

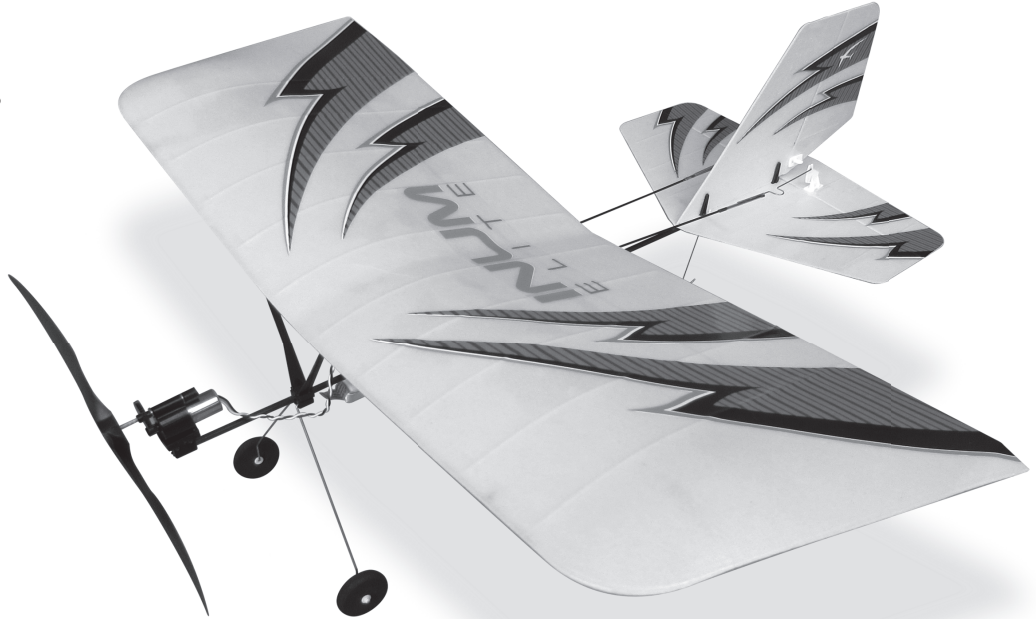
INUMTM ELITE

INSTRUCTION MANUAL

Flyzone
how high will you soar

RTF
READY-TO-FLY

- ▶ **WINGSPAN**
15.9 in [404 mm]
- ▶ **LENGTH**
15.7 in [399 mm]
- ▶ **WEIGHT**
1.15 oz [33g]



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 www.horizonhobby.com and click on the support tab for this product.

MEANING OF SPECIAL LANGUAGE

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

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.

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

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

14+ AGE RECOMMENDATION: Not for children under 14 years. This is not a toy.

READ THROUGH THIS MANUAL BEFORE STARTING CONSTRUCTION.
It contains important instructions and warnings concerning the assembly and use of this model.



WARNING: This product may use a lithium polymer (LiPo) battery. Improper handling may result in FIRE! You are responsible for following all safety precautions as outlined in this instruction manual.

WARNINGS

WARNING: For your safety please read and understand these warnings.

Radio control models are not toys. Serious injury to persons or damage to property can result if they are not used in a responsible manner.

Read all instructions carefully prior to assembling and before flying this model. Seek advice should any information be unclear. You assume all risk and responsibility when using this model.

General Warnings

- Never fly your aircraft from the street or at night. Always fly in an open area free of obstructions.
- When flying, make sure any spectators are behind you.
- Always be conscious of the spinning propeller. Be careful not to allow loose clothing to be drawn into the propeller.
- Because your aircraft is operated by radio control, it is important to make sure you are always using fresh and/or fully charged batteries. Never allow the batteries to run low, or you could lose control of the aircraft.
- Never attempt to disassemble any of the aircraft's components, especially the electronics.
- Do not allow any of the electrical components to get wet, or electrical damage may occur.
- You should complete a successful range check of your radio equipment prior to each new day of flying, or prior to the first flight of a new or repaired aircraft.
- If your aircraft gets dirty, do not use any solvents to clean it. Solvents will damage the foam and plastic. Use a dry cloth to clean any dirt from outside of the aircraft.
- This product includes small and sharp edged parts. Always assemble and keep this product out of children's reach.
- Do not fly your airplane on days with strong winds or side winds.
- When not using the model, always switch off the receiver and transmitter. Also, disconnect and remove batteries from the model and the transmitter as batteries may overheat or leak, causing damage.
- Do not store this model in a high-temperature/humidity area or in direct sunlight.

