

ADILIKADII MX6HG240703

ADILIKADII 3.7V Cordless Mini Rotary Tool Set

Model: MX6HG240703 - User Manual

INTRODUCTION

Thank you for choosing the ADILIKADII 3.7V Cordless Mini Rotary Tool Set. This versatile tool is designed for various DIY projects, including carving, sanding, grinding, polishing, and cutting. This manual provides essential information for safe and efficient operation, maintenance, and troubleshooting.

ADILIKADII

Juego de Herramientas

Rotativas 3.7V

5 Velocidades

Recarga Rápida USB

150 Accesorios

Iluminación

Image: The ADILIKADII 3.7V Cordless Mini Rotary Tool, highlighting its 5 adjustable speeds (3000-15000 RPM), powerful motor, regulated speed, fast charging, and long endurance.

PRODUCT OVERVIEW

Key Features

- Cordless Design:** Offers portability and convenience for various tasks.
- Adjustable Speeds:** 5 speed settings (3000/6000/9000/12000/15000 RPM) for precision control.
- LED Indicator:** Clearly displays the selected speed.
- USB Charging:** Fast and convenient charging via a Type-C USB port.
- Long Battery Life:** 3.7V 2000mAh rechargeable battery provides 2-3 hours of operation.
- Integrated LED Light:** Illuminates the work area, reducing shadows for improved visibility.

- **Lightweight & Ergonomic:** Weighs only 0.13KG (131 grams) for comfortable, fatigue-free use.
- **Durable Construction:** Equipped with a high-quality copper wire motor and a full copper clip core for stable and precise accessory clamping (0.5-3.2 mm range).

Included Accessories (150 Pieces)

The set includes a comprehensive range of 150 accessories for various applications. These allow for quick and easy changes to suit your specific project needs.



Image: A detailed breakdown of the 150 accessories included with the mini rotary tool, categorized by function such as cutting, carving, drilling, cleaning, polishing, grinding, and sanding. It also shows the power cable and a storage box.

- **Cutting:** Cutting discs (HSS), cutting wheels.
- **Carving/Engraving:** Diamond burr bits.
- **Drilling:** HSS twist drills.
- **Cleaning/Polishing:** Wire brushes, wool polishing wheels, felt wheels.
- **Grinding/Sharpening:** Abrasive stones.
- **Sanding:** Sanding bands, sanding drums.
- **Other:** Mandrels, collets (0.5-3.2mm), dressing stone, power cable, storage box.

SETUP

Charging the Tool

Before first use, fully charge the rotary tool. The tool features a 3.7V 2000mAh rechargeable battery, providing up to 2-3 hours of continuous operation on a full charge. It is equipped with an intelligent control circuit board for overheat and overload protection.

1. Locate the Type-C USB charging port on the end of the tool.
2. Connect the provided USB charging cable to the tool and to a compatible USB power source (e.g., wall adapter, power bank, computer USB port).
3. The LED indicator lights will show the charging status. Once fully charged, the indicator will change or turn off depending on the model.

03

Luz LED

Con luces LED, se puede ver claramente en la oscuridad, no lastimar los ojos.



04

Puerto de carga Tipo-C

Con cable de carga USB para facilitar la carga



Image: A detailed view highlighting the integrated LED light for illuminating the work area and the convenient Type-C USB charging port.

Batería de Gran Capacidad 2000mAh para uso prolongado



Image: An illustration emphasizing the large capacity 2000mAh battery, capable of providing up to 180 minutes of use.

Installing Accessories

The tool features a quick disassembly and installation mechanism for changing accessories. The metal clip and collet system ensures a secure hold for bits ranging from 0.5mm to 3.2mm.

Desmontaje e Instalación Rápido

1

Presione el botón de bloqueo del eje y desenrosque la tuerca.



2

Elija el collarín adecuado y coloque la tuerca negra. Instale los accesorios que necesite sustituir.



3

Presione de nuevo el bloqueo del husillo, apriete la pinza metálica y disfrute de su trabajo.



1

2

3

4



Cómo montar una banda de lija

1

2

3

4



Cómo montar el disco de corte/papel de lija HSS

Image: A visual guide demonstrating the quick disassembly and installation process for accessories. It shows pressing the spindle lock button, unscrewing the collet nut, inserting the desired accessory, and tightening the nut. Separate diagrams illustrate mounting a sanding band and an HSS cutting disc.

