



Manuals.plus /

- › GoolRC /
- › GoolRC LS-MIN Mini Drone Instruction Manual

GoolRC LS-MIN

GoolRC LS-MIN Mini Drone Instruction Manual

Model: LS-MIN

1. INTRODUCTION

Thank you for purchasing the GoolRC LS-MIN Mini Drone. This manual provides essential information for the safe and efficient operation of your new drone. Please read this manual thoroughly before operating the aircraft to ensure proper setup, flight, and maintenance. Retain this manual for future reference.

2. SAFETY GUIDELINES

Operating a drone requires attention to safety. Adhere to the following guidelines to prevent injury or damage:

- **Flight Environment:** Fly in open, unobstructed areas, away from people, animals, buildings, and power lines. Avoid flying near airports or restricted airspace.
- **Weather Conditions:** Do not fly in strong winds, rain, snow, or fog. Optimal flight conditions are calm and clear.
- **Pre-Flight Check:** Always inspect the drone, propellers, and battery before each flight. Ensure all components are securely attached and undamaged.
- **Battery Safety:** Use only the provided charger and batteries. Do not overcharge or puncture batteries. Discontinue use if batteries show signs of swelling or damage.
- **Age Recommendation:** This product is suitable for adults and children. Adult supervision is recommended for younger operators.
- **Maintain Visual Line of Sight:** Always keep the drone within your visual line of sight during flight.
- **Respect Privacy:** Be mindful of privacy laws and personal space when using the camera function.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- GoolRC LS-MIN Mini Drone
- Remote Controller

- USB Charging Cable
- Spare Propellers (4 pieces)
- Protection Frames (4 pieces)
- Screwdriver
- Drone Batteries (3 pieces)
- App Manual
- User Manual (this document)
- Carry Bag

