DJI CP.PT.00000210.01

DJI Tello Drone User Manual

Model: CP.PT.00000210.01 | Brand: DJI

1. Introduction

The DJI Tello is a compact and lightweight drone designed for both beginners and enthusiasts. It features a 720P camera capable of capturing photos and videos, and offers intelligent flight modes like EZ Shots for cinematic results. With a flight time of up to 13 minutes, the Tello provides an engaging and educational flying experience, including programmable flight patterns using Scratch.

Figure 1: DJI Tello Drone

2. What's in the Box

Upon unboxing your DJI Tello Drone, verify that all components are present:

- Aircraft (1)

- Propellers (4 pairs)
- Propeller Guards (1 set)
- Battery (1)
- Micro USB Cable (1)
- Propeller Removal Tool (1)

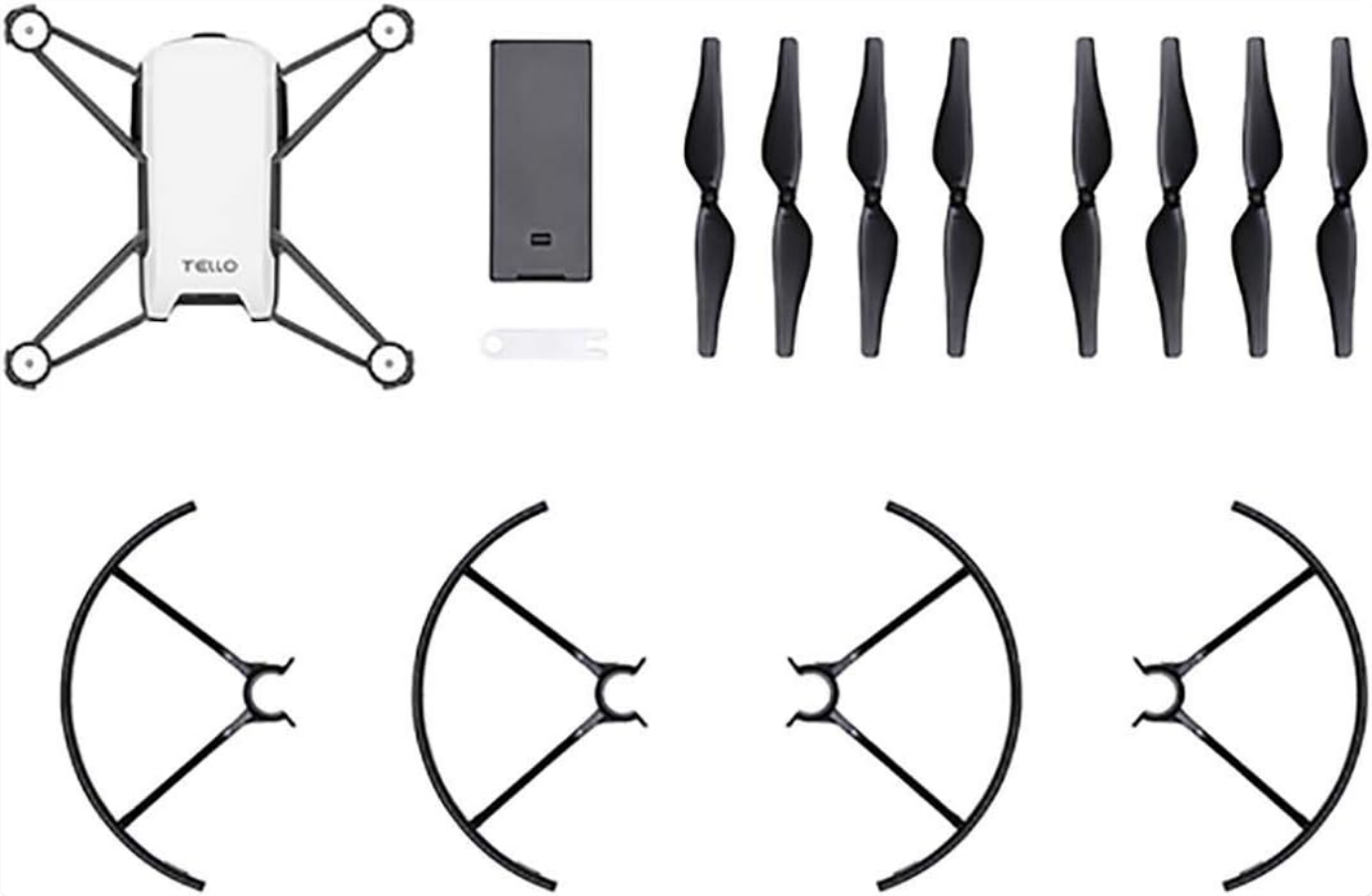

Figure 2: Package Contents

3. Setup

3.1 Charging the Battery

Insert the flight battery into the aircraft. Connect the Micro USB Cable to the drone's Micro USB Port and then to a USB adapter (not provided) or a computer. The battery indicator will show charging status. Ensure the battery is fully charged before the first flight.

