

Brookstone^{*}

FLIGHTFORCE[™] **BATTLING** DRONES

For ages 14+

317876_317906_Battling Drones Size:4"Wx4"H_Output:100%_Prints:1/1,Blk

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CAUTION

- TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER. THERE ARE NO SERVICEABLE PARTS INSIDE.
- TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.



The lightning flash with arrow-head symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the unit's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the unit.

IMPORTANT SAFETY INSTRUCTIONS

All of the safety and operating instructions should be read, adhered to and followed before the unit is operated.

SAVE THESE INSTRUCTIONS

BATTLING DRONES WARNINGS:

- 1. The Battling Drones are designed for INDOOR or OUTDOOR flight.
- 2. The Battling Drones' blades revolve at high speeds and can cause damage to the user, spectators and animals. Stand away from the Battling Drones to reduce the risk of getting into the flight path and always maintain visual contact with the Battling Drones while flying.
- 3. Warn spectators that you will be flying your Battling Drones so that they are aware of their position.
- 4. Before flight, inspect the rotor blades to make certain that the blades are securely fastened to the Battling Drones.
- 5. Before flying, check your local laws and regulations pertaining to drone usage.
- 6. It is recommended to operate the Battling Drones in a wide open space. The ideal space should have a 200-foot radius.
- 7. Parental guidance or adult supervision is suggested at all times.

- 8. If you are flying the Battling Drones with others, make sure all spectators are behind you.
- 9. For best performance, it is recommended that you operate the Battling Drones in zero wind conditions, as wind can greatly affect the performance of the aircraft.

CAUTION: DO NOT ATTEMPT TO FLY THE BATTLING DRONES IF THERE IS RAIN, SNOW, HEAVY WINDS, THUNDER OR LIGHTNING OUTDOORS. IT COULD DAMAGE YOUR PRODUCT AND MAY CAUSE BODILY HARM.



WARNING!

- Choking/Cutting Hazard. Small Parts/Sharp Rotor Blades.
- Keep hands, hair and loose clothing away from the propeller when the power switch is turned to the ON position.
- Turn off the controller and remove the Battling Drones' battery when not in use.
- Not suitable for children under 14 years old. Parental supervision recommended when flying the Battling Drones.



BATTERY WARNINGS

RECHARGEABLE BATTERY (BATTLING DRONES):

This device contains a non-removable Lithium-Polymer battery. The included charger is built specifically for the Battling Drone Li-Poly battery. Do not use it to charge any other battery. The battery must be recycled or disposed of properly. Contact your local waste management office for information on battery recycling or disposal.



CONTROLLER BATTERIES:

- New alkaline batteries are recommended for maximum performance.
- Do not mix alkaline, standard (carbon-zinc) and rechargeable batteries (Nickel Metal Hydride).
- Do not mix old and new batteries.
- · Non-rechargeable batteries are not to be recharged.

- Rechargeable batteries are to be removed from the item before being charged (if removable).
- Rechargeable batteries are only to be charged under adult supervision.
- Exhausted batteries should be removed immediately and must be recycled or disposed of properly according to state or local government ordinances and regulations.
- The supply terminals are not to be short-circuited.
- Only batteries of the same or equivalent type as recommended are to be used.
- Batteries are to be inserted with the correct polarity.
- Do not dispose batteries in a fire batteries may leak or explode.

DANGER

To reduce the risk of electric shock, burns, fire or injury:

- 1. Do not use while bathing or in a shower.
- 2. Do not place or store unit where it can fall or be pulled into a tub or sink.
- 3. Do not place in, drop or submerge in water or other liquid.
- Do not reach for a unit that has fallen into water. Unplug it immediately.
- 5. Care should be taken so that objects do not fall and liquids are not spilled onto the unit.

WARNING

- 1. Close supervision is necessary when this appliance/product is used by or near children or mentally disabled individuals.
- 2. Use this unit only for its intended use as described in this manual.
- 3. Unplug this unit during lightning storms or when unused for long periods of time.
- 4. Never drop or insert an object into any opening.
- Protect the power cord from being walked on or pinched, particularly at plug outlets, convenience receptacles and the point where it exits the unit.
- 6. Do not allow cord to touch hot surfaces. Wrap cord loosely around the unit when storing.
- The unit should be situated away from direct sunlight or heat sources such as radiators, electric heaters, heat registers, stoves, or other units (including amplifiers) that produce heat. Avoid placing on top of stereo equipment that radiates heat.
- 8. Never block the air openings of the unit with materials such

as clothing, plastic bags or papers, or place it on a soft surface such as a bed or couch, where the air openings may be blocked.

