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## HARDELL DKB42501SILHD-1

# HARDELL 6-Speed Rechargeable Engraving Pen User Manual

Model: DKB42501SILHD-1

Brand: HARDELL

## 1. INTRODUCTION

Thank you for choosing the HARDELL 6-Speed Rechargeable Engraving Pen. This versatile electric engraving tool is designed for precision work across a wide range of materials, making it ideal for artists, DIY enthusiasts, and hobbyists. Its cordless design and variable speed settings provide flexibility and control for various engraving, carving, and polishing tasks.

### Package Contents

Please check the package to ensure all items are present:

- 1 x HARDELL Engraving Pen
- 41 x Accessories (including Diamond Bits, Polish Bits, Sanding Paper Discs & Rod, Stencils, Replacement Screws)
- 1 x Type-C Charging Cable
- 1 x Wrench
- 1 x Hex Key
- 1 x User Manual

# More Than A Hobby A Life of Exploration



Image: The HARDELL Engraving Pen and its complete set of 41 accessories, including various bits, stencils, and charging cable.

## 2. IMPORTANT SAFETY INSTRUCTIONS

To ensure safe operation and prevent injury or damage, please read and follow these safety guidelines carefully:

- **Eye Protection:** Always wear safety glasses or goggles to protect your eyes from flying debris.
- **Work Area:** Ensure your work area is well-lit and clean. Avoid operating in damp or wet conditions.
- **Ventilation:** Work in a well-ventilated area, especially when engraving materials that may produce dust or fumes.
- **Secure Workpiece:** Always secure the material you are working on to prevent it from moving during engraving.
- **Keep Clear:** Keep hands, hair, and loose clothing away from rotating parts.
- **Children and Pets:** Keep the tool out of reach of children and pets.
- **Proper Bits:** Use only bits designed for the HARDELL Engraving Pen and suitable for the material being worked on.
- **Charging:** Use the provided Type-C charging cable. Do not attempt to charge with damaged cables or

chargers.

- **Storage:** Store the tool in a dry, secure place when not in use.
- **Maintenance:** Do not attempt to disassemble or repair the tool yourself. Contact customer support for assistance.

### 3. SETUP AND CHARGING

#### Initial Charging

Before first use, fully charge the engraving pen. The device features a 2000mAh rechargeable battery and supports USB-C fast charging.

1. Connect the provided Type-C charging cable to the charging port on the engraving pen.
2. Plug the other end of the cable into a compatible USB power source (e.g., wall adapter, computer, power bank).
3. The LED display will indicate charging status. A full charge typically takes approximately 2 hours, providing up to 2 hours of uninterrupted use.



Image: The HARDELL Engraving Pen highlighting its Type-C charging port, compatible with portable batteries, computers, charging heads, and car chargers.

#### Installing Engraving Bits

The HARDELL Engraving Pen uses a chuck system for securing bits. Ensure the device is turned off before changing bits.

1. **Loosen the Screw:** Use the provided hex key to loosen the small screw on the chuck at the tip of the pen. (Additional screws are included in the accessory kit).
2. **Insert the Bit:** Carefully insert the desired engraving bit into the chuck. Ensure it is seated firmly and straight.
3. **Tighten the Screw:** Securely tighten the screw with the hex key to hold the bit in place. Do not overtighten.

## Adjustable 6 Speed Get Amazing Results



Image: A visual guide demonstrating the three steps for installing an engraving bit: loosen the screw, insert the bit, and tighten the screw.

## 4. OPERATING INSTRUCTIONS

### Power On/Off and Speed Adjustment

The engraving pen features an On/Off button and speed adjustment controls.

1. **Power On:** Press and hold the On/Off button for a few seconds until the LED display illuminates.
2. **Adjust Speed:** Briefly press the On/Off/Adjust Speed button to cycle through the 6 available speed settings (18,000 RPM to 38,000 RPM). The current speed level will be shown on the LCD display.
3. **Power Off:** Press and hold the On/Off button again until the display turns off.

### Engraving Techniques and Material Versatility

The HARDELL Engraving Pen is suitable for a wide range of materials. Select the appropriate bit and speed for your task.