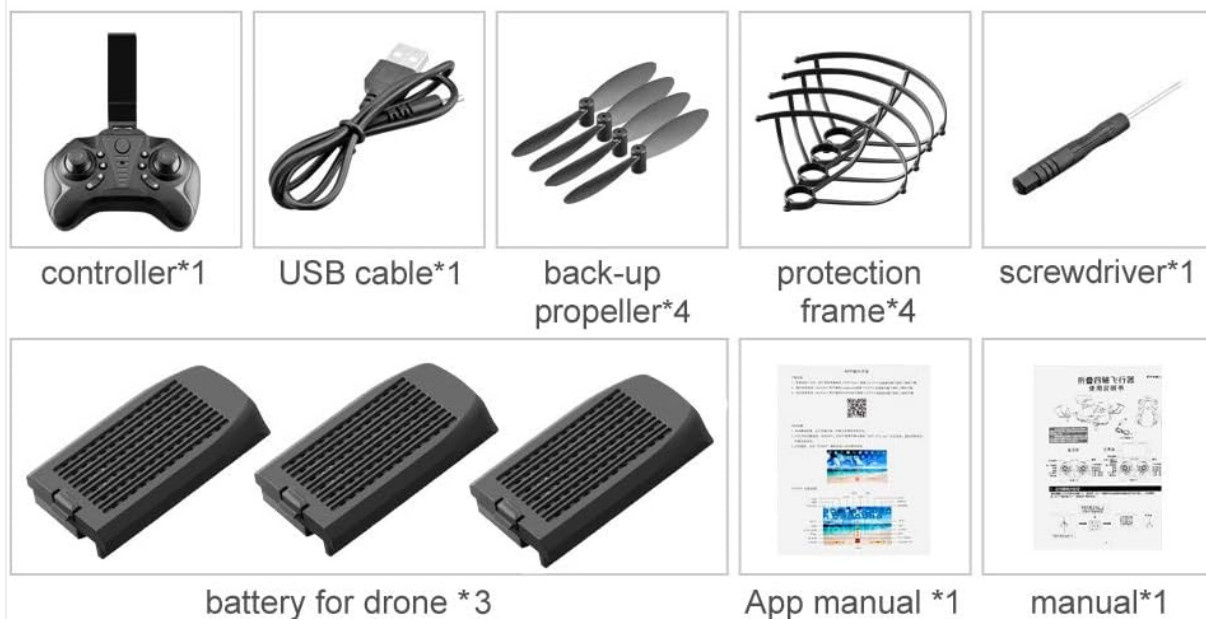
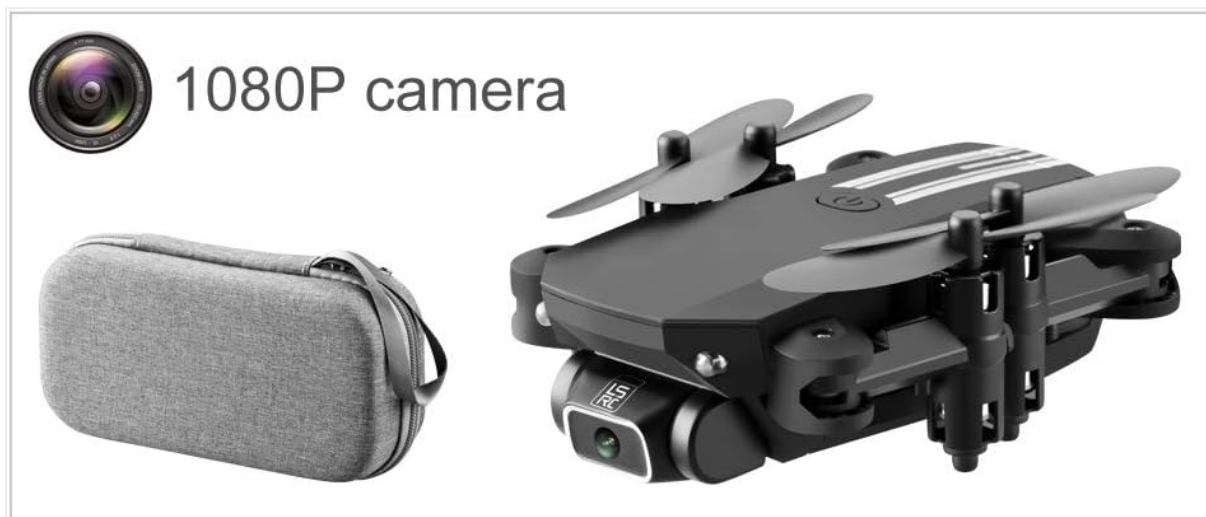


Image: All components included in the GoolRC LS-MIN Mini Drone package.

4. COMPONENT IDENTIFICATION

Familiarize yourself with the main parts of your drone and remote controller:

4.1 Drone Overview

LS-MIN

MINI DRONE

TO BE A DIRECTOR OF YOUR LIFE



Air pressure
altitude hold



APP
control



Track
flight



360 degree
rolling



HD camera



take photo
by gesture



one key to
to land



HD photo
transmission



Beauty
filter

Image: GoolRC LS-MIN Mini Drone highlighting key features.

- **Propellers:** Four rotating blades for lift and propulsion.
- **Motors:** Drive the propellers.
- **Camera:** 1080P HD camera for photo and video capture.
- **LED Lights:** Indicate drone status and aid in orientation.
- **Battery Compartment:** Houses the drone's rechargeable battery.
- **Power Button:** To turn the drone on/off.

4.2 Remote Controller Overview



Image: GoolRC LS-MIN Mini Drone and its remote controller with a smartphone holder.

- **Left Joystick:** Controls throttle (up/down) and yaw (rotate left/right).
- **Right Joystick:** Controls forward/backward and sideward flight (left/right).
- **One-Key Take-off/Landing Button:** Initiates automatic take-off or landing.
- **Headless Mode Button:** Activates/deactivates headless mode.
- **Speed Switch Button:** Adjusts flight speed (low/medium/high).
- **3D Flip Button:** Initiates a 3D flip maneuver.
- **Phone Holder:** Mount for your smartphone to view FPV feed.