Radio Control System Warnings

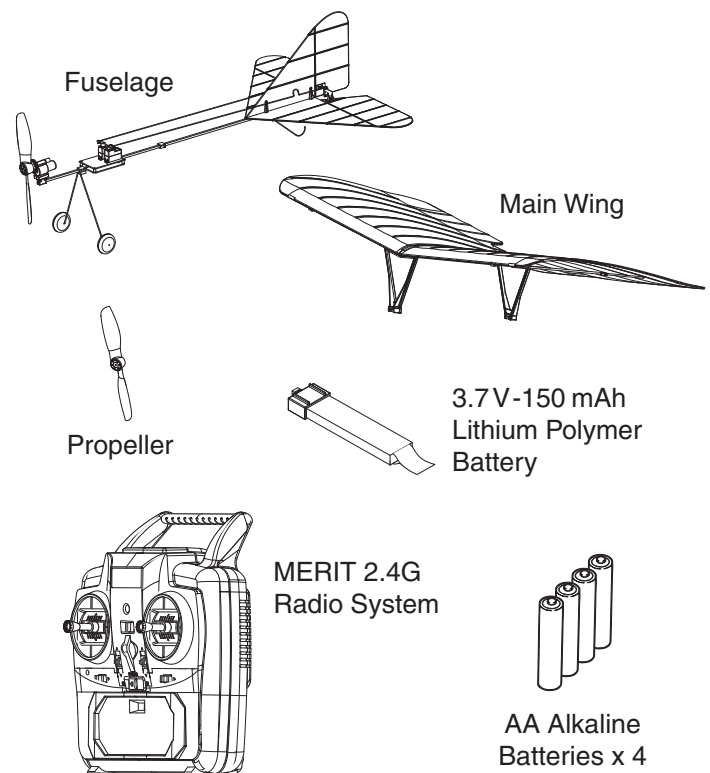
- **Always turn on your transmitter before turning on the aircraft and always turn off the aircraft before turning off your transmitter.**
- Always unplug the battery when not flying the aircraft.
- Never cut the receiver antenna shorter, or you could lose control of the aircraft during flight.
- Never attempt to disassemble or modify any of the radio control system components.

LiPo Battery Warnings

WARNING: You must read this before charging the battery.

- All instructions, warnings, and cautions must be followed at all times. Failure to do so can lead to serious injury or fire. Do NOT use this product before reading and understanding all directions and warnings.
- Do NOT use or charge if the battery is hot.
- Do NOT leave in direct sunlight or in a hot car or storage area. Do NOT get wet or expose to moisture.
- Do NOT overcharge. Maximum voltage for each battery must be followed.
- Do NOT short-circuit the battery. Check polarity, then connect the battery to the charger.
- Do NOT leave the battery connected when not in use.
- Do NOT operate or charge unattended.
- Do NOT use the battery if you do not understand the warnings and proper use of the battery.
- Always let the battery cool and 'rest' between uses and charging. Do NOT charge inside your car or inside your house.
- Inspect the battery before each use for swelling or other malformation. If the battery has swelled, it MUST be discarded.
- Do NOT poke, bend or damage the battery. The outer casing is soft and can be damaged.
- The battery must never exceed 71° C (160° F) for any reason.

