HYTOBP P17

HYTOBP P17 4K HD GPS Drone User Manual

Model: P17 | Brand: HYTOBP

Introduction

This manual provides detailed instructions for the safe and efficient operation of your HYTOBP P17 4K HD GPS Drone. Please read this manual thoroughly before operating the drone to ensure proper usage and to prevent damage or injury. The P17 drone features a 4K HD camera, GPS intelligent flight, brushless motors, and 5G WiFi transmission for an enhanced flying experience.

What's Included

Upon unboxing, please verify that all the following components are present:

- 1x P17 Drone
- 1x Remote Control
- 3x Intelligent Batteries
- 3x Cameras (integrated into drone)
- 1x Drone Storage Bag
- 1x Screwdriver
- 4x Spare Propellers
- 1x Landing Gear Set
- 1x Propeller Holder
- 1x USB Charging Cable
- 2x User Manuals



Image: All components included in the HYTOBP P17 Drone package.

Setup Guide

1. Battery Charging and Installation

The drone comes with three intelligent batteries. Ensure all batteries are fully charged before first use.

1. Connect the intelligent battery to the USB charging cable.
2. Plug the USB cable into a compatible USB power adapter (not included).
3. The charging indicator on the battery will show its status. Charge until fully indicated.
4. Once charged, insert the battery securely into the drone's battery compartment.



Image: The three intelligent batteries and USB charging cable. Ensure batteries are fully charged before flight.

2. Propeller Installation

If propellers are not pre-installed or need replacement:

1. Identify the correct propeller for each motor (usually marked A and B).
2. Attach the propellers to the motor shafts, ensuring they are firmly secured. Use the provided screwdriver if necessary.

3. Remote Control Setup

1. Install batteries into the remote control (batteries for remote control may not be included, check packaging).
2. Power on the remote control.
3. Pair the remote control with the drone according to the instructions in the included quick start guide.

4. App Installation and Connection

To utilize the drone's advanced features and 5G WiFi transmission, download the official HYTOBP drone application on your smartphone.

1. Scan the QR code in the quick start guide or search for the app in your device's app store.
2. Install the application.
3. Turn on the drone and your smartphone's WiFi.
4. Connect your smartphone to the drone's WiFi network (usually named "HYTOBP-P17" or similar).
5. Open the app to establish a connection and view the live feed.

Operating Instructions

Pre-Flight Checklist

- Ensure all batteries (drone and remote) are fully charged.
- Verify propellers are securely attached and undamaged.
- Choose an open outdoor area free from obstacles, people, and animals.
- Activate GPS mode for outdoor flights.
- Check weather conditions; avoid flying in strong winds (drone has Level 5 wind resistance, but caution is advised).

Basic Flight Controls

Refer to the remote control diagram in your quick start guide for specific button layouts.

- **One-Key Takeoff/Landing:** Press the designated button for automatic takeoff or landing.
- **Throttle Stick:** Controls altitude (up/down).
- **Directional Stick:** Controls forward/backward, left/right movement.
- **Headless Mode:** Simplifies flight by orienting the drone relative to the pilot, regardless of the drone's front direction.

Intelligent GPS Flight Features

The P17 drone offers high-precision GPS flight and safe return functions. The maximum flight distance is 1000m.

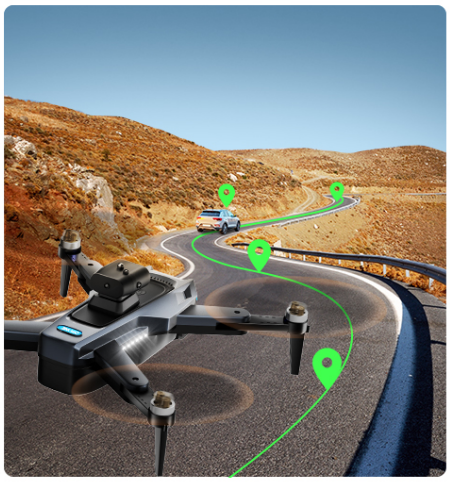
- **Automatic Return:** The drone will automatically return to its takeoff point if the battery is low, signal is lost, or the auto-return button is pressed.
- **Flight Path Recording:** The app records the flight path, assisting in locating the drone if it is lost.
- **Follow Me Mode:** The drone can automatically follow a moving subject.
- **Waypoint Flight:** Plan a custom flight path by setting waypoints on the app map.
- **Orbit Flight:** The drone can circle around a designated point of interest.



