

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

[manuals.plus](#) /

› [4DRC](#) /

› [4DRC F12 GPS Drone User Manual](#)

4DRC F12

4DRC F12 GPS Drone

USER MANUAL

1. Introduction

This user manual provides essential information for the safe and effective operation of your 4DRC F12 GPS Drone. Please read this manual thoroughly before operating the drone to ensure proper usage and to prevent damage or injury. Keep this manual for future reference.

Safety Guidelines

- Always operate the drone in open, clear areas, away from people, animals, and obstacles.
- Do not fly near airports, restricted airspace, or in adverse weather conditions (strong winds, rain).
- Ensure batteries are fully charged before each flight.
- Perform pre-flight checks, including propeller inspection and calibration.
- Maintain visual line of sight with the drone at all times.
- Adhere to local regulations regarding drone operation.

2. Product Overview

The 4DRC F12 GPS Drone is a versatile quadcopter designed for both beginners and experienced users, featuring a 4K camera, GPS positioning, and various intelligent flight modes.



Figure 2.1: 4DRC F12 GPS Drone, remote control, batteries, and carrying case.

Package Contents

- 4DRC F12 GPS Drone
- Remote Control
- 2 x Lithium Ion Batteries
- Carrying Case
- USB Charging Cable
- Spare Propellers
- User Manual

Key Features

- **4K HD Camera:** Captures high-resolution photos and videos.
- **Brushless Motors:** Provides efficient and quiet flight with enhanced durability.
- **GPS & GLONASS:** Dual satellite positioning for stable flight and precise return-to-home.
- **Multiple Flight Modes:** Includes Follow Me, Waypoint Flight, Circle Flight, One Key Take Off/Landing, Headless Mode, Altitude Hold, and Gravity Control.

- **Foldable Design:** Compact and portable for easy transport.
- **Long Flight Time:** Up to 50 minutes total flight time with two included batteries.

3. Getting Started (Setup)

3.1 Charging Batteries

Before first use, fully charge both the drone battery and the remote control battery using the provided USB charging cable. The drone battery typically takes 3-4 hours to fully charge.

3.2 Propeller Installation

The drone's propellers are typically pre-installed. Ensure they are securely attached and free from damage. If replacement is necessary, match the propellers (A and B) to their corresponding motor arms as indicated on the drone.

3.3 Remote Control Setup

Insert the charged battery into the remote control. Extend the phone holder and securely mount your smartphone.

Your browser does not support the video tag.

Video 3.1: This video demonstrates the key features of the 4DRC F12 GPS Drone, including its portable storage, foldable design, one-key take-off, brushless motors, long-range image transmission, electric camera adjustment, real-time transmission, GPS positioning, dual cameras, one-key photo, waypoint flight, gesture recognition, smart following, and one-key return home.

3.4 App Download and Connection

1. Scan the QR code in the manual or search for the official 4DRC F12 app in your smartphone's app store (iOS/Android).
2. Install and open the app.
3. Turn on the drone and the remote control.
4. Connect your smartphone to the drone's Wi-Fi network (usually named '4DRC-F12-XXXX').
5. Open the app to establish connection and view the FPV feed.

3.5 Calibration

Before each flight, perform compass and gyroscope calibration as instructed by the app or remote control. This ensures stable flight and accurate GPS positioning.

4. Flight Operations

4.1 Basic Flight Controls

- **One Key Take Off/Landing:** Press the dedicated button on the remote or in the app for automatic take-off or landing.
- **Altitude Hold:** The drone maintains a stable altitude automatically, allowing for easier control.
- **Headless Mode:** In this mode, the drone's orientation is relative to the pilot, simplifying control regardless of the drone's front direction.

- One Key Take Off/Landing
- Headless Mode
- Altitude Hold
- Circle Flight

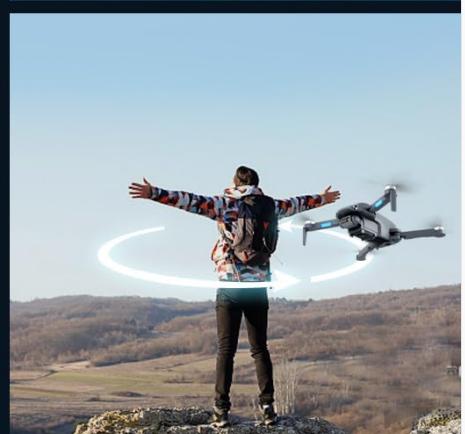


Figure 4.1: Visual representation of One Key Take Off/Landing, Headless Mode, Altitude Hold, and Circle Flight features.

4.2 Advanced Flight Modes

- **GPS Follow Me:** The drone automatically follows the remote controller or smartphone, capturing footage as you move.

Follow Me

Uav intelligent following



Figure 4.2: The drone utilizing the Follow Me intelligent flight mode.