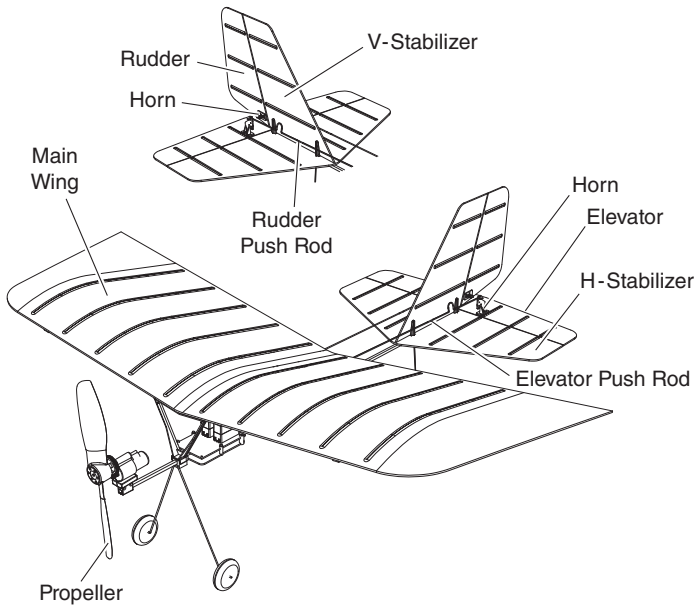
ITEMS INCLUDED



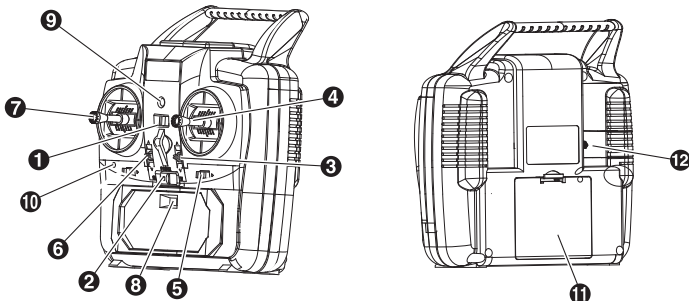
AVAILABLE PARTS

FLZA6460	Wing
FLZA6461	Tail Surface Set
FLZA6462	Landing Gear Set
FLZA6463	Propeller (2 pcs.)
FLZA6468	Battery LiPo 1S 3.7V 150mAh

PARTS GUIDE



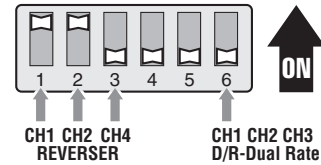
TRANSMITTER



- 1 Mode Change Switch**
- 2 Power Switch**
- 3 Elevator Trim (Up/Down)**
Adjust up/down so plane flies horizontal.
- 4 Elevator Stick (Up/Down)**
Controls planes upwards/downwards movement.
- Rudder Stick (Left/Right)**
Controls plane's left/right movement.
- 5 Rudder Trim (Left/Right)**
Adjust left/right so plane flies straight.
- 6 Throttle Trim (Up/Down)**
Adjusts throttle so motor will not move at the down position.

- 7 Throttle Stick (Up/Down)**
Controls propeller speed.

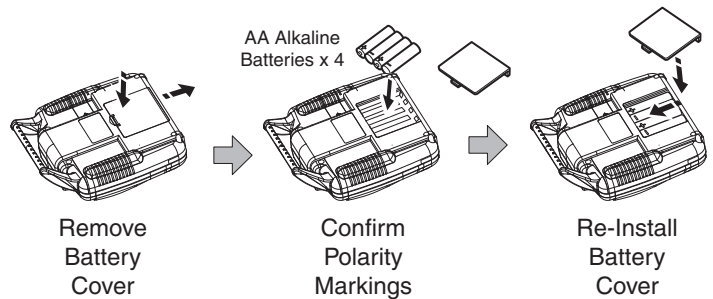
- 8 Function Selector**



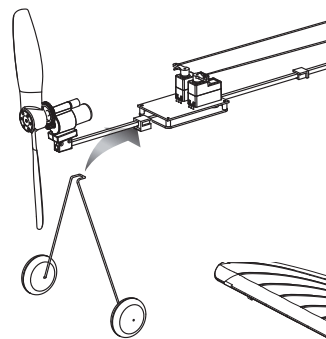
- 9 Battery Level Indicator**
- 10 Charge Lamp**
- 11 Battery Cover**
- 12 Charger Terminal Cover**

BEFORE OPERATING

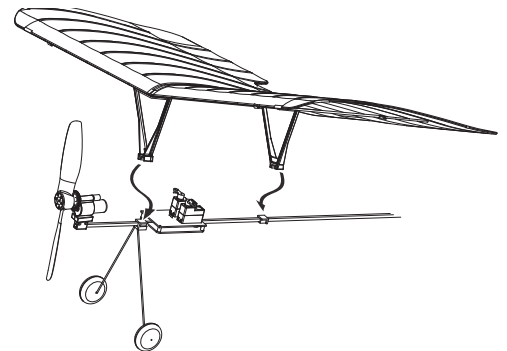
Batteries for Transmitter



ASSEMBLING THE AIRPLANE



1. Install the landing gear into the landing gear mount from the front as shown. Make sure to fully push the landing gear in place to prevent it from coming off during use.



