

LiteHawk OPTIX FM Instruction Manual

PLEASE DO NOT RETURN THIS PRODUCT TO ANY RETAIL STORE.

For any questions or problems with this product please visit our website www.litehawk.ca

Made for and distributed by Borgfeldt (Canada) Limited 50 Konrad Cres., Markham, ON L3R 8T4

LiteHawk OPTIX FM Precautions - The LiteHawk OPTIX FM is not intended for children under the age of 10 unless closely supervised by an adult. Improper use may cause serious injury. Please read Li-Po Battery section before use. Do not fly in areas close to high voltage lines or crowds. Do not fly when windy. Do not fly in rain, snow or if there is lightning and/or thunder. Do not touch ANY moving parts while the model is powered.



WARNING: CHOKING HAZARD - Small parts. Not For Children under 3 years



CAUTION: Do not touch the running model! Adult supervision is required!



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CAUTION: Never insert any sharp objects, pins or screws into the model as this may puncture the internal

SAFETY PRECAUTIONS

- Keep hands, hair and loose clothing away from moving parts when the model is powered ON.
- Turn off controller and OPTIX FM when not in use.
- Remove batteries from controller when not in use.
- Parental guidance is recommended for the flight.
- Keep your OPTIX FM in your sight so that you can supervise it at all times.
- New alkaline batteries are recommended for use in controller to obtain maximum performance.
- Your charger is tailor made for the Li-Po battery used in your LiteHawk OPTIX FM. Do not use it to charge any battery other than that in the LiteHawk OPTIX FM.

BATTERY SAFETY INFORMATION

- Requires 4 x 1.5V AAA batteries (not included)
- Batteries are small objects.
- Replacement of batteries must be done by adults.
- Follow the polarity (+/-) diagram.
- Promptly remove dead batteries from the toy.
- Dispose of used batteries properly.
- Keep batteries dry.

- Remove batteries for prolonged storage.
- DO NOT incinerate used batteries
- DO NOT dispose of batteries in fire, as batteries may explode or leak.
- DO NOT mix old and new batteries or different types of batteries (i.e. alkaline/standard)
- Always replace the whole set of batteries at one time.
- DO NOT short-circuit the supply terminals

CARE AND MAINTENANCE - Controller

- Always remove batteries from the controller when it is not being used for a long period of time.
- Keep the toy away from direct heat or extreme cold.
- Do not expose the toy's interior to water or moisture. This can damage the electronic assemblies.

Your LiteHawk OPTIX FM is equipped with a Li-Po

Special Li-Po Battery Instructions:

- Never charge battery unattended.
- Charge battery in isolated area. Keep away from flammable materials.
- Do not expose to direct sunlight. There is a risk of the batteries exploding, overheating or igniting.
- Do not disassemble, modify, heat or short circuit the batteries. Do not place them in fires or leave them in hot use. places.
- Only charge the batteries with the specified battery charger.
- Only use the batteries in the device specified by LiteHawk.
- In the unlikely event of leakage or explosion use sand or a chemical fire extinguisher for the battery.
- Batteries must be recycled or disposed of properly.
- Keep battery dry.
 - Do not leave plugged into quadrocopter when not in
 - Do not charge if battery or connector is wet.

Before charging the LiteHawk OPTIX FM please read the following!

- DO NOT leave the battery unattended during charging.
- DO NOT leave the battery plugged into the charger any longer than 2 hours. If the charging light does not go out in this time, the charger or battery could be faulty - unplug immediately!
- DO NOT drain the battery to the point at which you can no longer lift off. Stop using the OPTIX FM when you begin to lose significant power.
- DO NOT install another battery without letting the motor cool first! 5-10 minutes is sufficient.
- DO NOT recharge the battery until it is cool to the touch! 10 minutes is sufficient.
- DO NOT store battery for longer than 24 hours without recharging to at least 65% capacity.
- Do not charge if battery or connector is wet.
- Remove the battery from the OPTIX FM when charging.

Do Not Fully Discharge the battery! Stop and recharge when your OPTIX FM begins to lose power! Failing to do so will result in irreparable damage to the battery! During flight the LED lights will start to blink, this indicates the battery is running low.



Welcome to the World of LiteHawk!

Welcome aboard, this is your new LiteHawk OPTIX FM! Before we get ready for your first aerial adventure, let's cover the basics together!

Attempting to fly your LiteHawk OPTIX FM without completely reading the manual may cause injury to yourself and people in the vicinity, as well as damage to the RC model. Please read the Instruction Manual thoroughly before taking your first flight.