- **Waypoint Flight:** Draw a path on the app's map, and the drone will fly along the designated route.



Trajectory Flight



3D Flips

Figure 4.3: Trajectory Flight mode, allowing the drone to follow a set path.

- **Circle Flight:** The drone will orbit a designated point or object, maintaining a set radius and altitude.
- **Gravity Control:** Control the drone's flight by tilting your smartphone, utilizing its internal gravity sensor.

Gravity Control

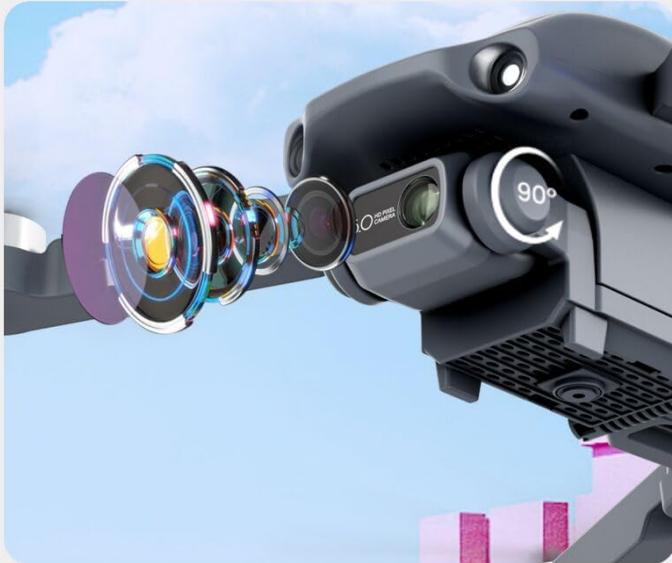
Unlock different flight experiences



Figure 4.4: Gravity Control mode for intuitive drone manipulation.

4.3 Camera Features

- **4K HD FPV Camera:** Experience real-time video transmission and capture stunning 4K resolution footage. The camera offers a 110° wide-angle view and 90° adjustable angle.



**4K HD FPV
CAMERA**

4K
camera

110°
wide-angle

90°
adjustable



Figure 4.5: Details of the 4K HD FPV Camera.

- **Gesture Control:** Perform specific hand gestures to trigger photo or video recording without needing to touch the remote or app.

VOICE CONTROL

The drone can be controlled by voice



Figure 4.6: Voice Control feature for hands-free operation.

- **One Key Photo/Video:** Easily capture photos or start/stop video recording with a single button press on the remote control.
- **FPV Sharing:** Share your captured moments directly from the app to social media platforms.

