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Dwi Dowellin D10 BLUE NEW

Dwi Dowellin Mini Drone Instruction Manual

Model: D10 BLUE NEW

Brand: Dwi Dowellin

1. IMPORTANT SAFETY INFORMATION

Please read this manual thoroughly before operating the Dwi Dowellin Mini Drone. Failure to follow instructions may result in damage to the drone, property, or personal injury. Keep this manual for future reference.

- **Age Recommendation:** This drone is recommended for users aged 14 years and up. Adult supervision is advised for younger users.
- **Flight Environment:** Operate the drone in open, clear areas, free from obstacles, people, and animals. Avoid flying near water, power lines, or in strong winds.
- **Propeller Safety:** Keep hands, face, and loose clothing away from rotating propellers. The propeller guards are designed for protection, but caution is still necessary.
- **Battery Safety:** Use only the provided charging cable and batteries. Do not overcharge or short-circuit batteries. Discontinue use if batteries show signs of damage or swelling.
- **Interference:** Avoid operating the drone near other radio-controlled devices to prevent signal interference.

2. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1 x Dwi Dowellin Mini Drone (Model D10 BLUE NEW)
- 1 x Remote Control
- 2 x Drone Batteries (Lithium Polymer, 850mAh)
- 1 x USB Charging Cable
- 4 x Spare Propellers
- 1 x Screwdriver
- 1 x User Manual (this document)

3. PRODUCT OVERVIEW

Familiarize yourself with the drone and its components.



Figure 3.1: Dwi Dowellin Mini Drone, Remote Control, and Batteries



Figure 3.2: Drone Components and Accessories

Drone Features:

- **LED Blinking Lights:** Controllable lights for visibility and visual effects.
- **Propeller Guards:** All-round sturdy guards protect propellers and motors, and enhance safety.
- **Compact Design:** Lightweight and portable for easy storage and transport.

Remote Control Features:

- **Left Stick:** Throttle (up/down) and Yaw (left/right rotation).
- **Right Stick:** Forward/Backward, Left/Right sideward flight.
- **One Key Take Off/Landing Button:** Initiates automatic take-off or landing.
- **Speed Adjustment Button:** Cycles through Low, Mid, and High speed modes.
- **3D Flip Button:** Activates the 3D flip function.
- **One Key Spin Button:** Activates the one-key spin function.
- **Headless Mode Button:** Engages headless flight mode.
- **Trim Buttons:** For fine-tuning flight stability.

4. SETUP

4.1 Charging the Drone Battery

1. Connect the drone battery to the provided USB charging cable.
2. Plug the USB cable into a USB power adapter (e.g., computer USB port, USB wall charger).
3. The charging indicator light on the USB cable will illuminate during charging and turn off when fully charged.
4. Charging time is approximately 80-100 minutes per battery.

Note: Always use the original charging cable. Do not leave batteries unattended while charging.

4.2 Installing Batteries

4.2.1 Drone Battery Installation

1. Ensure the drone is powered off.
2. Locate the battery compartment on the underside of the drone.
3. Carefully insert a fully charged drone battery into the compartment.
4. Close the battery compartment cover securely.

4.2.2 Remote Control Battery Installation

1. Open the battery cover on the back of the remote control using the provided screwdriver.
2. Insert 3 x AAA batteries (not included) into the battery compartment, observing the correct polarity (+/-).
3. Replace the battery cover and secure it with the screw.

4.3 Pairing the Drone and Remote

1. Place the drone on a flat, level surface.
2. Press the power button on the drone to turn it on. The drone's LED lights will flash.
3. Turn on the remote control. The remote's indicator light will flash.
4. Push the left joystick (throttle) all the way up, then pull it all the way down.
5. The drone's LED lights and the remote's indicator light will stop flashing and become solid, indicating successful pairing.

5. OPERATING INSTRUCTIONS

5.1 Basic Flight Controls

- **Take Off:** After pairing, press the One Key Take Off/Landing button. The drone will automatically ascend and hover at a stable altitude. Alternatively, push the left joystick (throttle) up slowly.
- **Landing:** Press the One Key Take Off/Landing button again. The drone will automatically descend and land. Alternatively, pull the left joystick (throttle) down slowly until the drone lands.