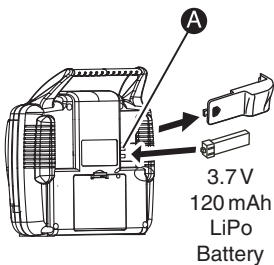
2. Install the main wing onto the fuselage by clipping the plastic mounts on the wing into the holders on the fuselage. Note the direction in the drawing. Make sure to fully push the mounts into the clips to prevent the wing from coming off during use. Make sure to re-check the fit of the mounts on the clips if you crash your plane.

Charging the Battery



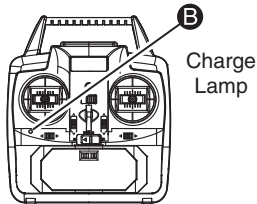
WARNING:

- Read the LiPo battery warnings on page 2 carefully and charge the battery accordingly.
- Use only the battery charger specified.
- Do not attempt to charge a damaged battery. This may cause fire or serious damage.
- Do not attempt to charge a fully charged battery. Run down the battery completely before attempting to charge the battery.



3.7V
120mAh
LiPo
Battery

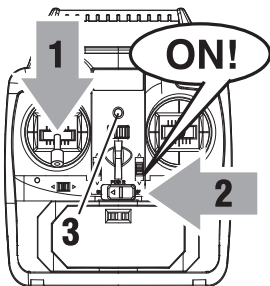
1. Remove the charger door from the transmitter.
2. Connect the 3.7V 120mAh LiPo battery to the charge socket. (A) Up label visible.
3. The charge lamp (B) lights up and quick charge commences. (A fully discharged battery takes about 40 minutes to charge. Charging time can vary according to battery type).
4. After the charge lamp goes off, charging is complete.



Charge
Lamp

ATTENTION: When the transmitter batteries are dead, the battery can not be charged. **The battery can be charged whether the transmitter power is switched ON or OFF.**

Switch the Transmitter On



1. Move the throttle stick all the way down.
2. Switch the power ON.
3. The red LED lights up and a “beep” will be heard.

NOTICE:

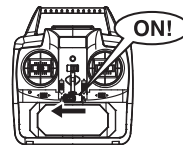
- Always turn the transmitter’s power switch ON before plugging the battery into the plane.
- The motor will not operate unless the throttle stick is first moved to the lowest position.

LED Display

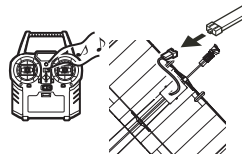
When the	is	this means the	You should
Rx LED	Steady on	Tx & Rx are linked & ready.	
	Slow Flash	The throttle's in the Hi position (The motor will not activate).	Move the throttle stick to the lowest position, until the LED is steady ON. Then the motor will activate.
	Fast Flash	The battery is low.	Charge the battery.
Tx LED	Fast Flash	The battery is low.	Replace the Tx batteries.

Linking the Airplane

The Inum Elite is equipped with an auto-linking feature. This means the transmitter will automatically link to the plane after they are turned on.



1. Switch the transmitter power ON.



2. Connect the battery to the airplane squarely on the hook and loop pad on the bottom of the fuselage and observe correct polarity.



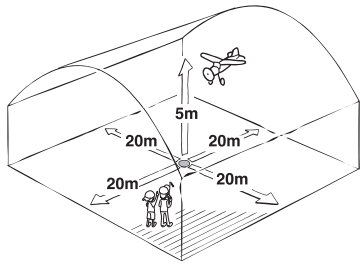
3. When the transmitter is linked, the red LED will solidly illuminate.

SLT COMPATIBILITY

The INUM Elite RTF can also be flown with Tactic transmitters (SLT protocol). When doing this please refer to the Tactic radio instructions and be aware some channels may need to be reversed or re-assigned for proper operation. This includes the throttle channel, so extra care must be taken to be sure the throttle direction is correct.

CHOOSING YOUR FLYING FIELD

The flying field you choose should be a large, open field with grass. There should not be any vehicles, buildings, power lines, trees, large rocks or anything else that your model can crash into.



The size of the area should be as shown. (Be sure to obtain appropriate permission.)

