

## HARDELL DKB22501BLAHD-1

# HARDELL Engraving Pen DKB22501BLAHD-1 Instruction Manual

Model: DKB22501BLAHD-1

## 1. INTRODUCTION

Thank you for choosing the HARDELL Engraving Pen. This versatile, cordless electric engraving tool is designed for precision work on various materials, offering six adjustable speeds and a long-lasting rechargeable battery. Please read this manual thoroughly before use to ensure safe and optimal operation.

## 2. SAFETY INFORMATION

- Always wear appropriate personal protective equipment, such as safety glasses, when operating the engraving pen.
- Ensure the workpiece is securely fastened to prevent movement during engraving.
- Keep fingers and loose clothing away from rotating bits.
- Do not operate the tool near flammable liquids or gases.
- Store the tool and accessories in a dry, secure place, out of reach of children.
- Disconnect the tool from power before changing accessories or performing maintenance.

## 3. PACKAGE CONTENTS

The HARDELL Engraving Pen Kit includes the following items:

- HARDELL Engraving Pen (1)
- USB-C Charging Cable (1)
- Diamond Bits (6)
- Polishing Bits (3)
- Sanding Paper & Rod (20 pieces)

- Replacement Screws (4)
- L-shaped Wrench (1)
- Spanner (1)
- Carving Templates / Stencils (4)
- Quick Start Guide (1)

