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› HARDELL 8V Cordless Rotary Tool Kit User Manual

HARDELL DM22409WHIHD-1

HARDELL 8V Cordless Rotary Tool Kit User Manual

MODEL: DM22409WHIHD-1

Introduction

This manual provides essential information for the safe and effective use of your HARDELL 8V Cordless Rotary Tool Kit. Please read all instructions carefully before operating the tool. This versatile tool is designed for various DIY projects, including sanding, polishing, engraving, grinding, and drilling.

Safety Instructions

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury.

- Wear appropriate personal protective equipment (PPE), such as safety glasses and gloves, when operating the tool.
- Ensure the work area is well-lit and clear of obstructions.
- Keep children and bystanders away while operating the tool.
- Do not operate the tool in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Avoid accidental starting. Ensure the switch is in the off-position before connecting to battery pack, picking up or carrying the tool.
- Use the correct accessory for the task. Do not force the tool.
- Disconnect the battery pack from the tool before making any adjustments, changing accessories, or storing the tool.
- Store idle tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.

Package Contents

Your HARDELL 8V Cordless Rotary Tool Kit includes the following items:

PACKAGE INCLUDES

42 PCS ACCESSORIES

SANDING



Sanding Bands (large) *10
(80-Grit)



Sanding paper *12
(80-Grit)



Sanding shank *1
(3.2mm)

GRINDING



Grinding wheel
with shank *1
(3.2mm)

DRILLING



HSS Drill Bit *1
(3.2mm)

CARVING

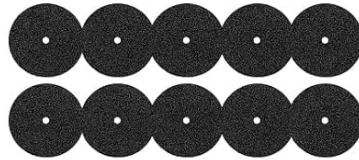


HSS
cutter *1
(3.2mm)



Diamond
bits*1
(3.2mm)

CUTTING



Cut off wheel *10



wheel
mandrel *1
(3.2mm)

POLISHING



Big Felt
Wheel*2



Mandrel for
Felt Wheel*1
(3.2mm)

OTHER



Type-C Cable *1



spanner *1



Collet(3.2mm) *2

Image: Contents of the HARDELL 8V Cordless Rotary Tool Kit, showing the tool and its 42 accessories.

- 1 x HARDELL 8V Cordless Rotary Tool
- 1 x Type-C Charging Cable
- 1 x Spanner
- 2 x Collets (3.2mm)
- 10 x Large Sanding Bands (80-Grit)
- 12 x Sanding Paper (80-Grit)
- 1 x Sanding Shank (3.2mm)
- 1 x Grinding Wheel with Shank (3.2mm)
- 1 x HSS Drill Bit (3.2mm)
- 1 x HSS Cutter (3.2mm)
- 1 x Diamond Bit (3.2mm)
- 10 x Cut Off Wheels

- 1 x Wheel Mandrel (3.2mm)
- 2 x Big Felt Wheels
- 1 x Mandrel for Felt Wheel (3.2mm)
- 1 x Zipper Storage Bag

Product Overview

Familiarize yourself with the components of your rotary tool:

8V ROTARY TOOL

5-speed & 5000-28000 RPM



**5-Speed Fine Adjustment
Speed Gear**



ON/OFF



Spindle Lock



Charging Port



Fuel Gauge



($\varnothing$ 3.2)

