



Art Release for Production (Mechanical)

Sky Instructions Domestic

File Name: SV_Nano_Drone_IS_050215_F1.ai
Revision:
Licensor Approval Date:
Production Release Date: 05/02/15
Production Artist: Hanjin Park
Colors: Pantone 294
Trim Size:
Notes:



TROUBLESHOOTING

PROBLEM	SOLUTION
Drone is unresponsive or behaving erratically	<ul style="list-style-type: none"> Drone may be miscalibrated by launching from an unlevel surface. Turn the remote off. Turn off the Drone for 30 seconds, then turn them back on and try again from a flat, level launching surface. Ensure your remote is within unobstructed view of Drone and you are within 30 feet range. Ensure the remote has fresh batteries and the LiPo battery is fully charged. Inspect Drone for any possible damage. Turn the remote off and turn off the Drone for 30 seconds then turn them back on and try again from a flat, level launching surface.
All blades spin, but Drone will not fly properly	<ul style="list-style-type: none"> Drone's blade may have been installed incorrectly. Reinstall and remember that the GREEN blades point forward.
Drone drifts in any direction during flight without direction from the remote	<ul style="list-style-type: none"> Adjust the trim controls until drifting ceases, see page 7.
Drone crashes immediately	<ul style="list-style-type: none"> Propellers may be installed in the wrong position. Ensure proper installation.
Drone crashes when attempting stunt functions	<ul style="list-style-type: none"> Ensure that Drone is flying a minimum distance of 6 feet from the ground with a minimum 6 feet clearance in all directions.

www.skyrockettoys.com/products/sky-viper

Customer Service :
888-674-5650

#skyviper



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SKYVIPER™

M200 NANO DRONE

12+

INSTRUCTION GUIDE

CONTENTS



Remote Control



RC Nano Drone



4 Replacement Blades



USB Charging Cable

Remove all packaging attachments before giving the toy to a child.

Not suitable for children under 3 years due to small parts that could be swallowed.

Conforms to product safety standards ASTM F963.

Keep instructions for future reference. Do not discard.



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 to this unit 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.

1A

SIZE: 297 x 210mm (folds to 148.5 x 210mm)
BACK COVER / FRONT COVER

ADULT SUPERVISION REQUIRED

Before each use, an adult should check this product and the LiPo battery to ensure no damage or hazards exist. Drone has rotating blades that move at high speed, posing danger of damage and injury. Pilots are responsible for any actions that result in damage or injury from the improper operation of Drone. Adequate flying space is required. Avoid flying near interior fans and/or vents as they may make flying difficult to control. Keep a safe distance away from streets, public thoroughfares and power lines. Never attempt to retrieve Drone from any location higher than your reach (such as rooftops or trees) or from any location that poses a safety hazard. Never fly Drone at night. Keep Drone in sight at all times during operation. Discontinue operation immediately if Drone flies out of your field of view. Do not fly near spectators or animals. Pets can become excited about R/C vehicles therefore keep away from pets at all times. Keep spinning rotors away from fingers, hair, eyes and other body parts. Always launch from a flat surface. Never leave Drone unattended while it is turned on. Read all enclosed information before operating.

THIS PRODUCT CONTAINS A LITHIUM-POLYMER BATTERY 3.7V 100mAh:

LiPo batteries have a severe risk of fire and injury if they are improperly handled or misused. They may explode, overheat or ignite. Read all following precautions and instructions regarding the care and use of LiPo batteries. The built-in LiPo battery is only to be used with the vehicle and charger included with this product.

- Keep away from flammable materials.
- Do not expose to direct sunlight.
- Do not place in fires or leave in hot places.
- Do not drop or make subject to strong impact.
- Keep dry and away from water.
- Remove exhausted batteries as soon as possible and discard properly.
- Remove all batteries from the compartment if toy is not used for a long period.
- The supply terminals are not to be short circuited.
- Never throw batteries in a fire or attempt to open outer casing.

LiPo Battery Disposal: LiPo batteries must be recycled or disposed of properly. They should not be disposed of with other household waste. Check your local laws and regulations for correct recycling and/or battery disposal.

