



AGE 8+



# ***BOLT MINI DRONE***

Please read instructions completely before operating this drone

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## GENERAL INFORMATION

- This user's manual is designed for use with your Bolt Mini Drone and contains the instructions you will need to assemble, operate and maintain your drone.
- Please read all instructions and warning in this manual prior to using your LED Bolt Mini Drone, and keep this instruction manual as it contains important information for future reference.
- Adult assembly will be required for battery installation.
- This drone is capable of total controlled flight, fly up/down, left/right, and pitch forward or backward, on 6 axis gyro stabilization with a control range of 150 feet (e.g. 45m). Includes USB charging cable, replacement blades and for auto orientation, auto take-off and auto landing control. Included, is a 350 mAh Li-Ion battery (replaceable). The remote controller requires 3 AAA 1.5V batteries (not included).
- Never attempt to re-assemble any electronic components. These have been carefully calibrated at the factory.
- Only use manufactured parts to upgrade your drone. Any malfunction incurred by custom modification will void your warranty.
- Before flying your drone, please read this manual completely and examine your drone and control for any defects.
- For better performances, some adjustments may be necessary.
- Always remove batteries from the controller when not in use.
- Please operate your drone in a spacious area. Never operate your drone in crowded street.
- This product is fully assembled at the factory. We do not take any responsibility for damage and/or accidents that occur as the result of custom modifications and/or incorrect operation.

## LIMITED 30 DAY WARRANTY

WeCool offers a limited 30 day warranty on select products from date of purchase of purchase under normal and intended use and service against defective workmanship and material. If our product fails to meet our limited warranty, we will, at our option, replace the product free of charge, or provide you with a replacement of comparable value.

This warranty does not apply in cases of damage in transit, inadequate care of neglect, abuse, abnormal use, misuse, accidents, normal wear and tear, damage due to environmental or natural elements, failure to follow product instructions, immersion in water (except for products specifically identified by us in writing as intended for water use), battery leakage or improper installation, improper storage or maintenance of the products, or improper service or causes not arising out of defects in materials and workmanship. For more information, contact [customerservice@wecooltoys.com](mailto:customerservice@wecooltoys.com)

## INTRODUCTION

### 1. Prepare for flight

- Drone battery must be charged before each use (Cable included).
- Indicator light on USB plug will turn off when fully charged.
- Install the drone battery and close the battery compartment.
- Install 3 x AAA batteries in the remote controller.

### 2. Install battery in drone

Before each flight, start by pairing the remote with the drone:

1. Turn your drone on and place it on a flat, leveled surface.
2. Turn on the remote controller.
3. Push the left stick up and then down.
4. Repeat steps 1 and 2 if necessary.

### 3. Calibrate

Move both joysticks diagonally down toward the outside of the remote.

### 4. Remote Control Overview

Practice flying your drone below 10 feet (e.g. 3m) and at low speeds until you are comfortable with all controls to avoid unnecessary damage or injury.

- Left joystick: Up/Down controls elevation.
- Right joystick: controls flight direction.
- Direction Trim: Use to eliminate drift.

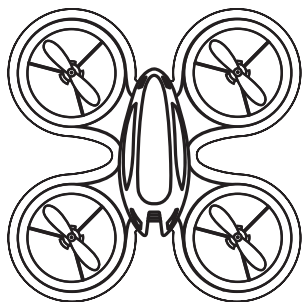
To cut down the drone's power, move the left joystick to the down position.

