HOSHI K102 MAX

HOSHI K102 MAX Drone User Manual

Model: K102 MAX | Brand: HOSHI

INTRODUCTION

This manual provides detailed instructions for the safe operation, setup, and maintenance of your HOSHI K102 MAX Drone. The K102 MAX is a professional foldable quadcopter equipped with a 2-axis gimbal 4K camera, obstacle avoidance technology, GPS, 5G Wi-Fi FPV, and Electronic Image Stabilization (EIS). It is designed for various aerial photography and videography activities, offering advanced features like intelligent follow mode and gesture control.

Figure 1: The HOSHI K102 MAX Drone in its unfolded state, ready for flight.

SAFETY PRECAUTIONS

Always prioritize safety when operating the drone. Failure to follow these guidelines may result in injury, damage to

property, or legal consequences.

- **Read the Manual:** Thoroughly read and understand this entire manual before first use.

- **Pre-Flight Check:** Before each flight, ensure all parts are securely attached, batteries are charged, and propellers are undamaged.

- **Environmental Conditions:** Do not fly in strong winds, rain, snow, or fog. Avoid flying near power lines, buildings, or crowded areas.

- **Maintain Line of Sight:** Always keep the drone within your visual line of sight during flight.

- **Respect Privacy:** Be mindful of privacy laws and do not record individuals or private property without consent.

- **Battery Safety:** Use only original batteries and chargers. Do not overcharge or puncture batteries.

- **Age Restriction:** This product is intended for adult use.

PACKAGE CONTENTS

Verify that all items listed below are included in your package:

Figure 2: Illustrated view of the HOSHI K102 MAX Drone package contents.

- HOSHI K102 MAX Drone

- Remote Control
- Flight Battery (1 unit)
- Wind Blades (4 units)
- Charging Cable / Screwdriver
- Storage Bag
- Color Box (packaging)

PRODUCT OVERVIEW

The HOSHI K102 MAX Drone features a compact, foldable design for portability and is equipped with advanced flight and imaging capabilities.

Figure 3: Key features of the K102 MAX Drone, including its 4K dual camera and 360° obstacle avoidance system.

Key Features:

- **4K HD Dual Camera:** Captures high-resolution photos and videos.
- **2-Axis Gimbal & EIS:** Provides stable and smooth footage.
- **360° Obstacle Avoidance:** Enhances flight safety by detecting and avoiding obstacles.

- **GPS Positioning:** Ensures stable hovering and accurate return-to-home functions.
- **Foldable Design:** Compact and easy to transport.
- **Brushless Motors:** Offers powerful and efficient flight performance.

Figure 4: The HOSHI K102 MAX Drone in its compact, folded state for easy storage and transport.

SETUP

1. Charging the Battery

Connect the drone battery to the charging cable and plug it into a USB power source (e.g., computer USB port or USB wall adapter). The indicator light on the battery will show charging status. Ensure the battery is fully charged before each flight.

2. Installing Propellers

Attach the propellers to the corresponding motor shafts. Ensure they are securely fastened. Refer to the markings on the propellers (A or B) and motors for correct orientation.

3. Preparing the Remote Control

Insert the required batteries (not included for remote) into the remote control. Extend the phone holder if you plan to use a smartphone for FPV viewing.

Figure 5: The drone in its folded state alongside the remote controller, demonstrating the smartphone mounting capability.

4. App Installation and Connection

Download the official HOSHI K102 MAX drone application from your smartphone's app store (iOS/Android). Power on the drone and connect your smartphone to the drone's Wi-Fi network (usually named "HOSHI_K102MAX_XXXX"). Open the app to establish connection and view the live FPV feed.

OPERATING INSTRUCTIONS

Basic Flight Controls:

Familiarize yourself with the remote control layout and basic flight movements:

- **Takeoff/Landing:** Use the one-key takeoff/landing button or manually control the throttle stick.

- **Altitude Control:** Left joystick (throttle) controls ascent and descent.
- **Directional Control:** Right joystick controls forward, backward, left, and right movement.
- **Rotation (Yaw):** Left joystick (left/right) controls drone rotation.

Advanced Features:

Figure 6: Visual representation of the K102 MAX's intelligent flight modes and camera capabilities.

- **360° Obstacle Avoidance:** The drone is equipped with sensors to detect obstacles in its vicinity, providing an extra layer of safety during flight. This feature helps prevent collisions.
- **Intelligent Follow Mode:** When activated via the app, the drone can automatically follow a designated subject (e.g., a person or vehicle), recording their activity. This is ideal for dynamic videography.
- **Gesture Control:** The drone can recognize specific hand gestures for initiating photo capture or video recording, allowing for hands-free operation during creative shots.
- **Trajectory Flight:** Use the mobile application to draw a desired flight path on the screen. The drone will then automatically follow this pre-defined route, enabling precise and repeatable flight patterns.
- **4K HD Dual Camera & 50x Zoom:** Utilize the high-resolution camera for stunning aerial photography and videography. The 50x optical zoom allows for detailed close-ups from a distance.
- **360° Roll:** Perform acrobatic maneuvers with a single button press for impressive aerial displays.

- **Headless Mode:** Simplifies flight control by eliminating the need to orient the drone relative to its front. The drone's direction is relative to the pilot.

- **Optical Flow Hovering:** Assists in maintaining a stable hover, especially indoors or in areas with weak GPS signals.