5. SETUP

5.1 Battery Installation and Charging

Drone Battery:

1. Insert the drone battery into the battery compartment on the rear of the drone until it clicks into place.
2. To charge, connect the drone battery to the USB charging cable. Connect the USB cable to a 5V/1A USB power adapter (not included). The indicator light on the cable will illuminate during charging and turn off when fully charged.
3. Charging time is approximately 60-80 minutes for a full charge.

Remote Controller Batteries:

1. Open the battery cover on the back of the remote controller.
2. Insert 3 AAA batteries (not included) according to the polarity markings.
3. Close the battery cover.

MULTIPLE FUNCTIONS



ONE KEY TO TAKE OFF/LAND



ONE KEY TO RETURN



GRAVITY SENSOR



360° ROLLING

Image: Three drone batteries for the GoolRC LS-MIN.

5.2 Propeller Installation

Each propeller is marked with 'A' or 'B'. Match the propeller to the corresponding motor arm. Use the provided screwdriver to secure the propellers.

5.3 Protection Frame Installation

Attach the protection frames to each motor arm by gently snapping them into place. This helps protect the propellers during collisions.

5.4 App Installation and Connection

To utilize advanced features and FPV, download the designated mobile application:

1. Scan the QR code in the App Manual or search for "Mini App" on the App Store (iOS) or Google Play Store (Android).

2. Install the application on your smartphone.
3. Power on the drone.
4. On your smartphone, go to Wi-Fi settings and connect to the drone's Wi-Fi network (usually named "LS-MIN-XXXXXX").
5. Open the "Mini App" to establish a connection and view the live feed.

APP control

you can control the drone via mobile phone

Download the official designated APP, connect the aircraft through free wifi, you can use the mobile phone to control the drone with a variety of function. more convenience to operation.

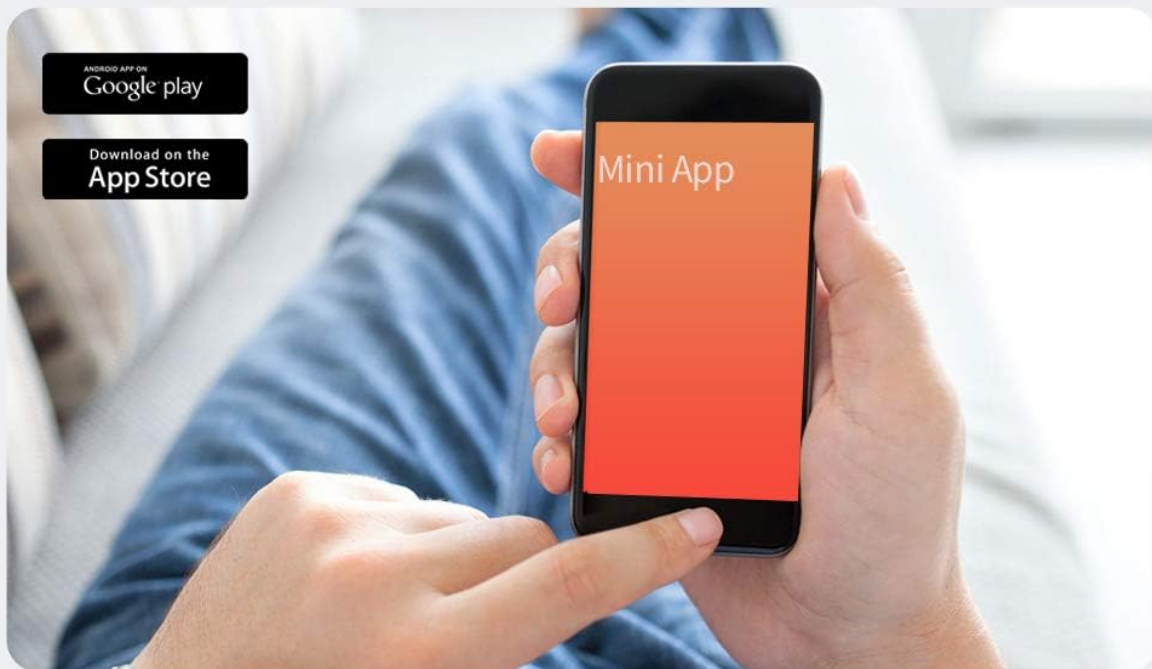


Image: Instructions for downloading and connecting to the drone's mobile application.

