HYTOBP AE8

HYTOBP AE8 GPS Drone User Manual

Model: AE8 | Brand: HYTOBP

1. Introduction

This manual provides essential instructions for the safe operation, setup, and maintenance of your HYTOBP AE8 GPS Drone. Please read this manual thoroughly before operating the drone to ensure proper function and to prevent damage or injury.
The HYTOBP AE8 is a high-performance GPS drone equipped with a 3-Axis Gimbal EIS 4K Camera, brushless motors, and intelligent flight features designed for an enhanced aerial experience.

2. Safety Guidelines

Adherence to these safety guidelines is crucial for safe and responsible drone operation.

- **Flight Regulations:** The weight of the AE8 (including one battery) is 368g. Always check and comply with local laws and regulations regarding drone operation before flying.
- **Pre-Flight Check:** Before each flight, ensure the drone battery is fully charged.
- **Flight Environment:** Choose an open, unobstructed area for flight to avoid signal interference and ensure strong GPS signal reception (at least 10 satellites). Avoid flying near people, buildings, or obstacles.
- **Calibration:** Ensure compass and gyroscope calibration are completed before every flight.
- **Weather Conditions:** Do not fly in strong winds (above Level 6), rain, snow, or fog.
- **Battery Safety:** Use only approved chargers and original charging cables. Do not overcharge or puncture batteries.

3. Package Contents

Verify that all items are present in your package:

- HYTOBP AE8 GPS Drone

- Remote Controller
- Intelligent Flight Batteries (x2)
- Spare Propellers
- USB Charging Cable
- Screwdriver
- Carrying Bag
- User Manual
- SD Card (if included in your specific package)

Image 1: Complete package contents of the HYTOBP AE8 GPS Drone, including the drone, remote controller, two batteries, spare propellers, charging cable, screwdriver, and carrying bag.

4. Setup

4.1 Battery Charging and Installation

1. **Charge Batteries:** Fully charge both intelligent flight batteries using the provided USB charging cable and a 5V/2A charger. Each battery provides approximately 28 minutes of flight time.
2. **Install Battery:** Insert a fully charged battery into the drone's battery compartment until it clicks securely into place.
3. **Charge Remote Control:** Connect the remote control to a power source using its charging port. The remote control is rechargeable.

4.2 Propeller Installation

Attach the propellers to the motor shafts according to the markings (e.g., A and B) on both the propellers and the motor arms. Ensure they are securely fastened.

4.3 Drone and Remote Control Preparation

1. **Unfold Drone:** Carefully unfold the drone arms until they lock into position.
2. **Power On:** Press and hold the power button on the drone and then on the remote control to turn them on.
3. **Pairing:** The drone and remote control should automatically pair. Refer to the remote control's display for connection status.
4. **App Connection:** Download and install the HYTOBP flight application on your smartphone. Connect your phone to the drone's Wi-Fi network (5G WiFi Transmission).

4.4 Calibration

Before the first flight and after any significant change in location, perform compass and gyroscope calibration as instructed in the app or remote control interface. This ensures stable flight and accurate GPS positioning.

5. Operating Instructions

5.1 Pre-Flight Checklist

- Drone battery fully charged and securely installed.
- Remote control charged.
- Propellers correctly installed and undamaged.
- Flight area is open and clear of obstacles.
- Strong GPS signal (indicated on remote/app).
- Compass and gyroscope calibrated.

5.2 Take-off and Landing

1. **Motor Start:** Follow the specific joystick combination or button press on the remote control to start the motors.
2. **Take-off:** Press the auto take-off button or slowly push the left joystick up to ascend.
3. **Landing:** Press the auto-landing button or slowly pull the left joystick down to descend and land.

5.3 Flight Controls

The remote control features joysticks for controlling the drone's movement:

- **Left Joystick:** Controls altitude (up/down) and rotation (yaw left/right).
- **Right Joystick:** Controls forward/backward movement (pitch) and left/right movement (roll).

Image 2: The HYTOBP AE8 drone's remote control, featuring a built-in display for flight information and a smartphone holder for FPV viewing via 5G WiFi transmission.

5.4 Intelligent Flight Modes

The AE8 drone offers several intelligent flight modes for enhanced creativity and ease of use:

- **Auto-Follow:** The drone automatically follows a designated subject.
- **Trajectory Flight (Waypoint Flight):** Draw a path on the app map, and the drone will fly along the specified route.
- **Circling Flight (Point of Interest):** The drone orbits around a selected point.
- **Gesture Photo/Video:** Perform specific hand gestures to trigger photo or video recording.
- **3 Speeds:** Adjust flight speed for different flying conditions and skill levels.

