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› CBDZONE V918MAX GPS Smart Obstacle Avoidance RC Drone Instruction Manual

CBDZONE V918MAX

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INSTRUCTION MANUAL

1. Safety Guidelines

Before operating the CBDZONE V918MAX drone, please read and understand all safety instructions. Failure to follow these guidelines may result in injury, damage to the drone, or property damage.

- **Flight Environment:** Fly in open areas, away from people, buildings, trees, and power lines. Avoid flying in strong winds or adverse weather conditions.
- **Battery Safety:** Use only original batteries and chargers. Do not overcharge or puncture batteries. Discontinue use if batteries show signs of damage or swelling.
- **Propeller Safety:** Keep hands, face, and loose clothing away from rotating propellers. Ensure propellers are correctly installed before each flight.
- **Operator Responsibility:** The operator is responsible for safe operation and compliance with local regulations. Maintain visual line of sight with the drone at all times.
- **Age Restriction:** This product is not a toy. Recommended for users aged 14 and above.
- **Obstacle Avoidance:** While the drone features obstacle avoidance, it is not foolproof. Always exercise caution and maintain awareness of surroundings.

2. Package Contents

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.

360° obstacle avoidance
GPS positioning

Two electric version



Data cable



Card reader/Memory card



Charging cable



Blade



Storage bag+Gift box



Screwdriver/Phone holder



Battery * 2

Image: Contents of the CBDZONE V918MAX drone package. It displays the V918MAX drone, the remote controller with a built-in screen, data cables, a card reader with a memory card, a charging cable, spare propeller blades, a storage bag, a gift box, a screwdriver, a phone holder, and two batteries.

- V918MAX GPS RC Drone
- Remote Controller with Integrated Screen
- Data Cables (3 pieces)
- Card Reader / Memory Card
- Charging Cable
- Spare Propeller Blades (6 pieces)
- Storage Bag
- Gift Box
- Screwdriver
- Phone Holder
- Flight Batteries (2 pieces)

3. Product Overview

3.1. Drone Features

- **GPS Positioning:** Provides stable flight, precise hovering, and intelligent return-to-home functions.
- **360° Obstacle Avoidance:** Utilizes sensors to detect and avoid obstacles in various directions, enhancing

flight safety.

- **Brushless Motors:** Offers powerful, efficient, and quiet operation with extended lifespan.
- **High-Resolution Camera:** Captures 8K video and 12 MP still images for aerial photography and videography.
- **Foldable Design:** Compact and portable for easy transport and storage.

3.2. Remote Controller Features

- **Integrated Screen:** Displays real-time flight data and camera feed directly on the controller.
- **Ergonomic Design:** Comfortable grip for extended flight sessions.
- **Intuitive Controls:** Clearly labeled buttons and joysticks for easy operation.

4. Setup

4.1. Charging the Flight Battery

1. Connect the charging cable to the flight battery.
2. Plug the other end of the charging cable into a USB power adapter (not included) or a computer USB port.
3. The battery indicator lights will show charging status. Charging is complete when all lights are solid.

4.2. Installing the Flight Battery

1. Ensure the drone is powered off.
2. Locate the battery compartment on the drone.
3. Insert the charged battery into the compartment until it clicks securely into place.

4.3. Attaching Propellers

1. Identify propellers marked 'A' and 'B'.
2. Match the 'A' propellers to the motor shafts marked 'A' and 'B' propellers to 'B' motor shafts.
3. Press down and twist the propellers onto the motor shafts until they are firmly secured. Ensure they rotate freely without wobbling.

4.4. Preparing the Remote Controller

1. Ensure the remote controller is fully charged.
2. Unfold the antennas and adjust them for optimal signal reception.
3. If using a smartphone with the phone holder, attach your phone securely.

5. Operating Instructions

5.1. Pre-Flight Checklist

- Ensure drone and controller batteries are fully charged.
- Check that propellers are correctly installed and free from damage.
- Verify the flight environment is safe and clear of obstacles.
- Power on the drone first, then the remote controller.
- Wait for GPS signal acquisition (indicated on the controller screen).

5.2. Takeoff and Landing

1. **Automatic Takeoff:** Press the one-key takeoff button on the controller. The drone will ascend to a safe altitude and hover.

2. **Manual Takeoff:** Push both joysticks down and outwards to arm the motors. Slowly push the left joystick up to ascend.
3. **Automatic Landing:** Press the one-key landing button or the Return-to-Home (RTH) button. The drone will descend and land automatically at its takeoff point.
4. **Manual Landing:** Slowly pull the left joystick down to descend. Once landed, push both joysticks down and inwards to disarm the motors.

5.3. Flight Controls

The remote controller uses a standard mode 2 configuration:

- **Left Joystick:** Up/Down for altitude (throttle), Left/Right for rotation (yaw).
- **Right Joystick:** Up/Down for forward/backward movement (pitch), Left/Right for sideways movement (roll).
- **GPS Mode:** Ensures stable flight and precise positioning. Always fly in GPS mode for beginners.
- **Obstacle Avoidance:** The drone will automatically attempt to avoid obstacles when detected. However, always monitor the drone's path.

5.4. Camera Operation

- **Photo:** Press the dedicated photo button on the controller to capture still images.
- **Video:** Press the dedicated video button to start/stop recording.
- **Gimbal Control:** Use the gimbal dial on the controller to adjust the camera's tilt angle.
- **Storage:** Photos and videos are saved to the inserted memory card.

6. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the drone and controller. Avoid using solvents or harsh chemicals.
- **Propeller Inspection:** Regularly check propellers for cracks, bends, or damage. Replace damaged propellers immediately.
- **Battery Care:** Store batteries in a cool, dry place. Do not store fully charged or fully discharged for extended periods. Charge to about 50-60% for long-term storage.
- **Storage:** When not in use, store the drone and its components in the provided storage bag or a protective case to prevent damage.

7. Troubleshooting

Problem	Possible Cause	Solution
Drone does not power on.	Battery not charged or not installed correctly.	Ensure battery is fully charged and securely inserted.
Drone drifts during flight.	Improper calibration or strong winds.	Perform IMU and compass calibration. Fly in calm conditions.
No GPS signal.	Flying indoors or in an area with signal interference.	Move to an open outdoor area. Wait for GPS satellites to connect.
Remote controller screen is blank.	Controller battery low or powered off.	Charge the controller. Ensure it is powered on.
Poor camera image quality.	Lens is dirty or memory card issue.	Clean the camera lens. Ensure memory card is properly inserted and has sufficient space.

8. Specifications

Feature	Detail
Brand	CBDZONE
Model Name	V918MAX
Video Capture Resolution	8K
Effective Still Resolution	12 MP
Connectivity Technology	Bluetooth, Wi-Fi
Skill Level	Beginner; All
Item Weight	246 Grams (8.7 ounces)
Battery Cell Composition	Lithium Ion
Product Dimensions	9.65"L x 11.37"W x 2.2"H
Manufacturer	Fengju-Direct
Model Number	RLV001

9. Warranty and Support

For warranty information and customer support, please refer to the documentation provided with your purchase or contact the retailer. Keep your proof of purchase for any warranty claims.

For technical assistance or inquiries, please visit the official CBDZONE website or contact their customer service department.