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Dwi Dowellin H10

Dwi Dowellin H10 RC Helicopter User Manual

Model: H10 | Brand: Dwi Dowellin

1. INTRODUCTION

This manual provides essential instructions for the safe operation, setup, and maintenance of your Dwi Dowellin H10 RC Helicopter. Please read this manual thoroughly before first use to ensure proper function and to prevent damage.

Safety Information

WARNING: NOT SUITABLE FOR CHILDREN UNDER 3 YEARS DUE TO SMALL PARTS.

- Always operate the helicopter in an open, unobstructed area.
- Keep hands, face, and hair away from rotating blades.
- Do not fly near people, animals, or fragile objects.
- Ensure batteries are correctly installed and charged.
- Adult supervision is recommended for children operating this toy.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x Dwi Dowellin H10 RC Helicopter (Green)
- 1 x Remote Control
- 2 x Rechargeable Batteries (3.7V 350mAh)
- 2 x USB Charging Cables
- 3 x AAA Batteries (for remote control)
- 2 x Spare Main Propellers
- 1 x Spare Tail Propeller
- 1 x Screwdriver
- 1 x User Manual



Image 2.1: Contents of the Dwi Dowellin H10 RC Helicopter package, including the helicopter, remote, batteries, charging cables, spare parts, and screwdriver.

3. COMPONENTS OVERVIEW

Familiarize yourself with the main components of your RC Helicopter and its remote control.

Helicopter Features:

- **Main Rotor Blades:** Provide lift and control.
- **Tail Rotor:** Controls yaw (left/right rotation).
- **LED Lights:** 8 different light modes for visual effects.
- **Landing Gear:** Provides stable landing.
- **Battery Compartment:** Houses the rechargeable flight battery.
- **Power Switch:** Turns the helicopter on/off.

Remote Control Features:

- **Left Joystick (Throttle):** Controls ascend/descend and yaw (left/right rotation).
- **Right Joystick (Directional):** Controls forward/backward and left/right movement.
- **One-Key Takeoff/Landing Button:** Initiates automatic takeoff or landing.

- **Speed Mode Button:** Toggles between low and high speed.
- **Light Mode Button:** Cycles through 8 different LED light modes.
- **Trim Adjustment Buttons:** Fine-tune stability for smoother flight.
- **Power Indicator Light:** Shows remote control status.



Image 3.1: Overview of the Dwi Dowellin H10 RC Helicopter and its remote control, highlighting key functions like one-key start, 2 speed modes, altitude hold, and 2.4GHz remote.

4. SETUP

4.1 Remote Control Battery Installation

1. Unscrew the battery cover on the back of the remote control using the provided screwdriver.
2. Insert 3 AAA batteries, ensuring correct polarity (+/-).
3. Replace the battery cover and tighten the screw.

Video 4.1: Demonstration of installing batteries into the remote control. This video shows the process of unscrewing the battery cover, inserting batteries with correct polarity, and securing the cover.

4.2 Helicopter Battery Installation and Charging

1. Locate the battery compartment on the underside of the helicopter.
2. Carefully insert a fully charged modular battery into the compartment. Ensure it clicks securely into place.
3. To charge the helicopter battery, remove it from the helicopter. Connect the battery to one of the provided USB charging cables.
4. Plug the USB charging cable into a standard USB power adapter (not included). The red light on the charging cable will illuminate during charging and turn off when charging is complete.
5. **Important:** Do not use fast charging chargers, as this may damage the battery.



Image 4.2: The Dwi Dowellin H10 RC Helicopter highlighting the two included modular batteries, which provide 22-26 minutes of flight time.

Video 4.3: Demonstration of installing and charging the helicopter battery. This video illustrates how to insert the battery into the helicopter and connect it to the charging cable.

5. OPERATING INSTRUCTIONS

5.1 Pairing the Remote Control and Helicopter

1. Ensure both the helicopter and remote control are fully charged.

2. Turn on the helicopter's power switch. The helicopter'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 all the way down. The helicopter and remote indicator lights will become solid, indicating successful pairing.

5.2 Gyroscope Calibration (Pre-flight)

For stable flight, calibrate the gyroscope before each flight:

1. Place the helicopter on a flat, level surface after pairing.
2. On the remote control, press and hold the calibration button (refer to remote diagram for exact location, usually a small button near the joysticks).
3. The helicopter's lights will flash rapidly and then turn solid, indicating successful calibration.

Video 5.1: Demonstration of gyroscope calibration. This video shows the remote control being used to calibrate the helicopter, with the helicopter's lights flashing and then becoming solid.

5.3 Basic Flight Controls

- **One-Key Takeoff:** Press the One-Key Takeoff/Landing button once. The helicopter will automatically ascend and hover at a stable altitude.
- **Ascend/Descend:** Push the left joystick (throttle) up to ascend, and down to descend.
- **Forward/Backward:** Push the right joystick forward to move the helicopter forward, and backward to move it backward.
- **Turn Left/Right (Yaw):** Push the left joystick left to rotate the helicopter counter-clockwise, and right to rotate it clockwise.
- **Left/Right Movement (Strafe):** Push the right joystick left to move the helicopter left, and right to move it right.
- **One-Key Landing:** Press the One-Key Takeoff/Landing button again. The helicopter will automatically descend and land gently.

PRODUCT SIZE



Image 5.2: The Dwi Dowellin H10 RC Helicopter demonstrating stable flight with altitude hold, making it easy for beginners to fly.