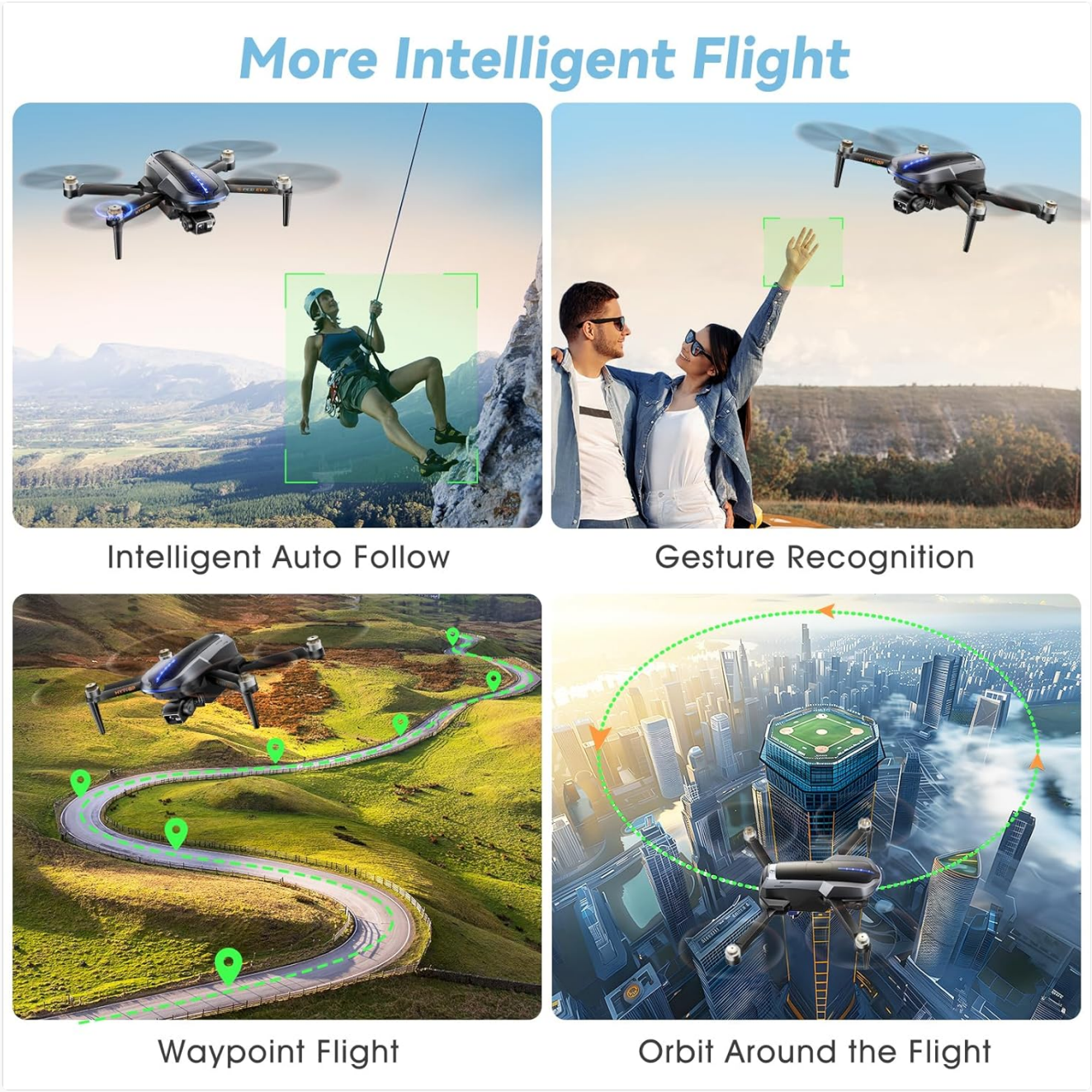


Image 3: Visual representation of the drone's intelligent flight modes, including Auto Follow, Gesture Recognition for photos/videos, Waypoint Flight, and Orbit Around Flight.

5.5 Camera Operation

The drone is equipped with a 3-Axis Gimbal EIS 4K Camera for stable and high-quality imaging.

- **Photo/Video:** Use the dedicated buttons on the remote control or the app interface to capture 4K photos and videos at 30 frames per second.
- **Gimbal Control:** Adjust the camera angle using the gimbal control wheel on the remote control.
- **EIS (Electronic Image Stabilization):** The EIS technology, combined with the 3-axis gimbal, provides double anti-shake for smooth footage.

