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**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 and click on the support tab for this product.

**MEANING OF SAFETY SIGNAL WORDS**

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

**NOTICE:** Instructions, which if not followed, create a possibility of property damage AND minor injury.

**CAUTION:** Instructions, which if not followed, create a probability of property damage AND a possibility of injury.

**CAUTION:** Read and follow all instructions and warnings in the manual prior to setup or use. Failure to operate the product correctly can result in damage to the product, personal property and/or injury.

This is a sophisticated hobby product. It must be operated with caution and common sense and requires some basic mechanical ability. Do not attempt disassembly, use with incompatible components or augment product in any way without the approval of Horizon Hobby, LLC.

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

**Operating Safety Precautions**

- As the user of this product, you are responsible for operating it safely, not endangering yourself and others, or damaging the product or the property of others.
- Operate your product in open spaces away from people and property.
- Never operate your product with damaged electrical components.
- Keep the transmitter powered on while model is powered on.
- Let parts cool after use before touching, motors will get hot in use.
- Remove batteries after use, as applicable.

**General Product Safety Precautions**

- Keep all batteries, chemicals, small parts and anything electrical out of the reach of children.
- Avoid water exposure to this product. Keep parts dry.
- Keep moving parts clean.

**Charging Warnings**

**WARNING:** Failure to comply with the following warnings could result in product malfunction, electrical issues, excessive heat, FIRE, and ultimately injury and property damage.

- Always use the included battery and charger. Disconnect the battery after charging.
- Charge batteries away from flammable materials in a well-ventilated area.
- Never charge, transport, or store batteries in hot, cold, or very sunny places (recommended between 40–120° F or 5–49° C).

- NEVER LEAVE CHARGING BATTERIES UNATTENDED OR CHARGE OVERNIGHT.
- Never charge damaged batteries. If the battery begins to swell during charging or use, discontinue immediately.

Components	RTF	BNF
<b>Airframe</b> – Blade <sup>®</sup> Inductrix™	<b>Included</b>	<b>Included</b>
<b>Motors</b> – 6mm Brushed	<b>Installed</b>	<b>Installed</b>
<b>On-board Electronics</b> – 3-in-1 mixer/ESCs/Gyro	<b>Installed</b>	<b>Installed</b>
<b>Battery</b> – 150mAh 1S 3.7V 25C Li-Po	<b>Included</b>	<b>Included</b>
<b>Charger</b> – 1S USB Li-Po Charger, 300 mAh	<b>Included</b>	<b>Included</b>
<b>Transmitter</b> – MLP4DSM	<b>Included</b>	<b>Required</b>

Specifications			
<b>Length</b>	3.26 in (83mm)	<b>Propeller Diameter</b>	2.56 in (65mm)
<b>Height</b>	1.10 in (28mm)	<b>Flying Weight</b>	.56 oz (16 g)

To register your product online, visit [www.bladehelis.com](http://www.bladehelis.com)

### Charge the Flight Battery

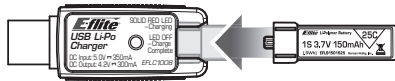
**NOTICE:** Inspect the battery to make sure it is not damaged e.g., swollen, bent, broken or punctured. Charge only batteries that are cool to the touch and are not damaged.

Insert the charger into a USB port. Connect the battery to the charger.

**CHARGING (Solid Red LED)**

**MAX CHARGE (LED OFF)**

Disconnect the flight battery from the charger immediately upon completion of charging.



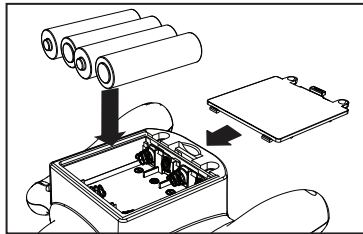
**CAUTION:** Only use chargers specifically designed to charge the included Li-Po battery. Failure to do so could result in fire, causing injury or property damage.

