

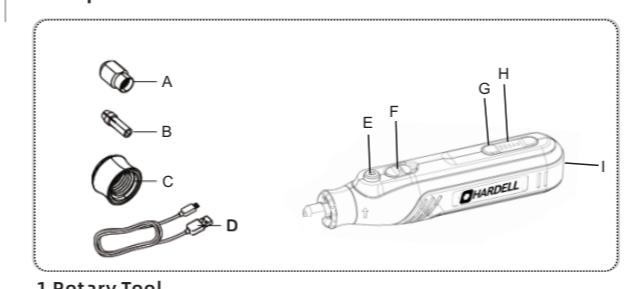


**HARDELL**  
4V Cordless Rotary Tool Kit  
User Manual

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.

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**Component List**



**1. Rotary Tool**

NO	Component	NO	Component
A	Locking Collar	F	On/Off Switch
B	Collect	G	Speed adjustment button
C	Chuck Housing	H	Speed indicator indicator
D	Charging cable	I	Charging port
E	Spindle Lock Button		

**About charging**  
Connect the power supply (DC4V). Insert USB into the machine. Charging complete= H(Electricity indicator) five green lights charging= H(Electricity indicator) green light flashing  
**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.

**TOOL TECHNICAL DATA**  
Rated Voltage: 4V DC  
Battery Capacity: 2000Ah Li-Ion  
Charger Time: 2-3h  
5 Setting Speed (with 5 LED speed indicator): 5000-25000rpm  
Collect size: ø3.2mm  
Charging cable: USB C

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**2. Accessories List (101pcs)**

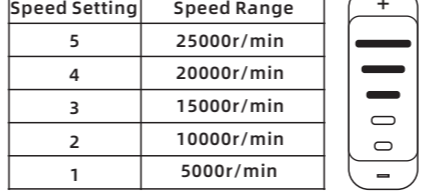
NO	Accessory Name	Quantity	Diameter Shanks	Application
1	Sanding paper	40pcs	Ø	Use to sand wood, metal and jade
2	Cut off wheel	30pcs	Ø	Use to cut wood, metal, plastic, jade and glass
3	Sanding band	40pc	Ø	Use to sand wood, metal, plastic and jade
4	Grinding wheel with shank	40pc	ø3.2mm	Scrap for grinding metal, glass, wood, plastic, jade and ceramic.
5	Diamond bit	40pc	ø3.2mm	Use to engrave jade, metal, glass, wood, plastic
6	Felt wheel	20pc	Ø	Use to polish jade, glass, wood, plastic and metal
7	Stainless cut-off wheels	20pc	Ø	Use to cut wood, metal, plastic, jade and glass.
8	Hss cutter	20pc	ø3.2mm	Use to shape and hollow most metals, plastic and woods.
9	Hss drill	10pc	ø3.2mm	Use to drill soft material such as plastic, wood and floor glass.
10	Mandrel for cut off wheel	10pc	ø3.2mm	Used in combination with cutting off wheels.
11	Mandrel for felt wheel	10pc	ø3.2mm	Used in combination with felt wheels.
12	Steel brush	10pc	ø3.2mm	Use to rough polishing of metal, jade, wood.
13	Sanding drum kit	10pc	ø3.2mm	Used in combination with sanding bands.
14	Diamond cut-off wheel	10pc	Ø	Used to cut wood, metal, plastic, jade, glass.
15	Spanner	1pc	Ø	Use to tighten or loosen collect/ screws on top of sanding drum and mandrel.

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**OPERATING INSTRUCTIONS**

**1.Speed control**  
Use the speed adjustment button “+” or “-” to adjust the speed. This tool has five speed settings (see below list). Push the on/off switch forward to turn on the tool. Push backward the on/off switch will turn off the tool. The battery indicator will light up according to the tool speed.  
**Warning!** Do not put the tool down while the motor is still running. And too much load at low speed will burn out the engine.