Image 4: Detailed view of the HYTOBP AE8 drone's camera system, highlighting its 3-Axis Gimbal and EIS (Electronic Image Stabilization) for capturing stable 4K UHD video at 30FPS with a 140-degree wide angle.

5.6 GPS Functions

The integrated GPS system ensures precise positioning and safe return features:

- **Auto Return Home (RTH):** The drone will automatically return to its take-off point when the RTH button is pressed, battery is low, or signal is lost.
- **Position Hold:** The drone maintains its position stably when joysticks are released.
- **Flight Track Recording:** The app records the flight path, helping to locate the drone if it lands unexpectedly.

Image 5: The HYTOBP AE8 drone illustrating its GPS intelligent auto-location and return capabilities, which activate in scenarios such as being out of remote control distance, low battery, or signal loss, guiding the drone back to its home point.

6. Maintenance

6.1 Cleaning

- Wipe the drone body with a soft, dry cloth after each flight.
- Ensure motors and camera lens are free from dust and debris.

6.2 Storage

- Store the drone and remote control in the provided carrying bag in a cool, dry place.
- Charge batteries to approximately 50-60% before long-term storage to prolong their lifespan.
- Remove batteries from the drone and remote control if storing for extended periods.

6.3 Propeller Replacement

Regularly inspect propellers for cracks, bends, or damage. Replace any damaged propellers immediately using the spare propellers and screwdriver provided. Ensure correct propeller type (A or B) is installed on the corresponding motor.

7. Troubleshooting

If you encounter issues, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Drone does not take off	Low battery, motors not armed, calibration incomplete	Charge battery, arm motors (refer to app/manual), complete compass and gyroscope calibration.
Unstable flight	Improper calibration, damaged propellers, strong wind	Recalibrate drone, replace damaged propellers, avoid flying in strong winds (Level 6 wind resistance).
No GPS signal	Indoor flight, obstructed environment	Fly in an open outdoor area with clear sky view. Ensure at least 10 GPS satellites are acquired.
Poor camera quality	Dirty lens, insufficient light, vibration	Clean camera lens, fly in well-lit conditions, ensure gimbal is functioning correctly. Download data from SD card for 4K quality.
Short flight time	Battery not fully charged, aggressive flying, cold weather	Ensure batteries are fully charged. Fly conservatively. Battery performance may vary in different environments.

If you experience any issues not covered here, please contact HYTOBP customer support for assistance. We aim to reply within 24 hours.

8. Specifications

Feature	Detail
Brand	HYTOBP
Model Name	AE8
Camera	4K UHD, 3-Axis Gimbal, EIS Anti-Shake, 30 fps, 140° Wide Angle
Motor Type	Brushless Motor
Flight Time	Max 56 Mins (with 2 batteries, 28 mins/battery)
Battery Capacity	3400 Milliamp Hours (per battery)
Wind Resistance	Level 6
Connectivity	5G Wi-Fi Transmission, GPS
Maximum Range	3000 meters (Flight Distance) / 1200 meters (Transmission Distance)
Control Type	Remote Control

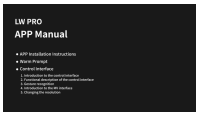
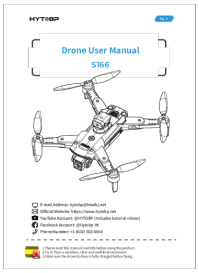
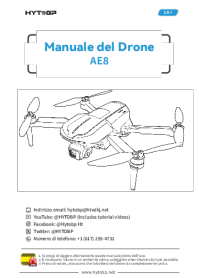
Feature	Detail
Video Capture Resolution	4K
Supported Image Format	JPEG
Supported Video Format	MP4
Product Dimensions	16L x 10W x 8H Centimeters (Folded)
Material	Plastic
Age Range	Adult

Image 6: Dimensions of the HYTOBP AE8 drone, showing its compact folded size (7.08"L x 3.35"W x 2.36"H) and its expanded flight dimensions (9.65"L x 7.28"W).

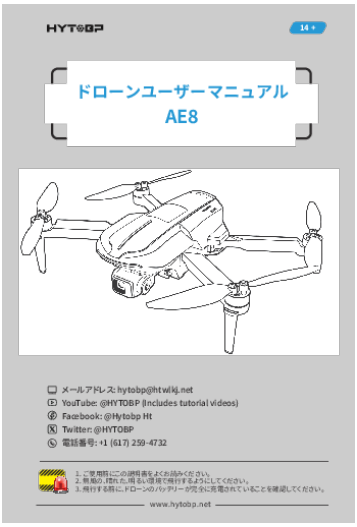
9. Warranty and Support

For warranty information or technical support, please refer to the contact details provided with your purchase documentation or visit the official HYTOBP website. If you have any questions or require assistance, please message us for solutions; we will reply within 24 hours.