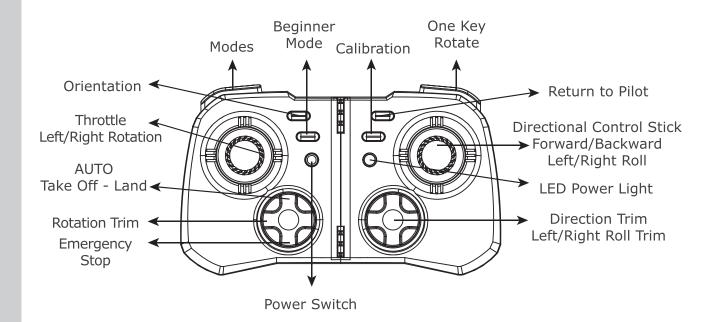
LiteHawk OPTIX FM - Transmitter Set Up

Battery Installation:

- 1. Open the Battery Covers.
- 2. If used batteries are present, remove these batteries from the unit by pulling up on one end of each battery.
- 3. Install new batteries in the accordion-style expandable radio controller as shown in the battery compartments (+/-).
- 4. Replace battery doors securely. If you turn on the transmitter (by hold down the power button) the indicator light will flash red if not check battery installation.
- 5. Check your local laws and regulations for correct recycling and/or battery disposal.
- 6. Never expose the transmitter or batteries to moisture.
- ALWAYS REMOVE THE BATTERIES FROM THE TRANSMITTER WHEN YOU WILL NOT BE USING YOUR MODEL FOR LONG PERIODS OF TIME.
- Dispose and recycle correctly when there is no longer power in the batteries, they should be disposed of at an approved battery recycling center. DO NOT THROW IN HOUSEHOLD WASTE!
- Never expose the transmitter or batteries to moisture.

LiteHawk OPTIX FM - Controller Functions

Familiarize yourself with the Remote and the Quadrocopter - everything should be turned off.





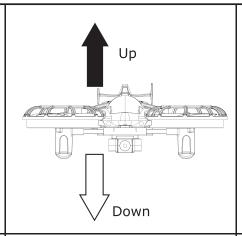
LiteHawk OPTIX FM - 2.4 Ghz

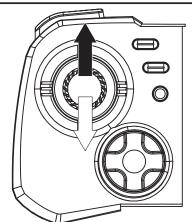
Your LiteHawk comes with a 2.4 Ghz radio system, which allows you to play without the fear of ever losing control! Race or play with countless other pilots. The range of your model is approximately 100ft which, due to its small size, is in excess of normal vision. The farther the model goes away from you the smaller it will become and the harder it will be to determine the model's direction. We suggest you stay at a distance between 5ft-25ft, this keeps your OPTIX FM within a safe operational distance.

Throttle control:

Moving the stick up increases power and will result in more lift. Lowering the throttle stick or decreasing power will result in less lift.

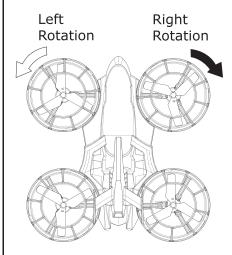
TIP: This is the same stick you will use to "sync" your quadcopter

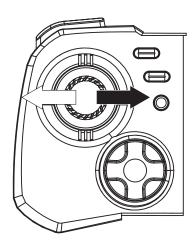




Rotate control:

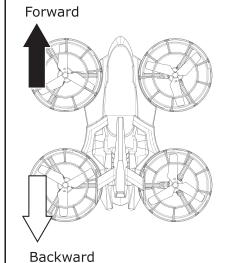
Moving the stick to the left will rotate the quadrocopter left or counter-clockwise. Moving the stick to the right will rotate the quadrocopter right or clockwise.

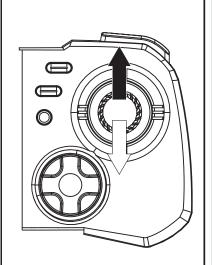




Pitch Control:

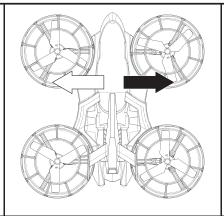
Moving the right stick up will make the quadrocopter go forward. Moving the right stick down will make the quadrocopter go backwards.

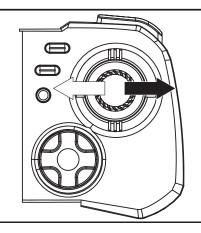




Roll Control:

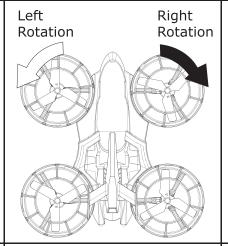
Moving the stick left will make the Quadrocopter roll left (move sideways). Moving the stick to the right will make the Quadrocopter roll right(move sideways).

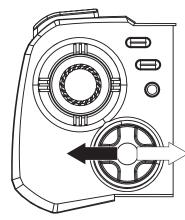




Rotate Trim:

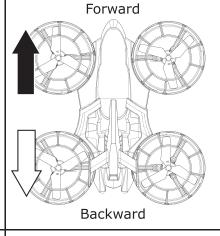
If the Quadrocopter spins to the left, push the trim button on the right until it stops. If the Quadrocopter is spinning to the right, push the the trim button on the left until it is stable.

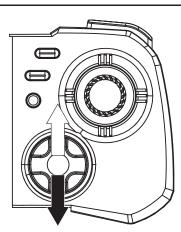




Pitch Trim:

If the Quadrocopter is moving forward, push the trim button on the bottom until its level . If the Quadrocopter is moving backwards, push the trim button on the top until its level.





Roll Trim:

If the Quadrocopter is moving sideways (roll) to the left, push the button on the right until it is level. If the Quadrocopter is moving sideways (roll) to the right, push the button on the left until it is level.

