

## Sky Viper 18721

# Sky Viper Vista HD Video Drone User Manual

Brand: Sky Viper | Model: 18721

### INTRODUCTION

The Sky Viper Vista HD Video Drone offers an immersive flying experience with its high-definition video recording and live streaming capabilities. Designed for ease of use, it features built-in autopilot, advanced optical flow ground tracking, and hands-free position hold, making it suitable for both beginners and experienced pilots. This manual provides comprehensive instructions for setting up, operating, maintaining, and troubleshooting your drone to ensure optimal performance and enjoyment.

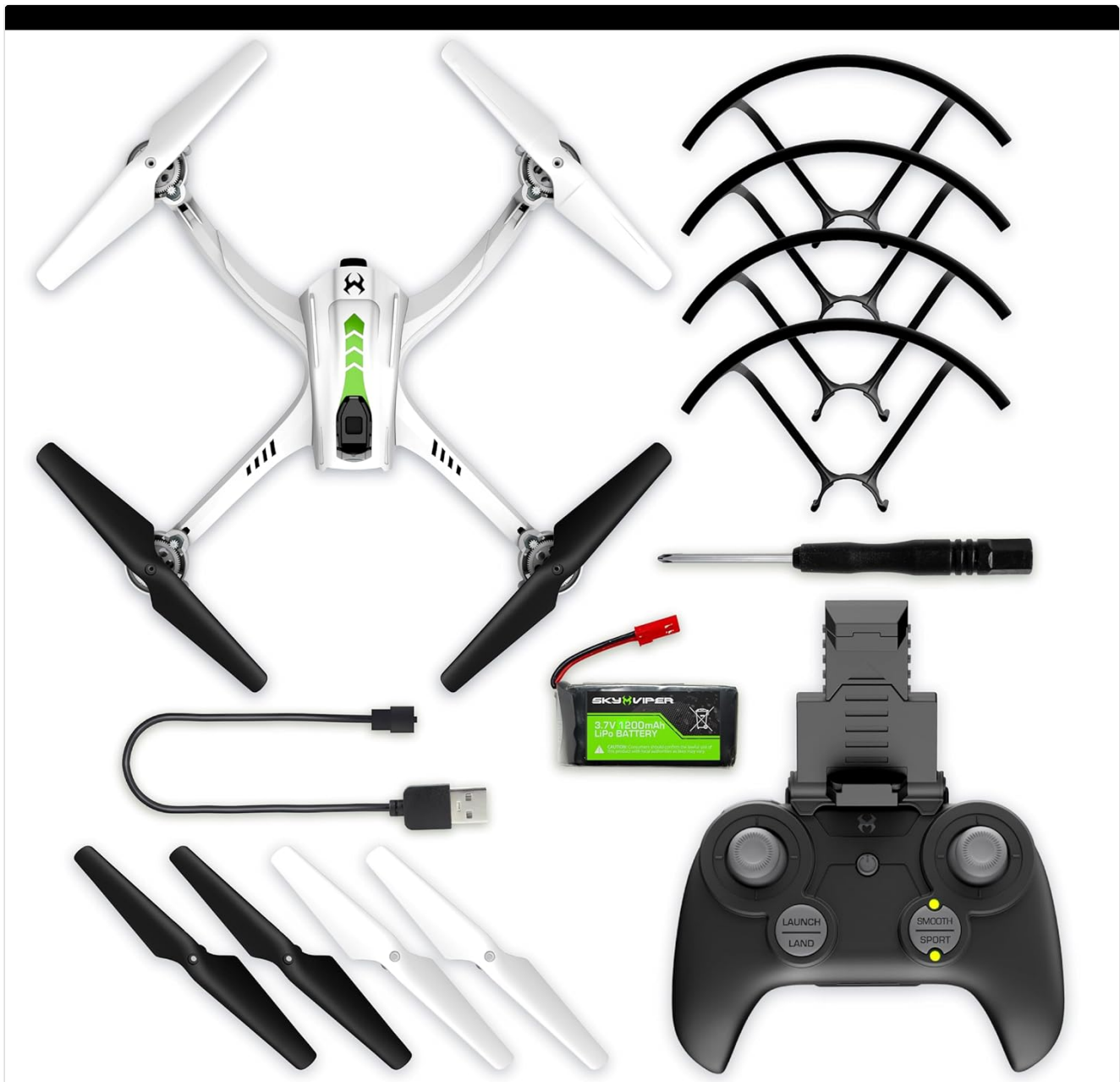


The Sky Viper Vista HD Video Drone, its controller, and a smartphone mounted for live video feed.