ALKALINE BATTERY CAUTIONS

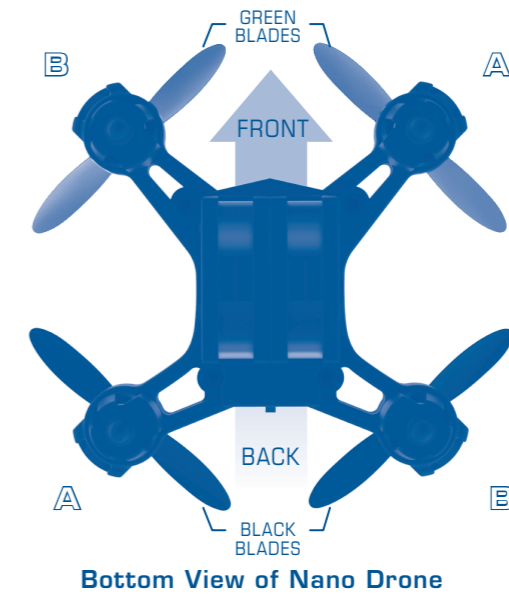
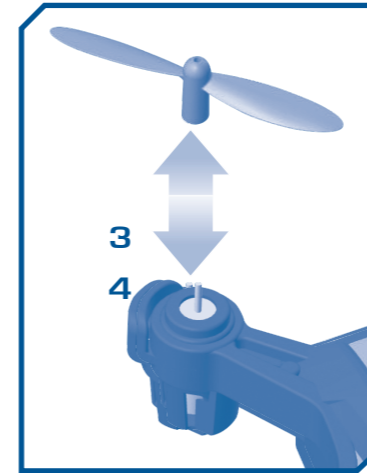
- Do not use rechargeable batteries.
- Non-rechargeable batteries are not to be recharged.
- Different types of batteries or new and old batteries are not to be mixed.
- Batteries are to be inserted using correct polarity.
- Remove exhausted batteries as soon as possible and discard properly.
- Remove all batteries from compartment if toy is not used for a long period.
- The supply terminals are not to be short-circuited.
- Never throw batteries in a fire or attempt to open the outer casing.

WARNING: Batteries are harmful if swallowed. Please keep away from children.

Battery Disposal: Dispose of batteries according to the local laws and regulations of your region. Some batteries may be recycled, and may be accepted for disposal at your local recycling center. If you are not able to identify the applicable rules in your area, please check the instructions of the battery manufacturer.

CHANGING DAMAGED PROPELLERS

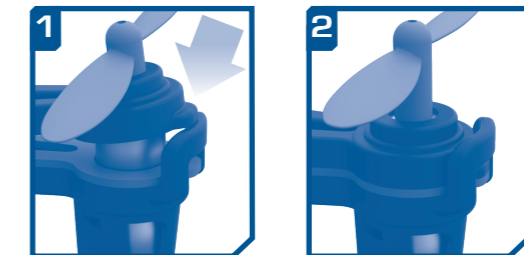
- 1 Turn off the Nano Drone.
- 2 Make note of the blade color and letter (A or B) before removing the blade from Drone. (Markings are located on the underside of blades and Drone).
- 3 Pull up on the damaged blade to remove.
- 4 Press on a new blade.



WARNING: Do not fly with broken or damaged propeller blades as it may cause damage or lead to injury.

WHEN the top shell comes up after crash:

- Snap back into place using clips.



MAINTENANCE

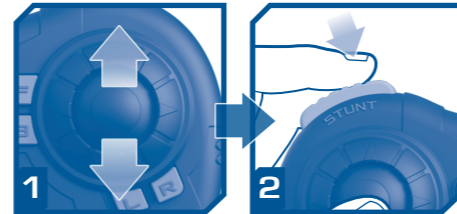
- Over time loose hair or carpet fibers might get wound in propellers, reducing performance. Turn off the Drone and remove fibers from motors. (Remove blades if necessary).

