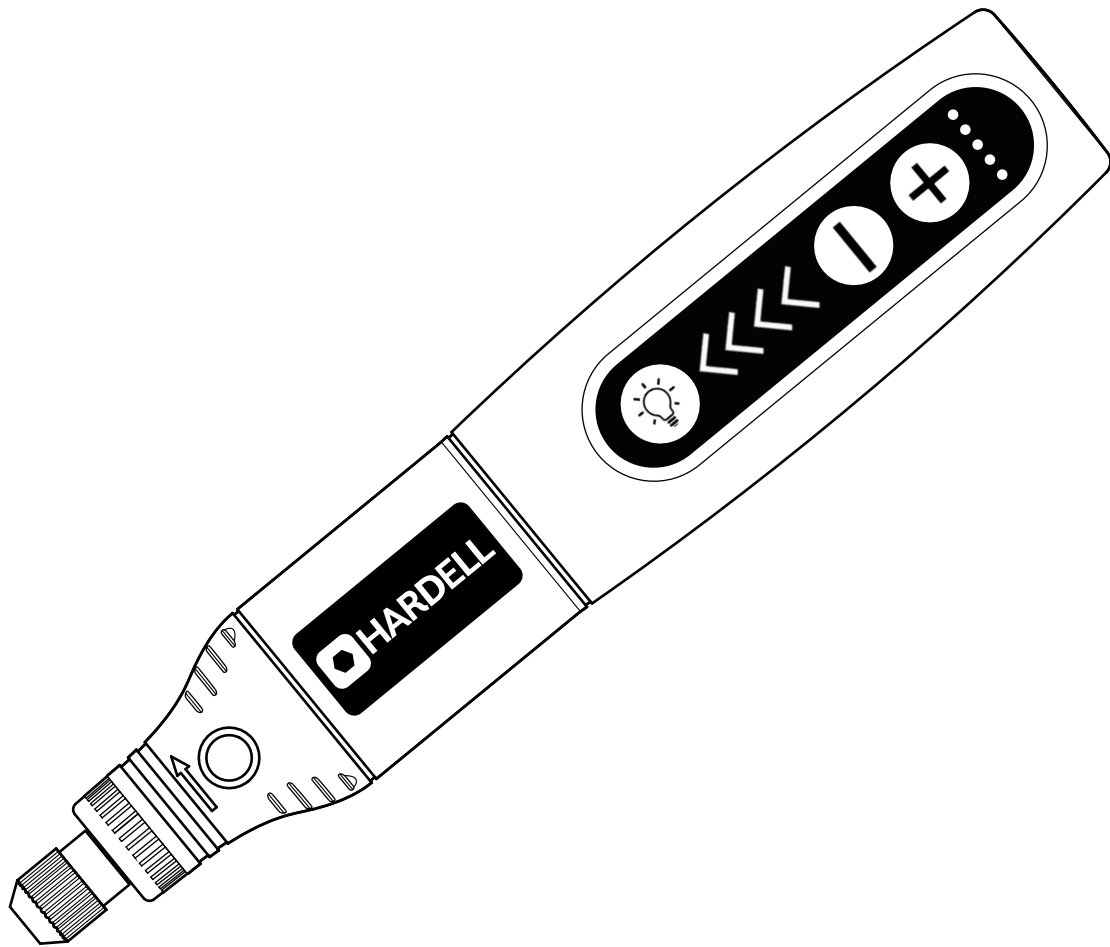




## Mini Cordless Rotary Tool

### Operator's Manual



Thank you for purchasing this product. To ensure proper use and trouble-free operation, please read this guide carefully before operating. If there is any issue, please contact us via Amazon or email:

[hardell.service@gmail.com](mailto:hardell.service@gmail.com), we will help you within 12 hours.

# Customer Questions & Answers

## **Q1: Is the charging display abnormal?**

A1: Please scan the QR code to view video instructions.

Note: Please charge it when using it for the first time. Please use a 5V 2A charging head. After using it for half an hour, please let the machine rest for 10 minutes.



## **Q2: How to replace the collet?**

A2: Please scan the QR code to view video instructions.

Please tighten the black nut.



## **Q3: How to install bits?**

A3: Please scan the QR code to view video instructions.



#### **Q4: How to install a sand drum?**

A4: Please scan the QR code to view video instructions.



#### **Q5: How to install a cutting disc?**

A5: Please scan the QR code to view video instructions.



