

FCC Part 15 C Notice

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 to 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.

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.

INDUSTRY CANADA NOTICE: CANADA ONLY.

This device complies with Industry Canada's low energy FCC standard. 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.

Important: approuvé en conformité avec les normes FCC à faible consommation d'énergie. L'opération est soumise aux conditions suivantes:
 (1) L'appareil ne doit pas produire de brouillage, et (2) l'appareil doit accepter tout brouillage radioélectrique susceptible d'être reçu, y compris le brouillage qui peut causer un fonctionnement indésirable.



Conforms to safety requirements of FCC.
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SKY FORCE™
 2.4GHz Indoor / Outdoor Batting Quadcopter



INSTRUCTION BOOKLET

WARNING: Never leave product charging unattended for extended periods of time. Always disconnect the battery from charger immediately after the battery is fully charged. Please refer to enclosed safety instructions.

PACKAGE CONTAINS:



Colors and styles may vary. PROPEL

ARTICLE NO.	DESCRIPTION	QUANTITY	REVISION	DATE
CS3-Sky Force_Mat	114 x 174MM	1	1	2017/05/12

PROPEL

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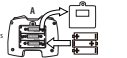
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FEATURES

- 4-axis gyro keeps the Sky Force™ stable in all conditions.
- Push button backflip stunt.
- 2 speed settings for beginner to advanced quadcopter pilots.
- Laser battle game with other Sky Force™ battling drones.
- On board 2.4GHz digital spread spectrum allows up to 8 players to battle simultaneously.

REMOTE CONTROL BATTERY INSTALLATION

1. Unscrew the security screw and remove the battery cover from the back of the controller.
2. Install 3 "AA" alkaline batteries into the controller as shown in diagram A.
3. Replace the battery cover and securely fit.
4. Switch the controller power on you will see the indicator lights up and feel a vibration if the batteries were installed properly.



CHARGING THE SKY FORCE'S LI-POLY BATTERY

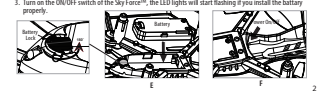
1. Insert the battery lock dislodge 180° to unlock the battery. Plug out the battery from the drone battery compartment (see illustration B).
2. Next, connect the USB charger to your computer's USB port (see diagram C). **Caution:** Only use the USB charger with computer USB port. Do not attempt to use other USB charging devices.
3. The red LED on the charger will start flashing. Plug the battery in the LED light will turn solid. After the battery is fully charged, the LED will turn off.



IMPORTANT: ALWAYS DISCONNECT THE POWER SOURCE (CHARGER) WHEN NOT IN USE!

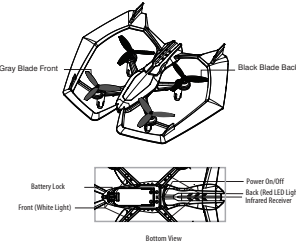
SKY FORCE™ BATTERY INSTALLATION

1. Place the battery into the battery compartment as shown in illustration E.
2. Make sure the battery is placed in the right direction. Then twist the battery lock to lock the battery.

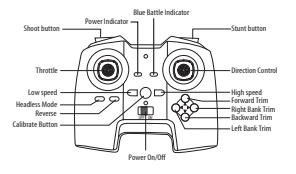


Thank you for purchasing the Sky Force™ 2.4 GHz High-Performance Stunt Drone. Please read this instruction booklet as it contains valuable information on how to properly fly and care for your Sky Force™.

SKY FORCE™ DIAGRAM



CONTROLLER DIAGRAM



WARNING
 DO NOT FLY YOUR SKY FORCE™ IN FOUL WEATHER!



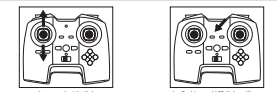
- FLIGHT PREPARATION**
- Verify that there are 3 "AA" batteries installed the remote control unit and the Sky Force™ battery has been fully charged.
 - Make sure to be in a large open space preferably a field or park with an open radius of at least 200 feet.
 - Make sure to start your drone on a clean flat level surface before take off.
 - **IMPORTANT!** Only fly when you have experience in flying your Sky Force™. It is not advised to use in any rate of wind. Wait for a zero wind day or extremely light wind when learning how to fly.