ONE TOUCH STUNTS

BARREL ROLL

While flying forward (or reverse), press the **STUNT BUTTON**.

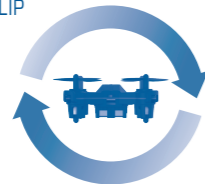
NOTE: Once a stunt has been initiated, DO NOT adjust Throttle or press any other controls until the stunt has been completed).



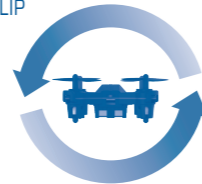
FLIP

- 1 Bring the Drone to a mid air hover without flying in any direction. Remove finger from the **DIRECTION STICK**
- 2 While **HOVERING**, press and hold the **STUNT BUTTON**.
- 3 While still holding the **STUNT BUTTON**, tap the **DIRECTION STICK** in the direction you want to the drone to flip.

RIGHT FLIP



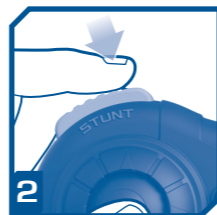
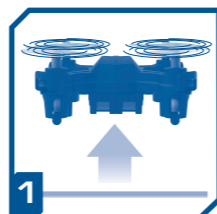
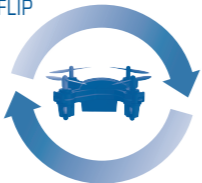
LEFT FLIP



FRONT FLIP



BACK FLIP



CAUTION!

Drone should be flying at least 6 feet in the air with a minimum clearance of 6 feet in all directions before attempting stunt functions.

CHARGING & CARING FOR LIPO BATTERY IN THE DRONE

- 1 Turn OFF Remote Control & Drone.
- 2 Plug small end of the CHARGING CORD into the back of the Drone.
- 3 Plug the large end of the CHARGING CORD into a computer or USB power block.
RED LIGHT = CHARGING
GREEN LIGHT = FULLY CHARGED
- 4 Charge battery until full.
- 5 Once charged, unplug the large end of the CHARGING CORD from the USB port.
- 6 Unplug small end of the CHARGING CORD from the back of the Drone.

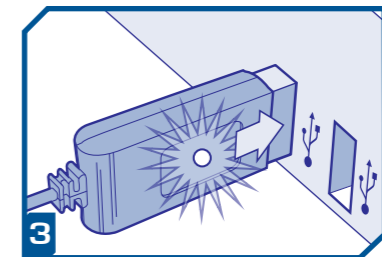
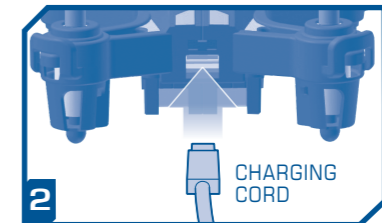
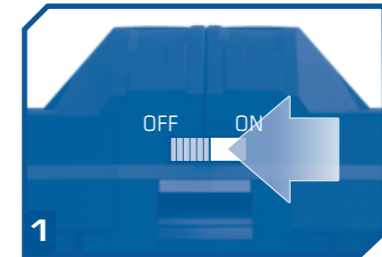
NOTE:

Always turn OFF the Drone when not in use.

CHARGING PRECAUTIONS:

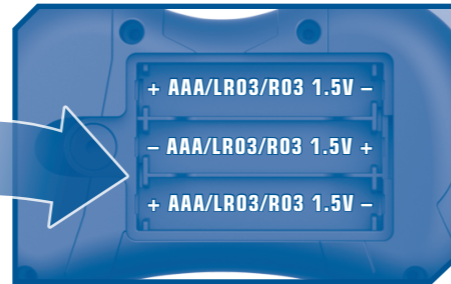
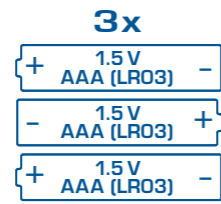
After use, allow Drone (battery on bottom) to cool down to room temperature before charging again.