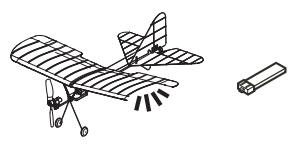
CAUTION: Control may be lost if the airplane is more than 50 meters from the transmitter.

CHOOSING A DAY TO FLY

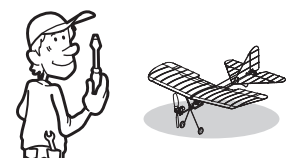


Calm weather with either no wind or wind speed of 1–2 mph is suitable for flying.

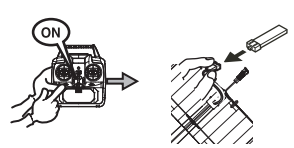
PRE-FLIGHT CHECK



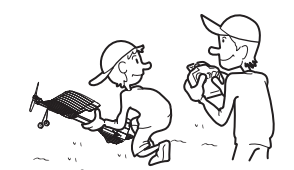
1. Check for any bends or damaged parts on the main wing, fuselage or tail wing.



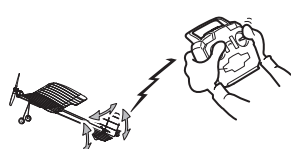
2. Be sure the propeller & spinner are properly attached!



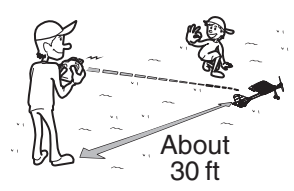
3. Switch the transmitter ON and connect the battery, and advise any people nearby. Make sure there is no one near the propeller.



4. In case the motor starts rotating accidentally, have an assistant hold the rear part of the plane securely.

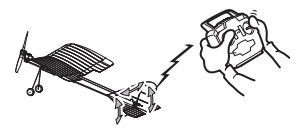


5. Check to see if the plane responds properly to control signals.

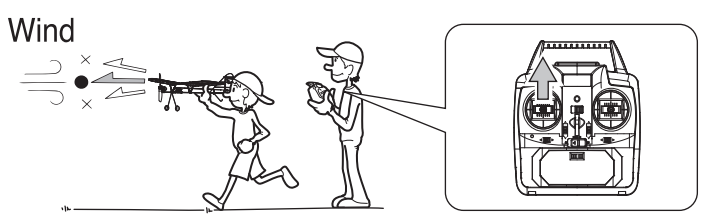


6. Test the range of the radio signal. Step back about 30 ft [10m] and check for any unusual behavior.

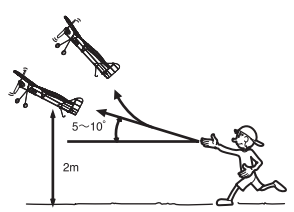
TAKEOFF



1. Before takeoff, check to see if the plane responds properly to control signals.



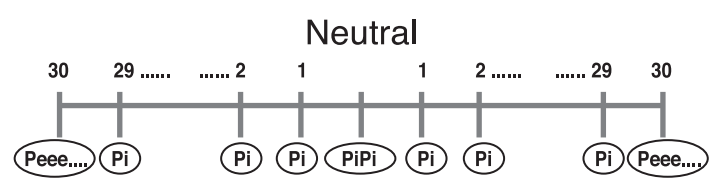
2. Apply 3/4 throttle while facing into the wind. Hold the plane horizontally and launch straight and level with a gentle pushing motion.



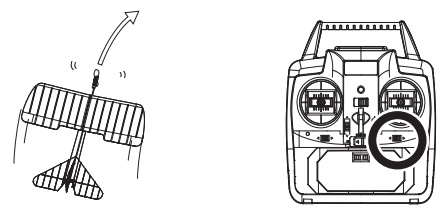
3. After launching, use the rudder to stop the plane from banking left or right. Climb 10–20° at about half throttle. After reaching an altitude of about 6 feet [2m], begin circling the plane. (If the battery is not charged properly, the plane will not ascend).

Use the elevator stick to adjust the climb and altitude. **Put the throttle stick to the lowest position when crashing to avoid damage.**

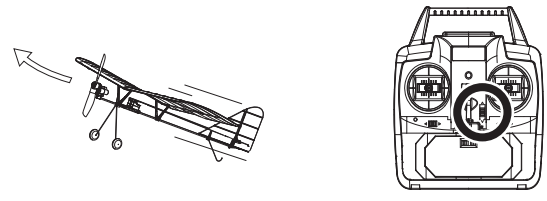
ADJUSTING TRIMS



Adjusting trim for horizontal flight.



