JAMARA 422027

JAMARA 422027 Angle 120 Altitude HD WiFi FPV Quadrocopter User Manual

Model: 422027

Overview   **Setup**   **Safety Information**   **Package Contents**   **Product Operation**   **Maintenance**   **Troubleshooting**   **Specifications**   **Warranty & Support**

1. SAFETY INFORMATION

WARNING:

This product is not appropriate for children under the age of 14. Adult supervision is recommended for all users.

- Always operate the quadrocopter in open areas, away from people, animals, and obstacles.
- Do not fly near high-voltage lines, buildings, or airports.
- Ensure the battery is fully charged before each flight.
- Never leave charging batteries unattended.
- Keep fingers and hair away from rotating propellers.
- Do not modify the quadrocopter or its components.
- Store the quadrocopter and its accessories in a cool, dry place.

2. PACKAGE CONTENTS

Please check the package contents carefully upon unboxing to ensure all items are present and undamaged.

- JAMARA Angle 120 Altitude HD Wifi FPV Quadrocopter
- 2.4 GHz Transmitter (Remote Control)
- Rechargeable Battery Pack (3.7V 520mAh)
- Set of Rotor Blades (Spare)

- USB Charging/Data Transfer Cable
- USB Adapter for Micro SD Card
- HD Camera with 4 GB Micro SD Card
- Instruction Manual

Image 2.1: Quadrocopter, remote control, and included accessories.

3. PRODUCT OVERVIEW

The JAMARA 422027 Angle 120 Altitude HD WiFi FPV Quadrocopter is designed for an engaging flight experience, featuring advanced controls and a high-definition camera.

Key Features:

- **Altitude Hold Adjustment (AHA):** Maintains a stable altitude automatically.
- **Compass Function (AHP+):** Activated or deactivated via the remote control for easier orientation.
- **120° Wide-angle HD (720p) WiFi FPV Camera:** Capture photos and videos with a wide field of view, stream live to your smartphone. Includes a removable 4 GB Micro SD card.
- **360° Flip-Jump Function:** Perform acrobatic maneuvers with ease.
- **6-Axis Gyro Self-Stabilizing Flight Control:** Ensures stable and precise flight.
- **Intelligent LED Lighting:** Red/green LEDs indicate direction and provide low voltage warnings.
- **4-Channel 2.4 GHz Transmitter:** Provides reliable control.
- **Fully Trimmable:** Allows for fine-tuning of flight characteristics.
- **Robust Lightweight Plastic Frame:** Durable construction for longevity.
- **4 Powerful Motors:** Delivers speeds up to 40 Km/h.
- **3 Flight Modes:** Slow, Medium, and Fast for varying skill levels.
- **Turbo Function:** Provides an extra burst of speed.
- **Smartphone Holder:** Integrated into the remote control for FPV viewing.

- **App Control:** Controllable via both the transmitter and a dedicated smartphone app.

- **Automatic Take-off/Landing:** One-button function for simplified operation.

- **Quick Battery Change:** Super easy slot-in design for fast battery swaps.

- **G-Sensor Control:** Allows for intuitive control via smartphone movement.

- **VR Glasses Compatibility:** View FPV footage through VR glasses using Splitscreen VR Mode (VR glasses sold separately).

Image 3.1: Top view of the quadrocopter, highlighting its design and LED lights.

Image 3.2: Front view of the quadrocopter, featuring the integrated HD camera.

4. SETUP

4.1 Charging the Quadrocopter Battery

1. Remove the battery pack from the quadrocopter.
2. Connect the battery pack to the USB charging cable.
3. Plug the USB charging cable into a suitable USB power source (e.g., computer USB port, USB wall adapter).
4. The charging indicator light on the cable will show the charging status (refer to the cable's specific instructions for light indications).
5. Once fully charged, disconnect the battery from the cable and the power source.

Image 4.1: Inserting the rechargeable battery into the quadrocopter.

4.2 Installing Transmitter Batteries

The transmitter requires 4 x AAA 1.5V batteries (not included).

1. Open the battery compartment on the back of the transmitter.
2. Insert 4 AAA batteries, ensuring correct polarity (+/-).
3. Close the battery compartment securely.

4.3 Attaching Propellers and Guards

Ensure propellers are securely attached to their respective motor shafts. If propeller guards are included, attach them for added protection.

4.4 Installing the Micro SD Card

Insert the provided 4 GB Micro SD card into the camera slot on the quadrocopter. Ensure it is inserted correctly until it clicks into place.

4.5 Pairing the Quadrocopter and Transmitter

1. Place the quadrocopter on a flat, level surface.

2. Turn on the quadrocopter. The LED lights will flash.

3. Turn on the transmitter.

4. Move the left joystick (throttle) fully up, then fully down. The transmitter will beep, and the quadrocopter's LED lights will become solid, indicating successful pairing.

Image 4.2: The 2.4 GHz remote control for the quadrocopter.

4.6 Smartphone App Connection (FPV)

1. Download the official JAMARA FPV app from your smartphone's app store (available on App Store and Google Play).

2. Turn on the quadrocopter.

3. On your smartphone, go to Wi-Fi settings and connect to the quadrocopter's Wi-Fi network (usually named 'JAMARA_FPV_XXXX').

4. Open the JAMARA FPV app. You should see a live video feed from the quadrocopter's camera.

5. Mount your smartphone onto the transmitter's holder.

Image 4.3: Extending the smartphone holder on the remote control.

Image 4.4: Remote control with a smartphone attached for FPV viewing.