- Charge Drone in an isolated area, away from excessive heat or moisture.
- If you suspect that the battery is damaged or swelling, turn off the drone immediately.
- Do not modify, heat, or wet the battery in any way. Only recharge with provided charger.



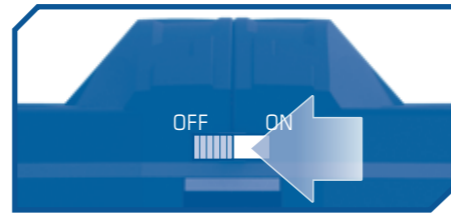
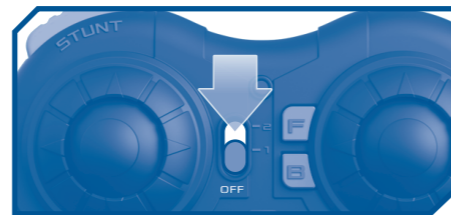
INSTALLING REMOTE BATTERIES

Loosen screw in the Remote Control battery compartment door with Philips screw driver and insert batteries as shown. Replace door and tighten screw.



WHEN NOT IN USE:

- Always turn **OFF** the Remote Control and the Drone, when not in use or when being stored or transported.
- Store the Remote Control and Drone in a dry area at room temperature.
- Avoid temperatures less than 40°F/4°C and greater than 120°F/49°C.
- Do not leave the Remote Control or Drone in a car or exposed to direct sunlight. If exposed to temperatures greater than 120°F/49°C, the Remote Control or Drone batteries can be damaged or may catch fire.



AUTO SHUTDOWN:

- If battery voltage drops to an extremely low level, Drone will automatically shutdown. The Nano Drone will need to be recharged to restore flying power.
- If anything prevents Drone's blades from spinning or they become jammed, Drone will automatically shutdown. To restore flying power, turn OFF the Drone and then turn it ON again.

FLYING TIPS

- When launching the Drone, face the same direction as the Drone. Green blades and Green LEDs should be in front.
- Practice launching, hovering and landing before attempting to learn other moves.
- Flying 2 to 3 feet above the ground will reduce ground turbulence and make flying easier.
- When first attempting to fly in different directions, start by tapping the Direction stick until you have a feel for it. Always move controls slowly until you become comfortable operating the Drone.
- Once you've mastered flying in directions, practice Rotational controls. Spinning and keeping Drone facing the same direction you are facing makes flying easier and more intuitive.
- Stay 2 to 3 feet away from walls and ceilings as Drone will be drawn towards them if you fly too close.
- If propeller blades come in contact with another object or you crash, throttle down immediately to prevent possible or further damage.
- If anything prevents Drone's blades from spinning or they become jammed, **THROTTLE DOWN IMMEDIATELY**. Do not attempt to fly until obstruction has been removed and damage fixed.
- Should something prevent Drone's blades from spinning, Drone may **AUTO SHUTDOWN**. The Drone will need to be turned off, then back on, to restore flying power.
- If the Drone flies too far away, beyond the control range of the remote, the Drone will **AUTO-LAND** to prevent the Drone from flying away out of control.
- Occasionally, check that the two halves of the Drone body are not separating. If they are, simply press gently and snap them back together.

FLIGHT SENSITIVITY ADJUSTMENT

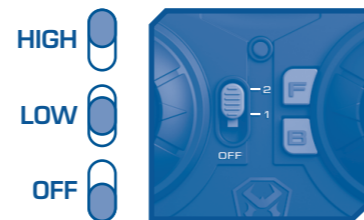
Drone responsiveness may be adjusted on the Controller to match your flying skills.

There are two choices:

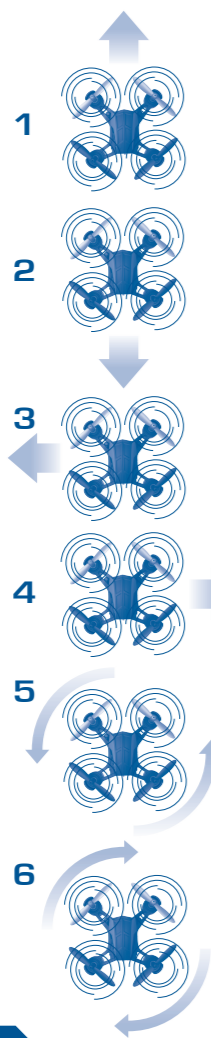
1- LOW SENSITIVITY **2- HIGH SENSITIVITY**

It is best to start in the **LOW SENSITIVITY** position until you have mastered flying.

