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DuroFort 8V Magnetic Electric Screwdriver

DuroFort Cordless Electric Screwdriver Set User Manual

Model: 8V Magnetic Electric Screwdriver

Brand: DuroFort

1. INTRODUCTION

This user manual provides detailed instructions for the safe and efficient operation, maintenance, and troubleshooting of your DuroFort Cordless Electric Screwdriver Set. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.

The DuroFort Cordless Electric Screwdriver Set is designed for various home repairs and DIY projects, offering powerful electric torque, a long-lasting battery, and versatile accessories for a wide range of applications.

2. PRODUCT OVERVIEW AND COMPONENTS

Familiarize yourself with the main components of your electric screwdriver:



Figure 2.1: Main components of the DuroFort Cordless Electric Screwdriver, including the magnetic chuck, battery indicator light, built-in LED light, forward/reverse button, 2-position toggle button, and charging port.

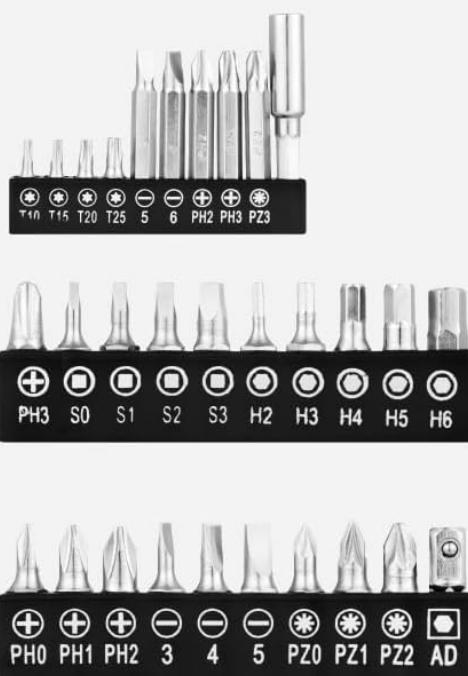
- **Magnetic Chuck:** Securely holds screwdriver bits.
- **Battery Indicator Light:** Displays remaining battery charge.
- **Built-in LED Light:** Illuminates the work area for improved visibility.
- **Forward/Reverse Button:** Controls the rotation direction of the chuck.
- **2-Position Toggle Button:** Allows adjustment of the handle angle (90° or 180°).
- **Charging Port:** For connecting the charger to recharge the battery.
- **Torque Adjustment Ring:** Selects the desired torque setting (10+1 settings).

2.1 Included Accessories

Your DuroFort Cordless Electric Screwdriver Set comes with a comprehensive collection of accessories to meet various needs:

89PCS Accessories & Portable Box

Screwdriver Bits



Flexible Shaft



Socket Wrench



5mm-12mm

Extension Rod



Adapter



Charger



Storage Box



Figure 2.2: Overview of the 89-piece accessory set.

- Screwdriver Bits:** A wide variety of Phillips, Slotted, Hex, Torx, and other common bit types.
- Flexible Shaft:** For accessing screws in tight or awkward spaces.
- Socket Wrench Set:** Various sizes (5mm-12mm) for nuts and bolts.

- **Extension Rod:** Extends the reach of screwdriver bits.
- **Adapter:** For connecting sockets to the screwdriver.
- **Charger:** For recharging the screwdriver's battery.
- **Portable Storage Box:** A durable cloth bag for organizing and transporting the set.

3. TECHNICAL SPECIFICATIONS

Feature	Specification
Voltage	8V
Battery Type	Lithium-Ion
Battery Capacity	2000 mAh
Charging Time	Approx. 1 hour
No-Load Speed	320 RPM
Max Electric Torque	5.5 Nm
Manual Torque	10 Nm
Torque Settings	10+1
Handle Positions	90° (Pistol) and 180° (In-line)
Item Weight	1.62 kg (3.56 pounds)
Product Dimensions	7.01 x 5.71 x 2.01 inches

4. SETUP

4.1 Charging the Battery

Before first use, fully charge the screwdriver's battery. The battery indicator lights will show the charging status.

1. Connect the charger to the charging port on the screwdriver.
2. Plug the charger into a standard electrical outlet.
3. The battery indicator lights will illuminate to show charging progress. A full charge typically takes about 1 hour.
4. Once fully charged, disconnect the charger.