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

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

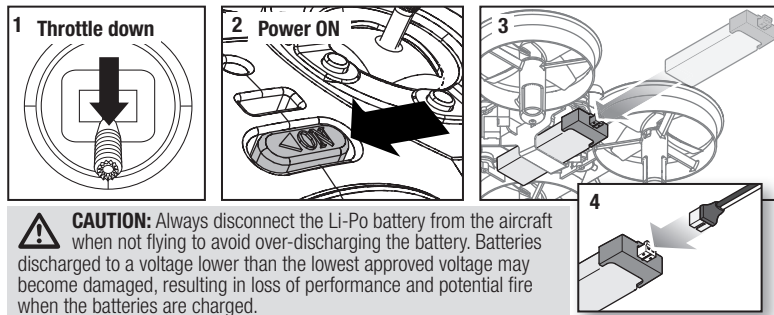
### Install the Transmitter Batteries (RTF)

Install 4 AA batteries into the transmitter, noting polarity. Replace the transmitter batteries when the power LED flashes and the transmitter beeps. We recommend using only alkaline AA batteries in the transmitter, however, it is possible to use rechargeable NiMH batteries.



**CAUTION:** If using rechargeable batteries, charge only rechargeable batteries. Charging non-rechargeable batteries may cause the batteries to burst, resulting in injury to persons and/or damage to property.

### Install the Flight Battery



**CAUTION:** Always disconnect the Li-Po battery from the aircraft 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 the batteries are charged.

### Transmitter and Receiver Binding

Your RTF transmitter comes prebound to the Inductrix. If you need to re-bind, follow the directions below.

MLP4DSM Binding Procedure (RTF)
1. Disconnect the flight battery from the quadcopter.
2. Center all trims on your transmitter.
3. Power off the transmitter and fully lower the throttle.
4. Connect the flight battery in the quadcopter. The LED on the 3-in-1 control unit flashes red during initialization, then flashes blue when it is ready to bind.
5. When the blue light is flashing, push in and hold down the left stick while powering on the transmitter (you will hear a 'click' and a long tone).
6. Release the left stick. The transmitter will beep and the power LED will blink. The quadcopter is bound when the blue LED on the 3-in-1 control unit turns solid.
7. Disconnect the flight battery and power the transmitter off.

The Inductrix™ quadcopter requires no radio-specific setup for basic flight. If you are using a computer transmitter, simply bind the quadcopter to your transmitter to a new model and with the model type set to "Acro" or "Airplane" mode.

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

General Binding Procedure (BNF)
1. Disconnect the flight battery from the quadcopter.
2. Set the model type in your transmitter settings to "Acro" mode.
3. Center all trims on your transmitter.
4. Power off the transmitter and fully lower the throttle.
5. Connect the flight battery in the quadcopter. The LED on the 3-in-1 control unit flashes red during initialization, then flashes blue when it is ready to bind.
6. Put the transmitter into bind mode while powering on the transmitter.
7. Release the bind button/switch after 2–3 seconds. The quadcopter is bound when the blue LED on the 3-in-1 control unit turns solid.
8. Disconnect the flight battery and power the transmitter off.

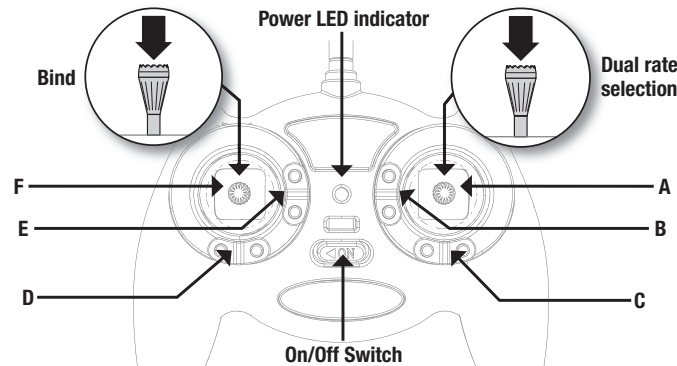
**CAUTION:** When using a Futaba<sup>®</sup> transmitter with a Spektrum module, you must reverse the throttle channel and rebind. Refer to your Spektrum module manual for binding and failsafe instructions. Refer to your Futaba transmitter manual for instructions on reversing the throttle channel.