# ALL-IN-ONE KIT FOR FIRST-TIMERS

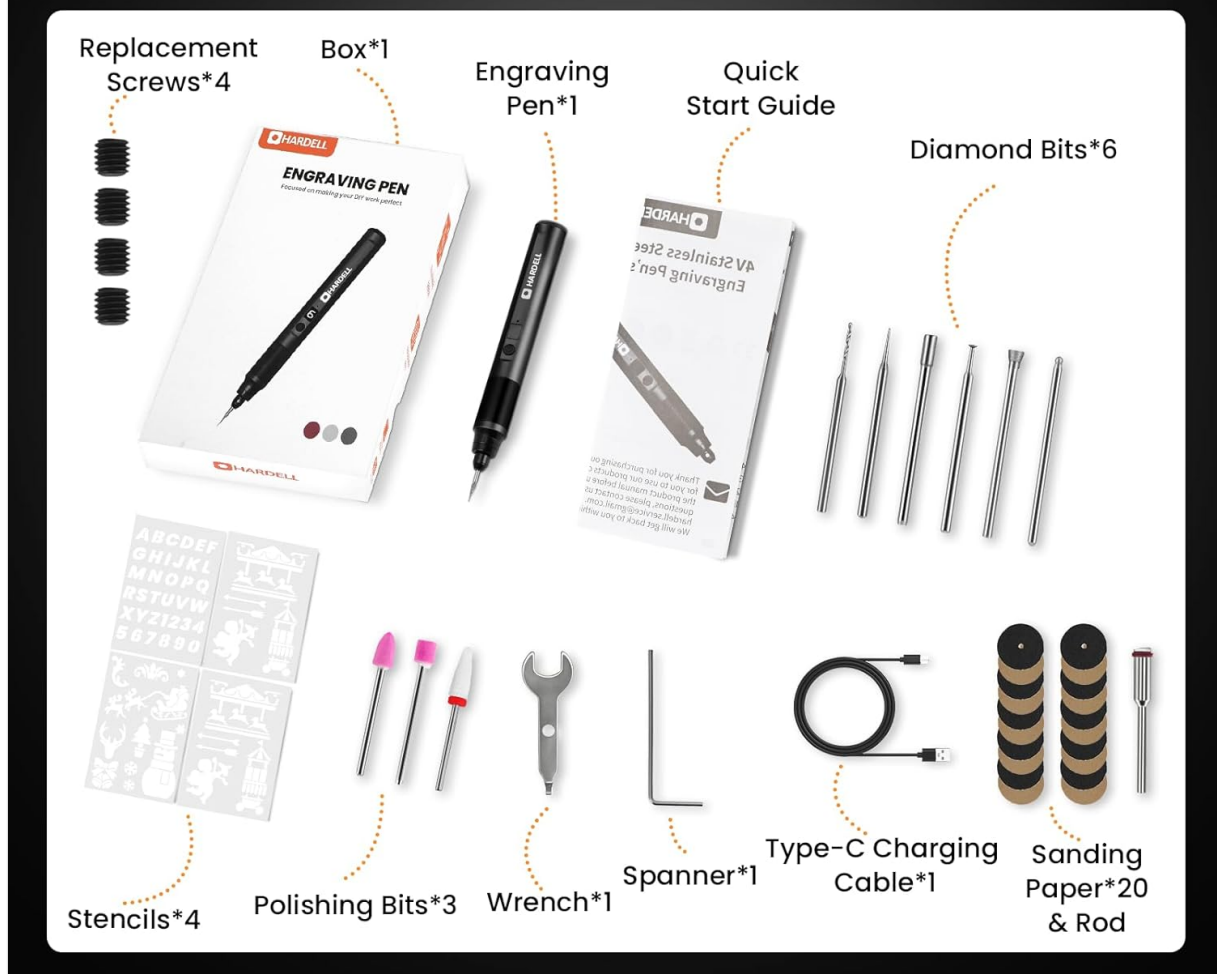


Figure 3.1: Complete HARDELL Engraving Pen Kit contents.

## 4. SETUP

### 4.1. Battery Charging

The engraving pen is powered by a 2000mAh Lithium Ion battery. Before first use, or when the battery is low, charge the device using the provided USB-C cable.

1. Connect the USB-C cable to the charging port on the engraving pen.
2. Plug the other end of the USB-C cable into a standard USB charger, laptop, or power bank.
3. The charging indicator will show the charging status. A full charge typically takes approximately 2 hours for continuous engraving.

# LONGER BATTERY LIFE

Quick Type-C Charging Pairs with a  
**2000 mAh Battery**



Figure 4.1: USB-C charging port and battery indicator.

## 4.2. Bit Installation

To install or change an engraving bit:

1. Ensure the engraving pen is turned off.
2. Unscrew the front collar of the pen to expose the chuck.
3. Insert the desired bit into the chuck.
4. Use the provided L-shaped wrench to securely tighten the chuck, ensuring the bit is firmly in place. Do not overtighten.
5. Replace the front collar.

## QUICK INSTALLATION



Figure 4.2: Steps for quick bit installation.

## 5. OPERATING INSTRUCTIONS

### 5.1. Power On/Off and Speed Adjustment

The HARDELL Engraving Pen features 6-speed settings for various tasks.

1. To power on, press and hold the power button until the LCD display illuminates.
2. To adjust the speed, press the power button repeatedly to cycle through the 6 available speeds (18,000 to 38,000 RPM). The LCD display will indicate the current speed level.
3. To power off, press and hold the power button until the display turns off.





Figure 5.1: Engraving pen with speed indicator and adjustment.

## 5.2. Material Compatibility and Usage

This tool is suitable for engraving, grinding, and polishing on a wide range of materials:

- **Engraving:** Use diamond bits for detailed work on metal, wood, glass, plastic, and leather.
- **Grinding:** Utilize grinding bits for shaping and material removal.
- **Polishing:** Attach polishing bits for smoothing surfaces and achieving a desired finish.
- **Drilling:** Small drilling tasks can be performed on softer materials like shells or plastic.



Figure 5.2: The engraving pen can be used on over 50 surfaces.

### 5.3. Using Stencils

The kit includes various stencils (alphabets, numbers, designs) to assist with precise engraving:

1. Place the desired stencil firmly on the material surface.
2. Carefully trace the stencil design with the engraving pen, applying light and consistent pressure.
3. Remove the stencil once the design is complete.