FPV Nice Moment Sharing

One click sharing via APP

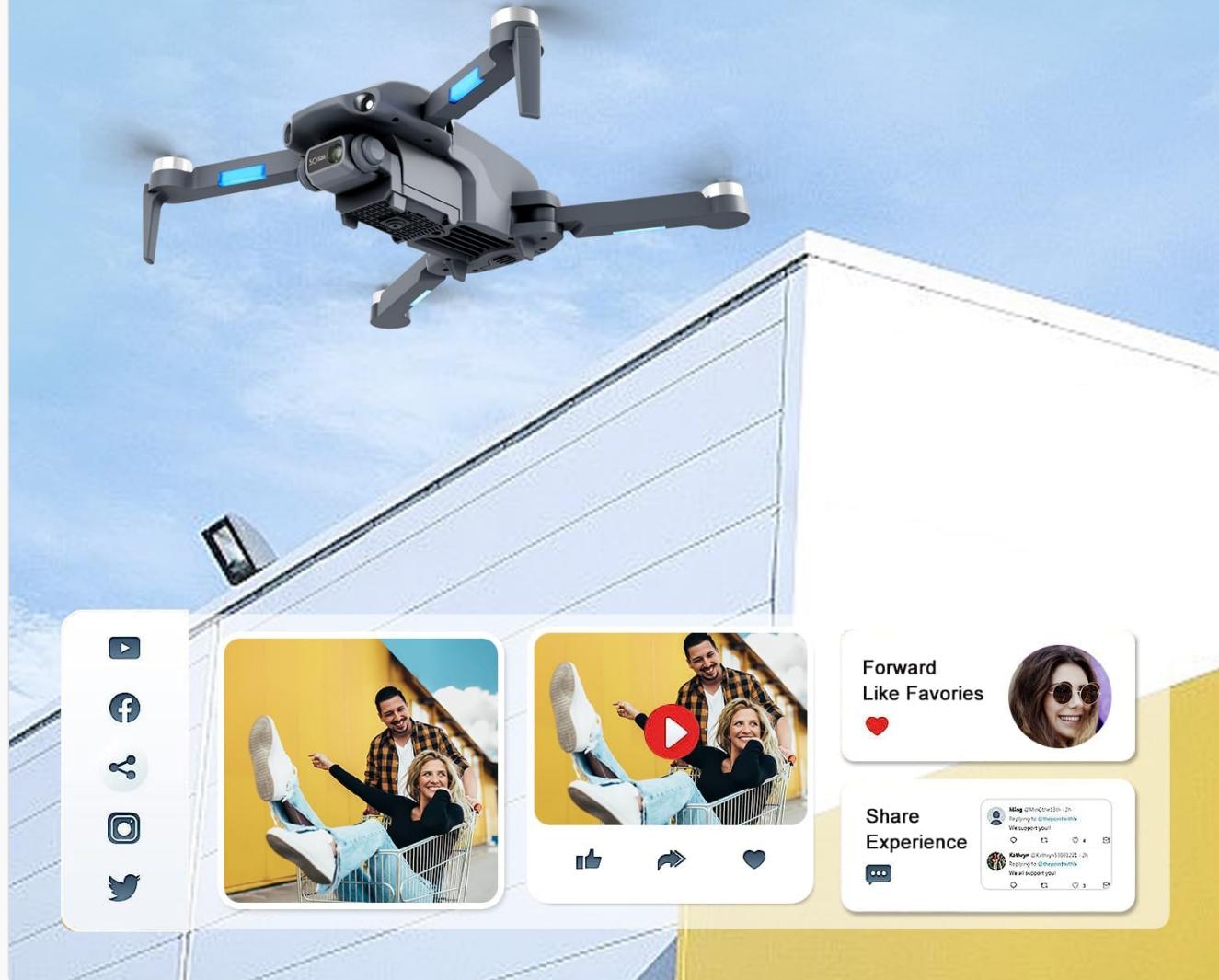


Figure 4.7: FPV Nice Moment Sharing feature.

5. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the drone and remote control after each use. Avoid using liquids or harsh chemicals.
- **Propellers:** Regularly inspect propellers for cracks, bends, or damage. Replace damaged propellers immediately.
- **Battery Care:** Store batteries in a cool, dry place. Do not overcharge or over-discharge. If storing for extended periods, charge batteries to approximately 50% capacity.
- **Storage:** Store the drone and its accessories in the provided carrying case to protect them from dust and physical damage.

6. Troubleshooting

Problem	Possible Cause	Solution
---------	----------------	----------

Problem	Possible Cause	Solution
Drone does not power on	Low battery; Incorrect battery installation	Charge drone battery; Reinstall battery correctly
No FPV feed in app	Not connected to drone Wi-Fi; App not open	Connect to drone's Wi-Fi network; Open the app
Drone drifts during flight	Improper calibration; Strong wind interference	Perform gyroscope and compass calibration; Fly in calm conditions
Remote control not responding	Low remote battery; Not paired with drone	Replace/charge remote batteries; Re-pair remote with drone
Poor image/video quality	Dirty camera lens; Insufficient lighting; SD card issue	Clean lens; Ensure adequate lighting; Check/replace SD card

For more detailed troubleshooting, refer to the in-app help section or the manufacturer's official support resources.

7. Specifications

Feature	Detail
Brand	4DRC
Model Name	F12
Video Capture Resolution	4K
Connectivity Technology	Wi-Fi
Skill Level	Beginner
Item Weight	0.071 ounces
Product Dimensions	12"L x 8"W x 12"H
Battery Cell Composition	Lithium Ion
Optical Sensor Technology	CMOS, optical flow

8. Warranty and Support

For warranty information, please refer to the documentation included with your purchase or visit the official 4DRC website. For technical support or further assistance, please contact 4DRC customer service through their official channels.



4D-F12

Suitable for ages over 14

Quadcopter operating instructions



● In order to meet the requirements of the aeronautical radio station's electromagnetic environment various of aero models and UAV are not allowed to fly within the range of 10 km on each side of center line and 20km on both ends of the airport runway and in the civil aviation routes and airways. Using various models and drones in the no-fly zone issued by the relevant state departments is prohibited.

[4URC 4D-F12 Quadcopter Operating Instructions and User Manual](#)

A comprehensive guide to operating the 4URC 4D-F12 Quadcopter, covering setup, flight controls, safety precautions, app integration, and troubleshooting.

lang:en score:37 filesize: 1.02 M page_count: 16 document date: 2023-03-11



4D-F12

Suitable for ages over 14

Quadcopter operating instructions



● In order to meet the requirements of the aeronautical radio station's electromagnetic environment various of aero models and UAV are not allowed to fly within the range of 10 km on each side of center line and 20km on both ends of the airport runway and in the civil aviation routes and airways. Using various models and drones in the no-fly zone issued by the relevant state departments is prohibited.