If you encounter problems, obey the 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).

### SAFE<sup>®</sup> Technology

Revolutionary SAFE<sup>®</sup> (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 uses to maintain a safe region of bank and pitch angles so you can fly more safely.

### Transmitter Control (RTF)



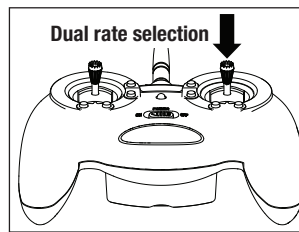
When pressed down, trim buttons make a sound that increases or decreases in pitch at each pressing. The middle or neutral trim position is heard as a middle tone in the pitch range of the sounds. The end of the control range is sounded by a series of beeps.

	A	B	C	D	E	F
<b>Mode 1</b>	<b>Aileron (Left/Right) Throttle (Up/Down)</b>	<b>Throttle Trim</b>	<b>Aileron Trim</b>	<b>Rudder Trim</b>	<b>Elevator Trim</b>	<b>Rudder (Left/Right) Elevator (Up/Down)</b>
<b>Mode 2</b>	<b>Aileron (Left/Right) Elevator (Up/Down)</b>	<b>Elevator Trim</b>	<b>Aileron Trim</b>	<b>Rudder Trim</b>	<b>Throttle Trim</b>	<b>Rudder (Left/Right) Throttle (Up/Down)</b>

### Rate Selection – RTF

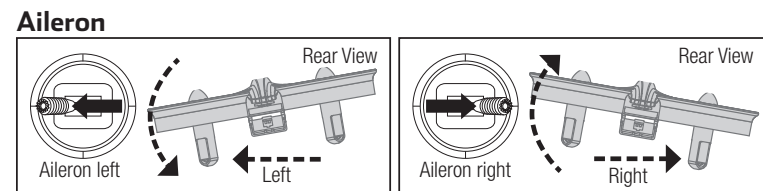
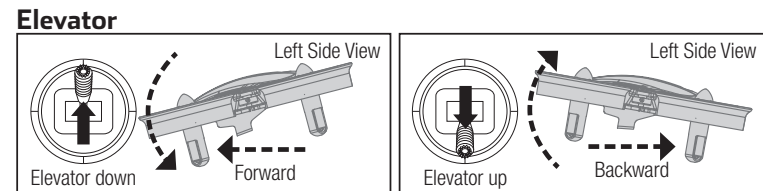
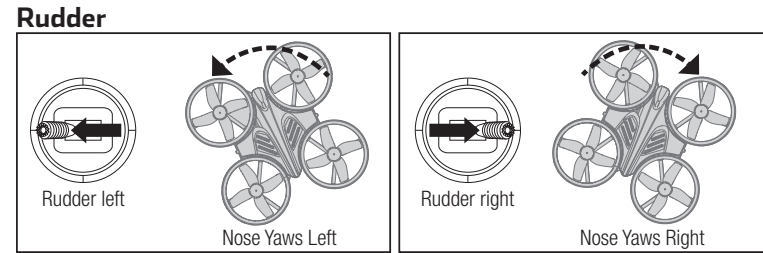
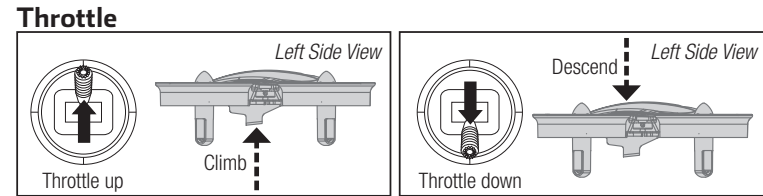
The Inductrix™ RTF quadcopter comes with the Blade<sup>®</sup> MLP4DSM transmitter.

- When powered on, this transmitter is automatically high rate.
- Change rates by pressing and releasing the right control stick.
- In low-rate mode, the quadcopter is limited to a lower bank angle and will self-level when the control sticks are released. This mode is typically preferred by pilots looking for smoother/easier control response during first time use.
- In high-rate mode, the quadcopter has a higher possible bank angle and will self-level when the control sticks are released.



