

Fanttik K2 Nano

Fanttik K2 Nano Power Drill User Manual

Model: K2 Nano

1. INTRODUCTION

Thank you for choosing the Fanttik K2 Nano Power Drill. This mini precision drill is designed for intricate DIY projects, offering exceptional performance and versatility for various materials. Please read this manual thoroughly before operation to ensure safe and efficient use.

What's in the Box?

The Fanttik K2 Nano Power Drill package includes the following components:

- 1 x NEX K2 Nano Precision Power Drill
- 1 x Premium Magnetic Storage Box
- 20 x High-Speed Steel (HSS) Drill Bits (ranging from 0.6mm to 3.2mm)
- 1 x Chuck Accessories
- 1 x USB-C Charging Cable
- 1 x User Manual

WHAT'S IN THE BOX?



Image: All components included in the Fanttik K2 Nano Power Drill package, neatly laid out next to the storage case.

2. PRODUCT OVERVIEW

The Fanttik K2 Nano Power Drill features a sleek design with powerful capabilities:

- **High-Performance Motor:** Delivers a maximum torque of 0.6N·m and a top speed of 1300 RPM.
- **Dual-Speed Switch:** Offers a 250 RPM high-torque mode for tough materials and a 1300 RPM high-speed mode for softer materials.

- **Extended Runtime:** Equipped with an 800mAh high-capacity battery for prolonged use.
- **Type-C Charging:** Ensures broad compatibility and rapid recharging.
- **Knob Control with LED Feedback:** Mechanical knob for precise speed adjustments and a color LED light bar for real-time status indication.



Image: The Fanttik K2 Nano Power Drill alongside its magnetic storage case, showcasing the compact design and included drill bits.

NEOPULSE™

Powerful Motor

+116%
Than Spur Gear

An X-ray view of a drill's Neopulse motor, showing the internal components including the stator, rotor, and gears. The motor is illuminated with blue light, highlighting its powerful internal components. The drill bit is visible at the front.

1300 RPM

Image: An X-ray view of the drill's Neopulse motor, highlighting its powerful internal components and 1300 RPM capability.

DUAL-MODE



Image: Two panels illustrating the dual-mode operation: 'H' for high speed (1300 RPM, 0.15 N·m) on wood, and 'L' for low speed (250 RPM, 0.6 N·m) on metal.

3. SETUP

Inserting Drill Bits

1. **Loosen the Chuck:** Gently twist the chuck counter-clockwise to loosen it.

2. **Insert the Drill Bit:** Carefully insert the desired HSS drill bit into the chuck. Ensure it is seated firmly.
3. **Tighten the Chuck:** Twist the chuck clockwise to securely tighten it around the drill bit. Ensure the bit is firmly held before operation.



Image: A step-by-step visual guide demonstrating how to loosen the chuck, insert a drill bit, and tighten the chuck. Also shows the speed switch and on/off button.

4. OPERATING INSTRUCTIONS

Power On/Off and Speed Control

- **Power On:** Press and hold the power button to turn on the drill.
- **Adjust Speed:** Use the mechanical knob to select between the high-torque (L) and high-speed (H) modes. The LED light bar will provide visual feedback on the current status.
- **Continuous Mode:** Double-click the power button to activate continuous operation. Double-click again to deactivate.
- **Power Off:** Press and hold the power button to turn off the drill.

Drilling Techniques

- Always ensure the drill bit is sharp and appropriate for the material.
- Apply steady, even pressure. Avoid excessive force, especially with delicate materials.
- For hard materials, use the low-speed, high-torque mode. For softer materials, the high-speed mode is suitable.
- Clear debris regularly to prevent clogging and overheating.

Your browser does not support the video tag.

Video: This video demonstrates various usage scenarios for the Fanttik K2 Nano Mini Power Drill, including drilling into plastic, wood, shells, and aluminum, showcasing its versatility and precision.

IDEAL FOR PRECISION TASKS



Image: Four panels showing the Fanttik K2 Nano drill being used for precision tasks on different materials: PCB, shell, aluminum plate, and plastic.

5. MAINTENANCE

- **Cleaning:** After each use, wipe the drill body with a clean, dry cloth. Remove any dust or debris from the chuck and ventilation areas.
- **Bit Care:** Ensure drill bits are clean and free of material residue. Store them in the provided magnetic storage

box to prevent damage and loss.