[\[pdf\] User Manual Instructions](#)

DownloadDrone manuals center First Quadcopter4DRC F12 drone User Manualfirstquadcopter 4drc f12 user manual wpdmdl 58360 refresh 68bc6c1bce79c1757178907 DownloadDownloadDrone

QuadcopterDrone Manual4DRC 68bc6c1bce79c1757178907firstquadcopter 68e15592a33201759597970

||| ||| arRc / / Suitable for ages over 14 Quadcopter operating instructions English order to meet the requiremenoftthe aeronautical radio station s electromagnetic environment various of aero models and UAV are not allowed to fly within the rang

arRc / / Suitable for ages over 14 Quadcopter operating instructions English order to meet the requiremenoftthe aeronautical radio station s electromagnetic environment various of aero models and UAV are not allowed to fly within the range of 10 km on each side of center line and 20km on b...

lang:en score:35 filesize: 1.02 M page_count: 16 document date: 2023-03-11



Pneumatic Actuator Products
Cylinders, Guided Cylinders and Rotary Actuators

Catalog 0900P-6

[\[pdf\] Catalog](#)

Parker Comoso 0900P Complete comoso showcase manuals

Click here to view bookmarks. Pneumatic Actuator Products Cylinders, Guided Cylinders and Rotary Act ... ic Gripper P5GP Series P5GQ Series - High Force 3-Jaw Gripper P5GW Series F3 F4-F5 F6-F7 F8-F9 F10-F12 F13-F15 F16-F18 F19-F21 F22-F24 F25-F27 F28-F29 F30-F31 F F32-F35 Slide Tables P5SS Series - Li...

lang:en score:12 filesize: 64.29 M page_count: 841 document date: 2016-07-28



ENGINEERING YOUR SUCCESS.

www.comoso.com

Pneumatic Actuator Products
Cylinders, Guided Cylinders and Rotary Actuators
Catalog 0900P-E

Parker ENGINEERING YOUR SUCCESS.

[\[pdf\] Catalog](#)

Parker Comoso 0900P E 2013 12 03 comoso showcase manuals

Click here to view bookmarks. Revised 12-03-2013 aerospace climate control electromechanical fil ... 0 80mm Bore Size 10 20 30 40 50 60 3.9 7.9 11.8 15.7 19.7 23.6 Speed, cm/sec in/sec **F12** w.coms Mass, kg lb Mass, kg lb Mass, kg lb 25mm Bore Size 80 176 60 132 40 88 2...

lang:en **score:11** filesize: 32.23 M page_count: 1026 document date: 2014-04-04

EC DECLARATION OF CONFORMITY

Applicant: SHANTOU XIAOWANGGUO TRADING CO., LTD.
Address: NANHUI VILLAGE, LIANGSHANG TOWN, CHENGHAI DISTRICT, SHANTOU CITY, CHINA, 515041, CHINA
Description: RC AIRCRAFT (RC TOY SERIES)
Item No.: SEE ATTACHMENT

This certificate applies specifically to the sample(s) investigated in our test reports of reference number: Report No.: (8822)081-0000 Date: Apr 22, 2023

Safety of toys (Directive 2009/48/EC)
Reference to the relevant harmonized standards used, or references to the specifications in relation to which conformity is declared:

Directive number:	Directive name:
2009/48/EC	Directive of the European Parliament and of the council on the safety of toys

Standard(s):	Issue date:	Title:
EN71-1: 2014/2015	2026	Physical and Mechanical Properties
EN71-2: 2026		Flammability
EN71-3: 2019/41/2021		Migration of certain elements

Additional information: Regulation (EC)No 1907/2006 concerning the Registration, Evaluation,Authorisation and Restriction of Chemicals (REACH).

Standard:	Issue date:	REACH DIRECTIVE 1907/2006 ANNEX XVII 51&52
REACH:	1907/2006	PHthalates

The CE markings as shown above can be affixed on the product after preparation of necessary conformity documentation, as stipulated in Article 19 of the Council Directive 2009/48/EC.




[\[pdf\] Specifications Declaration of Conformity Test Report](#)

HKSTC Preferred User Bekijk de CE markering 4DRC 72 cm Lange Afstand Helikopter Ultieme

Luchtsensatie RC Helicopter kerst bol original media s Yn2q0rRGRQx9 |||

EC DECLARATION OF CONFORMITY Applicant: Address: Description: Item No. SHANTOU XIAOWANGGUO TRADING ... D-M16,4D-M17,4D-M18,4D-M19,4D-M20,4D-F1,4D-F2, 4D-F4, 4D-F5, 4D-F6, 4D-F7, 4D-F8, 4D-F9, 4D-F11, 4D-F12, 4D-F13, 4D-F14, 4D-F15, 4D-F16, 4D-F17, 4D-F18, 4D-F19, 4D-F20, 4D-F21, 4D-F22, 4D-F23, 4D-F24,...

lang:en **score:10** filesize: 203.15 K page_count: 2 document date: 2023-04-28