3.2 App Download and Connection

Search for 'Tello' in your mobile device's app store (iOS 9.0 or higher, Android 4.4.0 or higher). Download and install the official Tello app. Power on the Tello drone. On your mobile device, connect to the Tello Wi-Fi network. Once connected, open the Tello app to establish a connection with the drone.

3.3 Optional Remote Controller

While the Tello can be controlled directly via the Tello app, a Bluetooth remote controller (purchased separately) can be connected via the Tello app for enhanced control. Refer to the remote controller's manual for pairing instructions.

4. Operation

4.1 Taking Off and Landing

Within the Tello app, use the on-screen controls for one-tap take-off and landing. Ensure the drone is placed on a flat, stable surface before initiating take-off.

4.2 Flight Controls and Modes

The Tello drone is controlled exclusively via the mobile app. It utilizes an optical sensor for stable hovering and precise positioning, particularly in well-lit indoor environments. The drone offers various flight modes and speeds, allowing for different levels of agility. The maximum flight range is approximately 100 meters, and it is recommended to keep the drone within visual line of sight.

Figure 3: Tello Drone in use

4.3 Stunts and EZ Shots

Perform impressive aerial maneuvers with ease. The Tello supports 8D flips, allowing you to execute various somersaults by swiping your finger on the screen. Utilize EZ Shots modes (Circle, 360, Up & Away) to automatically record short, professional-looking videos with smooth camera movements.

4.4 Camera Functionality

The integrated 720P camera captures clear photos (5 MP effective still resolution) and videos. Note that the camera is fixed and does not feature a gimbal for stabilization. Video output resolution is 1280x720 pixels. Captured media can be stored on a Micro SD card (not included).

5. Maintenance

5.1 Propeller Guards

The Tello comes with propeller guards for added protection, especially during indoor flights or for beginners. These guards can be easily snapped on and off. Removing them may slightly increase the drone's speed and agility, but also increases the risk of propeller damage.

5.2 Battery Care

To prolong battery life, avoid overcharging or completely draining the battery. Store batteries in a cool, dry place. If using multiple batteries, allow them to cool down before recharging.

6. Safety Guidelines

- **Avoid Water:** Do not fly the Tello drone over water bodies (e.g., swimming pools, lakes) as it is not waterproof and may crash.
- **Wind Conditions:** The Tello performs best in calm conditions. Avoid flying in strong winds, especially outdoors, as it can affect stability and control.
- **Flight Environment:** While suitable for indoor use, ensure sufficient space to avoid collisions. For outdoor flights, choose open areas free from obstacles, people, and animals.
- **Line of Sight:** Always maintain visual line of sight with your drone during flight.
- **Respect Privacy:** Be mindful of privacy laws and personal space when operating the drone, especially when using the camera.

7. Specifications

Feature	Detail
Brand	DJI
Model Name	Tello By Ryze Tech
Model Number	CP.PT.00000210.01
Item Weight	0.14 Kilograms (4.8 ounces)
Product Dimensions	7.8"L x 1.89"W x 9.06"H
Video Capture Resolution	720p (1280x720 pixels)
Effective Still Resolution	5 MP
Max Flight Time	13 Minutes
Max Range	100 Meters
Control Type	Mobile App (via Wi-Fi)
Optical Sensor Technology	CMOS, CCD
Battery Type	Lithium Polymer
Recommended Age	8 years and up

8. Troubleshooting

- **Connection Issues:** Ensure your mobile device's Wi-Fi is connected to the Tello network. Restart both the drone and the app if connection problems persist.
- **Flight Instability:** Ensure propellers are correctly installed and undamaged. Calibrate the drone as per app instructions if flight is unstable.

- **Firmware Updates:** Regularly check the Tello app for available firmware updates. Keeping the firmware updated can resolve performance issues and add new features. Follow in-app instructions carefully for updates.
- **Limited Range:** The drone's range is dependent on your mobile device's Wi-Fi signal strength. Ensure minimal interference and maintain line of sight.

9. Warranty and Support

For warranty information, please refer to the documentation included with your purchase or visit the official DJI website. For technical support, troubleshooting assistance, or spare parts, please contact DJI customer service directly through their official support channels.

You can visit the official DJI Store for more information:DJI Store on Amazon

© 2024 DJI. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question