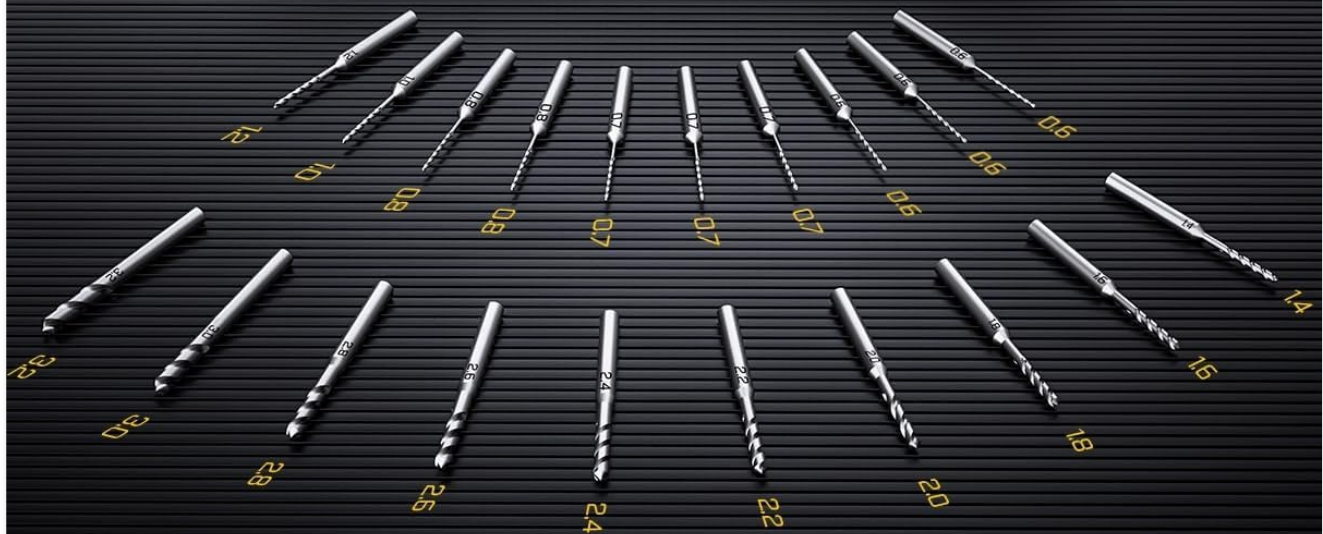
- **Charging:** Charge the drill using the provided USB-C cable. Avoid overcharging or completely draining the battery for optimal lifespan.
- **Storage:** Store the drill and its accessories in the magnetic storage box in a cool, dry place away from direct sunlight and extreme temperatures.

EXQUISITE STORAGE CASE



Image: A hand placing a drill bit back into the exquisite magnetic storage case, highlighting the organized compartments for the 20 HSS drill bits.

20 HSS DRILL BITS



Drill Size : **0.6-3.2** mm

Drill Bit Length : **1.38"**

Image: A detailed view of the 20 high-quality HSS drill bits, ranging from 0.6mm to 3.2mm in size, arranged on a dark background.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Drill not turning on	Low battery; Power button not pressed correctly	Charge the drill; Press and hold the power button firmly
Drill bit not spinning or spinning slowly	Chuck not tightened; Incorrect speed mode for material; Obstruction	Tighten the chuck; Switch to appropriate speed mode; Clear any obstructions
Drill bit wobbles	Drill bit not inserted correctly; Damaged drill bit	Re-insert and tighten the drill bit; Replace with a new drill bit
Battery not charging	Faulty cable or adapter; Charging port issue	Try a different USB-C cable and adapter; Contact customer support

7. SPECIFICATIONS

Feature	Detail
Brand	Fanttik
Model	K2 Nano
Material	Aluminum, Plastic
Power Source	Battery Powered
Voltage	3.7 Volts (DC)
Item Weight	13.4 ounces
Product Dimensions	8.03"L x 2.99"W x 1.57"H
Battery Capacity	800 Milliamp Hours (Li-Ion)
Max Torque	0.6 N·m
Max Speed	1300 RPM
Drill Bit Sizes	0.6mm to 3.2mm (20 HSS bits)

8. WARRANTY & SUPPORT

Fanttik products are built with quality and durability in mind. For specific warranty information and terms, please refer to the warranty card included with your product or visit the official Fanttik website.

If you encounter any issues or have questions regarding your Fanttik K2 Nano Power Drill, please contact Fanttik Customer Support through their official channels. Provide your product model and purchase details for faster assistance.

For additional resources, you may also refer to the official [User Manual \(PDF\)](#) available online.