Related Documents - AE8

	HYTOBP S166 Drone User Guide Comprehensive user guide for the HYTOBP S166 Drone, covering setup, operation, charging, flight modes, and safety instructions.
	HYTOBP AE8 Smart Device App Instruction Manual Detailed instructions for downloading, installing, and using the HYTOBP AE8 smart device application. This guide covers app features, device connectivity, troubleshooting steps, and safety information for the AE8 device.
	HYTOBP AE8 APP Bedienungsanleitung Detaillierte Anleitung für die HYTOBP AE8 APP, die Einrichtung, Bedienung und Funktionen für eine verbesserte Gerätesteuerung beschreibt.
	HYTOBP AE8 APP Instruction Manual Instruction manual for the HYTOBP AE8 APP product, providing details on its features and usage. Includes technical specifications and operational guidance.
	HYTOBP S166 Drone User Manual - Flight, Safety, and Operation Guide Comprehensive user manual for the HYTOBP S166 drone. This guide covers essential information including safety precautions, remote control functions, charging procedures, indoor and outdoor flight operations, calibration steps, flight adjustments, speed mode switching, obstacle avoidance features, headless mode, one-button return functionality, and GPS settings. Ensure safe and effective operation of your S166 drone with this detailed manual.
	Manuale del Drone HYTOBP AE8: Guida Completa all'Uso e alla Sicurezza Manuale utente dettagliato per il drone HYTOBP AE8. Include istruzioni di sicurezza, procedure di decollo e atterraggio, calibrazione, funzioni di volo, ricarica e risoluzione dei problemi per un'esperienza di volo sicura e ottimale.

Documents - HYTOBP – AE8



[HYTBP AE8 Drone User Manual]

User manual for the HYTBP AE8 drone, covering setup, operation, safety guidelines, troubleshooting, and specifications. Learn how to fly and maintain your drone safely.

lang:lv score:45 filesize: 3.49 M page_count: 12 document date: 2024-07-16

[HYTBP AE8 Drone User Manual]

Comprehensive user manual for the HYTBP AE8 drone, covering safety guidelines, setup, operation, charging, and troubleshooting.

lang:lv score:31 filesize: 15.09 M page_count: 12 document date: 2024-03-26

[Manual de Instrucciones AE8 APP]

Manual de instrucciones detallado para el HYTOBP AE8 APP, proporcionando guía e información.

lang:lv score:30 filesize: 19.67 M page_count: 11 document date: 2024-03-26

[AE8 Smart Device Instruction Manual - HYTOBP]

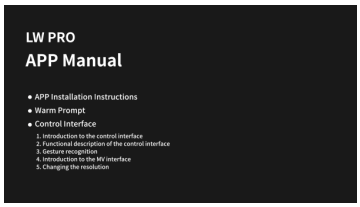
Comprehensive instruction manual for the HYTOBP AE8 smart device, covering setup, app usage, features, and troubleshooting. Learn how to connect and control your device with the HYTOBP APP.

lang:lv score:30 filesize: 19.77 M page_count: 11 document date: 2024-03-26

[HYTOBP AE8 APP Bedienungsanleitung]

Detaillierte Anleitung für die HYTOBP AE8 APP, die Einrichtung, Bedienung und Funktionen für eine verbesserte Gerätesteuerung beschreibt.

lang:lv score:30 filesize: 19.85 M page_count: 11 document date: 2024-03-26



[HYTOBP AE8 Smart Device App Instruction Manual]

Detailed instructions for downloading, installing, and using the HYTOBP AE8 smart device application. This guide covers app features, device connectivity, troubleshooting steps, and safety information for the AE8 device.

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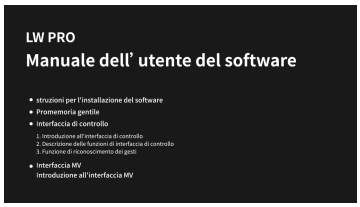

[HYTOBP AE8 APP Instruction Manual]

Instruction manual for the HYTOBP AE8 APP product, providing details on its features and usage. Includes technical specifications and operational guidance.

lang:lv score:30 filesize: 19.8 M page_count: 11 document date: 2024-03-26