HYTOBP S165 MAX

HYTOBP S165 MAX Drone with 1080P HD Camera User Manual

1. Introduction

This manual provides essential instructions for the safe operation and maintenance of your HYTOBP S165 MAX drone. Please read it thoroughly before first use to ensure proper functionality and to prevent damage or injury. Keep this manual for future reference.



Image 1.1: The HYTOBP S165 MAX drone in flight, demonstrating its operational capabilities.

2. Safety Guidelines

Operating a drone requires responsibility. Adhere to the following safety guidelines to ensure a safe flight experience for yourself and others.

2.1 General Safety

- Always operate the drone in open, unobstructed areas, away from people, animals, and buildings.
- Maintain a safe distance from power lines, trees, and water bodies.
- Do not fly the drone in strong winds, rain, snow, or other adverse weather conditions.
- Ensure the drone is within your line of sight at all times.

- Respect privacy. Do not use the drone to record individuals or private property without consent.
- Familiarize yourself with local regulations regarding drone operation.

2.2 Battery Safety

- Use only the original charging cable and adapter provided.
- Do not overcharge or over-discharge the batteries.
- Store batteries in a cool, dry place, away from direct sunlight and flammable materials.
- If a battery appears swollen, damaged, or overheated, discontinue use immediately and dispose of it properly.

3. Package Contents

Verify that all items are present in the package:

- HYTOBP S165 MAX Drone
- Remote Controller
- Drone Batteries (3 included)
- USB Charging Cable
- Spare Propellers
- Screwdriver
- User Manual

4. Drone Overview

Familiarize yourself with the components of your HYTOBP S165 MAX drone and its remote controller.

4.1 Drone Components



Image 4.1: Front view of the HYTOBP S165 MAX drone, showcasing its main body and propellers.

- **Propellers:** Generate lift for flight.
- **Brushless Motors:** Provide efficient and stable flight.
- **1080P HD Camera:** Captures photos and videos.
- **Battery Compartment:** Houses the drone battery.
- **Propeller Protection:** Guards propellers against impacts.
- **Foldable Arms:** Allow for compact storage and portability.



Image 4.2: Detail of the drone's foldable arm mechanism.

4.2 Remote Controller Components

- **Left Joystick:** Controls altitude (ascend/descend) and rotation (yaw).
- **Right Joystick:** Controls forward/backward and left/right movement (pitch/roll).
- **One-Button Take-off/Landing:** Initiates or concludes flight with a single press.
- **Photo/Video Button:** Captures images or starts/stops video recording.
- **Phone Holder:** Secures your smartphone for FPV viewing.
- **Power Button:** Turns the remote controller on/off.

5. Setup

5.1 Battery Charging and Installation

Drone Battery:

1. Connect the drone battery to the USB charging cable.
2. Plug the USB cable into a 5V/2A USB adapter (not included).
3. Charge until the indicator light changes (refer to battery specific indicators). Charging typically takes 120-150 minutes.
4. Insert the fully charged battery into the drone's battery compartment, ensuring it clicks into place.

Remote Controller Battery:

1. The remote controller uses its own internal rechargeable battery. Connect the remote controller to a USB power source using the provided USB cable.
2. Charge until the indicator light shows a full charge.

5.2 Propeller Installation

If propellers are not pre-installed or need replacement:

1. Match the propellers with the corresponding motor shafts (A to A, B to B). Each propeller has a small letter marking.
2. Securely attach the propellers using the provided screws and screwdriver. Ensure they are firmly in place but not overtightened.

5.3 Controller Pairing

1. Place the drone on a flat, level surface.
2. Turn on the drone by pressing and holding the power button until the indicator lights illuminate.
3. Turn on the remote controller.
4. Push the left joystick up once, then pull it down once. The drone's indicator lights will stop flashing and remain solid, indicating successful pairing.