6. OPERATING INSTRUCTIONS

6.1 Pre-Flight Checklist

- Ensure drone and controller batteries are fully charged.
- Check that propellers are correctly installed and undamaged.
- Verify protection frames are securely attached.
- Choose a safe, open area for flight.

6.2 Pairing the Drone and Controller

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

2. Turn on the drone's power. The LED lights will flash.
3. Turn on the remote controller.
4. Push the left joystick (throttle) all the way up, then all the way down. The drone's LED lights will stop flashing and remain solid, indicating successful pairing.

6.3 Take-off and Landing

One-Key Take-off: After pairing, press the One-Key Take-off/Landing button. The drone will automatically ascend and hover at a stable altitude.

Manual Take-off: After pairing, push both joysticks down and outwards simultaneously to unlock the motors. Then, slowly push the left joystick (throttle) upwards to ascend.

One-Key Landing: During flight, press the One-Key Take-off/Landing button. The drone will automatically descend and land gently.

Manual Landing: Slowly pull the left joystick (throttle) downwards until the drone lands. Once landed, push both joysticks down and inwards to stop the motors.

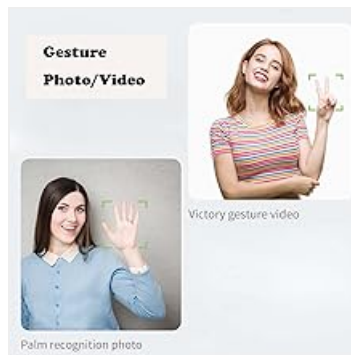


Image: The drone performing a one-key take-off.

6.4 Basic Flight Controls

- **Ascend/Descend:** Push the left joystick up/down.
- **Forward/Backward:** Push the right joystick up/down.
- **Turn Left/Right (Yaw):** Push the left joystick left/right.
- **Sideward Flight (Roll):** Push the right joystick left/right.

6.5 Advanced Features

The GoolRC LS-MIN Mini Drone includes several intelligent flight modes:

- **Altitude Hold Mode:** The drone maintains a stable altitude automatically, allowing for easier control and clearer aerial photography. This feature is enabled by the air pressure sensor.

AIR PRESSURE ALTITUDE HOLD

Air pressure fixed altitude hover can accurately lock the flight altitude and position, and make it in a stable hover, effectively prevent the aerial camera shake screen and make the photo blur, at the same time, let the new player more easily control the flight.



photo is more clear



Intelligent stable hover

Image: The drone utilizing Air Pressure Altitude Hold for stable hovering.

- **Headless Mode:** In headless mode, the drone's orientation is relative to the pilot, regardless of the drone's actual front direction. This simplifies control for beginners. Press the Headless Mode button to activate/deactivate.
- **3D Flips:** Press the 3D Flip button, then move the right joystick in any direction to perform a 360-degree flip. Ensure sufficient altitude and clear surroundings before attempting.
- **Gesture Photo/Video:** During flight, face the drone's camera and make specific hand gestures. The drone will automatically recognize and respond to take photos or record videos. Use a Palm Gesture for photos and a Victory Gesture for videos.



Image: Demonstrating gesture control for taking photos or videos.

- **Track Flight:** Using the mobile app, draw a desired flight path on your screen. The drone will automatically follow the set track.