Built-in 2000mAh Battery

Fully charged in 1 hour



Figure 4.1: Charging the 2000mAh battery. A full charge is indicated by the battery indicator lights.

The battery indicator lights provide real-time power status:

- **Red:** Low battery (approx. 30% remaining)
- **Orange:** Medium battery (approx. 50% remaining)
- **Green:** High battery (approx. 100% remaining)

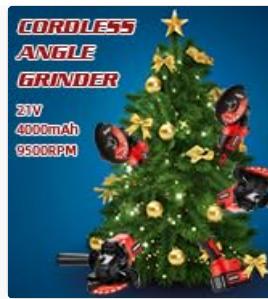


Figure 4.2: Battery indicator light states.

4.2 Inserting and Removing Screwdriver Bits

The screwdriver features a magnetic chuck for easy bit changes.

1. Select the appropriate screwdriver bit for your task.
2. Insert the bit firmly into the magnetic chuck until it clicks into place.
3. To remove, simply pull the bit straight out from the chuck.



Figure 4.3: Inserting a screwdriver bit.



Figure 4.4: Magnetic chuck in action.

5. OPERATING INSTRUCTIONS

5.1 Adjusting Handle Position

The screwdriver features a dual-position handle, allowing you to switch between a 90° pistol grip and a 180° in-line grip for optimal comfort and access in different situations.

1. Locate the 2-position toggle button on the handle.
2. Press the button and rotate the handle to your desired position (90° or 180°).
3. Release the button to lock the handle in place.

2 Position Handle

Pistol Angle



In-line Angle



Step 1 - Press the button



Step 2 - Rotate the handle



Step 3 - Finished

Figure 5.1: Adjusting the handle between Pistol Angle (90°) and In-line Angle (180°).

5.2 Setting Torque

The screwdriver offers 10+1 torque settings, allowing you to adjust the power output to prevent over-tightening or stripping screws. The '1' setting is for drilling or maximum torque.

1. Rotate the torque adjustment ring located near the chuck.
2. Align the desired torque number with the indicator mark on the screwdriver body.
3. Start with a lower torque setting and increase if more power is needed.

// 10+1 Torque Settings



Forward



Lock



Reverse

Figure 5.2: Adjusting the 10+1 torque settings.

5.3 Forward, Reverse, and Lock Operation

The forward/reverse button controls the direction of rotation and also acts as a lock mechanism.

- **Forward (F):** Push the button to the left for clockwise rotation (tightening screws).
- **Reverse (R):** Push the button to the right for counter-clockwise rotation (loosening screws).
- **Lock:** Position the button in the center to lock the trigger and prevent accidental operation. This also allows for manual tightening/loosening.



Figure 5.3: Forward, Reverse, and Lock mechanism.

5.4 Using the Built-in LED Light

The integrated LED light automatically illuminates when the trigger is pressed, providing visibility in dimly lit work areas.



Figure 5.4: LED light illuminating the work area.

5.5 Applications and Versatility

The DuroFort screwdriver set is versatile for various tasks:

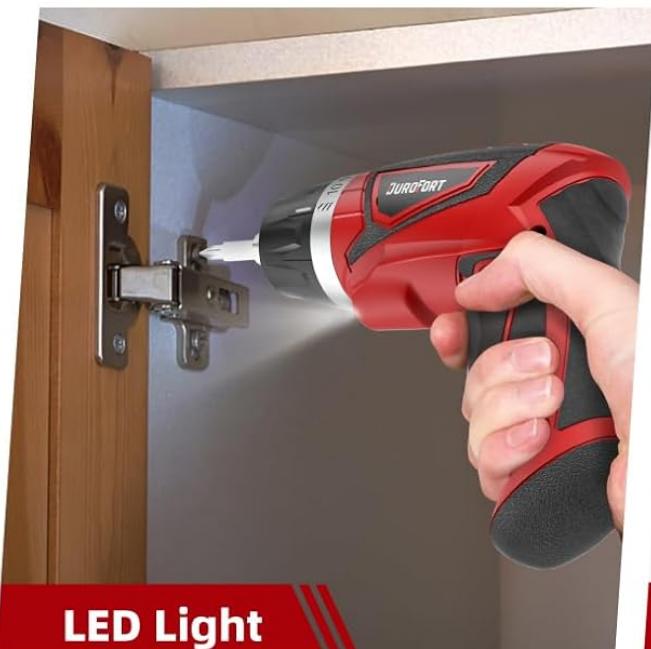
Meet Different Fixing Needs



Driver Bits



Socket



LED Light



Flexible Shaft

Figure 5.5: Examples of use with driver bits, sockets, LED light, and flexible shaft.