Replaceable Chuck Design

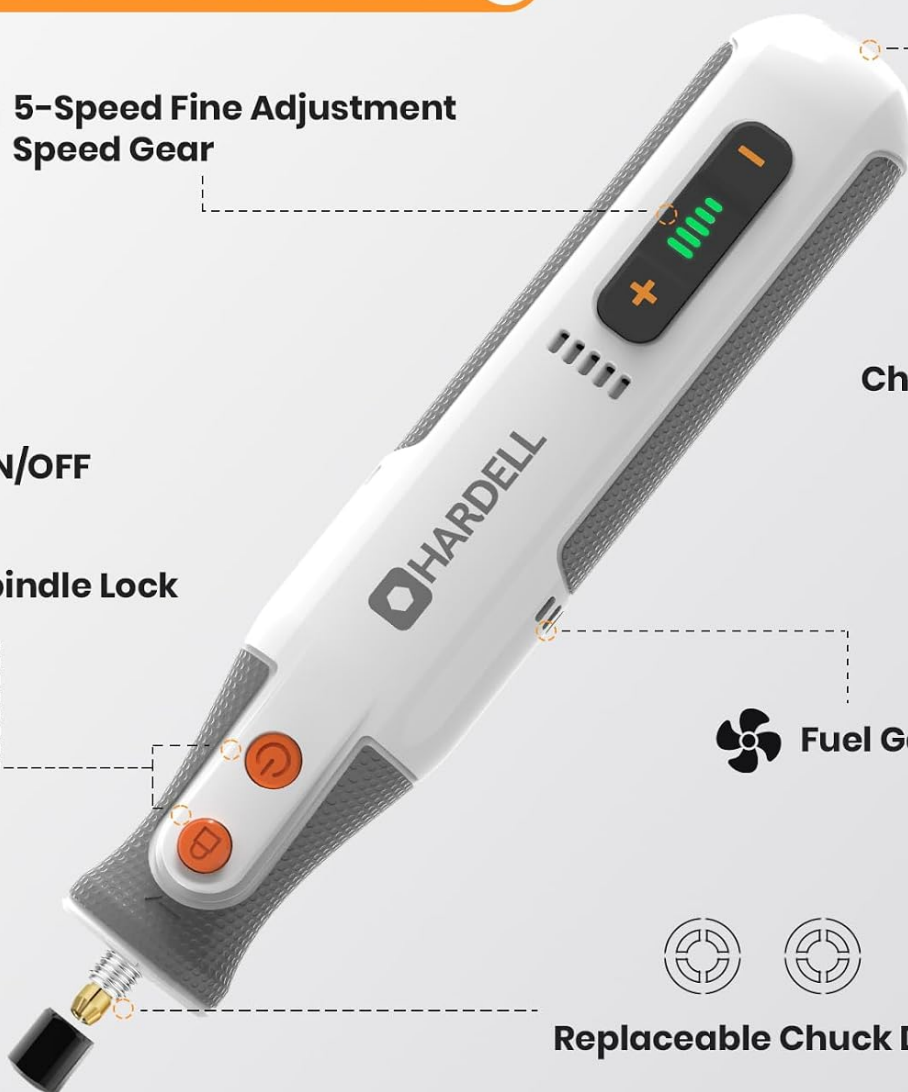


Image: Labeled diagram of the HARDELL 8V Rotary Tool.

- **ON/OFF Button:** Powers the tool on and off.
- **Spindle Lock:** Engages to hold the spindle stationary for accessory changes.

- **Speed Adjustment Buttons (+/-):** Adjusts the rotational speed (5000 to 28000 RPM).
- **Charging Port (Type-C):** For connecting the charging cable.
- **Fuel Gauge:** Indicates the remaining battery charge.
- **LED Ring Light:** Illuminates the work area for precision.
- **Replaceable Chuck Design:** Allows for easy changing of collets and accessories.

Setup

Charging the Tool

Before first use, fully charge the rotary tool. The Type-C charging port supports fast charging, allowing the tool to be fully charged in 1.5-3 hours.

- Connect the provided Type-C charging cable to the tool's charging port.
- Connect the other end of the cable to a compatible USB power adapter (not included).
- The fuel gauge LEDs will indicate charging status. All LEDs will illuminate when fully charged.

Installing Accessories

Follow these steps to securely install or change accessories:



Image: Step-by-step guide for accessory installation.

1. Press down the spindle locking button and unscrew the nut at the tip of the tool.
2. Choose the suitable collet for your accessory and place it into the nut.
3. Insert the desired accessory bit, hold the lock button, and screw on the nut tightly using the provided spanner.
4. **Important:** Do not press the spindle lock button when the motor is running.

Operating Instructions

Powering On/Off

Press the ON/OFF button to turn the tool on. Press it again to turn the tool off.

Speed Adjustment

The HARDELL rotary tool features 5 variable speed settings, ranging from 5000 to 28000 RPM. This allows for precise

control depending on the material and task.

5 SPEED LEVELS

Variable speed control,
precise creation



speed 1

5000
RPM



speed 2

12000
RPM



speed 3

18000
RPM



speed 4

23000
RPM



speed 5

28000
RPM



3.7V Type-C



900mAh Battery

start charging from remaining power



Image: Visual representation of the 5 speed levels.

- Use the '+' button to increase the speed.
- Use the '-' button to decrease the speed.
- The LED indicators will show the current speed level.

Applications

The HARDELL rotary tool is suitable for a wide range of applications:



Image: Examples of the rotary tool in use for various applications.

- **Sanding:** Use sanding bands or paper for smoothing surfaces.
- **Polishing:** Apply felt wheels with polishing compound for a high-gloss finish.
- **Engraving:** Utilize diamond or HSS bits for detailed carving on various materials.
- **Grinding:** Use grinding wheels for shaping and sharpening.
- **Drilling:** Employ drill bits for creating small holes.

The built-in 360° LED halo illuminates the work area, enhancing precision in small spaces.

Maintenance

Cleaning

Regular cleaning ensures optimal performance and extends the tool's lifespan.

- Always disconnect the tool from any power source before cleaning.
- Use a soft, dry cloth to wipe down the exterior of the tool.
- Remove any dust or debris from the ventilation slots using a soft brush or compressed air.
- Clean the chuck and collet regularly to ensure proper accessory seating.

Storage

Store the tool and its accessories in a dry, secure location.

- Store the tool in its provided zipper storage bag to protect it from dust and damage.
- Keep accessories organized to prevent loss and damage.
- Store the tool away from direct sunlight and extreme temperatures.

Troubleshooting

If you encounter issues with your HARDELL rotary tool, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Tool does not turn on.	Low battery or no charge.	Charge the tool fully using the provided Type-C cable.
Accessory wobbles or falls out.	Accessory not properly installed or collet is incorrect size.	Ensure the correct collet is used and the nut is tightened securely with the spanner.
Tool stops during operation.	Overload or low battery.	Reduce pressure on the tool or recharge the battery.
Buttons are overly sensitive.	Normal operation characteristic.	Handle with care to avoid accidental activation.

Specifications

Feature	Detail
Brand	HARDELL
Model Number	DM22409WHIHD-1
Power Source	Battery Powered
Voltage	8V
Battery Type	Lithium Ion (1 included)

Feature	Detail
Variable Speed	5 settings
Minimum Rotational Speed	5000 RPM
Maximum Rotational Speed	28000 RPM
Special Features	LED Light, Cordless, Multi-Use
Included Components	Power Rotary Tool, Accessories Kit
Item Weight	12.3 ounces
Product Dimensions (L x W x H)	7.9 x 1.4 x 1.4 inches
Color	White

Warranty and Support

This HARDELL product is backed by a **1-year warranty** from the date of purchase. Additionally, a **30-day return policy** is in effect.

If you have any questions, require technical assistance, or need to claim warranty service, please feel free to contact us. We are committed to responding to your inquiries within 24 hours.

For support, please refer to the contact information provided on your product packaging or the official HARDELL website.

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.

Name

Anonymous

Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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.

Submit question

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