#### **Q6: What is the usage scenario for each accessory.**

A6: Please scan the QR code to view video instructions.



#### **Q7: Why does it stop when using it?**

A7: This is a built-in function of the product itself: overload protection. When the machine encounters excessive pressure, in order to protect the motor, it will stop rotating within 1 second to prevent damage to the motor, and then restart the motor. If it doesn't work for other reasons, please contact us via email and we will help you.

### **Q8: What if accessories are missing?**

A8: Because the accessories are hand-selected, there may be slight errors, please contact us via email and we will help you.

### **Q9: When buying more accessories, what size shaft?**

A9: The cordless rotary tool comes with collets in  $\Phi 2.3\text{mm}$  and  $\Phi 1.6\text{mm}$  sizes, which can be used on our cordless rotary tool as long as the shaft size of the attachment matches.  
HARDELL brand accessories are available.

### **Q10: What are the sizes of the drill bits?**

A10: We have 4 HSS drill bits in  $\Phi 1.0\text{mm}$ ,  $\Phi 1.6\text{mm}$  and  $\Phi 2.3\text{mm}$  sizes. You can choose different drill bits according to your drilling needs.

### **Q11: What materials can I drill/cut/carve/polish/sand with it?**

A11: Please refer to page 5 of the manual Widely Application. Note that this mini rotary tool is only suitable for small DIY projects. If forced to cut and drill on hard items will damage the motor.

### **Q12: What is the grit size of the sanding bands?**

A12: 60 Grit Mesh and 120 Grit Mesh.

### **Q13: What is the warranty on this?**

A13: The product supports a 1 year warranty from the date of purchase. The warranty does not apply to products which have been lost, altered, broken or damaged by misuse or failure to follow the instruction provided with the product. Never try to repair the product by yourself. Please contact our after-sales team, we are free to help you solve the problem anytime.

# Product Descriptions

## Components



1. Nut (Collets -  $\phi 1.6\text{mm}$  /  $2.3\text{mm}$ )
2. Spindle Locking Button (DON'T press it when the device is running)
3. Switch & Speed Adjustment Button(5 levels)
4. Type-C Charging Port
5. Heat Dissipation Holes( Dissipate the heat produced by the motor operation)
6. LED Working Light
7. Speed Settings: 5

## Specification

Charging voltage: DC 4V

Battery Capacity: 2000mAh Li-ion

No Load Speed

(5000/8000/11000/14000/18000RPM)

Collet Size:  $\phi 1.6\text{mm}/\phi 2.3\text{mm}$

Charge time: 120-240min

(Fully charged, the indicator light turns green)

Working time: 120min(no load)

Weight: 0.3kg

## About charging

Connect the power supply (DC 4V), Insert USB C into the machine.

**Green light**=Charging    **Green light**=Charging completed

Charger will automatically stop charging the battery when charging is completed.

**NOTE!** A battery pack that has been unused for a while or never been charged must be charged before reuse or first use.

**CAUTION!** Do not charge a battery for a second time in close succession. There is a danger of overcharging the battery pack.

# Package Includes

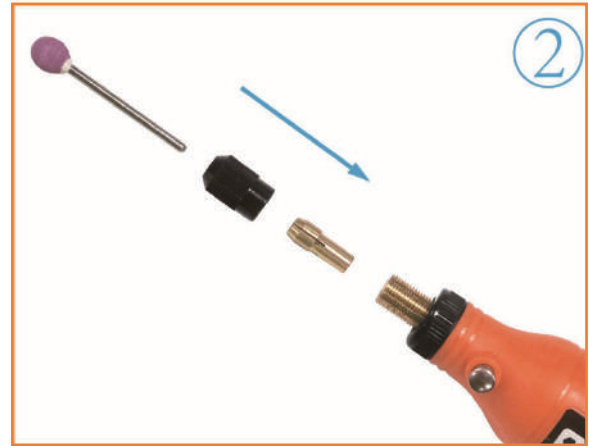


**NOTE:** The product contains a total of 3 collets, Size:  $\phi 1.6\text{mm}/\phi 2.3\text{mm}$   
Usually, there is already a 2.3 mm collet on the rotary tool

# How to Use



1. Press down the spindle locking button and unscrew the nut



2. Choose the suitable collet and put the black nut

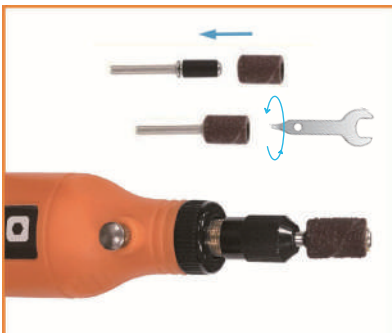


3. Insert the bits you need and secure them by holding the lock.



4. Do not press the spindle lock button or tighten the nut when the motor is running.

**ATTENTION:** Ensure that the shaft size of the attachment matches the collet. Mismatched sizes can result in vibrations and loss of control.