## SAFETY WARNINGS

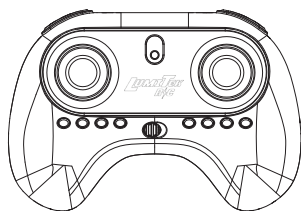
- Not recommended for children under 8 years of age. As with all electrical products, precautions should be observed during handling and use to reduce the risk of electrical shock.
- Adult supervision is required at all times.
- Never fly drones above or near people, sudden changes in wind or other conditions could lead to unexpected crashes.
- Always use caution when flying drone vehicles, obey relevant laws, respect the privacy and property rights of others.
- The drone shall never be modified or used for anything except its intended purpose.
- Before each use, an adult should review the product and battery to determine that no damage or hazards exist.
- DO NOT TOUCH SPINNING PROPELLERS.
- Do not allow anything to intentionally make contact in any way with spinning propellers or prevent contact with spinning blades by turning off remote prior to handling drone.
- Use caution and pay attention to your surroundings while operating drone.
- Do not fly drone into animals, people, or inanimate objects.
- Keep drone away from power lines, buildings, trees, public areas, and any other potentially hazardous areas.
- Always fly drone in large open areas.
- Do not operate in rain, heavy wind, and or any type of severe weather. Do not land drone on wet surfaces.
- Never touch or allow others to touch drone while it is flying.
- Always turn drone off when it is not in use.

Fly-aways are the user responsibility and they will not be replaced by the manufacturer.

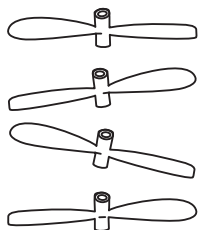
## CONTENT OF THE BOX



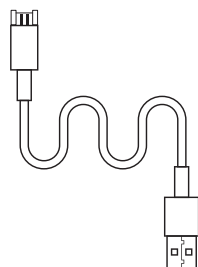
LED Bolt Mini Drone



Drone Remote Controller



4 Replacement Propellers



USB Charging Cable

## REMOTE CONTROLLER BATTERIES INSTALLATION

1

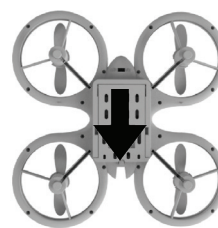


2



1. Locate the remote controller battery compartment and release the screw with a Philips cross head screwdriver
2. Open the battery compartment and install 3 x AAA batteries while respecting the polarities as shown in the diagram.
3. Replace and close the battery compartment. Do not forget to tighten the screw.

## MINI DRONE BATTERY INSTALLATION



A



B



C

1. Turn off the drone and locate the battery cover under the drone (A)
2. Press down the plastic pin at the end of the battery compartment and slide horizontally the battery cover until you hear two clipping sounds (B)
3. Lift up the battery cover until the battery appears (C)
4. Connect the battery port to the drone port and insert the battery into the battery compartment. Do not force the connection, it is a one-way connection
5. Close the battery compartment and slide it back in place, reverting the action done in the Diagram A

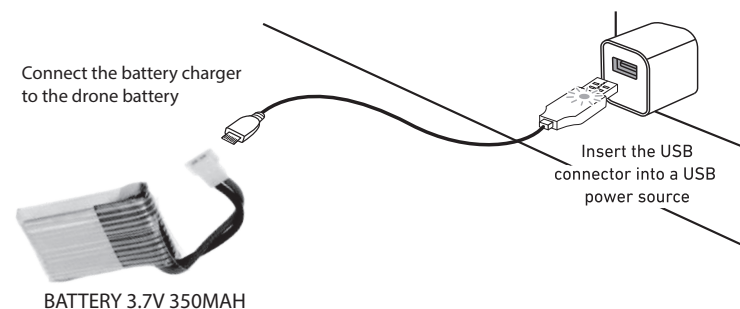
### Note:

The drone contains a removable and rechargeable 3.7V and 350mAh Lithium-Ion battery.

## CHARGING BATTERY

1. Turn off the drone before charging.
2. Connect the battery charging cable to the charging port of the battery. There is only one way to connect the cable to the battery. Do not force the connection.
3. Connect the USB charging cable to a power source.
4. Average charging time is approximately 80 minutes. The drone operates for approximately 7 minutes on a full charge.
5. The battery charging cable will light up (red LED) when it is charging the battery and will turn off when the battery is fully charged.
6. Disconnect the battery from the battery charger when the charge is complete.