- 9. Do not overload the electrical outlet. Use only the power source as indicated.
- 10. Do not carry this unit by its cord or use the cord as a handle.
- 11. Never operate this unit if it has a damaged cord or plug, if it is not working properly, or if it has been dropped or damaged, or dropped into water. If the unit's power supply cord or plug is damaged, do not attempt to fix it yourself.
- 12. To avoid the risk of electric shock, do not disassemble or attempt to repair the unit. Incorrect repair can cause risk of electric shock or injury to persons when the unit is used.
- 13. Do not operate in the presence of explosive and/or flammable fumes.
- 14. Never remove the plug from the outlet by pulling the power cord.

FCC INFORMATION

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

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 distance between the equipment and receiver.

- Connect the equipment to 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 equipment complies with Part 15 of the FCC Rules Operation is subject to the following two conditions:

- 1. This equipment may not cause harmful interference.
- 2. This equipment must accept any interference received, including interference that may cause undesired operation.

Modifications not authorized by the manufacturer may void the user's authority to operate this device.

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limit set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator & your body.

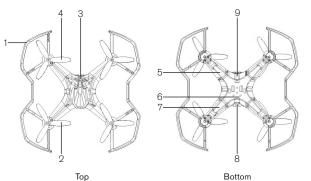
LOCATION OF PARTS AND CONTROLS

Rotor Guard 1.

- IR Receiver 6.
- Rear Rotor Blades (2) 2.
- Rear LED Indicator (2) 7.

З. Battery Door

- 8. On/Off Switch
- Front Rotor Blades (2) IR Transmitter 9 4.
- Front LED Indicator (2) 5.

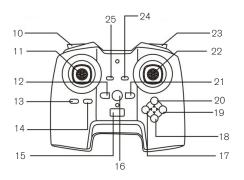


Bottom

LOCATION OF PARTS AND CONTROLS

- 10. Shoot Button
- 11. Throttle Control Stick
- 12. Low Speed Button
- Headless Mode Button 13.
- 14. Return Button
- On/Off Switch 15.
- Calibrate Button 16.
- 17. Left Trim Button

- Backward Trim Button 18.
- 19. **Right Trim Button**
- 20. Forward Trim Button
- 21. High Speed Button
- Direction Control Stick 22.
- 360° Stunt Button 23.
- 24. Hit LED Indicator
- 25. Power LED Indicator



CONTROLLER BATTERY INSTALLATION

- 1. Unscrew the battery cover from the back of the controller as shown in figure A.
- 2. Install 3 AA alkaline batteries (not included) into the controller.
- 3. Replace the battery cover.
- 4. Turn over the controller and turn the ON/OFF SWITCH to the ON position. The POWER LED INDICATOR will flash red to indicate the batteries are installed correctly.

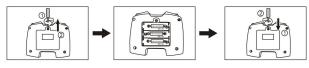


Fig. A

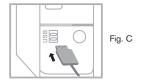
CHARGING THE BATTLING DRONE BATTERY

1. Connect the included battery to the included USB charging cord adapter as shown in figure B.





2. Connect the USB charging cord to your computer's USB port as shown in figure C. The red LED indicator on the charging adapter flashes to indicate charging is in progress.



 When the Battling Drone is fully charged, the charging LED indicator will turn green. Average charging time is approximately 50 minutes. Note: A full charge will allow for about 5-6 minutes of flight time. Unplug the charging cord when not in use.

BATTLING DRONE BATTERY INSTALLATION

- 1. Slide the ON/OFF SWITCH to OFF.
- 2. Press down on the BATTERY DOOR and slide to remove.
- 3. Slide the fully charged battery into the Battling Drone battery compartment.

SYNCING THE BATTLING DRONE

Important! When syncing the Battling Drone with the controller, always make sure that the Battling Drone is on a flat level surface and that your digital trim settings are in the center position. This ensures that the 6-axis gyro is properly programmed to mimic your trim settings.

The Battling Drone utilizes an automatic 2.4Ghz channel selection system that allows up to 8 people to fly side by side in the same wireless range with no interference.

FOR ONE-PERSON PLAY

- Before starting, make sure that the power on the controller is off and the battery has been removed from the Battling Drone. Make sure that there are no other 2.4Ghz devices in the area.
- 2. Insert the Battling Drone's battery and set the Battling Drone down on a flat surface.
- Slide the ON/OFF SWITCH on the Battling Drone to ON. The FRONT AND REAR LED INDICATORS will begin to flash.