1. **Step 1:** Press and hold the spindle lock button located near the collet.
2. **Step 2:** While holding the button, unscrew the collet nut counter-clockwise.
3. **Step 3:** Select the appropriate collet for your accessory (0.5-3.2mm range) and insert it into the tool if not already present.
4. **Step 4:** Insert the shank of the desired accessory (e.g., sanding band, cutting disc, drill bit) into the collet. Ensure it is seated firmly.
5. **Step 5:** While still holding the spindle lock button, screw the collet nut clockwise until the accessory is securely fastened. Do not overtighten.
6. **Step 6:** Release the spindle lock button. Gently pull on the accessory to ensure it is locked in place before operation.

OPERATING INSTRUCTIONS

Powering On and Adjusting Speed

The rotary tool features a simple control panel for power and speed adjustments.



Image: A split image showing the robust and precise metal clip mechanism for securing accessories, and the control panel with '+' and '-' buttons for adjusting between 5 speeds (3000/6000/9000/12000/15000 RPM), indicated by LED lights.

1. **Power On:** Press the power button (usually the central button) to turn on the tool. The LED indicator will light up, showing the current speed setting.
2. **Adjust Speed:** Use the '+' and '-' buttons to cycle through the 5 available speed settings (3000, 6000, 9000, 12000, 15000 RPM). The LED indicator will change to reflect the selected speed.
3. **Power Off:** Press the power button again to turn off the tool.

Always select a suitable speed for the material and accessory being used. Lower speeds are generally for polishing and delicate work, while higher speeds are for cutting and grinding.

General Usage Tips

- Always wear appropriate safety gear, including eye protection, gloves, and a dust mask, especially when working with materials that produce dust or debris.
- Secure your workpiece firmly to prevent movement during operation.
- Apply light, consistent pressure. Let the tool do the work. Excessive force can damage the tool or the workpiece.

- Keep the tool moving to prevent overheating the material or accessory.
- Utilize the integrated LED light for better visibility in dimly lit areas or for intricate work.



Image: Examples of multiple use scenarios for the rotary tool, demonstrating its versatility in tasks such as polishing, deburring, buffing, carving, drilling, and cutting on different materials.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your ADILIKADII rotary tool.

- **Cleaning:** After each use, disconnect the tool from any charging cable and clean the exterior with a soft, dry cloth. Use a small brush or compressed air to remove dust and debris from vents and the collet area.
- **Accessory Care:** Clean accessories after use. Store them properly in the provided storage box to prevent damage and loss. Replace worn or damaged accessories promptly.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Charge the tool regularly, even if not in use for extended periods (e.g., once every 3-6 months). Store the tool in a cool, dry place.
- **Storage:** Store the tool and its accessories in a clean, dry environment, away from direct sunlight, moisture, and extreme temperatures.
- **Inspection:** Periodically inspect the tool for any signs of damage, loose parts, or wear. Do not operate a damaged tool.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not turn on.	Battery is discharged.	Charge the battery fully using the provided USB cable.
Tool stops during operation.	Battery is low or tool is overloaded.	Recharge the battery. Reduce pressure on the workpiece. Allow the tool to cool down if it feels hot.
Accessory is loose or wobbles.	Collet nut not tightened sufficiently or incorrect collet size.	Ensure the collet nut is tightened securely. Verify that the correct collet size (0.5-3.2mm) is used for the accessory shank.
Reduced performance or power.	Battery is low or accessory is dull/worn.	Recharge the battery. Replace the accessory if it is dull or worn out.
Tool overheats.	Continuous heavy use or blocked ventilation.	Allow the tool to cool down. Ensure ventilation slots are clear of debris. Avoid prolonged heavy use.

If you encounter issues not listed here or if the problem persists, please contact customer support.

SPECIFICATIONS

Feature	Detail
Brand	ADILIKADII

Feature	Detail
Model Number	MX6HG240703
Power Source	Battery Powered (Cordless)
Battery Type	3.7V Rechargeable Lithium-ion
Battery Capacity	2000mAh
Charging Port	Type-C USB
Speed Settings	5 adjustable speeds
Rotational Speed Range	3000 - 15000 RPM
Collet Capacity	0.5 - 3.2 mm
Item Weight	131 Grams (0.29 lbs)
Item Dimensions (L x W x H)	10.5 x 4.6 x 20 cm (4.13 x 1.81 x 7.87 inches)
Included Accessories	150 pieces (cutting, sanding, grinding, polishing, carving, drilling)
Special Features	Lightweight, LED work light, LED speed indicator, Overheat/Overload protection
Recommended Uses	Carving, Sanding, Grinding, Polishing, Cutting

WARRANTY AND SUPPORT

ADILIKADII products are manufactured to high-quality standards. For warranty information or technical support, please refer to the product packaging or contact ADILIKADII customer service through the retailer where the product was purchased. Please retain your proof of purchase for any warranty claims.

For further assistance, you may visit the ADILIKADII store on Amazon:[ADILIKADII Store](#)

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