

**EN**

**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.

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

Components	RTF
<b>Airframe</b> – Blade® Inductrix™	<b>Included</b>
<b>Motors</b> – 6mm Brushed	<b>Installed</b>
<b>On-board Electronics</b> – 3-in-1 mixer/ESCs/Gyro	<b>Installed</b>
<b>Battery</b> – 210mAh 1S 3.7V 50C Li-Po	<b>Included</b>
<b>Charger</b> – 1S USB Li-Po Charger, 300 mAh	<b>Included</b>
<b>Transmitter</b>	<b>Included</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**

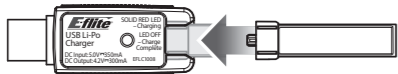
**NOTICE:** Inspect the battery to make sure it is not damaged e.g., swollen, bent, broken or punctured. Charge only batteries that are cool to the touch and are not damaged.

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.



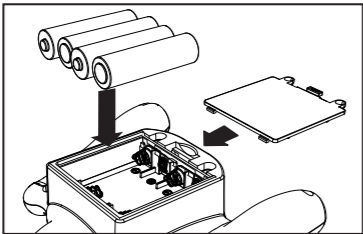
**CAUTION:** Only use chargers specifically designed to charge the included Li-Po battery. Failure to do so could result in fire, causing injury or property damage.

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

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

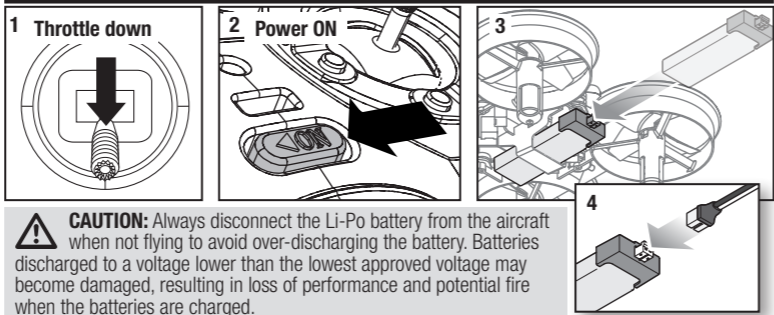
**Install the Transmitter Batteries**

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

**Transmitter Binding Procedure**

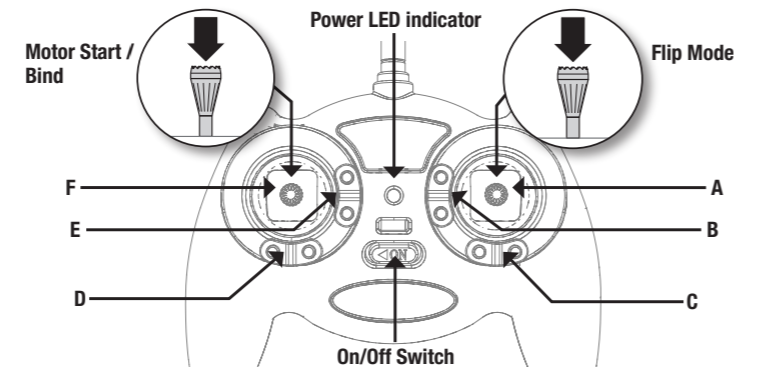
1. Disconnect the flight battery from the drone.
2. Center all trims on your transmitter.
3. Power off the transmitter and fully lower the throttle.
4. Connect the flight battery in the drone. The LED on the 3-in-1 control unit flashes red during initialization, then flashes blue when it is ready to 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 drone 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.

If you encounter problems, follow the binding instructions and refer to the troubleshooting guide for other instructions. If needed, contact the appropriate Horizon Product Support office.

**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 uses to maintain a safe region of bank and pitch angles so you can fly more safely.

**Transmitter Control**

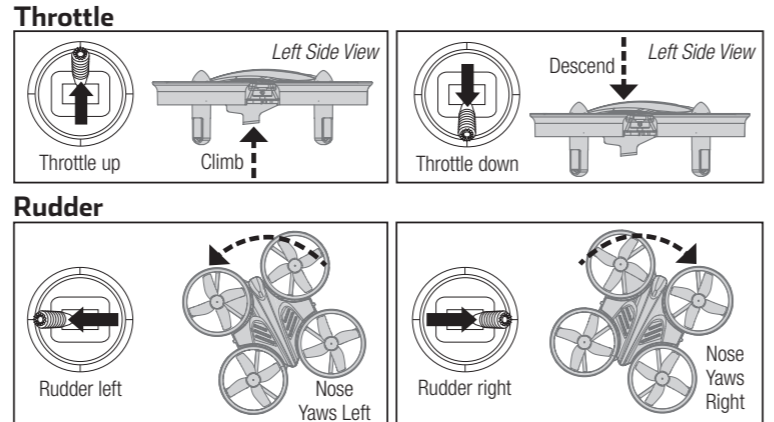


When pressed down, trim buttons make a sound that increases or decreases in pitch at each pressing. The middle or neutral trim position is heard as a middle tone in the pitch range of the sounds. The end of the control range is sounded by a series of beeps.

