082202



Product(s): Blade mSR X BNF Basic
Item Number(s): BLH3250
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:

EN 301 489-1 V1.7.1: 2006

EN 301 489-17 V1.3.2: 2008

Signed for and on behalf of:
Horizon Hobby, Inc.
Champaign, IL USA
August 22, 2011

A handwritten signature in black ink that reads "Steven A. Hall".

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 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.

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The Spektrum trademark is used with permission of Bachmann Industries, Inc.
US patent number 7,391,320. US D578,146. PRC ZL 200720069025.2 . US 7,898,130. Other patents pending.
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