## PACKAGE CONTENTS

Before you begin, please ensure all items listed below are present in your package:

- Sky Viper Vista HD Video Drone with Camera
- 2.4 GHz Transmitter (Remote Control)
- Phone Mount for Transmitter
- Removable Rechargeable 3.7V 1200 mAh LiPo Battery
- Charging Cable (USB)
- Optional Protective Blade Guards (4 pieces)
- Extra Set of 4 Replacement Propellers
- Product Manual (this document)



All components included in the Sky Viper Vista HD Video Drone package.

## Safety Information

### **WARNING: CHOKING HAZARD - Small parts. Not for children under 3 years.**

Always operate the drone in open, clear areas, away from people, animals, and obstacles. Do not fly near airports or restricted airspace. Adult supervision is recommended for younger users. Ensure propellers are clear before powering on. Do not attempt to modify the drone or its components.

## Setup Guide

1. **Charge the Drone Battery:** Connect the provided USB charging cable to the 3.7V 1200 mAh LiPo battery and a USB power source. The charging indicator will show when charging is complete.
2. **Install Controller Batteries:** The 2.4 GHz transmitter requires 3 AAA batteries (not included). Open the battery compartment on the back of the controller and insert the batteries, observing polarity.
3. **Attach Phone Mount:** Securely attach the phone mount to the top of the transmitter. This allows you to clip your smartphone for live video streaming.
4. **Install Propellers (if necessary):** If not pre-installed, attach the propellers to the drone's motors. Ensure they

are securely fastened. Refer to the markings on the propellers and drone for correct orientation.

5. **Optional Blade Guards:** For added protection, especially during initial flights, attach the protective blade guards to the drone's arms.
6. **Download the App:** For live streaming and advanced features, download the FREE Sky Viper Video Viewer 2.0 app from the App Store (iOS) or Google Play (Android).

## BUILT-IN AUTOPILOT

Vista keeps you flying steady, even if it's your first time at the controls. It handles the basics, so you can skip the learning curve and jump straight into the fun.



The drone's internal components, including the removable LiPo battery, and the controller.

## OPERATING INSTRUCTIONS

### Basic Flight Controls:

- **Power On/Off:** Turn on the drone and then the controller. They will automatically pair.
- **Auto Launch and Land:** Press the "LAUNCH/LAND" button on the controller to automatically take off to a stable hover or to land with controlled precision.
- **Hands-Free Position Hold:** The drone utilizes Surface Scan™ Optical Flow Ground Tracking and a built-in barometer to maintain its position and resist drift, even compensating for wind. Simply release the controls,



and the drone will hold its position.

# SURFACE SCAN™ POSITION HOLD

Vista's optical flow sensor tracks surface patterns 200 times per second, paired with barometric data to hold position and resist drift.



The Surface Scan™ Optical Flow sensor helps the drone maintain stable position.

## Advanced Features:

- **Dual Flight Modes:**
  - **Smooth Mode:** Ideal for steady flying, especially when streaming live video, and for beginners.
  - **Sport Mode:** Provides faster flying and quicker responsiveness for experienced pilots.
- **One-Touch Stunts:** Perform impressive aerial maneuvers with a single tap. The drone can execute barrel rolls in four directions and flips from a stationary hover.



# CHOOSE YOUR FLIGHT STYLE



Vista's default mode is tuned for smooth video and first-time fliers. Switch modes to boost agility and sharpen response – for more spirited, high-performance fun!



Choose between Smooth and Sport modes for different flying experiences, and perform one-touch stunts.

## Video Streaming and Recording:

The Vista HD video drone allows you to stream and record live high-definition video directly to your smartphone via the Sky Viper Video Viewer 2.0 app.

- **Adjustable Camera:** The camera has an adjustable pivot, allowing you to capture forward-flying views or tilt downwards for scenery below.
- **Live POV Video:** Clip your phone to the remote's phone mount to use it as a heads-up display for real-time first-person view (FPV) flying.



STREAM &  
RECORD LIVE  
HD VIDEO



Stream and record live HD video directly to your smartphone.