Note: the transformer, power supply, battery cord, plug, enclosure or any other part related to charging, in the event of damage, shall not be used until the damage has been repaired.

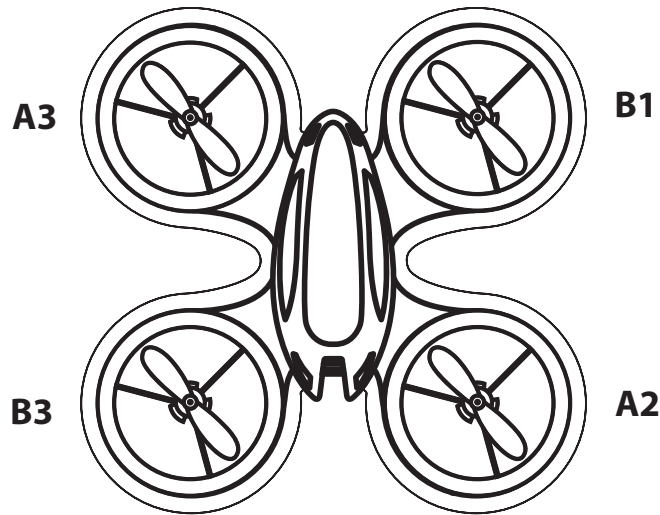


Connect the battery charger to the drone battery

Insert the USB connector into a USB power source

BATTERY 3.7V 350MAH

## REPLACING PROPELLERS

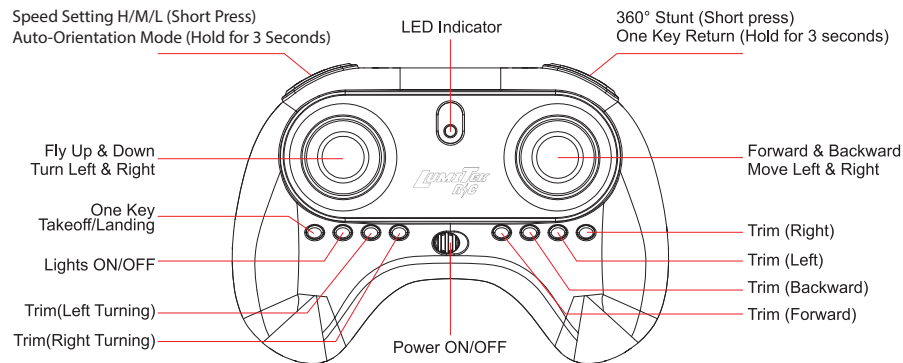


- Only an adult should replace the blades. To remove them, pull up the blades directly.
- Replace the propellers by following the diagram above.
- Each blade spins differently. Blades B spins counter clockwise and Blades A spins clockwise.

### Note:

Do not touch the rotating rotors, avoid loose clothing or hair that could be caught in the rotors.

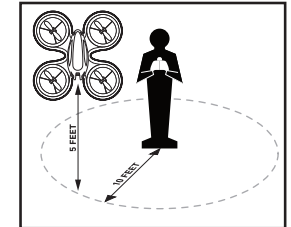
## REMOTE OVERVIEW



## OPERATING THE DRONE

### Step 1 - Pre-Flight Checklist

- Read all warnings and instructions
- Install the remote controller batteries (Section Remote Controller Batteries Installation)
- Charge the drone battery (Section Charging Battery)
- Make sure that the drone and remote controller are both turned off before manipulating batteries