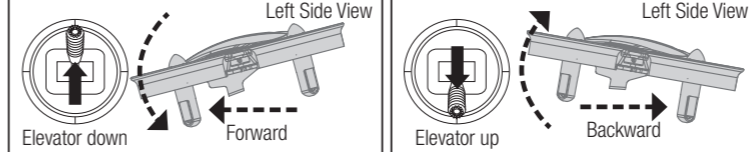
A	B	C	D	E	F
<b>Aileron (Left/Right)</b> <b>Elevator (Up/Down)</b>	<b>Elevator Trim</b>	<b>Aileron Trim</b>	<b>Rudder Trim</b>	<b>Throttle Trim</b>	<b>Rudder (Left/Right)</b> <b>Throttle (Up/Down)</b>

**Understand the Primary Flight Controls**

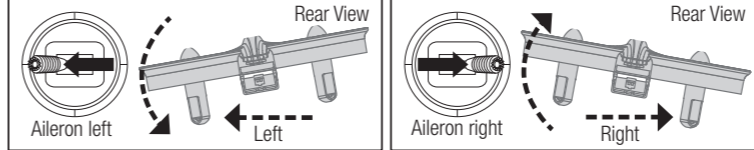
If you are not familiar with the controls of your Inductrix drone, take a few minutes to familiarize yourself with them before attempting your first flight.



**Elevator**



**Aileron**



**Fly the Drone**

The LEDs on the Inductrix indicate the front and back of the drone. The white LEDs indicate the front. The red LEDs indicate the back. Additionally, as it comes out of the box, the green props are in the front, and the white props are in the rear to aid in orientation.

- Start the motors: a "long-press" of the left stick, when the throttle is at the lowest -position.
- Within 1 second of starting the motors gently increase the position of the throttle stick and the motors will increase speed and the drone will lift-off.
- To disarm or turn off the motors, place the throttle stick at it's lowest position for at least 1 second. They will turn off. Alternatively, a long-press of the left stick will immediately turn off the motors.
- Any time the throttle stick is reduced to it's minimum position for greater than 1 second the motors will turn off automatically.

**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 drone 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**

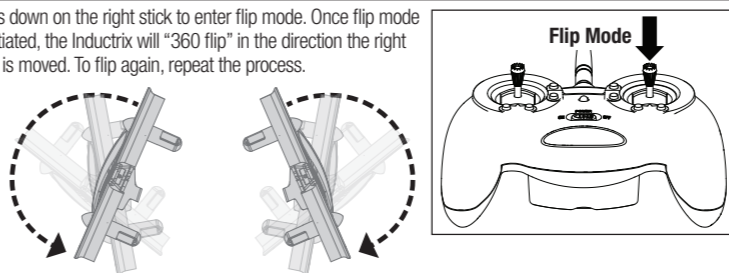
The Inductrix drone requires minor throttle adjustments to maintain its altitude in hover. Remember to keep these throttle adjustments as minimal as possible. Large adjustments could result in a loss of control or a possible crash.

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

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

**Flip Mode – 360**

Press down on the right stick to enter flip mode. Once flip mode is initiated, the Inductrix will "360 flip" in the direction the right stick is moved. To flip again, repeat the process.



**Low Voltage Cutoff (LVC)**

The transmitter included with the Inductrix uses the LED light to alert you to the charge status of the drone's flight battery. A green LED signifies a full charge, a yellow LED signifies a partial charge, and a red LED indicates that the battery is nearly depleted. At this point you should immediately land the drone and recharge the battery. Additionally, a red LED on the drone will begin flashing reminding you that the battery is depleted and will enter low-voltage cut-off soon. Once low-voltage cut-off is reached, the drone will stop powering the motors.

**Parts list**

Part #	Description
BLH08700	Inductrix
BLH08701	Main Control Board: Inductrix
BLH8702	Motor with Wire, Clockwise Rotation: Inductrix
BLH8703	Motor with Wire, Counter-Clockwise Rotation: Inductrix
BLH08704	Canopy: Inductrix
BLH08705	Prop Set: Inductrix
BLH08706	Main Frame: Inductrix
BLH08707	Motor Mount o-rings: Inductrix
SPMX2101S50	3.7v 210mAh Li-Po battery

**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 drone 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
	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
LED on the receiver flashes rapidly and the drone will not respond to the transmitter (after binding)	Less than a 5-second wait between first powering on the transmitter and connecting the flight battery to the drone	Leave the transmitter powered on. Disconnect and reconnect the flight battery to the drone
	The drone 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 drone
	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 or motors in wrong locations	Make necessary adjustments

**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.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to

provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not

installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**Antenna Separation Distance**

When operating your product, please be sure to maintain a separation distance of at least 20 cm between your body (excluding fingers, hands, wrists, ankles and feet) and the antenna to meet RF exposure safety requirements as determined by FCC regulations.

**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.

**Information IC**

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

**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 RED 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.