Flight sensitivity can be adjusted before or during flight.



TRIM ADJUSTMENTS

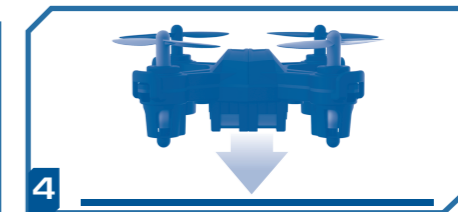
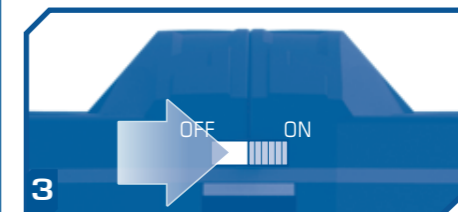
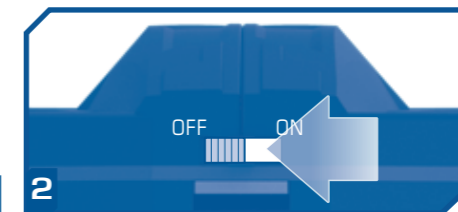
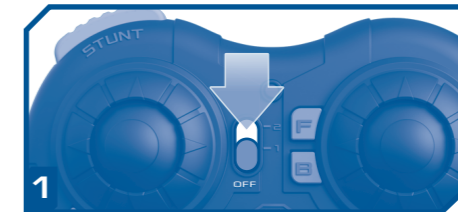


If Drone drifts in any direction while hovering (and you are not pressing the Direction stick), you may need to make trim adjustments. Safely land Drone on a level surface. Press the recommended Trim button as described below. (Remark - When the remote LED flashes 3 times quickly, the trim just goes back to the middle of trim range). You still need to trim it as described if you find drone drift. Launch Drone back into the air and attempt another still hover. If Drone continues to drift, repeat the process until a still hover is achieved:

- Drone drifts forward (Fig. 1)
– Press the **B** button
- Drone drifts backward (Fig. 2)
– Press the **F** button
- Drone drifts to the left (Fig. 3)
– Press the **R** button
- Drone drifts to the right (Fig. 4)
– Press the **L** button
- Drone spins counter-clockwise, when viewed from the top (Fig. 5)
– Press the **↺** button
- Drone spins clockwise, when viewed from the top (Fig. 6)
– Press the **↻** button

CALIBRATING & LAUNCHING

- 1 Turn **OFF** Remote Control.
- 2 Move the switch on the rear of the Drone to the **OFF** position.
- 3 Now move the same switch on the Drone to the **ON** position.
- 4 Quickly place the Drone on a **FLAT LEVEL SURFACE**.
- 5 Turn Remote Control **ON** (Middle position).
- 6 Slowly push remote control **THROTTLE STICK UP** until Drone lifts into the air.