Take your finger off of the rudder stick and if the plane flies to the right, adjust the rudder trim to the left side.



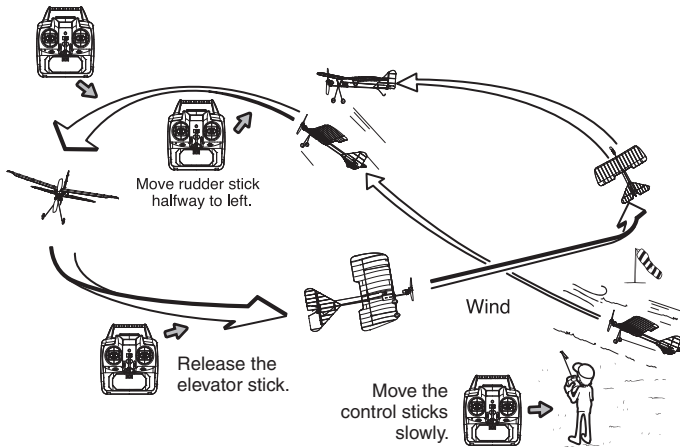
Take your finger off of the elevator stick and if the plane flies upwards, adjust the elevator trim upward.



Adjust the elevator and rudder trims so the plane flies straight and horizontal when the sticks are free.

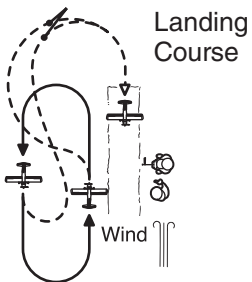
FLIGHT

Continue circling left in an oval pattern until you're accustomed to flying. If the plane nose dips, add a slight amount of up elevator control.



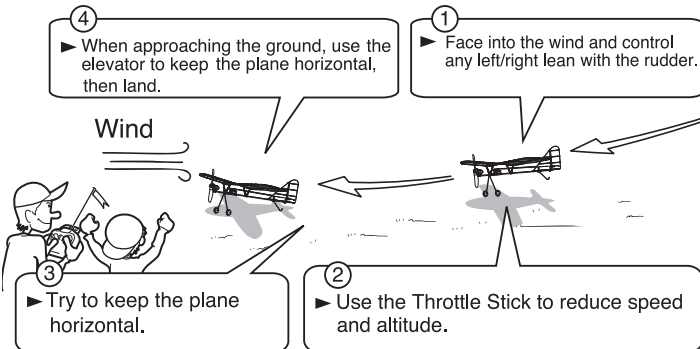
Turn the rudder to the right and then release the control stick. Once the plane levels off, the circle is complete.

LANDING

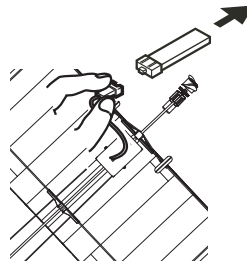


When the battery runs low, the auto-cut system will stop the propeller from spinning. Flight times will be 7–10 minutes.

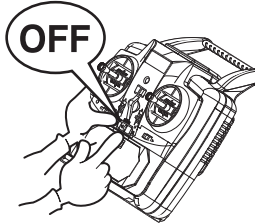
When landing, make a wide turn with the wind, and then land **into** the wind.



AFTER LANDING



1. **Always disconnect the battery before turning off the transmitter.** Hold the connector when disconnecting the battery. Do not pull on the cord.

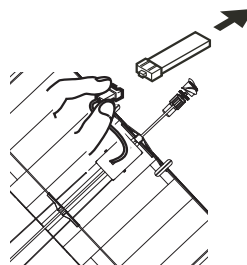


2. Then, switch the transmitter OFF.

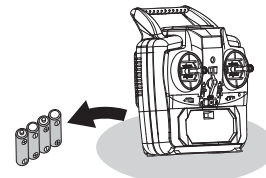


CAUTION: The battery may be hot after a flight. Allow the battery to cool down before recharging.