Video 5.3: Demonstration of basic flight controls including ascending, descending, moving forward, backward, turning left, and turning right. This video also shows the one-key takeoff and landing feature.

5.4 Speed Modes

Press the Speed Mode button on the remote control to switch between low and high speed settings. Low speed is recommended for beginners and indoor flight, while high speed offers more agility for experienced users.

5.5 LED Light Modes

Press the Light Mode button on the remote control to cycle through the 8 different dazzling LED light modes. This feature enhances visibility and adds excitement to your flight experience.



Image 5.4: The Dwi Dowellin H10 RC Helicopter showcasing its various LED light colors, providing a captivating visual experience.

6. MAINTENANCE

6.1 Blade Replacement

If a main rotor blade or tail rotor blade becomes damaged, it can be replaced using the spare parts provided.

1. Using the provided screwdriver, carefully unscrew the small screw holding the damaged blade in place.
2. Gently remove the damaged blade.
3. Take a new blade from the spare parts. Note that main rotor blades are typically marked 'A' and 'B' and must be installed in their correct positions. The tail rotor blade is universal.
4. Align the new blade with the rotor shaft and secure it with the screw. Do not overtighten.

Video 6.1: Demonstration of replacing a damaged rotor blade. This video guides users through unscrewing the old blade, noting the A/B markings, and installing a new blade.

6.2 General Care

- Clean the helicopter with a soft, dry cloth. Avoid water or harsh chemicals.
- Store the helicopter and remote control in a cool, dry place away from direct sunlight.
- Remove batteries from the remote control if not used for extended periods.
- Regularly inspect the helicopter for any loose parts or damage.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Helicopter does not respond to remote.	Not paired; low battery in remote or helicopter.	Ensure both are powered on and paired. Check and replace/charge batteries.
Helicopter flies erratically or drifts.	Gyroscope needs calibration; trim settings incorrect.	Perform gyroscope calibration. Adjust trim buttons on the remote control.
Helicopter does not lift off.	Low helicopter battery; damaged blades.	Charge helicopter battery. Inspect and replace damaged blades.
Short flight time.	Battery not fully charged; aging battery.	Ensure battery is fully charged. Consider replacing the battery if it's old.

8. SPECIFICATIONS

- **Model Number:** H10
- **Product Dimensions:** 8.2 x 1.56 x 4.8 inches
- **Item Weight:** 1.6 ounces
- **Recommended Age:** 8 years and up
- **Helicopter Battery:** 3.7V 350mAh (Rechargeable, 2 included)
- **Remote Control Battery:** 3 x AAA batteries (included)
- **Flight Time:** Approximately 11-13 minutes per battery (22-26 minutes total with 2 batteries)
- **Control Frequency:** 2.4GHz
- **Light Modes:** 8 Dazzling LED Light Modes



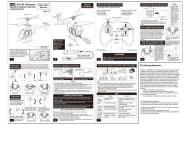
Image 8.1: Dimensions of the Dwi Dowellin H10 RC Helicopter, showing its length, width, and height.

9. WARRANTY AND SUPPORT

For warranty information, product support, or to purchase replacement parts, please contact Dwi Dowellin customer service or refer to the seller's policies on the platform where the product was purchased. You can visit the [Dwi Dowellin Store](#) for more information.

Related Documents - H10

<small>H10 Electric Scooter User Manual</small> 	<u>H10 Electric Scooter User Manual: Assembly, Operation, Safety & Maintenance</u> This user manual provides comprehensive instructions for the H10 Electric Scooter, covering its features, assembly, safe operation, charging, maintenance, technical specifications, and warranty policy. Learn how to use and care for your H10 scooter effectively.
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	<p>DOWELLIN 2.4G 3.5CH RC Helicopter Instruction Manual: Altitude Hold & Landing</p> <p>Comprehensive instruction manual for the DOWELLIN 2.4G 3.5CH RC Helicopter with Altitude Hold and Landing features. Learn about setup, operation, charging, safety precautions, and troubleshooting for model DRW241BU.</p>
	<p>Dwi Dowellin D6 Drone Instruction Manual: Operation, Safety, and Maintenance</p> <p>Comprehensive user manual for the Dwi Dowellin D6 2.4GHz remote control drone. Learn about transmitter functions, battery charging, flight operations, safety precautions, troubleshooting, and blade replacement.</p>
 <p>Instructions for use 14+</p> <p>Dwi Dowellin D10</p> <p>E-mail: service@dwidrone.com</p>	<p>Dwi Dowellin D10 RC Drone: User Manual and Flight Instructions</p> <p>Comprehensive user manual for the Dwi Dowellin D10 RC Drone, covering setup, flight controls, safety guidelines, troubleshooting, and advanced features. Learn how to operate your drone safely and effectively.</p>
	<p>2.4G 3.5CH RC Helicopter Instruction Manual: Takeoff, Altitude Hold & Landing Guide</p> <p>Comprehensive instruction manual for the 2.4G 3.5CH RC Helicopter, covering takeoff, landing, altitude hold, remote control operations, battery charging, safety precautions, and troubleshooting. Learn to fly your helicopter with ease.</p>
	<p>DRAW-WIRE Draw-wire Encoder: Technical Specifications, Mounting, and Wiring Guide</p> <p>Comprehensive technical specifications, mounting instructions, electrical connection details, and safety guidelines for the Lika DRAW-WIRE draw-wire encoder series (DWI), including models DWI-2M, DWI-5M, and DWI-10M. This document provides essential information for industrial automation applications.</p>