GEPRC Cinelog30 V3

GEPRC Cinelog30 V3 O4 Air Unit Pro FPV Drone (PNP) Instruction Manual

Your comprehensive guide to setup, operation, and maintenance.

1. PRODUCT OVERVIEW

The GEPRC Cinelog30 V3 O4 Air Unit Pro is a high-performance FPV drone designed for professional-grade aerial videography and dynamic flight. It features an O4 Pro Air Unit for ultra-sharp 4K/120fps footage, an aluminum-reinforced frame for durability, and a TAKER F722 45A AIO flight system for responsive handling.

Image 1: Top-down view of the GEPRC Cinelog30 V3 O4 Air Unit Pro FPV Drone, showcasing its orange protective frame and black carbon fiber components.

2. INCLUDED COMPONENTS

Verify that all the following components are included in your package:

- 1 x Cinelog30 V3 FPV Drone
- 1 x Protective Frame (transparent black)
- 2 x HQprop DT76mmx3 V2 (pair) - *Spare Propellers*
- 1 x 15*150mm Battery Strap
- 1 x L-shaped Screwdriver 1.5mm
- 1 x Grey Canopy
- 1 x Black Canopy
- 1 x Spare Screw Pack (includes M2 rivet nut, M2*4.5, M2*6, M2*4 button-head hex socket screws, M2*12 button-head screw, 2 x Damping Ball)
- 1 x Battery Anti-slip Pad
- 1 x Damping Ball Puncher

- 1 x Frequency Pairing Ejector pin

3. INITIAL SETUP

3.1 Unfolding the Drone

Carefully unfold the drone arms. Always unfold the front arms first, then the rear arms. Ensure they click securely into place.

Image 2: Angled view of the GEPRC Cinelog30 V3 FPV Drone with its arms unfolded, ready for flight.

3.2 Propeller Installation (If Required)

The drone comes with propellers pre-installed. If replacement is needed, ensure correct orientation. Match the propeller rotation direction to the motor direction. Use the provided L-shaped screwdriver for secure attachment.

3.3 Battery Connection

Connect a fully charged LiHV 4S 660mAh-720mAh battery (not included) to the XT30 connector on the drone. Secure the battery using the provided battery strap and anti-slip pad.

3.4 Canopy Installation

Choose between the grey or black canopy and securely attach it to the drone frame. Ensure it does not obstruct any sensors or the camera.

4. FPV SYSTEM SETUP (O4 AIR UNIT PRO & GOGGLES)

The Cinelog30 V3 is equipped with the O4 Air Unit Pro for high-quality digital FPV transmission. For optimal experience, it is recommended to use compatible FPV goggles, such as the DJI Goggles 3.

4.1 Liveview Sharing with DJI Goggles 3

The DJI Goggles 3 allow for live view sharing to a mobile device or other goggles. This feature is useful for co-pilots or spectators to view the drone's feed.

Video 1: This video demonstrates how to set up live view sharing from DJI Goggles 3 to a mobile device or other compatible goggles, allowing multiple users to see the drone's real-time camera feed.

For detailed instructions on connecting and sharing live view with DJI Goggles 3, please refer to the video above. Ensure your mobile device has the DJI Fly app installed and that Wi-Fi and Bluetooth are enabled for wireless connections.

5. OPERATION GUIDELINES

5.1 Pre-Flight Checks

- Ensure all arms are fully extended and locked.
- Check propellers for any damage and ensure they are securely fastened.
- Verify battery is fully charged and securely attached.
- Confirm FPV goggles and remote controller are powered on and connected.
- Perform a visual inspection of the drone for any loose parts or damage.

5.2 Take-off and Landing

Place the drone on a flat, open surface, clear of obstacles. Follow your remote controller's specific instructions for arming motors and initiating take-off. For landing, gently descend the drone to a clear area.

5.3 Flight Controls

Familiarize yourself with your remote controller's stick configurations for throttle, yaw, pitch, and roll. Practice in a safe, open environment before attempting complex maneuvers.

5.4 Camera Operation

The O4 camera captures ultra-sharp 4K/120fps footage. Use your FPV goggles or connected mobile device to view the live feed and control camera settings. The advanced structural design isolates camera vibration for smooth footage.

5.5 Active Tracking

The drone supports active tracking features, allowing it to follow moving subjects. Refer to your remote controller and FPV system manual for specific active tracking mode activation and usage.

6. MAINTENANCE AND CARE

6.1 Cleaning

Regularly clean the drone, especially after flights in dusty or dirty environments. Use a soft, dry cloth to wipe down the frame and propellers. Ensure the camera lens is clean for clear footage.

6.2 Propeller Replacement

Inspect propellers before each flight for cracks, bends, or chips. Replace damaged propellers immediately using the spare HQprop DT76mmx3 V2 pairs and the provided screwdriver. Incorrectly installed or damaged propellers can affect flight stability and safety.

6.3 Firmware Updates

Periodically check the GEPRC official website for firmware updates for the TAKER F722 45A 32Bit AIO flight system (FC Firmware: GEPRC_F722_AIO). Follow the provided instructions carefully to ensure proper update installation.

6.4 Battery Care

Store LiHV batteries in a cool, dry place away from direct sunlight. Do not overcharge or over-discharge batteries. Always use a compatible charger. Discontinue use of any damaged or swollen batteries.

7. TROUBLESHOOTING

- **Drone not powering on:** Ensure the battery is fully charged and correctly connected to the XT30 connector.
- **No FPV feed:** Check the connection between the O4 Air Unit Pro and your FPV goggles. Ensure both devices are powered on and correctly paired.
- **Unstable flight:** Inspect propellers for damage or incorrect installation. Calibrate the gyroscope and accelerometer if necessary (refer to the flight controller manual).
- **Remote controller not connecting:** Ensure the remote controller is powered on and correctly bound to the drone's receiver (PNP digital built-in VTS receiver). Use the frequency pairing ejector pin if re-binding is required.

For further assistance, please contact GEPRC customer support.

8. SPECIFICATIONS

Feature	Specification
Model	Cinelog30 V3 O4 Pro Quadcopter
Frame Model	GEP-CL30 V3
Carbon Fiber Plate Thickness	2.5mm
Wheelbase	128mm
Flight System	TAKER F722 45A 32Bit AIO
MCU	STM32F722RET6
Gyro	ICM 42688-P
FC Firmware	GEPRC_F722_AIO
Flash	16MB
ESC	32Bit 45A
Motor	SPEEDX2 1404 3850KV
Propellers	HQprop DT76mmx3 V2
Battery Connector	XT30

Feature	Specification
VTX	O4 AIR Unit Pro
Camera	O4
Antenna	O4 original
Receiver	PNP (digital built-in VTS receiver)
Recommended Battery	LiHV 4S 660mAh-720mAh
Approximate Flight Time	8'10″ (Tested at slow cruising speeds; actual times may vary with flying method)
Video Capture Resolution	4K
Item Weight	190 Grams (approx. 6.7 ounces)
Product Dimensions	7.99"L x 7.99"W x 3.54"H

9. WARRANTY AND SUPPORT

For warranty information, technical support, or to purchase replacement parts, please visit the official GEPRC website or contact their customer service directly. Keep your purchase receipt for warranty claims.

You can also visit the GEPRC Store on Amazon for additional product information and support resources.