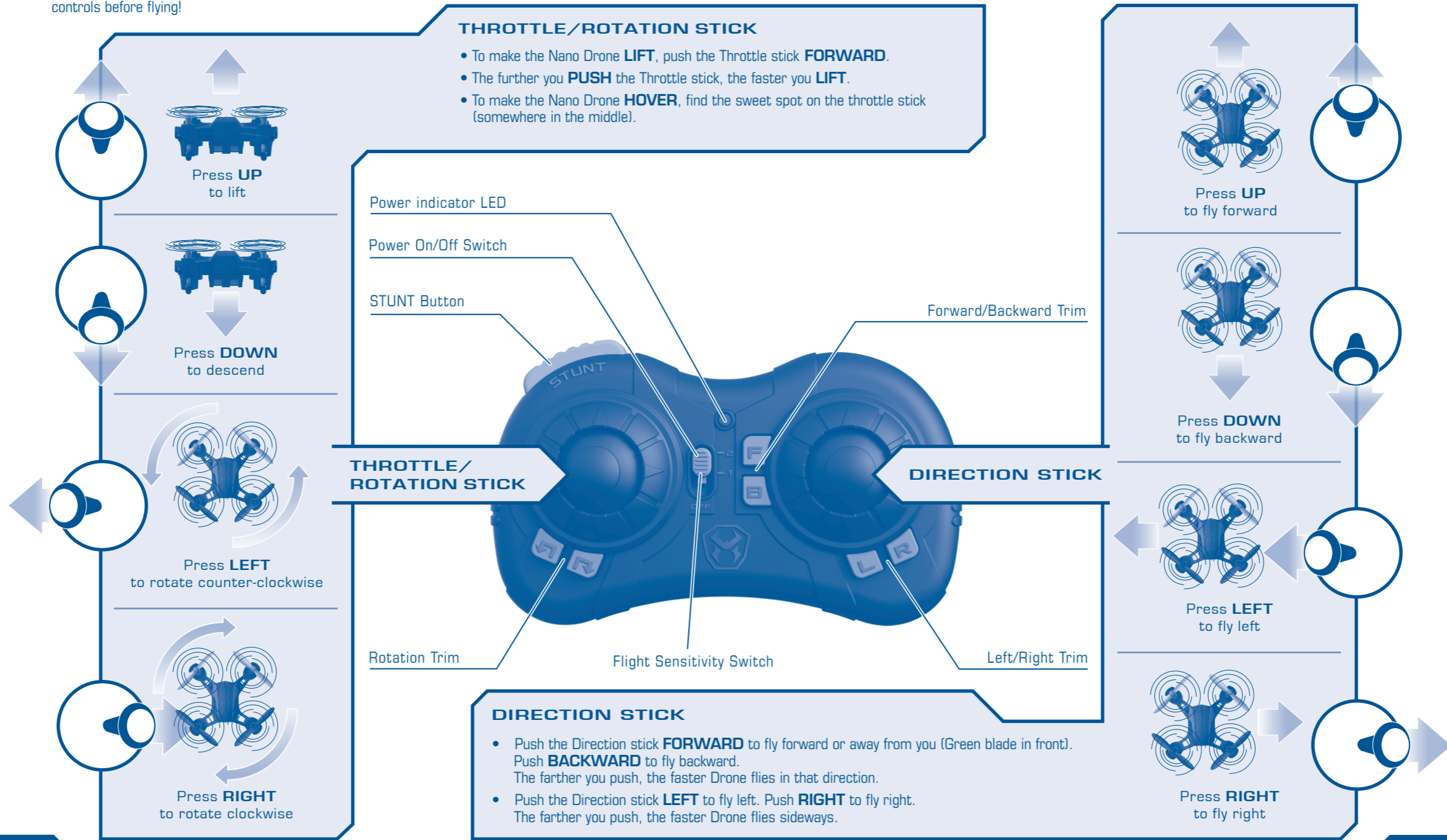


IMPORTANT: YOU ONLY HAVE A FEW SECONDS AFTER THE DRONE IS SWITCHED ON TO PLACE THE DRONE ON A LEVEL SURFACE FOR PROPER CALIBRATION. IF DRONE DOES NOT RISE TO A STABLE HOVER OR FLIES ERRATICALLY, REPEAT STEPS 1 THROUGH 6.

CAUTION: NEVER APPROACH DRONE WHILE THE PROPELLER BLADES ARE STILL SPINNING. THROTTLE DOWN UNTIL THE BLADES STOP THEN TURN OFF REMOTE BEFORE ATTEMPTING TO HANDLE DRONE.

FLIGHT CONTROLS

Familiarize yourself with Drone's controls before flying!



5

6

3B

SIZE: 297 x 210mm (folds to 148.5 x 210mm)

PAGE 5 / PAGE 6