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Corby CRBD04

Corby Drones CX030 Skywalk Smart Drone User Manual

Model: CRBD04

1. INTRODUCTION

Thank you for choosing the Corby Drones CX030 Skywalk Smart Drone. This manual provides essential information for the safe operation, setup, and maintenance of your drone. Please read it thoroughly before your first flight to ensure proper use and to maximize your flying experience.

Sınırlarının Ötesine Geç!



Image 1: Corby CX030 Skywalk Smart Drone in flight, showcasing its design and capabilities.

2. PACKAGE CONTENTS

Carefully unpack your Corby CX030 Skywalk Smart Drone and verify that all items listed below are included. If any items are missing or damaged, please contact customer support.

- 1 x Corby CX030 Drone
- 1 x Remote Controller
- 1 x 1200 mAh 3.7V Drone Battery
- 1 x Charging Cable
- 1 x Carrying Case
- 2 x 'A' Propellers
- 2 x 'B' Propellers
- 4 x Propeller Guards
- 1 x Screwdriver
- 1 x User Manual (this document)



1 adet CX030 Drone, 1 adet Kumanda, 1 adet 1200 mAh Batarya,
1 adet Şarj Kablosu, 2 adet A Kanat, 2 adet B Kanat,
4 adet Pervane Koruyucu, 1 adet Tornavida,
Kullanım Kılavuzu, Pratik Bilgiler Kılavuzu.

Image 2: All components included in the Corby CX030 Skywalk Smart Drone package.

3. PRODUCT OVERVIEW AND FEATURES

The Corby CX030 Skywalk is a foldable smart drone equipped with a 720p movable camera, designed for ease of use and portability.

Key Features:

- BLDC Brushless Motor for stable flight
- 90° Movable Camera for flexible shooting angles
- 720p Video Recording and 2MP Photo Capture
- Wi-Fi Wireless Connection for real-time image transmission to your smartphone
- Automatic Take-off and Landing for simplified control
- Altitude Hold for stable hovering
- Headless Mode for easier orientation control
- Automatic 360° Flip function
- Anti-collision IR Sensor for enhanced safety
- Foldable design for easy portability
- Low Battery Warning



Image 3: Visual representation of the Corby CX030 drone's main features, including altitude hold, movable camera, Wi-Fi connectivity, automatic take-off/landing, 1200 mAh battery, smartphone compatibility, and foldable design.



**Özel Çantası ile
Kolay Taşınabilir**



Image 4: The Corby CX030 drone in its folded state, alongside its dedicated carrying case, highlighting its portability.

4. SETUP

4.1. Drone Battery Installation and Charging

1. Ensure the drone is powered off.
2. Locate the battery compartment on the drone.
3. Insert the 1200 mAh 3.7V battery into the compartment, ensuring it clicks into place securely.
4. To charge, remove the battery from the drone. Connect the charging cable to the battery and a suitable USB power source (e.g., computer USB port, USB wall adapter).
5. The charging indicator light will show the charging status. Charging time is approximately 2 hours.

6. Once fully charged, disconnect the battery from the charging cable.

4.2. Remote Controller Battery Installation

1. Open the battery cover on the back of the remote controller.
2. Insert 3 x AA 1.5V batteries, ensuring correct polarity (+/-).
3. Close the battery cover securely.

4.3. Propeller and Propeller Guard Installation

1. Identify 'A' and 'B' propellers. Match them to the corresponding motor arms on the drone (usually marked 'A' and 'B').
2. Gently push the propellers onto the motor shafts until they are secure.
3. Attach the propeller guards to the drone's arms by snapping them into place. This provides protection during flight.

5. OPERATING INSTRUCTIONS

5.1. Pairing the Drone and Remote Controller

1. Place the drone on a flat, level surface.
2. Power on the drone. The drone's indicator lights will flash.
3. Power on the remote controller.
4. Push the left joystick (throttle) all the way up, then all the way down. The drone's lights will stop flashing and become solid, indicating successful pairing.

5.2. Take-off and Landing

- **Automatic Take-off:** After pairing, press the one-key take-off button on the remote controller. 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.
- **Automatic Landing:** Press the one-key landing button. The drone will slowly descend and land.
- **Emergency Landing:** In an emergency, press the emergency landing button to quickly stop the motors and land the drone.

5.3. Flight Controls

- **Left Joystick (Throttle):** Up/Down for altitude, Left/Right for rotation (yaw).
- **Right Joystick (Direction):** Up/Down for forward/backward flight, Left/Right for left/right sideward flight.
- **Speed Adjustment:** Use the speed button on the remote to cycle through different flight speeds (low, medium, high).
- **Headless Mode:** Press the headless mode button. In this mode, the drone's orientation is relative to the pilot, making it easier to control regardless of which way the drone is facing.
- **360° Flip:** While flying, press the 360° flip button and then move the right joystick in the desired direction to perform an automatic flip.
- **Return Mode:** Press the return mode button. The drone will attempt to fly back towards the take-off point. Note: This is not a GPS-based return and its accuracy may vary.

5.4. Camera Operation and Wi-Fi Connectivity

1. Download the dedicated drone app on your smartphone (refer to the app name in the quick start guide or packaging).
2. Power on the drone.
3. On your smartphone, go to Wi-Fi settings and connect to the drone's Wi-Fi network (usually named 'Corby_CX030' or similar).
4. Open the drone app. You should see a live feed from the drone's 720p camera.
5. Use the app interface to record 720p videos or capture 2MP photos.
6. The camera can be manually adjusted 90° for different shooting angles.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the drone and remote controller. Do not use solvents or harsh chemicals.
- **Propellers:** Regularly check propellers for damage (cracks, bends). Replace damaged propellers immediately using the provided screwdriver.
- **Battery Care:** Store batteries in a cool, dry place. Do not overcharge or over-discharge. If not used for extended periods, charge the battery to about 50% before storage.
- **Storage:** When not in use, store the drone in its carrying case in a cool, dry environment, away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

- **Drone not responding:** Ensure both drone and remote controller are powered on and successfully paired. Check remote controller batteries.
- **Drone drifts during flight:** Perform a gyroscope calibration. (Refer to quick start guide for specific button combination, usually holding a trim button or moving joysticks in a specific pattern).
- **Poor image transmission:** Ensure your smartphone is connected to the drone's Wi-Fi network. Reduce distance between drone and phone. Avoid areas with strong Wi-Fi interference.
- **Short flight time:** Ensure the drone battery is fully charged. Flight time can be affected by aggressive flying, wind conditions, and battery age.
- **Motors not spinning:** Check if propellers are obstructed. Ensure the drone is paired and motors are unlocked (push both joysticks down and outwards).

8. SPECIFICATIONS

- **Model:** CRBD04
- **Motor Type:** BLDC Brushless Motor
- **Drone Battery:** 1200 mAh 3.7V
- **Controller Battery:** 3 x AA 1.5V (not included)
- **Flight Time:** 10-13 minutes
- **Charging Time:** Approximately 2 hours
- **Camera:** 720p Video, 2MP Photo, 90° Movable
- **Control Range:** 50-70 meters
- **Image Transmission Distance (to phone):** 30-50 meters
- **Product Dimensions (unfolded):** 243 x 297 x 61 mm

- **Product Weight:** 164g

9. WARRANTY AND SUPPORT

The warranty period for this Corby Drones CX030 Skywalk Smart Drone is **2 years** from the date of purchase. This warranty is valid only in Turkey.

The product complies with WEEE (Waste Electrical and Electronic Equipment) regulations.

For technical support, warranty claims, or further assistance, please refer to the contact information provided on your purchase receipt or the official Corby Drones website.