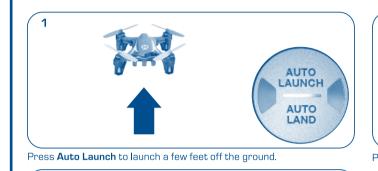
# SKYØVIPER M500 NANO DRONE

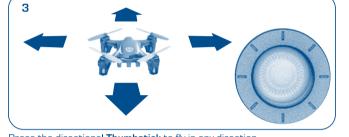
# **FLYING GUIDE**

### **POWERING UP AND PAIRING (WITH ALTITUDE ON)**

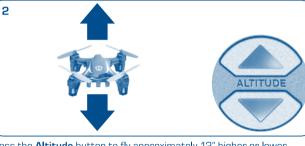


### **FLYING BASICS**

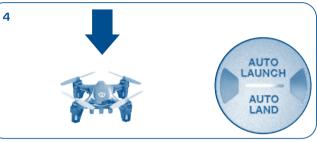








Press the Altitude button to fly approximately 12" higher or lower.



Press the Auto Land button to land.

- **TOGGLE INTO MANUAL FLIGHT BEFORE TAKE-OFF**
- Hold stunt button and press auto land/auto launch button and a tone will sound from the remote. Make sure your throttle stick is in the down position.
- Push the throttle stick up to begin manual flight.

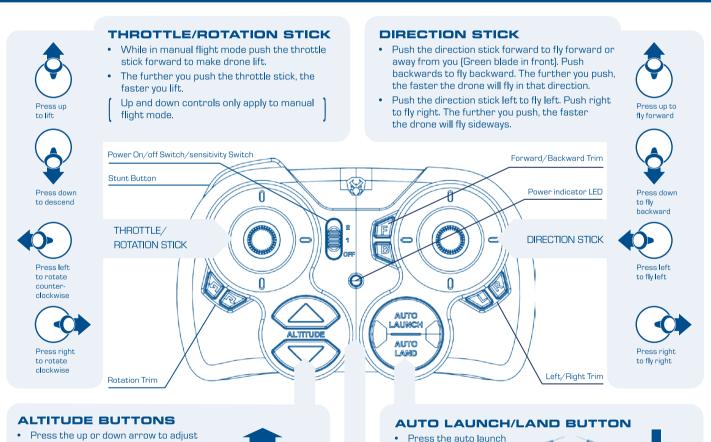
### TOGGLE INTO MANUAL FLIGHT WHILE IN AUTO-HOVER

- Hold stunt button and press auto land/auto launch button and a tone will sound from the remote. Make sure your throttle stick is in the down position.
- After the tone is heard, move the throttle stick up until the drone starts to rise. (If throttle is not matched in 5 seconds then manual flight will be cancelled.)

### TOGGLE INTO AUTO HOVER WHILE IN MANUAL FLIGHT

• Press either the up or down altitude locking button to toggle back into auto hover. (Your drone will hover at the current throttle.)

### FLIGHT CONTROLS



### FLYING TIPS

- When launching the drone, face the same direction as the drone. Green blades and green LEDs should be in front.
- If your drone drifts in any direction when you are hovering, you will need to make Trim adjustments to correct the driving. Trim adjustments are sometimes needed when the drone is first flown after purchase. See TRIM ADJUSTMENTS section for details.
- 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 as you 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 or auto land immediately to prevent possible or further damage.
- If anything prevents drone's blades from

the drone's altitude. The drone will lift or lower approximately 12" each time the up or down arrow is pressed. (Distance may vary.)

• Hold the up or down buttons for continuous lift or descent.



button to launch a few feet from the ground. [Exact height may vary.]

 Press the auto land button to land the drone by itself.



down or auto land 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. LiPo battery will need to be unplugged then reconnected 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.

### FLIGHT SENSITIVITY SWITCH

The Drone's responsiveness may be adjusted on the Controller to match your flying skills. There are three 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.



**Online Video** Instructions & Flying Tips available now at SKYVIPER.COM

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### TRIM ADJUSTMENTS

If the drone drifts in any direction while hovering (and you are not pressing the direction stick), you may need to make trim adjustments. Press the recommended trim button as described below to make adjustments.

Tip 1: When the remote LED flashes 3 times quickly, the trim will revert back to middle of trim range.

Tip 2: If you are uncomfortable trimming the drone in flight, you can land onto a flat surface and make your trim adjustments.

If the drone drifts forward Press B button

PROBLEM

Drone drifts in any

the remote

Drone is

unresponsive

direction during flight without direction from

All blades spin, but drone

will not fly properly or crashes immediately

Drone crashes when

information before operating.