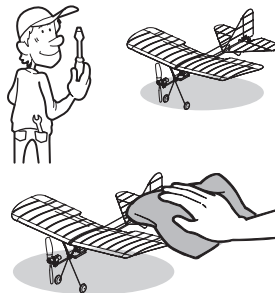
AFTER-FLIGHT MAINTENANCE



1. Remove the battery from the airplane when not in use.



2. For the next flight, check that no screws have loosened and replace any scratched or damaged parts.

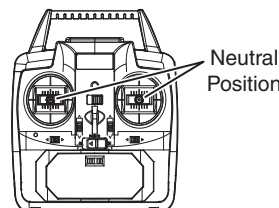


3. Clean away any dirt etc. and perform any needed maintenance.

TRANSMITTER MODE SELECTION

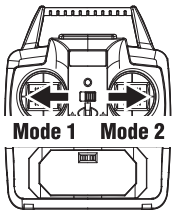
As supplied, the transmitter is in Mode 2.

NOTE: The transmitter can be used in Mode 1 or Mode 2 with the mode change switch. After the Mode has been changed, the throttle stick spring is cancelled.



Neutral Position

1. Move the left and right sticks to the neutral position.



2. Make sure the Mode change switch is moved all the way to the end.

- 9 Battery Level Indicator
- 10 Charge Lamp
- 11 Battery Cover
- 12 Charger Terminal Cover

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, or (vi) Product not compliant with applicable technical regulations, 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.

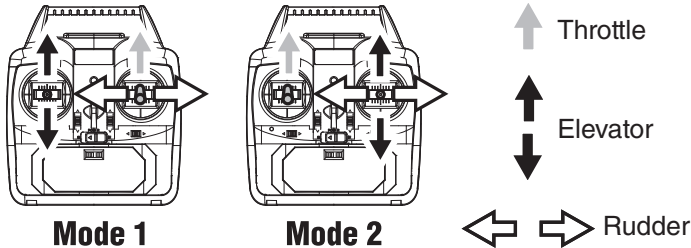
Limitation of Liability – HORIZON SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, LOSS OF PROFITS OR PRODUCTION OR COMMERCIAL LOSS IN ANY WAY, REGARDLESS OF WHETHER SUCH CLAIM IS BASED IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR ANY OTHER THEORY OF LIABILITY, 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

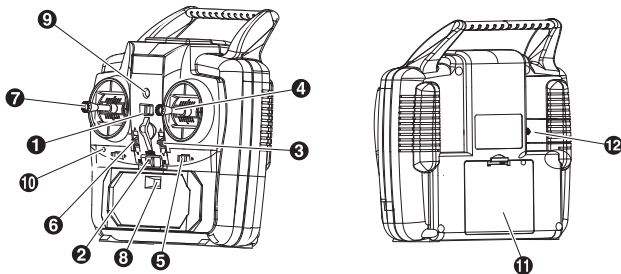
Questions, Assistance, and Services – Your local hobby store and/or place of purchase cannot provide warranty support

Mode Stick Functions

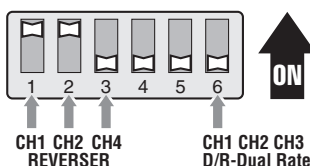


- The Mode change switch will only slide if the throttle stick is in neutral.
- Be sure to slide the Mode change switch all the way to the end. The sticks will not move correctly unless the switch is moved all the way to the end.

Changing Transmitter to Mode 1



- 1 Mode Change Switch
- 2 Power Switch
- 3 Throttle Trim (Up/Down)
Adjusts throttle so motor will not move at the down position.
- 4 Throttle Stick (Up/Down)
Controls propeller speed
- Rudder Stick (Left/Right)
Controls plane’s left/right movement.
- 5 Rudder Trim (Left/Right)
Adjust left/right so plane flies straight.
- 6 Elevator Trim (Up/Down)
Adjust left/right so plane flies straight.
- 7 Elevator Stick (Up/Down)
Controls plane’s upwards/downwards movement.
- 8 Function Selector



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, 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.

10/2015

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.

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.



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

RF Exposure: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be collocated or operating in conjunction with any other antenna or transmitter.

Country of Purchase: United States of America

REPAIRS & REPAIR REQUESTS

Horizon Service Center servicecenter.horizonhobby.com/RequestForm/
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Champaign, IL 61822
USA

PRODUCT TECHNICAL ASSISTANCE

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