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› LMRC LM19-A Drone with Camera User Manual

LMRC LM19-A

LMRC LM19-A Drone User Manual

Model: LM19-A | Brand: LMRC

1. INTRODUCTION

Welcome to the user manual for your LMRC LM19-A Drone. This drone is designed for both beginners and experienced users, offering a stable flight experience with advanced features like a 1080P HD camera, WiFi FPV real-time transmission, and a unique ground mode. Please read this manual carefully before operating your drone to ensure safe and optimal performance.



Image: The LM19-A Drone, showcasing its design and included components.

2. WHAT'S IN THE BOX

Your LMRC LM19-A Drone package includes the following components:

- LM19-A Drone with HD Camera
- Remote Controller
- 2 x Modular Lithium Polymer Batteries
- USB Charging Cable
- Propellers (spare set included)
- Screwdriver
- Display Base
- Mobile Phone Holder
- User Manual



Image: A visual representation of all items included in the product packaging.

3. SETUP GUIDE

3.1 Battery Charging

Before first use, fully charge both modular batteries using the provided USB charging cable. Connect the cable to a USB power adapter (not included). The indicator light on the battery will change when charging is complete.

3.2 Propeller Installation

Ensure propellers are securely attached to the drone. Match the propellers to their corresponding motor arms as indicated in the diagram (usually A/B markings). Use the provided screwdriver if necessary.

3.3 Remote Controller Setup

Install 3 AAA batteries (not included) into the remote controller. Attach the mobile phone holder to the remote controller if you plan to use the FPV feature.

3.4 App Installation (for FPV)

Download the official LMRC drone app from your mobile device's app store. Search for "LMRC Drone" or

scan the QR code provided in the quick start guide (if applicable). Enable Wi-Fi on your device and connect to the drone's Wi-Fi network (usually named "LMRC-XXXXXX").

4. OPERATING INSTRUCTIONS

4.1 Power On and Pairing

1. Insert a charged battery into the drone and press the power button to turn it on.
2. Turn on the remote controller.
3. Push the left joystick up then down to pair the remote with the drone. The drone's lights will become solid when paired.

4.2 Basic Flight Controls

Familiarize yourself with the remote controller's joysticks:

- **Left Joystick (Throttle/Yaw):** Up/Down for altitude, Left/Right for rotation.
- **Right Joystick (Direction):** Up/Down for forward/backward, Left/Right for left/right movement.



Image: Visual guide to user-friendly features like One Key Start/Landing, Headless Mode, and Altitude Hold.

4.3 One Key Start/Landing

Press the One Key Start/Landing button on the remote controller to automatically take off or land the drone. This feature simplifies initial flight and safe descent.



Image: Illustration of the One Key Start/Landing function, showing the drone ascending or descending.

4.4 Altitude Hold

The drone features an Altitude Hold function, allowing it to maintain a stable height automatically. This makes controlling the drone easier, especially for beginners, as you only need to focus on horizontal movement.



Image: The drone demonstrating its Altitude Hold capability, maintaining a steady height.

4.5 Headless Mode

In Headless Mode, the drone's orientation is relative to the pilot, regardless of the drone's actual front. This simplifies control, as you don't need to worry about which way the drone is facing.



Image: An illustration of Headless Mode, showing how the drone's direction is relative to the controller.

4.6 1080P HD Camera & FPV Real-Time Transmission

The drone is equipped with a 1080P HD camera for capturing high-quality photos and videos. Through the Wi-Fi FPV (First Person View) feature, you can stream live video directly to your connected mobile device

via the LMRC app.



Image: Demonstrates the FPV Real-Time Transmission feature, showing the drone's camera view on a smartphone.

4.7 Ground Mode

The LM19-A drone can also operate in ground mode, allowing it to slide on smooth surfaces. This provides a different remote control experience and can be activated via a switch on the remote or app.



Image: The drone in Land Glide Mode, demonstrating its ability to move on flat surfaces.

4.8 Speed Modes

The drone offers 2-level flight speed options (Fast and Slow Mode) to accommodate different skill levels and flying environments. Adjust the speed via the dedicated button on the remote controller.



Image: Depiction of the drone's two speed modes, Fast and Slow, for varied flight experiences.

5. MAINTENANCE

5.1 Battery Care

- Always use the original charging cable.
- Do not overcharge or over-discharge batteries.
- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- If not used for a long period, charge batteries to about 50% capacity every 3 months.

5.2 Propeller Inspection and Replacement

Regularly check propellers for any damage (cracks, bends). Damaged propellers can affect flight stability and safety. Replace them with spare propellers as needed, ensuring correct orientation.

5.3 Cleaning

Use a soft, dry cloth to clean the drone body. Avoid using water or harsh chemicals. Gently clean the

camera lens with a microfiber cloth.

6. TROUBLESHOOTING

- **Drone not responding to remote:** Ensure both drone and remote are powered on and properly paired. Check remote control battery levels.
- **Drone unstable during flight:** Check for damaged propellers and replace if necessary. Perform a calibration if available (refer to quick start guide for specific steps).
- **Poor FPV video feed:** Ensure your mobile device is connected to the drone's Wi-Fi network. Reduce interference by flying in an open area.
- **Short flight time:** Ensure batteries are fully charged. Flight time can vary based on flight style, wind conditions, and use of features like FPV.
- **Drone not taking off:** Ensure propellers are installed correctly and not obstructed. Check battery charge.

7. SPECIFICATIONS

Feature	Detail
Brand	LMRC
Model Name	LM19 A
Special Features	Display Stand, Ground Mode, One Key Landing, Speed Adjustment, WiFi Live Video
Age Range (Description)	Adult (suitable for beginners and kids 8-12)
Color	Black
Video Capture Resolution	1080p
Connectivity Technology	Wi-Fi
Skill Level	Beginner and professional
Video Capture Format	MP4
Remote Control Technology	Wi-Fi
Control Type	Remote Control
Media Type	SD (for storage, if applicable)
Material	Plastic
Battery Cell Composition	Lithium Polymer
Batteries Included	Yes (2 required)
Supported Image Format	JPEG

Video Output Resolution	1280x720 Pixels
Product Dimensions	7.72"L x 5.71"W x 2.4"H
Item Weight	14.4 ounces

8. WARRANTY AND SUPPORT

Your LMRC LM19-A Drone comes with FCC certification, ensuring compliance with relevant standards. For any technical assistance, questions regarding operation, maintenance, or repair, please contact LMRC customer support. You can typically reach us via the platform where you purchased the product, for example, through the 'My Orders - Contact Seller' option on Amazon.

We are committed to providing professional technical guidance to resolve any flight-related issues you may encounter.