Speed Setting	Speed Range
5	25000r/min
4	20000r/min
3	15000r/min
2	10000r/min
1	5000r/min

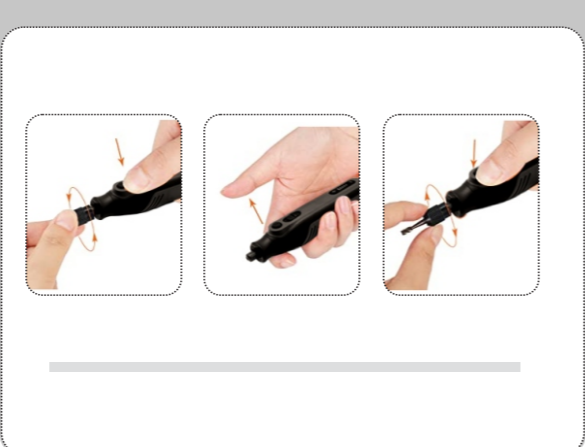


Do not use wire brushes at speed greater than 15000 rpm, or the bristles may fly off from brush and cause injury. And recommend polish plastic or precious metal (gold and silver), carve exquisite wood or brittle materials with a very light touch at low speed.  
Recommend drill and cut hard wood, metal or glass at high speed. Use different accessories for different materials at suitable speed. Ultimately, the best way to determine the correct speed to process any material is to practice on a piece of debris.

**2.Change the collect**  
The collet is able to stabilize the attachment at high rotation speeds. Press and hold the Spindle Lock Button, use the Wrench to release the Locking Collar until the Locking Collar can be removed, then remove the old collect and replace it with the new collect, finally install the Locking Collar and use the wrench to tighten it.

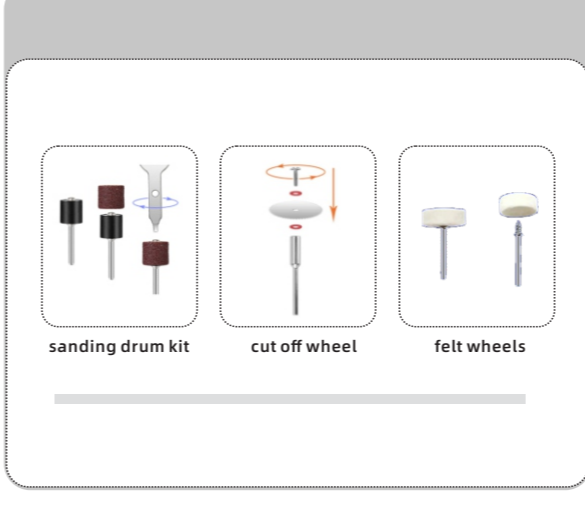
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**3.Assemble & Disassemble Accessories**  
Press and hold the spindle lock button, use the wrench to loosen the Locking Collar, and disassemble the accessory.  
**Note!** Turn the tool off and ensure that the rotating part is stopped before taking next step.  
**Note!** Replace the accessories by inserting them into the collect as far as possible to minimize exhaustion and imbalance.  
**Warning!** Do not press the spindle lock button when the motor is running.



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**4.How to Use mandrels**  
Mandrels are shanks with a threaded screw head used for, cut-off wheels, sanding bands, and felt wheels. Details see below figures.



sanding drum kit    cut off wheel    felt wheels

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**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 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 Personal Protective Equipment while using the tool, such as ear defenders, eye protection, safety gloves and a dust mask.
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. Please send the waste batteries to the local battery collection point, do not throw away the batteries together with household garbage.
9. This product has been marked with a symbol relating to removing electric and electronic waste. The product should not be discarded with household waste but must be returned to a collection system which conforms to the European Directive 2012/19/EU. It will then be recycled or dismantled in order to reduce the impact on the environment. Electric and electronic equipment can be hazardous for the environment and for human health since they contain hazardous substances.

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**Cleaning and maintenance**  
Always pull out the mains power plug before starting any cleaning work.  

- Keep all safety devices, air vents and the motor housing free of dirt and dust as far as possible.
- Wipe the equipment with a clean cloth or blow it with compressed air at low pressure.
- We recommend that you clean the device immediately each time you have finished using it.
- Clean the equipment regularly with a moist cloth and some soft soap. Do not use cleaning agents or solvents; these could attack the plastic parts of the equipment. Ensure that no water can seep into the device.

**ENVIRONMENTAL PROTECTION**  
Waste electrical products must not be disposed of with household waste. Please recycle where facilities exist. Check with your local authorities or retailer for recycling advice.

**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.

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