### Step 2 - Choosing a location

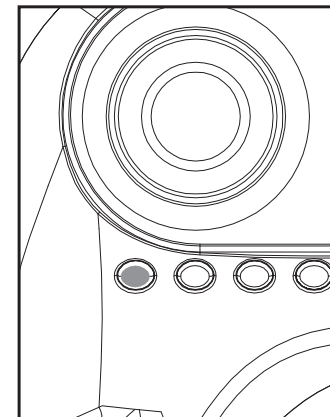
- The drone is designed to be flown indoors and outdoors
- Always make sure that you have enough space to fly the drone.
- Always follow the warnings at the beginning of this instruction manual
- An optimal position is to be 10 feet (3 meters) away from the drone and have the drone fly about 5 feet (1.5 meters) from the ground

### Step 3 - Pre-Flight

1. Make sure your remote controller is turned off
2. Turn on (push to the right) the power switch under the drone until the lights flash slowly
3. Place the drone on an even surface. For ease of control, the blue lights should be towards you
4. Turn on the switch on the remote controller (push to the right). You will hear a bip sound and the red LED between the two sticks will start flashing up. Move the left stick up and then down. It will emit a beep sound everytime you move the stick up and down. The LED light will then continuously be turned on
5. Once the drone lights are not flashing anymore and the remote controller red LED is also light up, the pairing is complete and the drone can be used

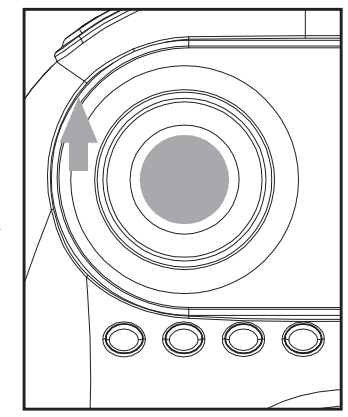
### Step 4 - Lift Off

- Follow the two diagrams below to lift off the drone
- We recommend using the method on the left for safety



Press the Auto Take Off Button

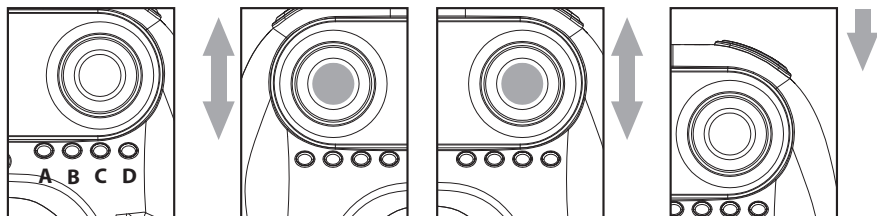
OR



Slowly and carefully push up the left stick until the blades start to rotate and the drone elevates

## OPERATING THE DRONE

### Step 5 - Operating the Drone in Flight



1. Follow this step if your drone begins to drift during flight

A. The drone drifts backwards. Press the Forward Trim button

B. The drone drifts forwards. Press the Backward Trim button

C. The drone drifts to the right. Press the Left Trim button

D. The drone drifts to the left. Press the Right Trim button

Use the left stick to increase or decrease the drone elevation

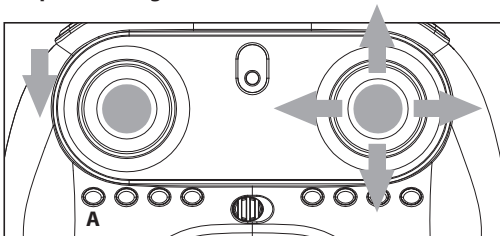
Use the right stick to move forward, backward, left or right

To perform a stunt, press the stunt button, then press the right stick to the direction you want to complete the stunt

#### Note:

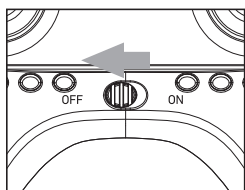
1. The stunt function may be disabled if the drone battery is low.
2. Hover the drone at or above 10 feet (3 meters) before attempting a stunt

### Step 6 - Landing the Drone

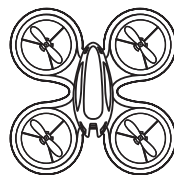


1. Make sure to lower the drone below 20 feet (6 meters) and press the Auto-Land button (A)
  2. Use the right stick to maneuver the drone and pull down the left stick until the drone has landed
- In the event the blades will not stop spinning, you can perform an emergency stop by pressing at least two seconds the autolanding button