SYNCING YOUR SKY FORCE™

Important! When syncing your Sky Force™ with the controller always make sure that the drone is on a flat level surface and your digital trim settings are in the center positions. This insures that the 4-axis gyro is properly programmed to respond to your trim settings. Your Sky Force™ utilizes an automatic 2.4 GHz channel selection system that allows up to 8 people to fly side by side in the same wireless range with no interference.

1. Before starting, make sure that the power switch is off both on your controller and the Sky Force™.
2. Turn on your Sky Force™ and on it down on a flat level surface. The red and white LED lights of the drone should begin to flash repeatedly.
3. Quickly turn ON the remote and you will notice that the red LED light on the face of the controller should light up and stay solid. The "Battery Indicator" will flash once then off. The lights on the drone will flash slower.
4. Push the left control stick all the way up until it stops and then pull it back all the way down to the bottom (see illustration below). You will hear a high pitched beep when pulling the throttle up and down. The lights on the drone should stop flashing and become solid. If the lights on both the drone and the controller have stopped flashing and become solid you have successfully synced your Sky Force™ and are ready to fly. If the lights on the controller or the drone are still flashing, repeat steps 1-4 again.

*** TIP 1: try not to leave too much time between turning on the drone and the controller or your syncing window will time-out.**
*** TIP 2: Syncing your drone indoors or in the shade will make it easier to see the LED light indicators on both the controller and the drone.**



NOW YOU ARE READY TO FLY!

If you have successfully synced your Sky Force™ to your controller as explained in step 1 you are now ready to fly. Before beginning to fly your drone you should familiarize yourself with how the controls work so please carefully read and familiarize yourself with various control features explain in the next two pages. Again as a beginner pilot you should learn how to control your drone in a large open field or park on a day with zero or very light wind. Do not try to fly your Sky Force™ too high before you become a more experienced pilot.

RECOGNIZING THE FRONT & REAR OF THE SKY FORCE™

Even though the Sky Force™ has four rotors there is still a front or "forward" facing direction and "rear" or backwashed facing direction. The forward front and forward facing direction of the Sky Force™ is the side with two prop blades (see diagram G). The rear and backward facing direction is the side with two back propellers (see diagram G).

NOTE: The front of the controller also displays RED LED light and the rear of the Quadcopter displays RED LED lights.



SPEED SELECT BUTTON

The Sky Force™ has 2 speed settings: SLOW and HIGH. The default setting when you first turn on your Sky Force™ is the SLOW speed mode. For high speed simply press the "High Speed" button (see remote diagram on pg 3) you will hear 2 beeps and the speed changed to HIGH speed. Speed settings can be set before flight or during the flight.

REVERSE BUTTON

The Sky Force™ has an REVERSE feature which allows you to operate your drone fly backward automatically. Simply press the REVERSE button and your Sky Force™ will begin fly backward. To exit the reverse mode simply press the REVERSE button again or push the direction control stick to any direction.

HEADLESS MODE BUTTON

You can maintain orientation of your Sky Force™ during flight.
 1. Once the Sky Force™ is activated press the headless mode button (see controller on pg 3) to activate the internal compass.
 2. The flying orientation is now locked to match the direction control lever.
Note: Before switch to "headless mode" you need place the drone straight ahead right in front of you, Calibrate it first then press the headless mode button.

FLIGHT CONTROL

Below is a list of basic flight functions for your long range remote to control the Sky Force™. While learning to fly your Sky Force™ it is best to start in a large open until you get used to the basic controls. As you master flying your Sky Force™ you can move to more advanced maneuvering techniques. Practice makes perfect!

- Move the Throttle stick up to increase the propeller speed, and the Sky Force™ will accelerate and ascend.
 Move the Throttle stick down to decrease the propeller speed, and the Sky Force™ will decelerate and descend (see diagram H).

- While in the air, move the Throttle stick left and the Sky Force™ will rotate left.
 Move the Throttle stick right and the Sky Force™ will rotate right (see diagram I).

