

[Manuals.plus](#) /

› [Cheerwing](#) /

› Cheerwing U12 Remote Control Helicopter User Manual

Cheerwing U12

Cheerwing U12 Remote Control Helicopter User Manual

Model: **U12** | Brand: **Cheerwing**

Your guide to setting up, operating, and maintaining your Cheerwing U12 Remote Control Helicopter.



1. INTRODUCTION

Thank you for choosing the Cheerwing U12 Remote Control Helicopter. This mini RC helicopter is designed for both adults and kids, featuring easy-to-use controls and stable flight characteristics. Please read this manual thoroughly before operating your helicopter to ensure safe and optimal performance.

What's in the Box:

- U12 Mini Helicopter
- Controller
- USB Charger
- Spare Blades Set
- Instruction Manual (this document)



Figure 1: Contents of the Cheerwing U12 package, including the blue helicopter, remote controller, and two rechargeable batteries.

2. SETUP

2.1 Controller Battery Installation

The remote controller requires 4 AA batteries (not included). To install:

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

2.2 Helicopter Battery Charging

The helicopter is powered by a rechargeable Li-ion battery. Use the provided USB charger to charge the helicopter battery.

1. Connect the USB charger to a USB power source (e.g., computer USB port, USB wall adapter).
2. Connect the helicopter battery to the USB charger.
3. The indicator light on the USB charger will show charging status (refer to charger instructions for specific light indications).
4. Charging typically takes approximately 60 minutes. Do not overcharge.

2.3 Pairing the Helicopter and Controller

Before first flight, the helicopter and controller must be paired:

1. Ensure both the helicopter and controller are fully charged.
2. Turn on the helicopter's power switch. The helicopter's lights will flash.
3. Turn on the controller's power switch.
4. Move the left joystick (throttle) all the way up, then all the way down.
5. The helicopter's lights will become solid, indicating successful pairing.

Your browser does not support the video tag.

Video 1: Official Cheerwing U12 Remote Control Helicopter demonstration, showing setup, key features, and flight capabilities. This video provides a visual guide to the product's operation.

3. OPERATING INSTRUCTIONS

3.1 Key Features

- **Altitude Hold Function:** The helicopter can maintain a certain height automatically when your hands are off the controller, providing stable hovering.
- **One Key Take Off/Landing:** Equipped with Gyroscope technology, a single button press initiates automatic take-off or landing, simplifying operation for beginners.
- **High/Low Speed Modes:** Two speed modes allow pilots of different skill levels to enjoy flying. The 2.4Ghz remote control system prevents signal interference, enabling multiple helicopters to fly simultaneously.

3.2 Basic Flight Controls

Familiarize yourself with the controller's joysticks and buttons:

- **Left Joystick (Throttle):** Push up to increase altitude, pull down to decrease altitude.
- **Right Joystick (Direction):** Move forward/backward to control pitch, left/right to control roll (side-to-side movement).
- **Trim Buttons:** Use the trim buttons to fine-tune the helicopter's stability if it drifts in any direction during hover.

RC HELICOPTER FOR KIDS & ADULTS

2.4



- ① 2.4Ghz Remote Control
- ② Altitude Hold Function
- ③ One Key Take-Off / Landing / Emergency
- ④ Stop/ High / Low Speed Mode



Figure 2: Overview of the Cheerwing U12's main features, highlighting its suitability for various users and advanced functionalities.

Easy Fly



**ONE KEY TAKE
OFF/LANDING**



**LOW BATTERY
PROTECTION**

Figure 3: The "Easy Fly" feature, demonstrating the convenience of One Key Take Off/Landing and the integrated Low Battery Protection.



Altitude Hold

ONE KEY TAKE OFF/LANDING

Figure 4: The Altitude Hold feature in action, allowing the helicopter to maintain a stable height after a One Key Take Off.



Figure 5: The 2 Speed Mode feature, enabling different flight speeds for varying skill levels and indoor environments.

4. MAINTENANCE

The Cheerwing U12 helicopter is designed to be durable and anti-collision, featuring a metal frame and flexible blades to withstand impacts. Regular maintenance will prolong its lifespan.

- **Cleaning:** Gently wipe the helicopter with a dry, soft cloth after use to remove dust and debris. Do not use water or chemical cleaners.
- **Blade Inspection:** Regularly check the main and tail rotor blades for any damage (cracks, bends). Replace damaged blades using the provided spare parts and screwdriver tool.
- **Storage:** Store the helicopter and controller in a cool, dry place away from direct sunlight and extreme temperatures. Remove batteries from the controller if storing for extended periods.



Figure 6: Detailed view of the helicopter's durable construction, including its metal frame, flexible blades, and alloy balance bar, designed to withstand impacts.

5. TROUBLESHOOTING

Problem	Possible Cause	Solution
Helicopter does not respond to controller.	Not paired, low battery (helicopter or controller), out of range.	Re-pair the helicopter and controller. Charge helicopter battery. Replace controller batteries. Ensure you are within operating range.
Helicopter flies erratically or drifts.	Uncalibrated gyroscope, damaged blades, strong air currents.	Perform gyroscope calibration (refer to controller instructions). Check and replace damaged blades. Fly in calm indoor environments.
Short flight time.	Battery not fully charged, aging battery.	Ensure battery is fully charged before each flight. Consider replacing the battery if performance significantly degrades over time.
Low battery alert.	Helicopter battery is low.	Land the helicopter immediately and recharge the battery.



Figure 7: Visual representation of the low-battery alert, indicating when the helicopter needs to be recharged.

6. SPECIFICATIONS

Feature	Detail
Product Dimensions	10.63 x 1.77 x 4.72 inches
Item Weight	14.9 ounces
Country of Origin	China
Item Model Number	U12
Manufacturer Recommended Age	14 years and up
Manufacturer	Udirc

7. WARRANTY AND SUPPORT

For any questions, technical support, or warranty inquiries regarding your Cheerwing U12 Remote Control Helicopter, please contact Cheerwing customer service. Refer to the product packaging or the official Cheerwing website for contact information.

We are committed to providing high-quality products and excellent customer service.



© 2025 Cheerwing. All rights reserved.
This manual is for informational purposes only. Specifications are subject to change without notice.