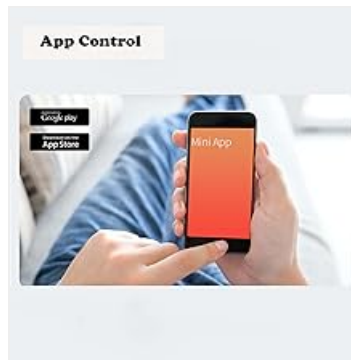


Image: The Track Flight feature, allowing users to draw a flight path on their smartphone.

6.6 Camera Operation

The drone is equipped with a 1080P HD camera for capturing images and videos.

- **Real-time FPV:** Connect your smartphone to the drone's Wi-Fi to view a live video feed directly on the app.



Image: Live broadcast of drone flight viewed on a smartphone.

- **Photo/Video Capture:** Use the dedicated buttons on the remote controller or the app interface to take photos or start/stop video recording.

- **Beauty Filter:** The app includes various beauty filters to enhance your photos and videos.

WITH 1080P FILM - LEVEL CAMERA

OFFER YOU MORE "CREATE SPACE"

1080_P
pixel



Image: Detail of the 1080P camera on the GoolRC LS-MIN Mini Drone.

7. MAINTENANCE

Regular maintenance ensures the longevity and performance of your drone:

- **Cleaning:** Use a soft, dry cloth to clean the drone body and camera lens. Avoid using liquids or solvents.
- **Propeller Replacement:** If propellers are damaged or bent, replace them immediately using the spare propellers and screwdriver. Ensure correct 'A' and 'B' propeller placement.
- **Battery Care:** Store batteries in a cool, dry place. Do not store fully charged or completely depleted batteries for extended periods. Charge them to about 50% for long-term storage.
- **Storage:** When not in use, store the drone and its components in the provided carry bag to protect them from dust and damage.

8. TROUBLESHOOTING

If you encounter issues, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|--|---|--|
| Drone does not respond to controller. | Not paired, low battery, interference. | Re-pair drone and controller. Charge batteries. Move to an area with less interference. |
| Drone cannot take off or flies unstably. | Damaged propellers, incorrect propeller installation, uncalibrated gyroscope. | Replace damaged propellers. Ensure 'A' and 'B' propellers are in correct positions. Perform gyroscope calibration (refer to App Manual). |
| No FPV feed or poor camera quality. | Wi-Fi not connected, app not open, camera lens dirty. | Ensure smartphone is connected to drone's Wi-Fi. Open the "Mini App". Clean the camera lens. |
| Short flight time. | Battery not fully charged, old battery. | Ensure battery is fully charged. Consider replacing old batteries. |

For more detailed troubleshooting or persistent issues, please refer to the dedicated App Manual or contact GoolRC customer support.

9. SPECIFICATIONS

Key technical specifications for the GoolRC LS-MIN Mini Drone:

- **Brand:** GoolRC
- **Model Name:** LS-MIN
- **Color:** Black
- **Video Capture Resolution:** 1080p
- **Effective Still Resolution:** 1080 Pixels
- **Connectivity Technology:** USB, Wi-Fi
- **Battery Capacity:** 650 Milliamp Hours
- **Video Capture Format:** MP4
- **Control Type:** Remote Control, App Control
- **Maximum Range:** 80 Meters
- **Battery Cell Composition:** Lithium Ion
- **Supported Image Format:** JPEG
- **Video Output Resolution:** 1920x1080 pixels
- **Optical Sensor Technology:** CMOS
- **Material:** Nylon, Plastic
- **Item Dimensions (L x W x H):** 4.92" x 4.13" x 1.18"

10. VIDEO DEMONSTRATION

Watch this official video for a visual guide on the GoolRC LS-MIN Mini Drone's features and operation:

Your browser does not support the video tag.

Video: GoolRC LS-MIN Mini Drone for Kids and Adults. This video demonstrates various features including folding, one-

key take-off, real-time image transmission, track flight, gesture photo/video, and one-key auto return.

11. WARRANTY AND SUPPORT

For warranty information, product support, or to purchase replacement parts, please visit the official GoolRC store or contact their customer service directly.

GoolRC Store: Visit the GoolRC Store on Amazon