- **Low Speeds (Level 1-2, 18,000-22,000 RPM):** Ideal for delicate tasks such as nail polishing, fine crystal carving, or working on softer materials.
- **Medium Speeds (Level 3-4, 26,000-30,000 RPM):** Suitable for general polishing, rust removal, and engraving on materials like plastic or softer woods.
- **High Speeds (Level 5-6, 34,000-38,000 RPM):** Best for general drilling, wood chiseling, and engraving harder materials such as metal, glass, stone, or ceramic.

# 2-Hour Uninterrupted Creation Power Your Art



Image: The HARDELL Engraving Pen demonstrating its 6 adjustable speed levels, from 18,000 RPM for nail polishing to 38,000 RPM for wood chiseling.

## How to Install Bits



**1** Loosen the Screw  
(additional 5 screws are included)



**2** Insert the Bit



**3** Tighten the Screw



Image: A collage showcasing the HARDELL Engraving Pen's capability to engrave on over 50 surfaces, including stone, glass, plastic, ceramic, eggshells, wood, gemstones, and metal.

[Demonstration Video](#)

Watch this video for a visual guide on the HARDELL Engraving Pen's features and various applications.

Your browser does not support the video tag.

Video: A demonstration of the HARDELL Engraving Pen in use, showcasing its versatility on materials like glass, metal, leather, wood, and clay, as well as its drilling and sanding capabilities. It also highlights the LCD speed indicator and high concentricity.

## 5. MAINTENANCE

### Cleaning

- Always ensure the tool is turned off and disconnected from any power source before cleaning.
- Use a soft, dry cloth to wipe down the body of the engraving pen.
- Remove any dust or debris from the chuck and bit area using a small brush or compressed air.
- Clean engraving bits after each use to maintain their sharpness and effectiveness.

### Storage

- Store the engraving pen and its accessories in a clean, dry place, away from direct sunlight and extreme temperatures.
- Keep the tool in its original packaging or a protective case to prevent damage.
- Ensure the battery is partially charged (around 50%) before long-term storage to prolong battery life.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Pen does not turn on.	Low battery or no charge.	Charge the engraving pen fully using the Type-C cable.
Bit is loose or wobbles.	Screw not tightened sufficiently.	Ensure the bit is properly inserted and the chuck screw is securely tightened with the hex key.
Reduced engraving performance.	Dull or incorrect bit for the material.	Replace the bit with a new one or select a bit appropriate for the material. Adjust speed setting.
Pen overheats.	Prolonged continuous use or excessive pressure.	Allow the tool to cool down. Reduce continuous operating time and apply less pressure during use.

## 7. SPECIFICATIONS

Feature	Detail
Brand	HARDELL
Model Number	DKB42501SILHD-1
Power Source	Battery Powered (Rechargeable)

Feature	Detail
Battery Type	1 Lithium Ion battery (included)
Battery Capacity	2000mAh
Charging Port	USB-C
Voltage	4V
Speed Settings	6 Variable Speeds
Minimum Rotational Speed	18,000 RPM
Maximum Rotational Speed	38,000 RPM
Special Features	Cordless, Portable, Variable Speed, LED Light, Brushless Motor, Dual Bearings
Included Components	41 accessories
Item Dimensions	6.3 x 8.7 x 1.8 inches

**HARDELL**

## Type-C Rechargeable Electric Engraving Pen

- 2000mAh Large Capacity
- Type-C Recharge
- Low Noise
- High Adjustable Speed 38000RPM
- Longer Working Time
- 41PCS Accessories

Image: An internal view of the HARDELL Engraving Pen, emphasizing its 38,000 RPM high-speed rotation, stable operation at high speeds, and ability to maintain a lower body temperature.

**Brushless Motor +30%**

**High Speed Rotation 38000 RPM**

**Nice Gift**

**Dual Bearings**

**Longer Battery Life**

Image: The HARDELL Engraving Pen alongside its packaging, emphasizing its 4V brushless motor for longer life and reduced accessory costs.

## 8. WARRANTY AND SUPPORT

### Manufacturer Warranty

The HARDELL Engraving Pen comes with a **1-Year Manufacturer Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accidents, unauthorized repairs, or normal wear and tear.

### Customer Support

If you encounter any issues with your HARDELL Engraving Pen or have questions not addressed in this manual, please contact HARDELL customer support. Have your model number (DKB42501SILHD-1) and purchase information ready for faster service.

For the most up-to-date support information, please visit the official HARDELL website or refer to your purchase platform.