- 4. Slide the ON/OFF SLIDE SWITCH on the controller to the ON position. The controller will vibrate.
- 5. Push the THROTTLE CONTROL STICK all the way up. A beep will sound.
- Push the THROTTLE CONTROL STICK all the way down. A beep will sound and the FRONT AND REAR LED INDICATORS will change to solid indicating the controller and the Battling Drone are successfully synced lf not, repeat above steps.

FOR MULTI-PERSON PLAY

- Before starting, make sure that the power on the controller is OFF and the battery has been removed from the Battling Drone. Make sure that there are no other 2.4Ghz devices in the area.
- 8. Each person needs to sync their Battling Drone at a different time to avoid interference. Follow steps 1 to 6 above ensuring that no one else is syncing at the same time.
- 9. After syncing, each player's Battling Drone should be

left ON until all players have synced their Battling Drones.

 Should there be interference, all players must turn off their controllers and Battling Drone for up to 60 seconds and then begin the syncing process again.

PREPARING FOR FLIGHT

- 1. Verify that there are 3 AA batteries inside the remote control unit and the Battling Drone's battery has been fully charged.
- 2. Confirm the Battling Drone's battery is installed and the controller is turned on.
- 3. Make sure to be in a large space with an open radius of at least 50 feet.
- 4. Make sure the empty space has no obstacles or water close by.
- 5. Place the Battling Drone on a clean, flat surface before take-off.

CAUTION: DO NOT ATTEMPT TO FLY THE BATTLING DRONE IF THERE IS RAIN, SNOW, HEAVY WINDS, THUNDER OR LIGHTNING OUTDOORS. IT COULD DAMAGE YOUR PRODUCT AND MAY CAUSE BODILY HARM.

FLYING TIPS

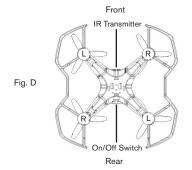
- It is recommended to operate the Battling Drone in a wide open space. The ideal space should have a 200-foot radius.
- Parental guidance or adult supervision is suggested at all times.
- If you are flying the Battling Drone with others, make sure all spectators are behind you.
- For best performance, it is recommended that you operate the Battling Drone in zero wind conditions, as wind can greatly affect the performance of the aircraft.

RECOGNIZING THE FRONT AND REAR OF THE BATTLING DRONE

The Battling Drone has a "front" and a "rear."

The front and forward-facing direction of the Battling Drone is the side with the IR TRANSMITTER as shown in figure D. The LED indicators on the front of the Battling Drone are white.

The rear and backward-facing direction of the Battling Drone is the side with the ON/OFF SWITCH as shown in figure D. The LED indicators on the rear of the Battling Drone are red.



SPEED SELECTION

The Battling Drone has 2 speed settings: Low and High. Low speed is the default setting.

- 1. Press the HIGH SPEED BUTTON to change to High Speed. Two beeps will sound.
- 2. Press the LOW SPEED BUTTON to change to Low Speed. One beep will sound.

FLIGHT CONTROLS

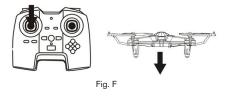
Below is a list of basic flight functions. While learning to fly the Battling Drone it is best to start in a large space until you get used to the basic controls. As you master flying your Battling Drone you can move to more advanced maneuvering techniques.

 Move the THROTTLE CONTROL STICK upward to increase the speed of the propellers and the Battling Drone will accelerate upward and ascend (see figure E).

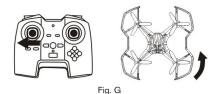


Fig. E

 Move the THROTTLE CONTROL STICK down to decrease the speed and the Battling Done will decelerate and descend (see figure F).



3. Move the THROTTLE CONTROL STICK left and the Battling Drone will rotate left (see figure G).



4. Move the THROTTLE CONTROL STICK right and the Battling Drone will rotate right (see figure H).

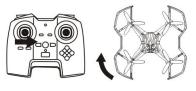
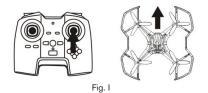
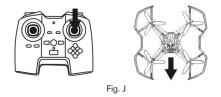


Fig. H

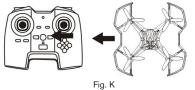
Move the DIRECTION CONTROL STICK up and the 5. Battling Drone will move forward (see figure I).



6. Move the DIRECTION CONTROL STICK down and the Battling Drone will move backward (see figure J).



7. Move the DIRECTION CONTROL STICK left and the Battling Drone will bank to the left (see figure K).



 Move the DIRECTION CONTROL STICK right and the Battling Drone will bank to the right (see figure L).