5. OPERATING INSTRUCTIONS

5.1 Basic Flight Controls

Familiarize yourself with the transmitter's joysticks and buttons:

- **Left Joystick (Throttle/Yaw):**

    - Up/Down: Controls altitude (throttle).
    - Left/Right: Controls yaw (rotation).

- **Right Joystick (Pitch/Roll):**

    - Up/Down: Controls pitch (forward/backward movement).
    - Left/Right: Controls roll (sideways movement).

- **Trim Buttons:** Used to fine-tune the quadrocopter's stability if it drifts in any direction.

5.2 Take-off and Landing

- **Manual Take-off:** After pairing, slowly push the left joystick (throttle) upwards to lift off.
- **Automatic Take-off:** Press the dedicated one-button take-off button on the transmitter (refer to transmitter diagram in full manual). The quadrocopter will automatically ascend to a stable altitude.
- **Manual Landing:** Slowly pull the left joystick (throttle) downwards until the quadrocopter lands.
- **Automatic Landing:** Press the dedicated one-button landing button. The quadrocopter will automatically descend and land.

5.3 Special Functions

- **Altitude Hold Adjustment (AHA):** Once airborne, the quadrocopter will automatically maintain its current altitude when the throttle stick is centered.
- **360° Flip-Jump:** While flying, press the flip button (refer to transmitter diagram) and then move the right joystick in the desired flip direction.
- **Flight Modes (Slow, Medium, Fast):** Use the speed selection button (refer to transmitter diagram) to cycle through the three flight modes.
- **Turbo Function:** Activate the turbo button for a temporary increase in speed.
- **Compass Function (AHP+):** This function can be activated or deactivated via the radio to assist with directional control.

5.4 Camera Operation (Photo/Video)

With the Micro SD card inserted and the FPV app connected:

- **Taking Photos:** Press the photo button on the transmitter or within the app.
- **Recording Video:** Press the video button on the transmitter or within the app to start/stop recording.
- Recorded media is saved to the Micro SD card. You can also view live FPV footage on your smartphone.

6. MAINTENANCE

6.1 Cleaning

- Wipe the quadrocopter and transmitter with a soft, dry cloth after each use.
- Do not use water or chemical cleaners.

6.2 Propeller Inspection

- Regularly check propellers for any damage (cracks, bends).
- Replace damaged propellers immediately using the provided spare parts.

6.3 Battery Care

- Do not overcharge or over-discharge the battery.
- Store batteries in a cool, dry place away from direct sunlight.
- If not used for an extended period, charge the battery to approximately 50% capacity.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Quadrocopter does not respond to transmitter.	Not paired; low battery (quadrocopter or transmitter).	Re-pair the quadrocopter and transmitter; charge quadrocopter battery; replace transmitter batteries.
Quadrocopter drifts during flight.	Needs trimming; uneven surface during calibration.	Use trim buttons to adjust; ensure quadrocopter is on a flat surface when powered on.
FPV feed is choppy or disconnected.	Weak Wi-Fi signal; too far from quadrocopter; interference.	Ensure strong Wi-Fi connection; fly closer to the quadrocopter; avoid areas with high Wi-Fi interference.
Cannot record photos/videos.	Micro SD card full or not inserted correctly; camera malfunction.	Check Micro SD card, ensure it's inserted correctly and has free space; format card if necessary.

8. SPECIFICATIONS

Feature	Detail
Model Number	422027

Feature	Detail
Product Dimensions	20 x 7.5 x 4 cm
Item Weight	100 g
Rotor Diameter	~ 75 mm
Battery	3.7V 520mAh
Transmitter	2.4 GHz, 4-channel
Camera	HD (720p) 120° Wide-angle WiFi FPV
Video Capture Resolution	1280 x 720
Max Speed	Up to 40 Km/h
Recommended Age	14 years and up

9. WARRANTY AND SUPPORT

JAMARA products are manufactured to high-quality standards. For detailed warranty information, technical support, or to purchase spare parts, please visit the official JAMARA website or contact their customer service.

Official Website: **JAMARA Product Page**

Please retain your proof of purchase for any warranty claims.

Related Documents - 422027

[JAMARA Angle 120 Altitude 2.4 GHz Drone User Manual](#)
This user manual provides instructions for the JAMARA Angle 120 Altitude 2.4 GHz drone, covering setup, operation, safety guidelines, and troubleshooting. It includes details on component identification, charging, flight modes, and app connectivity.

[JAMARA Payload Altitude AHP+ 2.4 GHz Drone - User Manual & Flight Guide](#)

Comprehensive user manual and flight guide for the JAMARA Payload Altitude AHP+ 2.4 GHz drone (Models 422012, 422013, 422014), covering setup, operation, safety, and troubleshooting.

[JAMARA Q7 Standard Servo (033215) - Technical Specifications and Information](#)

Detailed technical specifications, declaration of conformity, and usage information for the JAMARA Q7 Standard servo (model 033215). Learn about its performance, dimensions, and manufacturer details from JAMARA e.K.

[JAMARA Quad 12V (404640) - Electric Ride-On Toy Instruction Manual](#)

Official instruction manual for the JAMARA Quad 12V (Model 404640). Learn how to assemble, operate, charge, and troubleshoot this electric ride-on toy for children. Includes safety guidelines, parts list, and disposal information.

[JAMARA Kipper Trailer for Fendt Tractor - Instruction Manual](#)

Instruction manual and safety information for the JAMARA Kipper trailer accessory for Fendt tractors (model 412412). Includes assembly, operation, and disposal guidelines.

[Liebherr L 564 Radlader RC Toy Instruction Manual](#)

This document provides comprehensive instructions for operating the Liebherr L 564 Radlader remote-controlled toy, including safety guidelines, component descriptions, battery installation, and operational procedures in multiple languages.