### Understand the Primary Flight Controls

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



### Fly the Quadcopter

The LEDs on the Inductrix indicate the front and back of the quadcopter. The white LEDs indicate the front. The red LEDs indicate the back.

#### Takeoff

Increase the throttle until the model is approximately 2 ft. (600mm) off the ground in a low-level hover and concentrate on balancing the throttle stick's position so that the quadcopter holds a steady hover altitude. In some cases, you may need to make a few short "hops" to an altitude of just a few inches until you become familiar with the control inputs and trim settings required to maintain a steady hover and altitude.

#### Hovering

The Inductrix quadcopter requires minor throttle adjustments to maintain its altitude in hover. Remember to keep these throttle adjustments as minimal as possible. Large adjustments could result in a loss of control or a possible crash.

While attempting to establish a low-level hover, check to see if any trim adjustments are required to help keep the quadcopter from constantly drifting in various directions. If you find that it constantly drifts without any directional control input, land the model before making any adjustments to the trim settings.

- If the nose of the quadcopter rotates to the left or right, adjust the rudder trim.
- If the quadcopter continually drifts forward or backward, adjust the elevator trim.
- If the quadcopter continually drifts to the left or right, adjust the aileron trim.

Continue making minor trim adjustments until the machine hovers at a low altitude with very little drifting and directional control input. If this is your first multicopter or helicopter, seek the help of an experienced pilot to trim the model for you before making your first flight.

With your quadcopter properly trimmed and maintaining a stable low-level hover, practice using the rudder, elevator and aileron controls to familiarize yourself with the machine's responses to control inputs. Remember to keep the control inputs as minimal as possible.

**NOTICE:** Crash damage is not covered under warranty.

To prevent excessive wear to the motors, always allow the motors to cool between flights.

### Low Voltage Cutoff (LVC)

Once the battery reaches 3V under load, the ESC will continuously lower power supplied to the motor until complete shutdown occurs. This helps prevent over-discharge of the Li-Po battery. Land immediately once the ESC activates LVC. Continuing to fly after LVC can damage the battery, cause a crash or both. Crash damage and batteries damaged due to over-discharge are not covered under warranty.

Repeatedly flying the aircraft until LVC activates will damage the flight battery.

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

### Troubleshooting Guide

Problem	Possible Cause	Solution
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
Does not function and smells burnt after connecting the flight battery	Flight battery connected with the wrong polarity	Replace the 3-in-1 board. Connect the flight battery noting proper polarity
LED on receiver flashes rapidly and quadcopter will not respond to transmitter (during 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 aircraft. Follow the binding instructions
	Bind switch or button was not held while transmitter was powered on	Power off transmitter and repeat bind process
LED on the receiver flashes rapidly and the quadcopter will not respond to the transmitter (after binding)	Aircraft or transmitter is too close to large metal object, wireless source or another transmitter	Move aircraft and transmitter to another location and attempt binding again
	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
LED on the receiver flashes rapidly and the quadcopter will not respond to the transmitter (after binding)	The quadcopter is bound to a different model memory (Model-Match™ 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
Crashes immediately upon lift-off or doesn't lift off	Aircraft or transmitter is too close to large metal object, wireless source or another transmitter	Move aircraft and transmitter to another location and attempt connecting again
	Propellers in wrong locations	Make necessary adjustments

### Parts list

Part #	Description
BLH8700	Inductrix RTF
BLH8780	Inductrix BNF
BLH8701	3-in-1 Control Unit: Inductrix
BLH8702	Motor with Wire, Clockwise Rotation: Inductrix
BLH8703	Motor w/Wire, Counter-Clockwise Rotation: Inductrix
BLH8704	Canopy Set, Red & Blue: Inductrix
BLH8705	Prop Set (4), White: Inductrix
BLH8706	Main Frame: Inductrix

### 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.

### 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

**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, EMC, and LVD Directives. 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.