## How to fit a sanding band

1. Unscrew the nut of the sanding drum.
2. Install the sanding band.
3. Tighten the nut of the sanding drum using wrench.



## How to fit the HSS cutting disc/Sanding paper

1. Unscrew off the nut of the mandrel.
2. Install the cutting disc/sanding paper with 1 red washer on each side.
3. Tighten the nut of the mandrel to finish installation.

# Widely Application

| Function             | Types of Artworks for Creation                                                                   |
|----------------------|--------------------------------------------------------------------------------------------------|
| Sanding              | Suitable for sanding work on Softwood/ Aluminum/ Plastic/ Brass/ Stone/ Shell/ Ceramic etc.      |
| Grinding             | Suitable for grinding work on Aluminum/ Steel/ Brass/ Stone/ Shell/ Ceramic etc.                 |
| Engraving / Carving  | Expertise in engraving on Glass/ Soft Wood/ Aluminum/ Plastic/ Brass/ Stone /Shell/ Ceramic etc. |
| Drilling             | Suitable for drilling on Softwood/ Aluminum/ Plastic / Shell/ Jadeite/ Agate/ Jade etc.          |
| Polishing / Cleaning | Suitable for polishing on Glass/ Soft Wood/ Aluminum/ Plastic/ Brass/ Stone/ Shell/ Ceramic etc. |
| Cutting              | Suitable for cutting on Softwood/ Aluminum etc.                                                  |

**ATTENTION:** Not for Heavy-duty Projects !!!



# Safety Instructions

## Warning!!!



Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

1. Before using the tool, ensure that it is ready and safe to use!
2. Do not use in wet condition and environment.
3. Never use the tool near to flammable gas or liquids.
4. Do not force to operate the device when it slows down or stops turn it off and finish the work process.
5. Wear glasses while using the tool.
6. Do not touch the drill/grinding tip during operation (even if it is in low speed) because it can cause injury!
7. Keep this product away from children.
8. Use this power tool and accessories following the instructions.

## Cleaning

Always remember to pull out the mains power plug before starting any cleaning work.

- Keep all safety devices, air vents, and the motor housing as free of dirt and dust as possible. You can wipe the equipment with a clean cloth or blow it with compressed air at a low pressure.
- It is recommended to clean the device immediately after each use.
- Regularly clean the equipment with a damp cloth and mild soap. Avoid using cleaning agents or solvents, as they may damage the plastic parts of the equipment. Ensure that no water can seep into the device.

## Environmental Protection



Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.

### FCC Statement ( For US/CA market only)

This device complies with part 15 of the FCC rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

## Warranty

The product supports a 1-year warranty from the date of purchase.

This warranty does not apply to products that have been lost, altered, broken, or damaged by misuse or failure to follow the instruction provided with the product. Never try to repair the product by yourself. For any inquiries concerning our products, please contact our after-sales team via [hardell.service@gmail.com](mailto:hardell.service@gmail.com), we are free to help you solve your problem anytime.

**Made in China**





## ★ ★ ★ Rotary Tool Kit ★ ★ ★

DC



3.7V



4V



8V



12V

AC



18V



130W



160W



180W

# Rotary Tool Kit Accessories



HOT

230PCS



HOT

282PCS



HOT

346PCS



NEW

508PCS

## Rivet Nut Tool



HOT

14 Inch



HOT

14 Inch  
(blind rivet)



NEW

14 Inch

## Digital Caliper



HOT

6 Inch



HOT

6 Inch



NEW

12 Inch



NEW

12 Inch

# Mini Chainsaw



4/6 Inch in one



4 Inch



6 Inch



Brushless

## Laser Level



16 Line



2 Line

## Glue Gun



AC



DC Cordless

## Engraver



15W



24W



Pen size