# CHANGE YOUR POV



Vista's adjustable camera pivots forward for fast flying action or tilts down to capture the scenery below.

- 720p HD - Up To 25 fps
- 100° Wide Angle Lens

The adjustable camera pivots for different perspectives, offering both forward and downward views.

## MAINTENANCE

- **Propeller Inspection:** Regularly check propellers for damage (cracks, bends). Replace any damaged propellers immediately using the provided spares.
- **Cleaning:** Use a soft, dry cloth to clean the drone body and camera lens. Avoid using harsh chemicals or excessive moisture.
- **Battery Care:** Store the LiPo battery in a cool, dry place. Do not overcharge or completely drain the battery. Disconnect the battery from the drone when not in use.
- **Motor Care:** Keep motors free from dust, dirt, and debris to ensure smooth operation.

## TROUBLESHOOTING

Problem	Possible Cause	Solution



Problem	Possible Cause	Solution
Drone does not power on.	Battery not charged or not connected properly.	Ensure battery is fully charged and securely connected.
Controller not responding.	Controller batteries low or not installed correctly. Not paired.	Replace AAA batteries. Ensure drone and controller are powered on and paired.
Poor video quality or no live feed.	Weak Wi-Fi signal. App not connected. Camera lens dirty.	Ensure strong Wi-Fi connection. Restart app. Clean camera lens.
Drone drifts during flight.	Calibration needed. Strong winds.	Perform flight calibration as per quick start guide. Fly in calm conditions.
Drone crashes frequently.	Damaged propellers. User error.	Inspect and replace damaged propellers. Practice in Smooth Mode.

## SPECIFICATIONS

Brand	Sky Viper
Model Name	Sky Viper Vista HD Video Drone
Model Number	18721
Color	White/Black
Video Capture Resolution	720p (1280x720 Pixels)
Video Capture Format	MP4
Connectivity Technology	USB, Wi-Fi (for app)
Control Type	Remote Control (Radio Frequency)
Battery Type	3.7V 1200 mAh LiPo (included)
Item Weight	1.33 Pounds
Product Dimensions	16"L x 3"W x 12.5"H
Recommended Age	12 years and up
Optical Sensor Technology	Optical Flow (Surface Scan™)

## WARRANTY AND SUPPORT

Specific warranty information was not provided in the product details. Please refer to the packaging or the manufacturer's official website for detailed warranty terms and customer support contact information. For further assistance, visit the [Sky Viper Store on Amazon](#).

Related Documents - 18721

	<p><a href="#">Sky Viper Vista HD Video Drone: User Manual and Operation Guide</a></p> <p>Comprehensive guide to operating the Sky Viper Vista HD Video Drone, covering setup, flight controls, flight modes, video streaming, and safety precautions. Learn how to pair the remote, launch, land, and perform stunts with your drone.</p>
	<p><a href="#">Sky Viper Streaming Video Spider-Drone Flying Guide</a></p> <p>Comprehensive flying guide for the Sky Viper Streaming Video Spider-Drone, covering setup, flight controls, maneuvers, recording, charging, and safety precautions. Learn how to operate your drone safely and effectively.</p>
	<p><a href="#">Sky Viper Dash Nano Drone: Setup, Flight, and Safety Guide</a></p> <p>Comprehensive guide to setting up, flying, and maintaining your Sky Viper Dash Nano Drone. Learn about flight modes, controls, stunts, battery care, and safety precautions.</p>
	<p><a href="#">Sky Viper V2450GPS Streaming Drone with Auto Pilot Flying Guide</a></p> <p>A comprehensive flying guide for the Sky Viper V2450GPS Streaming Drone with Auto Pilot, covering installation, setup, flight controls, safety precautions, and troubleshooting.</p>
	<p><a href="#">Sky Viper Type R Performance Racing Drone User Manual</a></p> <p>Comprehensive guide to operating the Sky Viper Type R Performance Racing Drone, including setup, flight controls, flight modes, troubleshooting, and safety precautions.</p>
	<p><a href="#">Sky Viper Nova FX Light Display Drone User Manual and Guide</a></p> <p>Comprehensive user manual for the Sky Viper Nova FX Light Display Drone, covering setup, flight controls, color morphing rotors, stunts, troubleshooting, and safety precautions.</p>