### 5.4. Product Demonstration Video

Watch this video for a demonstration of the HARDELL Engraving Pen in action, showcasing its features and various applications.

Your browser does not support the video tag.

Video 5.1: Official HARDELL demonstration of the 6-speed, USB-C rechargeable engraving tool.

## 6. MAINTENANCE

### 6.1. Cleaning

Regular cleaning ensures the longevity and performance of your engraving pen:

- After each use, gently wipe the pen body with a soft, dry cloth.
- Use a small brush to remove any dust or debris from the chuck and bit area.
- Do not use harsh chemicals or abrasive cleaners.

6.2. Bit Replacement

Bits will wear down over time. Replace worn bits promptly to maintain engraving quality. Follow the bit installation steps (Section 4.2) to replace old bits with new ones.

7. TROUBLESHOOTING

- **Tool not turning on:** Ensure the battery is fully charged. If the issue persists, check if the battery is correctly inserted.
- **Bit not rotating or rotating slowly:** Verify the bit is securely tightened in the chuck. Check the battery level and recharge if necessary. Adjust the speed setting to a higher RPM.
- **Excessive heat during operation:** Prolonged use at high speeds can cause the tool to warm up. Allow the tool to cool down periodically. Ensure proper ventilation.
- **Poor engraving quality:** Ensure the bit is sharp and not worn. Adjust the speed setting and pressure according to the material.

8. SPECIFICATIONS

| Feature            | Specification                |
|--------------------|------------------------------|
| Manufacturer       | HARDELL                      |
| Model Number       | DKB22501BLAHD-1              |
| Item Weight        | 13.1 ounces                  |
| Product Dimensions | 6.3 x 8.7 x 1.8 inches       |
| Battery Type       | 1 Lithium Ion (included)     |
| Battery Capacity   | 2000mAh                      |
| Rate Volt          | 4V                           |
| Speed Settings     | 6 Speeds (18,000-38,000 RPM) |
| Charging Port      | USB-C                        |

9. WARRANTY & SUPPORT

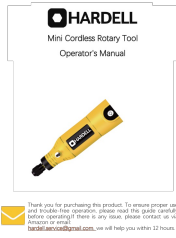
The HARDELL Engraving Pen comes with a 1-Year Manufacturer's Warranty. For warranty claims, technical support, or any questions regarding your product, please contact HARDELL customer service through the retailer where you purchased the product or visit the official HARDELL website.

## Related Documents - DKB22501BLAHD-1



## HARDELL Mini Cordless Rotary Tool Operator's Manual

Operator's manual for the HARDELL Mini Cordless Rotary Tool, detailing components, specifications, package contents, usage instructions, applications, and safety guidelines.



## HARDELL Mini Cordless Rotary Tool Operator's Manual & Guide

Comprehensive operator's manual for the HARDELL Mini Cordless Rotary Tool, covering product descriptions, package contents, usage instructions, applications, safety guidelines, and warranty information.



## HARDELL Mini Cordless Rotary Tool FAQ

Frequently asked questions about the HARDELL Mini Cordless Rotary Tool, covering its uses, charging, and included accessories.



## HARDELL 4V Cordless Rotary Tool Kit User Manual - Comprehensive Guide

Detailed user manual for the HARDELL 4V Cordless Rotary Tool Kit. Learn about components, technical specifications, operating instructions, speed control, accessory usage, safety precautions, maintenance, and warranty. Includes 101 accessories and USB-C charging.



## Hardell 4-Inch Cordless Chainsaw User Manual

Comprehensive user manual for the Hardell 4-Inch Cordless Chainsaw, including specifications, safety guidelines, operating instructions, troubleshooting, and warranty information.



[HARDELL Digital Caliper User Manual - Specifications, Maintenance & Troubleshooting](#)

Comprehensive user manual for the HARDELL Digital Caliper. Includes technical specifications, detailed nomenclature, measurement instructions, battery replacement guide, and troubleshooting tips for the 0-150mm/6-inch caliper.