- **Driver Bits:** Ideal for assembling furniture, installing shelves, or general household repairs.
- **Sockets:** Use with the adapter and extension rod for tightening or loosening nuts and bolts.
- **Flexible Shaft:** Perfect for reaching screws in confined or hard-to-reach areas, such as inside cabinets or behind appliances.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your screwdriver.

- Cleaning:** Regularly wipe down the tool with a clean, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure no moisture enters the motor or battery compartments.
- Storage:** Store the screwdriver and its accessories in the provided portable cloth bag in a dry, cool place, away from direct sunlight and extreme temperatures.
- Battery Care:**
 - Avoid fully discharging the battery frequently.
 - Recharge the battery before it is completely depleted.
 - If storing for extended periods, charge the battery to approximately 50% every 3-6 months to maintain battery health.
 - Do not expose the battery to water or extreme heat.
- Bit Maintenance:** Keep screwdriver bits clean and free of debris. Replace worn or damaged bits to ensure proper screw engagement and prevent stripping.

7. TROUBLESHOOTING

Refer to the following table for common issues and their solutions:

Problem	Possible Cause	Solution
Screwdriver does not turn on.	Battery is depleted. Forward/Reverse switch is in the locked (center) position.	Charge the battery fully. Move the switch to the Forward (F) or Reverse (R) position.
Screwdriver lacks power or stops during use.	Low battery charge. Torque setting is too low. Overload protection activated.	Recharge the battery. Increase the torque setting. Reduce pressure on the tool; allow it to cool down if overheated.
Screwdriver bit slips or strips screw head.	Incorrect bit size/type. Worn or damaged bit. Torque setting too high or too low.	Use the correct bit for the screw type. Replace the bit. Adjust torque setting appropriately.
Handle does not lock in position.	Toggle button not fully released. Debris obstructing mechanism.	Ensure the toggle button is fully released after adjusting. Clean the area around the pivot mechanism.

8. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact DuroFort customer service. Refer to your purchase documentation for specific warranty terms and conditions.

Manufacturer: DuroFort

Model Number: 8V Magnetic Electric Screwdriver

For further assistance, please visit the official DuroFort website or contact their customer support channels as provided with your product packaging.

Related Documents - 8V Magnetic Electric Screwdriver

	<p>Goobay Tools: Your Complete Guide to DIY, Repair, and Crafting Essentials</p> <p>Explore the comprehensive Goobay Tools catalog, featuring a wide range of products for DIY enthusiasts, home repair, and crafting projects. Discover cordless tools, vacuum cleaners, air dusters, compressors, screwdrivers, hot glue guns, and more.</p>
	<p>Fanttik NEX L2 Pro Cordless Screwdriver Kit User Manual</p> <p>Official user manual for the Fanttik NEX L2 Pro Cordless Screwdriver Kit. Provides detailed information on safety precautions, package contents, product features, operating instructions, technical specifications, and warranty details.</p>
	<p>HOTO Cordless Screwdriver QWLSD008 User Manual and Specifications</p> <p>This document provides a comprehensive user manual for the HOTO Cordless Screwdriver QWLSD008, including product overview, usage instructions, safety warnings, troubleshooting guide, and technical specifications. Available in English and German.</p>
	<p>F.J. Westcott Studio Cart by Lindsay Adler Assembly Instructions</p> <p>Assembly instructions and component list for the F.J. Westcott Studio Cart designed by Lindsay Adler. Includes tools required, hardware list, and a component breakout diagram.</p>
	<p>Makita DDF482 Cordless Driver Drill - Instruction Manual</p> <p>Comprehensive instruction manual for the Makita DDF482 cordless driver drill, covering specifications, safety guidelines, operation, maintenance, and features for drilling and screw driving in wood, metal, and plastic.</p>
	<p>Fanttik Fold S1 APEX Cordless Screwdriver User Manual and Specifications</p> <p>A comprehensive guide to the Fanttik Fold S1 APEX foldable cordless screwdriver, covering its features, operation, specifications, safety precautions, and warranty information.</p>