5.4 App Installation (for FPV)

1. Scan the QR code in the manual (or on the drone packaging) to download the dedicated FPV app.
2. Install the app on your smartphone.
3. Connect your smartphone to the drone's Wi-Fi network (usually named 'HYTOBP-S165MAX-XXXX').
4. Open the app to view the live camera feed and access additional flight features.

6. Operating Instructions

6.1 Pre-Flight Checklist

- Ensure both drone and remote controller batteries are fully charged.
- Check that propellers are correctly installed and free from damage.
- Verify that the drone and remote controller are successfully paired.
- Choose an open, safe flying area.

6.2 Take-off and Landing

- **One-Button Take-off:** After pairing, press the one-button take-off/landing button on the remote controller. The drone will automatically ascend to a stable hovering height.
- **Manual Take-off:** Push both joysticks down and outwards simultaneously to start the motors. Then, gently push the left joystick up to ascend.
- **One-Button Landing:** Press the one-button take-off/landing button again. The drone will automatically descend and land.
- **Manual Landing:** Gently pull the left joystick down to descend. Once landed, push both joysticks down and inwards to stop the motors.

6.3 Basic Flight Controls

- **Ascend/Descend:** Push the left joystick up to ascend, pull down to descend.
- **Forward/Backward:** Push the right joystick up to fly forward, pull down to fly backward.
- **Turn Left/Right (Yaw):** Push the left joystick left to rotate left, push right to rotate right.

- **Fly Left/Right (Roll):** Push the right joystick left to fly left, push right to fly right.

6.4 Camera and FPV Functionality



Image 6.1: The 1080P HD camera module on the HYTOBP S165 MAX drone.

- **Taking Photos:** Press the photo button on the remote controller once to capture an image.
- **Recording Video:** Press the video button on the remote controller once to start recording. Press again to stop.
- **FPV Viewing:** Ensure your smartphone is connected to the drone's Wi-Fi and the app is open. The live camera feed will be displayed on your phone screen.

7. Maintenance

7.1 Cleaning

- Wipe the drone and remote controller with a soft, dry cloth after each use.
- Do not use harsh chemicals or solvents.
- Ensure no dust or debris accumulates in the motors or camera lens.

7.2 Propeller Inspection

- Regularly inspect propellers for cracks, bends, or other damage.
- Replace damaged propellers immediately using the provided spare parts.

7.3 Battery Storage

- For long-term storage, charge batteries to approximately 50-60% capacity.
- Store batteries in a cool, dry environment.

8. Troubleshooting

Refer to the table below for common issues and their solutions.

Problem	Possible Cause	Solution
Drone does not power on	Low battery; Battery not installed correctly	Charge drone battery; Reinstall battery securely
Remote controller does not pair	Incorrect pairing procedure; Low remote battery	Repeat pairing steps; Charge remote controller
Drone drifts during flight	Not calibrated; Wind interference	Perform gyroscope calibration (refer to app/manual for specific steps); Fly in calm conditions
Poor FPV video feed	Weak Wi-Fi signal; Too far from drone; Interference	Ensure strong Wi-Fi connection; Fly closer to drone; Avoid areas with strong electromagnetic interference
Short flight time	Battery not fully charged; Old/damaged battery	Fully charge battery; Replace with a new battery

9. Specifications

Key technical specifications for the HYTOBP S165 MAX drone:

Feature	Detail
Brand	HYTOBP
Model	S165 MAX
Color	Black
Video Capture Resolution	1080p
Connectivity Technology	Wi-Fi
Skill Level	All
Max Battery Power	2000 Milliamperora (mAh)
Control Type	Remote Control
Battery Cell Composition	Lithium Ion
Item Dimensions (LxWxH)	29L x 24W x 6.5H cm

10. Warranty and Support

For technical assistance, warranty claims, or any questions regarding your HYTOBP S165 MAX drone, please contact our customer support team.



Image 10.1: HYTOBP Customer Support contact details.

You can reach us via:

- **Phone:** +1 (617) 259-4732
- **Email:** hytobp@htwlkj.net

Please have your product model (S165 MAX) and purchase details ready when contacting support.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question