HEADLESS MODE

When Headless mode is activated, the Battling Drone movements are relative to the controller. When you push forward, backward, left or right, the Battling Drone moves forward, backward, left or right relative to your direction, not the heading of the Battling Drone. This can make flying the Battling Drone much simpler and is recommended for beginners.

- Press the HEADLESS BUTTON to activate Headless mode. Two short beeps will continuously sound and the FRONT AND REAR LED INDICATORS will flash slowly.
- 2. Press the RETURN BUTTON and the Battling Drone will return to its takeoff position.
- To exit Headless mode, press the HEADLESS BUTTON. The FRONT AND REAR LED INDICATORS are solid.

UNDERSTANDING TRIM ADJUSTMENTS

FORWARD/BACKWARD TRIM

- If the Battling Drone is drifting forward or backward, the FORWARD/BACKWARD TRIM may need to be adjusted.
- If the Bettling Drone drifts forward, push and release the BACKWARD TRIM BUTTON back repeatedly until the motion stops and proper flight is maintained.
- If the Battling Drone drifts backward, push and release the FORWARD TRIM BUTTON forward repeatedly until the motion stops and proper flight is maintained.
- The FORWARD or BACKWARD TRIM may need to be adjusted during use to ensure the Battling Drone will hover in mid-air and respond accurately to commands.

RIGHT/LEFT TRIM

- If the Battling Drone is drifting left or right, the LEFT/ RIGHT TRIM may need to be adjusted.
- If the Battling Drone drifts right, push and release the LEFT TRIM BUTTON repeatedly until the motion stops and proper flight is maintained.
- If the Battling Drone drifts left, push and release the RIGHT TRIM BUTTON repeatedly until the motion stops and proper flight is maintained.
- The LEFT or RIGHT TRIM may need to be adjusted during use to ensure the Battling Drone will hover in mid-air and respond accurately to commands.

NOTE: The use of the Trim buttons are accompanied with a beep tone. A single long beep indicates the Battling Drone is center trimmed. Continuous long beeps indicate the Battling Drone is trimmed to the maximum on a particular side.

PERFORMING A 360° STUNT ROLL

- 1. Hover the Battling Drone in still position making sure there is at least 3 feet of clearance above and below Battling Drone.
- 2. Press and hold the 360° STUNT BUTTON. Rapid beeping sounds to indicate the Battling Drone is in stunt roll mode.
- While continuing to press and hold the 360° STUNT BUTTON, quickly push the DIRECTION CONTROL STICK in the desired direction for the 360° stunt roll (see figure M):
- Push forward for a forward roll.
- Push back for a backward roll.
- Push right for a right side roll.
- Push left for a left side roll.
- To exit the 360° stunt roll mode, release the 360° STUNT BUTTON and push the DIRECTION CONTROL STICK in any direction.



Fig. M

COMBAT OPERATION

- 1. Point your Battling Drone towards the opposing Battling Drone and press the SHOOT BUTTON.
- 2. Each player has 3 lives.
- The first time a Battling Drone is hit, the drone shakes, the HIT LED INDICATOR on the controller flashes once and the controller vibrates.
- The second time a Battling Drone is hit, the drone shakes, the HIT LED INDICATOR on the controller flashes twice and the controller vibrates.
- The third time a Battling Drone is hit, the HIT LED INDICATOR on the controller is solid, the controller vibrates and the Battling Drone lands automatically.
- 3. To resume flying, pull the DIRECTION CONTROL STICK all the way down and resume normal operation.

Notes:

- Avoid battling in direct sunlight as the sun can affect the IR signal.
- When battling indoors, the IR signal may bounce off walls affecting accuracy.

LEVEL SURFACE GYRO CALIBRATION

If the Battling Drone becomes unstable during the course of flying, or after a crash, the onboard gyro chip may need to be recalibrated.

- 1. Place the Battling Drone on a flat level surface.
- 2. Sync the controller and the Battling Drone (see page 19 for syncing instructions).
- 3. Press the CALIBRATE BUTTON. The FRONT AND REAR LED INDICATORS on the Battling Drone will flash quickly.
- 4. Once calibration is complete, the FRONT AND REAR LED INDICATORS on the Battling Drone will turn solid to indicate the Battling Drone has been stabilized.

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LOW BATTERY WARNINGS

CONTROLLER

When the controller batteries are low, the POWER LED INDICATOR will flash. Land the Battling Drone slowly and replace the batteries.

