DEWALT DWHT66719

DEWALT FLEXDRIVE Cordless Screwdriver Instruction Manual

Model: DWHT66719

1. Product Overview

The DEWALT FLEXDRIVE Cordless Screwdriver (DWHT66719) is designed for efficient assembly applications. It features a compact design for portability and innovative FLEXDRIVE 360-degree collar for seamless slide-to-drive control. This powerful tool offers 6-stage torque adjustment and a rechargeable 2Ah integral battery, capable of driving up to 680 machine screws per charge.

- **360° CONTROL:** Eliminate the restriction of buttons with the slide-to-drive flexibility of the FLEXDRIVE Collar.
- **PROFESSIONAL PERFORMANCE:** Tackle a variety of assembly applications with up to 44 in-lbs. (5NM) of powered max torque with manual finishing capability up to 124 in-lbs. (14NM).
- **CORDLESS SPEED AND EFFICIENCY:** Drive screws fast with up to 360 RPM of no-load speed and 2Ah integral battery that delivers up to 680 screws per charge*.
- **CONTROLLED DELIVERY:** Match power to application with 6-stage torque adjustment.



Figure 1.1: DEWALT FLEXDRIVE Cordless Screwdriver with included screwdriving bits.



Figure 1.2: Overview of key features including USB-rechargeable port, compact portability, convenient onboard LED, controlled delivery, and 360° control.

2. Safety Information

Always read and understand all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

- Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

- Avoid unintentional starting. Ensure the switch is in the off-position before connecting to battery pack, picking up or carrying the tool.
- Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.
- Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

3. Package Contents

Your DEWALT FLEXDRIVE Cordless Screwdriver package includes the following items:

- DEWALT 4V Cordless Screwdriver
- 15 Piece Screwdriving Bit Set
- USB-C Charging Cable
- Instruction Manual

4. Setup

4.1 Charging the Screwdriver

The DEWALT FLEXDRIVE Cordless Screwdriver features an integral 2Ah Lithium-Ion battery. Before first use, fully charge the battery.

1. Locate the USB-C charging port on the end of the screwdriver handle. It is protected by a rubber tab.
2. Open the rubber tab and insert the provided USB-C charging cable.
3. Connect the other end of the USB-C cable to any standard 15W or greater power source (e.g., USB wall adapter, computer USB port).
4. The battery indicator lights will illuminate and flash to show charging progress. A full charge typically takes 60 minutes.
5. Once fully charged, all battery indicator lights will be solid. Disconnect the charging cable and close the rubber tab.



Figure 4.1: USB-C charging port and state of charge indication on the screwdriver handle.

4.2 Installing Screwdriving Bits

The screwdriver uses standard 1/4-inch hex shank bits.

1. Pull the bit collar forward to unlock the bit holder.
2. Insert the desired screwdriving bit into the bit holder.
3. Release the bit collar to secure the bit in place. Ensure the bit is firmly seated before operation.



Figure 4.2: Inserting a screwdriving bit into the quick-release bit holder.

5. Operating Instructions

5.1 Powering On/Off and Direction Control

The FLEXDRIVE Cordless Screwdriver utilizes a 360-degree collar for intuitive control:

- To activate forward rotation (driving screws), rotate the collar clockwise. The further you rotate, the faster the speed.
- To activate reverse rotation (removing screws), rotate the collar counter-clockwise. The further you rotate, the faster the speed.
- To turn off the screwdriver, return the collar to the center (locked) position.





Figure 5.1: The FLEXDRIVE 360° control collar for intuitive operation.

5.2 Torque Adjustment

The screwdriver features a 6-stage torque adjustment ring located near the bit holder. This allows you to match the power output to the specific application, preventing overtightening or stripping screws.

- Rotate the torque adjustment ring to select the desired setting from 1 (lowest torque) to 6 (highest torque).
- For delicate tasks or smaller screws, start with a lower torque setting.
- For tougher applications or larger screws, increase the torque setting as needed.

- The screwdriver also allows for manual finishing up to 124 in-lbs. (14NM) by holding the tool firmly when the clutch engages.



Figure 5.2: The 6-stage torque adjustment ring for controlled delivery.

5.3 Onboard LED Work Light

The screwdriver is equipped with a 4-LED work light that automatically illuminates when the tool is in operation, providing visibility in dimly lit areas. The light features an auto shut-off function.



Figure 5.3: The convenient onboard LED work light illuminates the work area.

6. Maintenance

Regular maintenance ensures optimal performance and extends the life of your tool.

- **Cleaning:** Use only mild soap and a damp cloth to clean the tool. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.
- **Battery Care:** Store the tool in a cool, dry place away from direct sunlight and excessive heat. Do not store the tool with a completely discharged battery for extended periods.
- **Bit Holder:** Periodically inspect the bit holder for debris or wear. Clean as necessary to ensure proper bit retention.

7. Troubleshooting

7.1 Screwdriver Not Turning On

- **Check Battery:** Ensure the battery is charged. Refer to Section 4.1 for charging instructions.
- **Collar Position:** Make sure the FLEXDRIVE collar is rotated fully to the forward or reverse position. It will not operate if in the center (locked) position.

7.2 Insufficient Torque

- **Adjust Torque Setting:** Increase the torque setting on the adjustment ring. Refer to Section 5.2.
- **Battery Level:** A low battery can reduce power output. Recharge the screwdriver if necessary.
- **Manual Finishing:** For very tight screws, apply manual force after the powered drive stops.

7.3 Bit Slipping or Stripping Screws

- **Correct Bit Size:** Ensure you are using the correct size and type of bit for the screw head.
- **Bit Seating:** Make sure the bit is fully inserted and locked into the bit holder.
- **Torque Setting:** If stripping occurs, reduce the torque setting. If slipping occurs, ensure the bit is properly engaged with the screw head and consider increasing torque slightly.

8. Specifications

Feature	Specification
Brand	DEWALT
Model Name	DEWALT Cordless Screwdriver with FLEXDRIVE Control and Screwdriving Bits (DWHT66719)
Model Number	DWHT66719
UPC	076174442663
Power Source	Battery Powered (Integral)
Voltage	4 Volts
Battery Type	Lithium Ion (2Ah)
No-Load Speed	Up to 360 RPM
Powered Max Torque	Up to 44 in-lbs. (5NM)
Manual Finishing Torque	Up to 124 in-lbs. (14NM)
Torque Adjustment	6-stage
Head Style	Phillips (and other common types via included bits)

Feature	Specification
Material	Chrome Vanadium Steel, Plastic
Color	Black, Yellow
Item Weight	11.7 ounces
Product Dimensions (L x W x H)	10.28 x 4.88 x 2.56 inches
Country of Origin	China
Included Components	DEWALT 4V CORDLESS SCREWDRIVER 15 PC SET

9. Warranty & Support

For warranty information and customer support, please refer to the official DEWALT website or contact their customer service directly. Keep your purchase receipt for warranty claims.

Online Support: www.dewalt.com/support

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.

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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.

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