- While in the air, move the Direction Stick up and the Sky Force™ will move forward.
 Move the Direction Control down and the Sky Force™ will move backward (see diagram J).

- While in the air, move the Direction Control left and the Sky Force™ will rotate left.
 Move the Direction Control right and the Sky Force™ will rotate right (see diagram K).

FLIGHT PRACTICE

To master flying your aircraft, try practicing the exercises shown below. Start with simple vertical takeoffs, landings, and left/right turning and landing. Once those are mastered move on to square and cross maneuvers. Good luck and have fun!



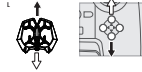
ADJUSTING THE TRIM

NOTE: The Sky Force™ is already properly trimmed and calibrated right out of the box and should not require any trim adjustments before flying. Some more experienced pilots may want to adjust trim settings for their style of flying. After several pushes you may need to adjust trim settings for the Sky Force™ to be more balanced.

Forward/Backward Trim

* If your Sky Force™ drifts forward while in the air, push and release the **BACKWARD TRIM** button repeatedly until the motor stops and proper flight is maintained (see diagram L).

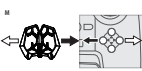
* If your Sky Force™ drifts backward, push and release the **FORWARD TRIM** button repeatedly in the same manner until the problem is resolved.



Bank Right/Left Trim

* If your Sky Force™ drifts left while in the air, push and release the **RIGHT TRIM** button repeatedly until the motor stops and proper flight is maintained (see diagram M).

* If your Sky Force™ drifts right, push and release the **LEFT TRIM** button in the same manner until the problem is resolved.



NOTE: The use of the Trim buttons utilizes sounds. A single long beep indicates the product is center trimmed. If there is no beep sound after pressing the trim button, it indicates the maximum range of the trim on a particular axis.

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CALIBRATING THE SKY FORCE™

NOTE: Your Sky Force™ comes pre-calibrated out of the box so you are ready to fly. After several crashes and back to your gyms sensors, you may notice that your drone is drifting and not holding its center position as well as it used to. This most likely means that you need to recalibrate the 6 axis gyros. Please follow the simple instructions below.

1. Place the Sky Force™ on a flat level surface.
2. Make sure the Sky Force™ is on and that the controller is synced (refer to syncing pg 4). Do not start the blades. Press the "calibrate button". You will see the lights on the drone rapidly flash and then stop. Once the lights stop flashing you have completed your calibration and are ready to fly!

TROUBLE SHOOTING: If you do not see the lights flash, restart your controller and the Drone again. Always make sure to put your battery in the copter first, then turn on your controller. Push the left throttle stick up all the way and then pull back down all the way. When you hear the beep the Sky Force™ is synced to the controller and you are ready to calibrate.



INTERACTIVE BATTLE MODE

Get ready for aerial combat missions with your friends.

Preparation for Mission:

1. Make sure all landing quadcopters are fully charged, properly synced and ready to fly (refer to SYNCING YOUR Sky Force™).

READY, AIM, FIRE!

1. While your Sky Force™ is in flight, aim the front side of your Sky Force™ to your opponent's Sky Force™ and press the **SHOOT** button on the top of your remote control (see diagram on pg 3).
2. If you score first hit, your opponent's remote control will vibrate one short time, the Sky Force™ will swing one time, in the mean time the indicator lights will flash one time.
3. If you score second hit, your opponent's remote control will vibrate two short times, the Sky Force™ will swing one time, in the mean time the indicator lights will flash two times.

THREE STRIKES YOU'RE OUT!

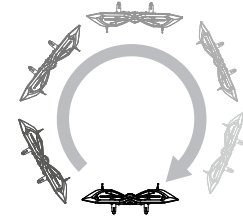
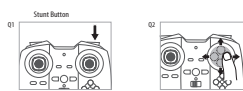
4. On the third direct hit, your opponent's remote control will vibrate one long time, your opponent's Sky Force™ indicator lights will flash three times and your opponent will not be able to control the quadcopter. The quadcopter will gradually descend to the ground. Mission accomplished!
5. Once the quadcopter fully stops, your opponent can pull the throttle all the way down to recover (reset) and will be ready for the next flight.