Learn and practice maneuvers on your phone,

- Download the Sky Viper Flight Simulator app for free!

then apply your new skills in real life.

- Practice & Challenge Simulations - 1st and 3rd Person Views

- Choose from the entire Sky Viper fleet

**CHARGING THE DRONE** 

- Auto & Manual Flight Modes

attempting stunt

functions

TROUBLESHOOTING



If the drone drifts left Press R button



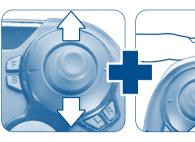
If the drone drifts right - Press L button

### ONE TOUCH STUNTS

**BARREL ROLL** While flying forward (or reverse), tap the stunt button

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

Trim adjustments will remain saved until remotes batteries



### FLIP

Bring the drone to a mid-air hover without flying in any direction. Remove finger from the direction stick

3 Then quickly tap the direction stick in the direction you want the

If the drone spins clockwise

when viewed from the top

- Press 🗖 button





CAUTION!

**REMOTE BATTERIES** 

3 x1.5 V AAA (LRO3)

tighten screw.

**CHARGING PRECAUTIONS:** 

to room temperature before charging again.

AAA

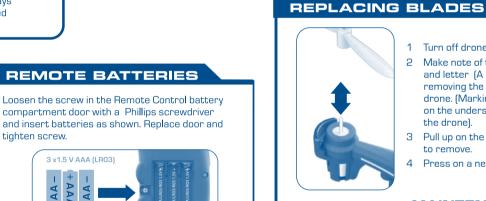
After use, allow drone (battery on bottom) to cool down

Charge drone in an isolated area, away from excessive

If you suspect that the battery is damaged or swelling,

Do not modify, heat, or wet the battery in any way. Only

The 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.



Turn off drone. 1

Make note of the blade color 2 and letter (A or B) before removing the blade from the drone. (Markings are located on the underside of blades and the drone).

- З Pull up on the damaged blade to remove
- Press on a new blade.

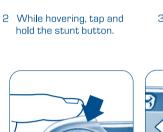
### MAINTENANCE

Over time, loose hair or carpet fibers may get wound in blades, reducing performance. Unplug the Drone and remove fibers from motors. (Remove blades if necessary)

### CONTENTS

- Nano Drone
  - USB Charging Cable
    - Remote Control
    - 4 Replacement Blades

drone to flip



NOTE:

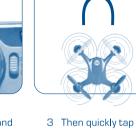
are removed.

If the drone spins counter-clockwise,

when viewed from the top

– Press 🗖 button

NOTE:



# If the drone drifts backwards - Press F button

Adjust the trim controls until drifting ceases.

from a flat, level launching surface.

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)

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

or from any location that poses a safety hazard. Never fly drone at night. Keep drone in sight at all

launch from a flat surface. Never leave drone unattended while it is turned on. Read all enclosed

DOWNLOAD THE SKY VIPER FLIGHT

SIMULATOR APP ON YOUR DEVICE

Inspect drone for any possible damage.

remember that the GREEN blades point forward.

SOLUTION

fully charged.

ADULT SUPERVISION REQUIRED



Drone's blade may have been installed incorrectly. Reinstall and

Ensure the remote has fresh batteries and the LiPo battery is

Ensure that drone is flying a minimum distance of 6 feet from the

ground with a minimum 6 feet clearance in all directions.

Drone may be miscalibrated by launching from an un-level surface. Turn the remote off. Turn off the drone then turn them back on and try again

## computer or USB

Turn off drone

2 Plug charging

cord into

### 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

Plug in USB cable

Green light = fully

3 Red light =

charging

charged

App Store

Google Play

The built-in LiPo battery is only to be used with the drone and charger included with this product

- Keep away from flammable materials.
- Do not expose to direct sunlight.

Charging cord

Turn drone off.

cord to plug on

Connect charging

- 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.
- 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 ALKALINE BATTERY CAUTIONS
- Do not use rechargeable batteries.
- Different types of batteries or new and old batteries are not to be mixed. Batteries are to be inserted using correct polarity.
- 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 centre. If you are not able to identify the applicable rules in your area, please check the instructions of the battery manufacture

recycling and/or battery disposal

- 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.

heat or moisture

Remove exhausted batteries as soon as possible and discard properly

- Remove all batteries from compartment if toy is not used for a long period. Never throw batteries in a fire or attempt to open the outer casing.

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. BC

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MADE IN CHINA

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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 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.

The supply terminals are not to be short circuited.

turn off the drone immediately.

recharge with provided charger.

Never throw batteries in a fire or attempt to open outer casing.

Keep instructions for future reference. Do not discard.