DRONE

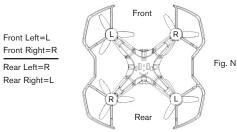
When the Battling Drone's battery is low, the FRONT AND REAR LED INDICATORS will flash. Land the Battling Drone slowly and recharge.

WARNING: Do not attempt a 360° flip when the Battling Drone's battery is low.

REPLACING THE PROPELLER BLADES

The Battling Drone's propeller system is a precision instrument that may need repair or replacement for optimal flight function. Crash landing from high-speed aerial flights may cause damage to your Battling Drone's propellers.

- 1. The Battling Drone has four blades that are labeled with an embossed L or R as shown in figure N.
- 2. When replacing the propeller blades (included), remove the screw then remove the blade from the rotor shaft.
- Replace the damaged blade with the new blade and tighten the screw to secure. Make sure to place the L or R propellers in the correct positions as shown figure O.



TROUBLESHOOTING

ISSUE	SOLUTION
No power (controller)	Switch the ON/OFF switch to ON.
	Make sure all batteries are installed correctly.
	Replace batteries.
No power (Battling Drone)	Recharge the Battling Drone's battery.
Controller not responding	Switch the ON/OFF switch to ON on the controller.
	Conditions are too windy.
	Replace batteries.
Battling Drone won't lift off	Push THROTTLE CONTROL STICK forward.
	Recharge Battling Drone's battery.

TROUBLESHOOTING (CONTINUED)

ISSUE	SOLUTION
Battling Drone descends too fast	Control the THROTTLE CONTROL STICK slower and smoother.
	Recharge the Battling Drone's battery.
Loss of Battling Drone control	Keep the Battling Drone within 150 feet of the controller.

CARE AND MAINTENANCE

- Always remove the batteries from the controller when it will not be used for an extended period of time.
- To clean, gently wipe the Battling Drone and controller with a clean damp cloth.
- Parental guidance recommended when installing or replacing the batteries.

BATTLING DRONE SPECIFICATIONS

Li-Poly Rechargeable Battery
Battery Life Approx. 5-6 min
Charging Time Approx. 50 min
Range
Radio Frequency
Weight 5.3 oz (150.3g)
Dimensions

317906_Battling Drones \x4"H_Output:100%_Prints:1/1,Blk 317876_31790 Size:4"Wx4"H_

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ONE (1) YEAR LIMITED WARRANTY

Brookstone[®] warrants this product against defects in materials and/or workmanship under normal use for a period of ONE (1) YEAR from the date of purchase by the original purchaser ("Warranty Period"). If a defect arises and a valid claim is received within the Warranty Period, at its option, Brookstone will either 1) repair the defect at no charge, using new or refurbished replacement parts, or 2) replace the product with a new product that is at least functionally equivalent to the original product, or 3) provide a store credit in the amount of the purchase price of the original product. A replacement product or part, including a user-installable part installed in accordance with instructions provided by Brookstone, assumes the remaining warranty of the original product. When a product or part is exchanged, any replacement item becomes your property and the replaced item becomes Brookstone's property. When a store credit is given, the original product must be returned to Brookstone and becomes Brookstone's property.

Obtaining Service: To obtain warranty service, call Brookstone Limited Warranty Service at 1-800-292-9819. Please be prepared to describe the product that needs service and the nature of the problem. A purchase receipt is required. All repairs and replacements must be authorized in advance. Service options, parts availability and response times will vary. You are responsible for delivery and the cost of delivery of the product or any parts to the authorized service center for replacement, per our instructions.

Limits and Exclusions: Coverage under this Limited Warranty is limited to the United States of America, including the District of Columbia and the U.S. Territories of Guam, Puerto Rico, and the U.S. Virgin Islands. This Limited Warranty applies only to products manufactured for Brookstone that can be identified by the "Brookstone" trademark, trade name, or logo affixed to them or their packaging. The Limited Warranty does not apply to any non-Brookstone products. Manufactures or suppliers other than Brookstone may provide their own warranties to the purchaser, but Brookstone, in so far as permitted by law, provides these products "as is."

This warranty does not apply to: a) damage caused by failure to follow instructions relating to product's use or the installation of components; b) damage caused by accident, abuse, misuse, fire, floods, earthquake or other external causes; c) damage caused by service performed by anyone who is not a representative of Brookstone; d) accessories used in conjunction with a covered product; e) a product or part that has been modified to alter functionality or capability; f) items intended to be periodically replaced by the purchaser during the normal life of the product including, without limitation, batteries or light bulbs; g) any product sold "as is" including, without limitation, floor demonstration models and refurbished items; or h) a product that is used commercially or for a commercial purpose.

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