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HOW TO PERFORM BACK FLIP STUNT

Performing back flip stunt with the Sky Force™ is as easy as 1-2-3:

1. Hover the Sky Force™ in still position making sure that you have at least 5 feet of clearance above and below the quadcopter.
2. Press and release the **start** button and you will enter the start flip mode. The controller will start beeping (see diagram Q1).
3. Push the right control stick in any direction your Sky Force™ will flip backwards 360° (see diagram Q2). After your flip, it will automatically exit the stunt mode.
4. To exit the Start flip mode manually, simply press and release the **start** button. The controller will stop beeping.



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TROUBLESHOOTING YOUR SKY FORCE™

PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
No Power	1. Power switched off. 2. Battery is discharged. 3. Batteries may be low or in need of charging.	1. Switch the ON/OFF switch to ON. 2. Make sure all batteries are installed correctly (see diagram A on pg 2). 3. Replace batteries.
Drone Not Responding	1. Remote is switched off. 2. Battery power in remote is too weak. 3. The remote is not properly synced. 4. Out of range.	1. Switch the ON/OFF switch to ON. 2. Connect the battery to the Sky Force™. 3. Re-sync the remote. 4. Use a flight beyond 300 feet.
Drone Won't Fly Off	1. Motor speed too slow. 2. Drone not fully charged. 3. Obstruction of rotors.	1. Push throttle lever forward. 2. Recharge your Sky Force™. 3. Check rotors for hair or other obstructions.
Drone Descends Too Fast	Moving the throttle down too quickly. Flying in high wind or bad weather.	Control the throttle slower, use auto land feature. Do verify in bad weather.

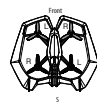
If you continue to encounter problems call our customer service line at (949) 566-9573 Ext 1 for assistance.

REPLACING THE PROPELLER BLADES

Your Sky Force™ propeller system is a precision instrument that may need repair or replacement from time to time for optimal flight function. Crash landing at high speed may cause damage to your Sky Force™ propellers.

1. The Sky Force™ has four blades, two gray blades in the front, and two black blades in the back (see the diagram S).
2. When replacing the propeller blades, make sure to match both the color of the blade and the indication letter on the blade.
3. Replace the damaged blade with the correct blade.

Gray Blade Front Left = L
Gray Blade Front Right = R
Black Blade Back Left = L
Black Blade Back Right = L



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SKY FORCE™ WARNING:

The Sky Force™ is designed for indoor & outdoor use. The Sky Force™ blades rotate at high speeds and can cause damage to the user, spectators and animals. Stand away from the Sky Force™ to reduce the risk of getting into the flight path. Warn spectators that you will be flying your Sky Force™ so that they are aware of its position. Before flight, inspect the rotor blades to make sure that the blades are securely fastened to the Sky Force™.

WARNING:

- Choking/Cutting Hazard. Small Parts/Sharp Rotar Blades.
- Keep hands, hair and loose clothing away from the propeller when the power switch is turned to the ON position.
- Turn off the transmitter and Sky Force™ power switches when not in use.
- The included charger is built specifically for the Sky Force™ Li-Poly battery. Do not use it to charge any other battery.
- Never disassemble batteries, are recommended for maximum performance.
- Parental supervision recommended when flying Sky Force™.

BATTERY WARNINGS

RECHARGEABLE BATTERY:

The Sky Force™ uses a Li-Poly rechargeable battery. If battery no longer stays charged, dispose of battery properly according to local disposal requirements.

CONTROLLER BATTERIES:

- Remote control requires 3 "AA" batteries (not included).
- Please read the important battery safety warning below.
- 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 (see inside booklet for diagram).
- Do not dispose batteries as a fire. Batteries may leak or explode.

CARE AND MAINTENANCE

- Always remove the batteries from the wireless remote control when it is not being used for an extended period of time.
- To clean, gently wipe the remote control and Sky Force™ with a clean damp cloth.
- Keep the toy away from direct heat or sunlight.
- Do not submerge the toy in water. This can damage the unit beyond repair.
- Parental guidance recommended when installing or replacing the batteries.

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