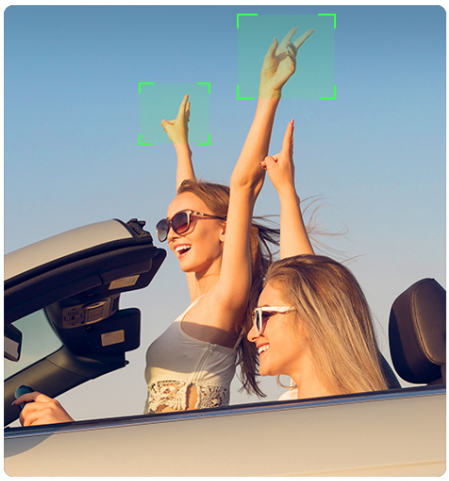
Image: Smart GPS Functionality, showing automatic return features for low battery, signal loss, or out of range.



Volando en Círculos



Trayectoria de Vuelo



Control de Gestos

Image: Various intelligent flight functions including Waypoint Flight, Orbit Flight, and Gesture Control.

4K Camera Operation

The P17 drone is equipped with three 4K cameras, featuring a 90° electrically adjustable camera and a 120° wide-angle lens. 5G WiFi transmission ensures smooth image transfer up to 600 meters.

- **Photo/Video Capture:** Use the dedicated buttons on the remote or within the app to take 4K photos and videos.
- **Adjustable Lens:** Adjust the camera angle remotely via the app or remote control.
- **Digital Zoom:** Utilize the digital zoom feature for closer shots.



Image: Details of the 4K HD Camera, highlighting 120° FOV and 90° adjustable resolution.

Obstacle Avoidance

The drone features infrared obstacle avoidance to protect against collisions. When an obstacle is detected, the drone will emit a sound warning to help you avoid it.



Image: P17 PRO GPS Aerial Drone demonstrating intelligent 540° obstacle avoidance.

Maintenance

- **Cleaning:** Regularly clean the drone body and camera lens with a soft, dry cloth. Avoid using liquids.
- **Propellers:** Inspect propellers for any damage (cracks, bends) before each flight. Replace damaged propellers immediately using the spare parts provided.
- **Batteries:**
    - Store batteries in a cool, dry place away from direct sunlight.
    - Do not overcharge or over-discharge batteries.
    - If storing for extended periods, charge batteries to approximately 50-60% capacity.
    - The batteries have a cycle life of up to 5000 times and are equipped with overvoltage and undervoltage protection.
- **Storage:** When not in use, store the drone and its components in the provided storage bag to protect them from

dust and physical damage.

Troubleshooting

Problem	Possible Cause	Solution
Drone does not power on.	Battery is not charged or not installed correctly.	Ensure battery is fully charged and properly inserted.
Remote control does not connect to drone.	Remote control batteries are low or pairing failed.	Replace remote control batteries. Re-attempt pairing process as per quick start guide.
Short flight time.	Battery not fully charged; flying in strong winds; aggressive flight maneuvers.	Ensure batteries are fully charged. Avoid flying in strong winds. Practice smoother flight.
Drone drifts or is unstable during flight.	Improper calibration; strong wind interference; damaged propellers.	Perform gyroscope calibration. Fly in calm conditions. Check and replace damaged propellers.
Poor image/video quality or no live feed.	Weak WiFi signal; camera lens dirty; app not connected.	Ensure strong 5G WiFi connection. Clean camera lens. Reconnect app to drone's WiFi.
Drone loses signal or flies away.	Out of range; strong interference; GPS not active (for outdoor flight).	Stay within operational range. Ensure GPS mode is active for outdoor flights. The drone has an automatic return function for signal loss.

Specifications

Feature	Detail
Model Name	P17
Brand	HYTOBP
Dimensions	29 x 21 x 10 cm
Weight	900 g (Note: Drone itself is under 249g for FAA registration purposes)
Camera Resolution	4K (3840x2160)
Video Capture Format	MP4
Wireless Communication	5G Wi-Fi
Control Type	Remote Control
Material	Plastic
Motor Type	Brushless
Max Flight Distance	1000m

Feature	Detail
Image Transmission Distance	Approx. 600m
Battery Life (Total)	45-54 minutes (with 3 batteries)
Wind Resistance	Level 5
Optical Sensor Technology	CMOS



Image: The P17 drone's lightweight design, weighing less than 249g, making it portable and potentially exempt from certain FAA registration requirements.

Safety Information

- Always operate the drone in open, clear areas, away from people, buildings, and other obstacles.
- Do not fly near airports or restricted airspace.

- Maintain visual line of sight with the drone at all times.
- Do not fly in adverse weather conditions such as strong winds, rain, or snow.
- Ensure GPS mode is activated for all outdoor flights to enable intelligent flight features and automatic return.
- Keep fingers and loose clothing away from rotating propellers.
- Children should only operate the drone under direct adult supervision.
- Adhere to all local laws and regulations regarding drone operation.

Warranty and Support

The HYTOBP team provides comprehensive after-sales support to ensure 100% customer satisfaction. If you encounter any issues upon receiving or using the product, please contact us immediately. Our customer service team is available 24 hours a day to address your concerns and provide a satisfactory solution.
For support, please refer to the contact information provided in your product packaging or on the official HYTOBP website.

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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.

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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