

## TOMZON D40

# Tomzon D40 Drone User Manual

Model: D40 | Brand: TOMZON

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Tomzon D40 Drone. Please read it thoroughly before first use and retain it for future reference.



Figure 1.1: Tomzon D40 Drone, remote control, and carrying case.

## 2. PRODUCT FEATURES

- **4K UHD Camera with EIS:** Equipped with a UHD 4K camera and Electronic Image Stabilization (EIS) for

precise and smooth footage. Features 5GHz FPV transmission and a 135° adjustable lens.



Figure 2.1: The drone features a 4K UHD camera with Electronic Image Stabilization (EIS) for enhanced video quality.

- **GPS & GLONASS Navigation Satellite System:** Dual navigation modules ensure stable hovering and reduce the risk of loss. Includes Return to Home (RTH) function for signal loss or low power.

# OPTICAL FLOW POSITIONING

Hover stably by combining air pressure and optical flow system



Figure 2.2: GPS Auto Return Home feature ensures the drone returns safely when signal is lost or battery is low.

- **Intelligent & Fun Flight Modes:** Features Follow Me, Waypoints, and Circle Fly for automated and customized flight paths, simplifying aerial photography.

## AWESOME ACCESSORIES



Figure 2.3: Intelligent flight modes like Follow Me, Waypoint Flight, and Orbit Flight enhance user experience.

- **Easy to Use:** Optical flow and intelligent air pressure system for stable altitude holding, making it beginner-friendly.

# INTELLIGENT FLIGHT



Figure 2.4: Optical Flow Positioning allows the drone to hover stably.

- **Long Flight Time:** Brushless motors provide longer performance and less noise. Modular battery design offers up to 27 minutes of flight time per charge.

# APP ONE KEY TO SHARE

One-Key to share your wonderful moments with your social application friends



Figure 2.5: The drone features a powerful brushless motor and a modular battery for extended flight time.

## 3. WHAT'S IN THE BOX

- Tomzon D40 Drone
- Remote Control
- Carrying Case
- Battery (2 included)
- USB Charging Cable
- Spare Propellers
- Screwdriver

## 4. SETUP GUIDE

### 4.1 Charging the Battery

Before first use, fully charge the drone battery and the remote control. Connect the USB charging cable to the battery and a suitable USB power adapter (not included). The indicator lights will show charging status.

## 4.2 Propeller Installation

Ensure propellers are correctly installed according to the markings (A and B) on the propellers and motor arms. Incorrect installation will prevent proper flight.

## 4.3 App Installation and Connection

Download the official Tomzon drone app from your device's app store. Power on the drone and connect your smartphone to the drone's Wi-Fi network. Open the app to establish connection and view the FPV feed.



Figure 4.1: The drone app allows for easy control and one-key sharing of media.

## 5. OPERATING INSTRUCTIONS

### 5.1 Pre-Flight Checklist

- Ensure batteries are fully charged.
- Check propellers for damage and correct installation.
- Verify stable GPS signal (if flying outdoors).
- Confirm successful connection between drone, remote, and app.

## 5.2 Calibration

Perform compass calibration before each flight, especially when flying in a new location. Follow the instructions in the app or the included manual for precise calibration steps.

## 5.3 Take-off and Landing

Use the one-key take-off/landing button on the remote or app for automated ascent and descent. For manual control, slowly push the throttle stick upwards to take off and downwards to land.

## 5.4 Flight Controls

Familiarize yourself with the remote control sticks and buttons. The left stick typically controls altitude and yaw (rotation), while the right stick controls forward/backward and left/right movement.

## 6. MAINTENANCE

- **Cleaning:** Regularly clean the drone body and camera lens with a soft, dry cloth. Avoid using harsh chemicals.
- **Propeller Replacement:** If propellers are damaged, replace them immediately using the provided spare parts and screwdriver. Ensure correct A/B matching.
- **Battery Care:** Store batteries in a cool, dry place. Do not overcharge or over-discharge. If not used for extended periods, charge them to about 50% capacity.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Drone does not take off or flies erratically.	Improper calibration; damaged propellers; low battery.	Perform compass calibration; replace damaged propellers; fully charge batteries.
Video feed is choppy or disconnects.	Weak Wi-Fi signal; too far from controller.	Ensure strong Wi-Fi connection; fly within recommended range (approx. 100m).
Drone flies away when Return to Home is activated.	Not connected to satellite (GPS).	Ensure strong GPS signal before activating RTH. If it flies away, hit the RTH button again to regain manual control.
One motor not spinning.	Motor malfunction or debris.	Check for debris obstructing the motor. If issue persists, contact customer support.

## 8. SPECIFICATIONS

Feature	Detail
Brand	TOMZON
Model Name	D40



Feature	Detail
Video Capture Resolution	4K
Connectivity Technology	Wi-Fi
Flight Time	Up to 27 minutes
Motor Type	Brushless Motor
Navigation System	GPS & GLONASS
Weight	265 Grams (9.3 ounces)
Dimensions	3.15 x 1.18 x 3.15 inches (folded)
Recommended Age	14 years and up

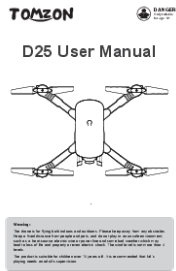
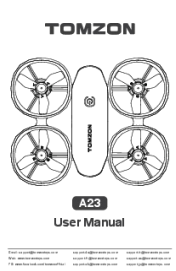
## 9. WARRANTY AND SUPPORT

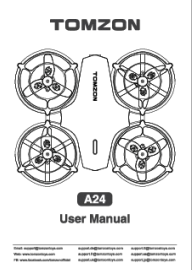

For warranty information, technical support, or service inquiries, please refer to the contact details provided on the product packaging or the official TOMZON website. Keep your purchase receipt as proof of purchase for warranty claims.

**Online Support:** Visit the official TOMZON website for FAQs, video tutorials, and customer service contact information.

© 2023 TOMZON. All rights reserved.

## Related Documents

 <p><b>TOMZON</b> D25 User Manual</p>	<p><a href="#">TOMZON D25 Drone User Manual: Setup, Flying, and Troubleshooting</a></p> <p>Comprehensive user manual for the TOMZON D25 drone. Learn about setup, flight controls, safety guidelines, troubleshooting common issues, and app integration for beginners and enthusiasts.</p>
 <p><b>TOMZON</b> A23 User Manual</p>	<p><a href="#">Tomzon A23 Mini Drone User Manual</a></p> <p>User manual for the Tomzon A23 Mini Drone, providing instructions on setup, operation, safety, and specifications. Learn how to fly, calibrate, and utilize various flight modes.</p>

	<p><a href="#">TOMZON A24 Drone User Manual</a></p> <p>This user manual provides comprehensive instructions for operating the TOMZON A24 drone, including setup, flight controls, safety precautions, and special modes like Battle Mode and Throw Mode.</p>
	<p><a href="#">Tomzon A23-W Drone User Manual</a></p> <p>Comprehensive user manual for the Tomzon A23-W drone, covering pack list, safety reminders, product description, remote control operation, app usage, flight modes, and specifications.</p>