

BayDe E99 Pro2

BayDe E99 Pro2 Drone User Manual

4K HD FPV Wide Dual Camera Foldable RC Quadcopter Accessories and Parts

INTRODUCTION

This manual provides essential information for the safe and effective use of your BayDe E99 Pro2 Drone accessories and replacement parts. Please read this manual thoroughly before assembly, operation, or maintenance to ensure proper function and longevity of your product. Keep this manual for future reference.

SAFETY GUIDELINES

Adhering to these safety guidelines is crucial for preventing damage to the product and ensuring user safety:

- **Adult Supervision:** This product contains small parts and is not suitable for children under 14 years old without adult supervision.
- **Proper Assembly:** Ensure all parts are correctly assembled and secured before operation. Incorrect assembly can lead to malfunction or damage.
- **Battery Safety:** Use only recommended batteries. Do not overcharge or short-circuit batteries. Dispose of batteries responsibly.
- **Environmental Conditions:** Avoid operating in strong winds, rain, or extreme temperatures.
- **Propeller Safety:** Keep fingers, hair, and loose clothing away from rotating propellers. Always power off the drone before handling propellers.
- **Component Handling:** Handle electronic components and wires with care to avoid damage.

PACKAGE CONTENTS

Your package for the E99 Pro2 Drone accessories and parts may include the following components. Please verify all items upon receipt:

- Foldable Drone Arms (Front and Rear)
- Propellers (Sets for replacement)
- Propeller Guards

- Coreless Motors with Wires
- Motor Gears
- Shafts and Bushings
- Other small assembly components



Image: A comprehensive view of the E99 Pro2 drone replacement parts, including foldable arms, multiple sets of propellers, small motor gears, and four coreless motors with connecting wires. Also visible are propeller guards and various small white plastic components for assembly.



Image: An alternative perspective of the E99 Pro2 drone parts, highlighting the foldable arms, several pairs of black propellers, four coreless motors with wires, and a collection of small white gears and shafts. Propeller guards are also visible in the upper right.

SETUP AND ASSEMBLY

This section outlines the general steps for assembling or replacing components of your E99 Pro2 Drone. Specific steps may vary based on the part being replaced.

1. Arm Replacement:

- Carefully remove the damaged arm by unscrewing any retaining screws and disconnecting motor wires if necessary.
- Connect the motor wires of the new arm to the corresponding points on the drone's circuit board (ensure correct polarity).
- Secure the new arm in place with the retaining screws.

2. Motor Replacement:

- If replacing a motor, gently desolder the old motor wires from the circuit board.
- Solder the new motor's wires to the correct pads on the circuit board. Pay attention to wire color and polarity for proper rotation.
- Ensure the motor is securely seated within the arm housing.

3. Propeller Installation/Replacement:

- Each propeller is marked with 'A' or 'B' (or similar, e.g., A1/A2, B1/B2). Match the propeller type to the corresponding motor shaft.
- Gently push the propeller onto the motor shaft until it is snug. Do not force it.
- Ensure propellers spin freely without obstruction.

4. Propeller Guard Attachment:

- Align the propeller guards with the designated attachment points on the drone's arms.
- Secure them using the provided screws or clips.

OPERATING INSTRUCTIONS

This section provides general guidance for operating the E99 Pro2 Drone. Refer to your drone's primary user manual for detailed flight controls and app usage.

- **Power On:** Ensure the drone battery is charged and correctly installed. Power on the drone, then the remote controller.
- **Pairing:** Follow the drone's specific pairing procedure (usually pushing the left joystick up then down, or a specific button sequence) to connect the drone and controller.
- **Calibration:** Perform gyroscope calibration on a flat surface as instructed by your drone's main manual.
- **Take-off:** Use the one-key take-off button or manually push both joysticks to the bottom-outer corners to arm the motors, then slowly push the left joystick up to ascend.
- **Flight Controls:**
 - Left Joystick: Up/Down for altitude, Left/Right for rotation (yaw).
 - Right Joystick: Up/Down for forward/backward flight, Left/Right for sideward flight (strafe).
- **Landing:** Use the one-key landing button or slowly pull the left joystick down to descend.
- **Camera Operation:** If your drone has a camera, connect to the drone's Wi-Fi network via your smartphone. Use the dedicated app to view the FPV feed, capture photos, and record videos.

MAINTENANCE

Regular maintenance helps extend the lifespan of your E99 Pro2 Drone and its components:

- **Cleaning:** After each flight, gently wipe down the drone body and arms with a soft, dry cloth to remove dust and debris. Avoid using harsh chemicals.
- **Propeller Inspection:** Regularly check propellers for cracks, bends, or chips. Replace damaged propellers immediately as they can affect flight stability and efficiency.
- **Motor Care:** Keep motors free of dust and hair. If motors become noisy or less efficient, they may need cleaning or replacement.
- **Battery Storage:** Store batteries in a cool, dry place, away from direct sunlight and extreme temperatures. For long-term storage, charge batteries to about 50% capacity.
- **Component Check:** Periodically check all screws and connections to ensure they are secure.

TROUBLESHOOTING

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Drone does not power on.	Battery not charged or incorrectly installed.	Charge battery fully. Ensure battery is inserted correctly and securely.
Drone does not pair with controller.	Incorrect pairing procedure; interference.	Repeat pairing steps. Ensure drone and controller are close. Turn off other wireless devices.
Drone drifts during flight.	Uncalibrated gyroscope; damaged propeller.	Perform gyroscope calibration on a flat surface. Inspect and replace any damaged propellers.
Motors not spinning or unevenly.	Motor wires loose; motor damaged; propeller obstruction.	Check motor wire connections. Clear any obstructions around propellers. Replace faulty motor if necessary.
Camera feed is unstable or absent.	Poor Wi-Fi connection; camera module issue.	Ensure strong Wi-Fi signal. Restart drone and app. Check camera module connection.

SPECIFICATIONS

The following specifications are for the BayDe E99 Pro2 Drone components:

- **Model:** E99 Pro2
- **Compatibility:** Designed for E99 Pro2 Drone series
- **Material:** Durable ABS plastic, electronic components
- **Item Weight:** Approximately 1.76 ounces (for certain components)
- **Package Dimensions:** Approximately 1.18 x 0.79 x 0.39 inches (for certain components)

SUPPORT AND WARRANTY

For further assistance, technical support, or warranty inquiries regarding your BayDe E99 Pro2 Drone accessories and parts, please refer to the contact information provided by your original retailer or the BayDe official support channels. Keep your purchase receipt as proof of purchase for any warranty claims. Always ensure you are using genuine BayDe replacement parts to maintain product performance and validity of any applicable warranties.