MAINTENANCE

- **Cleaning:** Regularly clean the drone body, camera lens, and sensors with a soft, dry cloth. Avoid using liquid cleaners directly on electronic components.

- **Propeller Inspection:** Before and after each flight, inspect propellers for any cracks, bends, or damage. Replace damaged propellers immediately using the provided spares.

- **Battery Care:** Store batteries in a cool, dry place. Do not fully discharge batteries for extended periods. If storing for a long time, charge them to about 50-60% capacity.

- **Storage:** When not in use, fold the drone and store it in its original storage bag or a protective case to prevent damage from dust or impact.

- **Firmware Updates:** Check the official HOSHI website or app periodically for firmware updates to ensure optimal performance and access to new features.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Drone does not power on.	Battery not charged or not properly inserted.	Ensure battery is fully charged and securely inserted into the drone.
No FPV feed on smartphone.	Wi-Fi not connected or app not open.	Verify smartphone is connected to the drone's Wi-Fi network. Restart the app.
Drone drifts during flight.	Calibration needed or strong wind interference.	Perform gyroscope and compass calibration as per app instructions. Avoid flying in strong winds.
Obstacle avoidance not working.	Sensors are dirty or feature is disabled.	Clean the obstacle avoidance sensors. Ensure the feature is enabled in the app settings.
Poor image/video quality.	Camera lens dirty, insufficient lighting, or unstable flight.	Clean the camera lens. Ensure adequate lighting. Fly in stable conditions or use EIS.

SPECIFICATIONS

Feature	Detail
Brand	HOSHI (Manufacturer) / Generic (Brand)
Model Name	K102 Max
Special Features	Auto Follow, Auto-Landing, Auto-Orientation, Portable, 360° Obstacle Avoidance, Gesture Control, Trajectory Flight, Headless Mode, Optical Flow Hovering

Feature	Detail
Age Range (Description)	Adult
Color	Orange
Video Capture Resolution	4K
Connectivity Technology	Wi-Fi
Included Components	Battery, Camera, Remote Control, Wind Blades, Charging Cable/Screwdriver, Storage Bag
Skill Level	All
Item Weight	0.4 Kilograms (14.1 ounces)
Battery Capacity	1800 Milliamp Hours
Video Capture Format	MP4
Remote Control Technology	Wi-Fi
Control Type	App Control
Media Type	SD (for storage)
Material	Plastic
Wireless Communication Technology	Wi-Fi
Battery Cell Composition	Alkaline
Are Batteries Included	Yes (for drone)
Supported Image Format	JPEG
Video Output Resolution	4K
Remote Control Included?	Yes
Optical Sensor Technology	CMOS or CCD
Rechargeable Battery Included	Yes (for drone)
Product Dimensions (L x W x H)	9.05" x 7.08" x 3.93"

WARRANTY AND SUPPORT

While specific warranty details are not provided, extended protection plans may be available for purchase to cover your HOSHI K102 MAX Drone. For technical support or inquiries, please refer to the contact information provided with your product packaging or visit the manufacturer's official website.
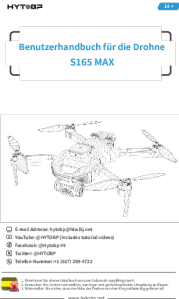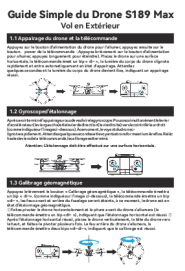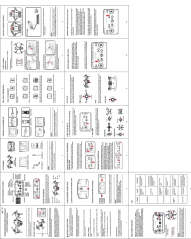
Protection plans mentioned:

- 2-Year Protection Plan
- 3-Year Protection Plan
- Complete Protect (monthly subscription)

Related Documents - K102 MAX

[HOSHI ve BLANSOL Yerden Isıtma Ürünleri Fiyat Listesi | Alarko Carrier](#)

Alarko Carrier tarafından sunulan HOSHI ve BLANSOL marka yerden ısıtma boruları için güncel AVRO fiyat listesi. Ürün teknik özellikleri ve stok bilgileri.

[HYTBP S165 MAX Foldable Quadcopter Drone User Manual](#)

Comprehensive user manual for the HYTBP S165 MAX foldable quadcopter drone, covering setup, operation, features like headless mode, 3D-roll, obstacle avoidance, and troubleshooting.

[HYTOBP S189 Max Drone Quick Start Guide](#)

A simple guide for operating the HYTOBP S189 Max drone, covering setup, calibration, and flight procedures for both outdoor and indoor use. Includes pairing, gyroscope calibration, geomagnetic calibration, GPS signal search, and drone unlocking instructions.

[XIL 193 GPS Smart Drone User Manual](#)

User manual for the MAX RTS XIL 193 GPS Smart Drone, detailing its GPS and 5G capabilities, obstacle avoidance system, flight modes, charging instructions, and safety guidelines.

[K101 Max Folding Drone with Obstacle Avoidance: Operating Manual](#)

This operating manual provides comprehensive instructions for the K101 Max folding drone, covering remote control functions, drone setup, pre-flight checks, flight operations, battery management, and troubleshooting tips.

[SZWDSE S155 MAX GPS Drone: Operating Instructions and Safety Guide](#)
This document provides comprehensive operating instructions, safety precautions, and troubleshooting tips for the SZWDSE S155 MAX GPS Aerial Drone. Learn about setup, flight controls, advanced features like obstacle avoidance, and battery charging.