One Key Take Off & Landing



Figure 5.1: One Key Take Off & Landing

- **Ascend/Descend:** Push the left joystick up to ascend, pull down to descend.
- **Forward/Backward:** Push the right joystick up to fly forward, pull down to fly backward.
- **Turn Left/Right (Yaw):** Push the left joystick left to rotate left, push right to rotate right.
- **Sideward Flight:** Push the right joystick left to fly left, push right to fly right.

5.2 Speed Adjustment

The drone has 3 speed modes: Low, Mid, and High. Press the Speed Adjustment button on the remote to cycle through the speeds. The drone's response will change accordingly.



Figure 5.2: Speed Adjustment

5.3 Special Flight Functions

5.3.1 3D Flips

To perform a 3D flip:

1. Fly the drone to a height of at least 2 meters (6.5 feet).
2. Press the 3D Flip button on the remote control.
3. Immediately push the right joystick in any desired direction (forward, backward, left, or right). The drone will perform a 360-degree flip in that direction.



Figure 5.3: 3D Flips & Rolling

5.3.2 One Key Spin

To activate the one-key spin:

1. Ensure the drone is hovering stably.
2. Press the One Key Spin button on the remote control. The drone will begin to spin horizontally.
3. Press the button again to stop the spin.

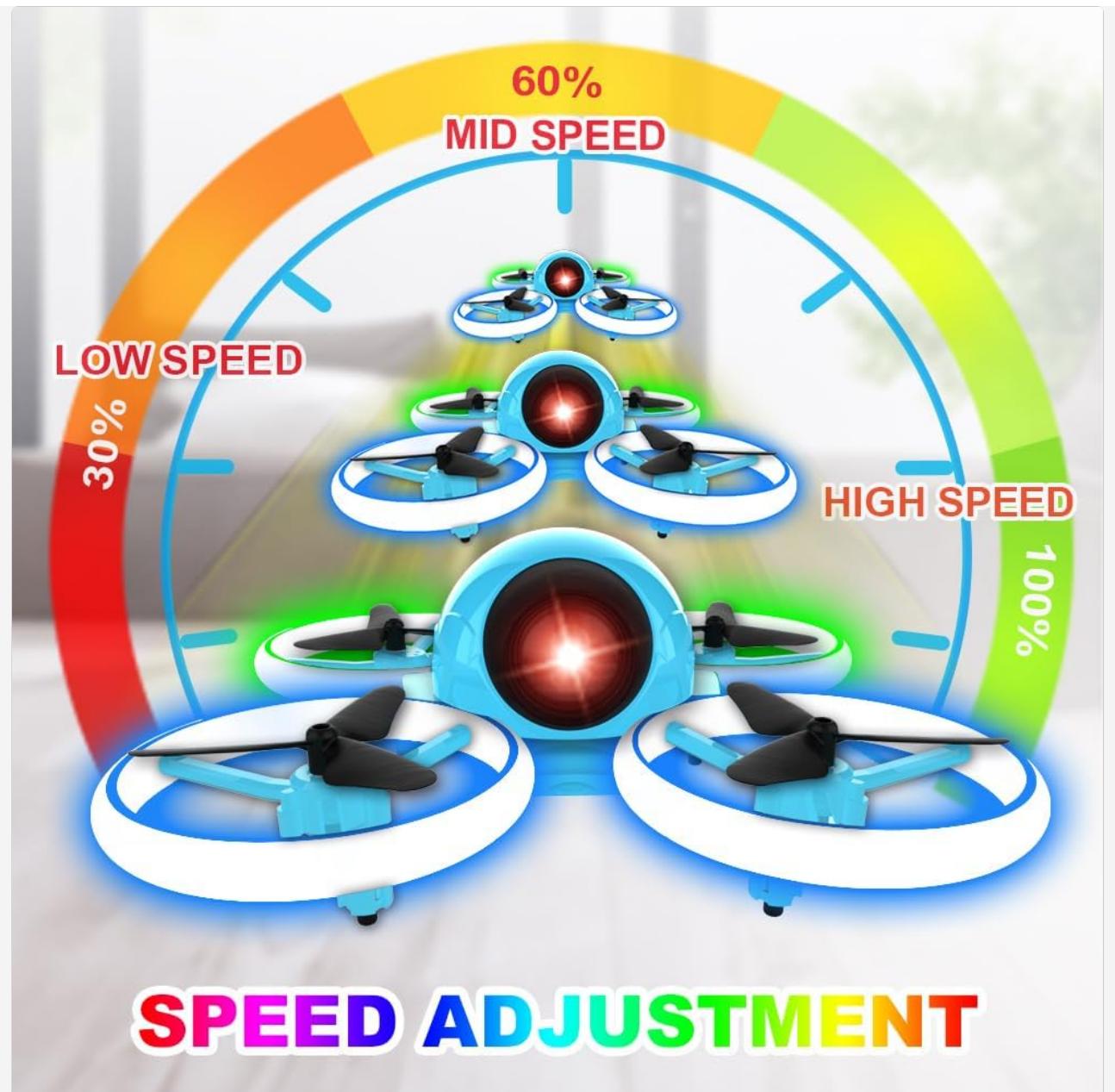


Figure 5.4: One Key Spin

5.3.3 Headless Mode

Headless Mode simplifies flight by eliminating the need to orient the drone. In this mode, the drone's forward direction is always relative to the pilot's position when headless mode was activated.

1. Before taking off, ensure the drone is facing forward relative to your position.
2. Press the Headless Mode button on the remote. The drone's lights will flash rapidly to indicate it's in headless mode.
3. To exit headless mode, press the Headless Mode button again. The lights will return to normal.

5.3.4 Controllable LED Lights

The drone features controllable LED blinking lights. These can be turned on or off for different flight experiences, especially useful for low-light conditions or for visual effects.



Figure 5.5: Luminous Mode with LED Lights

6. MAINTENANCE

6.1 Cleaning

- Use a soft, dry cloth to clean the drone and remote control.
- Do not use water or chemical cleaners, as this may damage the electronic components.

6.2 Propeller Replacement