### Step 7 - Retrieving the Drone



1



2



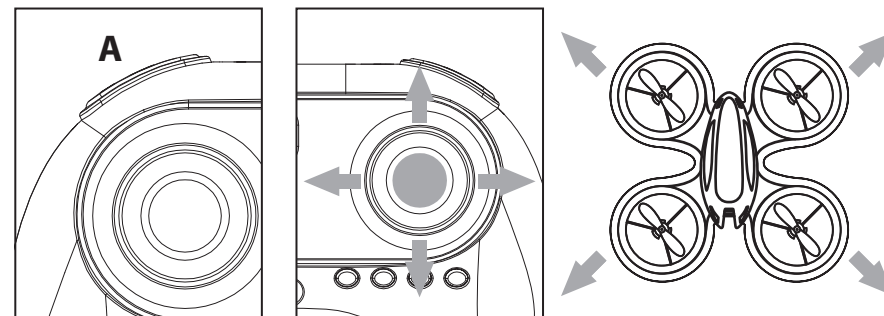
3

1. Turn off the remote controller by pushing the on/off switch to the left. It will avoid turning accidentally the propellers on
2. Make sure the propellers have stopped spinning
3. You can pick up the drone!

Note: You will need to pair the drone once again before your next flight (See Step 3)

## OTHER FEATURES

### Auto Orientation



Press the auto-Orientation button for 3 seconds (See Remote Controller Overview Section, A in the diagram above) to turn the mode ON. Press it again for 3 seconds to turn it OFF.

- In this mode, the drone will always move in the direction you press the right stick no matter which way the drone faces

When the drone is in auto-orientation mode, the drone will orient to the user (who holds the remote controller), no matter what direction the drone is facing

Note: When you press the auto-orientation mode button, the remote controller will beep for 6 seconds to indicate it has entered this specific mode and will then beep every 6 seconds to warn the user is in auto-orientation mode.

#### Tips

- Do not crash the drone into sand or dirt. The drone gears may become clogged.
- When first learning to fly, practice lifting off and hovering.
- Stay several feet from walls and buildings.

## SAFETY

### FCC Statement:

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.

### FCC Radiation Exposure Statement

This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

### Lithium Battery Statement:

Battery may explode or leak chemicals if opened, exposed to fire or high temperature, installed backwards, or mixed with other battery types.

## SAFETY

### Battery Warning:

Batteries are to be inserted with the correct polarity.

### Battery Warnings:

- . Do not mix alkaline, standard (carbon-zinc), and rechargeable batteries (Nickel-cadmium).
- . Do not mix old and new batteries.
- . Non-rechargeable batteries should not be recharged.
- . Rechargeable batteries are to be removed from the unit before being charged (if removable).
- . Rechargeable batteries are only to be charged under adult supervision (if removable).
- . Exhausted batteries are to be removed.
- . The supply terminals are not to be short-circuited.
- . Only batteries of the same or equivalent type as recommended are to be inserted with the correct polarity.

Conforms to safety requirements of ASTM, FCC, CPSIA.

### WARNINGS:

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

The packaging has to be kept since it contains important information.

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 the 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
- This toy produces flashes that may trigger epilepsy in sensitised individuals.

Please note: This product has been manufactured under strict performance guidelines and tested to meet safety standards and requirements. This product is not intended for operators under the age of 8. The manufacturer bears no responsibility for injury or accidents resulting from the use of abnormal parts, excessive wear, improper assembly or operation. Please operate this product in a safe and responsible manner.

Do not dismantle, modify or otherwise alter the operation of this product in any manner. Do not operate this product in an unlawful or illegal manner or as to jeopardize the safety of the operator or others.

UK  
CA

WARNING: Small Parts

