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› [CUIPPWRJ V3008 Performance Cinematic Drone Motor \(1155KV\) Instruction Manual](#)

CUIPPWRJ V3008

CUIPPWRJ V3008 Performance Cinematic Drone Motor

Model: V3008 (1155KV Variant)

INTRODUCTION

This instruction manual provides essential information for the safe and effective use of your CUIPPWRJ V3008 Performance Cinematic Drone Motor. Designed for cinematic drones, this motor delivers exceptional power and responsiveness, optimized for longer flight times and reduced consumption. Please read this manual thoroughly before installation and operation.

SAFETY INFORMATION

Always prioritize safety when working with drone components. Failure to follow these guidelines may result in injury or damage to equipment.

- **Rotating Parts:** Keep fingers, hair, and loose clothing away from the motor during operation. Propellers, when attached, can cause severe injury.
- **Electrical Hazards:** Ensure all electrical connections are secure and properly insulated. Avoid contact with live wires. Disconnect power before handling the motor or making connections.
- **Proper Installation:** Install the motor securely to the drone frame using the provided screws. Loose motors can cause vibrations and lead to catastrophic failure.
- **Battery Safety:** Use only compatible batteries and Electronic Speed Controllers (ESCs) that match the motor's voltage and current requirements. Over-discharging or over-charging batteries can be dangerous.
- **Heat:** Motors can become hot during operation. Allow the motor to cool before handling after use.
- **Professional Installation:** If you are unsure about any installation steps, seek assistance from an experienced drone technician.

PACKAGE CONTENTS

Verify that all items are present in your package:

- 1x CUIPPWRJ V3008 Cinematic Motor (1155KV variant)
- 1x Washer
- 9x Screws
- 2x O-rings

- 2x Nuts

SETUP

Follow these steps for proper installation of your V3008 motor:

1. **Mounting the Motor:** Securely attach the motor to your drone frame's motor mount using the provided screws. Ensure the motor is flush and stable.
2. **Connecting to ESC:** Connect the three motor wires to the corresponding wires on your Electronic Speed Controller (ESC). The order of connection may affect motor rotation direction. If the motor spins in the wrong direction, swap any two of the three wires.
3. **Propeller Attachment:** Once the motor is installed and tested for correct rotation, attach the propeller to the motor shaft. Ensure the propeller is balanced and tightened securely with the provided nuts and washer. Do not overtighten.
4. **Final Checks:** Double-check all connections for security and proper insulation. Ensure no wires are pinched or exposed.



Image showing the CUIPPWRJ V3008 Performance Cinematic Drone Motor, highlighting its compact design and wiring for installation.

OPERATING

The V3008 motor operates in conjunction with an Electronic Speed Controller (ESC) and a flight controller. Proper calibration and configuration are crucial for optimal performance.

- **ESC Calibration:** Refer to your ESC's manual for proper calibration procedures. This ensures the ESC accurately interprets signals from the flight controller.
- **Flight Controller Configuration:** Configure your flight controller to recognize and control the motors. This includes setting motor directions, ESC protocols, and PID tuning.
- **Power Supply:** Ensure your battery provides the correct voltage (25.2V recommended) and sufficient current for the motor's demands.
- **Pre-Flight Check:** Before each flight, perform a visual inspection of the motors and propellers. Confirm all screws are tight and wires are secure.

MAINTENANCE

Regular maintenance extends the lifespan and ensures consistent performance of your motor.

- **Inspection:** Periodically inspect the motor for any signs of damage, such as bent shafts, loose magnets, or frayed wires. Check the bearings for smooth rotation and replace if gritty or noisy.
- **Cleaning:** Keep the motor free from dust, dirt, and debris. Use compressed air or a soft brush to clean the motor housing and stator. Avoid using liquids that could damage internal components.
- **Screw Tightness:** Regularly check and tighten all mounting screws to prevent vibrations and potential motor detachment.
- **Storage:** Store the motor in a clean, dry environment away from extreme temperatures and direct sunlight.
- **Avoid Over-stressing:** Do not continuously operate the motor at its maximum limits, as this can lead to overheating and premature wear.

TROUBLESHOOTING

If you encounter issues with your V3008 motor, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|---|---|--|
| Motor not spinning or irregular operation | Loose wire connections, incorrect ESC calibration, damaged ESC, motor damage. | Check all motor-to-ESC connections. Re-calibrate the ESC. Test with a different ESC or motor if possible to isolate the issue. |
| Excessive heat from motor | Overloading, incorrect propeller size, short circuit, damaged bearings. | Ensure propeller size is appropriate for the motor and drone weight. Check for any binding or friction. Inspect bearings for smooth operation. |
| Unusual noise or vibration | Unbalanced propeller, loose motor mount, damaged bearings, bent motor shaft. | Check propeller balance. Tighten motor mounting screws. Inspect bearings and motor shaft for damage. |

SPECIFICATIONS (1155KV VARIANT)

| | |
|---------------------|-----------|
| KV Rating | 1155KV |
| Max Power (10s) | 1314.4W |
| Configuration | 12N14P |
| Shaft Diameter | 4mm |
| Idle Current | 0.94A |
| Lead Length | 18# 250mm |
| Recommended Voltage | 25.2V |
| Weight (Motor only) | 69.2g |
| Burst Current | 53.9A |

| | |
|-------------------|-------------|
| Item Model Number | CUIPPWRJ123 |
| Manufacturer | CUIPPWRJ |

WARRANTY AND SUPPORT

For warranty information or technical support, please contact CUIPPWRJ directly. Keep your purchase receipt as proof of purchase.

Manufacturer: CUIPPWRJ

Contact information (e.g., website, email, phone) can typically be found on the product packaging or the manufacturer's official website.