If a propeller is damaged, replace it with a spare propeller from the package.

1. Identify the damaged propeller.
2. Gently pull the damaged propeller straight up from its motor shaft.
3. Align a new propeller with the motor shaft and press it down firmly until it is secure. Ensure the correct propeller type (A or B, usually marked on the propeller) is used for the corresponding motor.

6.3 Storage

- When not in use for extended periods, remove batteries from both the drone and the remote control.
- Store the drone and accessories in a cool, dry place, away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Drone does not respond to remote.	Not paired; low battery; remote batteries dead.	Re-pair drone and remote; charge drone battery; replace remote batteries.
Drone flies erratically or drifts.	Not calibrated; damaged propeller; strong wind.	Perform calibration (refer to manual for specific steps, usually pushing both sticks down and out); replace damaged propeller; fly in calm conditions.
Short flight time.	Battery not fully charged; old battery.	Ensure battery is fully charged (80-100 mins); consider replacing old batteries.
Drone lights flashing but no response.	Not paired.	Follow pairing instructions (Section 4.3).

8. SPECIFICATIONS

- **Brand:** Dwi Dowellin
- **Model Name:** D10 BLUE NEW
- **Product Dimensions:** 6.3" L x 6.3" W x 2.95" H
- **Item Weight:** 76 Grams (2.68 ounces)
- **Drone Battery Capacity:** 850mAh Lithium Polymer
- **Flight Time:** 10-11 minutes per battery (up to 20 minutes with 2 batteries)
- **Charging Time:** 80-100 minutes
- **Remote Control Batteries:** 3 x AAA (not included)
- **Maximum Range:** 200-260 Feet
- **Skill Level:** Beginner
- **Material:** Plastic
- **Special Features:** One Key Spin, 3D Flips, Auto Hovering, 3 Speed Modes, One Key Take Off/Landing, Headless Mode, Controllable LED Lights.

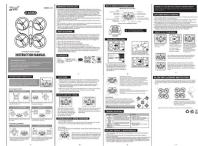
9. WARRANTY AND SUPPORT

Dwi Dowellin products are designed for quality and performance. For any questions, technical support, or warranty inquiries, please contact Dwi Dowellin customer service through the retailer where the product was purchased or visit the official Dwi Dowellin store page on Amazon for contact information.

Please retain your proof of purchase for warranty claims.

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