

Homtronics TPR1

Homtronics 8V Cordless Rotary Tool Instruction Manual

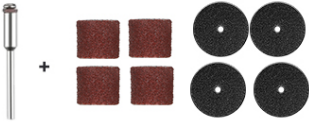
Model: TPR1 | Brand: Homtronics

1. INTRODUCTION

Thank you for choosing the Homtronics 8V Cordless Rotary Tool. This versatile power tool is designed for a wide range of applications, including polishing, grinding, carving, sanding, cutting, and drilling. Its cordless design, adjustable speeds, and comprehensive accessory set make it ideal for both intricate DIY projects and more demanding tasks. Please read this manual carefully before use to ensure safe and optimal operation.

DESCRIPCIÓN DE LOS ACCESORIOS

Ilijado



Cinturón de lijado Discos de lija

Grabado



Fresas para Madera Fresas de diamante

Perforación



Broca de acero rápido

Accesorios



Mandriles para discos de corte Pinzas Vástagos de lijado

Afilado



Piedra de afilar

Corte



Cuchillas de corte de doble malla Cuchillas para tabiquería seca Discos de corte de diamante

Pulido / Limpieza



Cepillos de acero inoxidable Cepillos de Cerdá Ruedas de fieltro



Mandriles para discos de fieltro Llaves

Image: Homtronics 7.2V Cordless Mini Drill banner highlighting key features.

2. SAFETY INFORMATION

Always prioritize safety when operating power tools. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Eye Protection:** Always wear appropriate eye protection (safety glasses or goggles) to shield against flying debris.

- **Work Area:** Keep your work area clean, well-lit, and free from clutter. Do not operate in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Electrical Safety:** Do not expose power tools to rain or wet conditions. Avoid body contact with earthed or grounded surfaces.
- **Tool Handling:** Do not force the tool. Use the correct tool for your application. Keep hands and loose clothing away from moving parts.
- **Triple Protection System:** This tool features a patented anti-overload circuit to prevent burnout during high-load tasks, thermal sensors for automatic shutdown at 158 °F (70 °C), and chuck safety protection to prevent accidental activation.
- **Battery Management:** The exclusive battery management system provides over-voltage and under-voltage protection. Use only the specified Type-C charger.
- **Ventilation:** Ensure the tool's ventilation slots are clear during operation to prevent overheating.

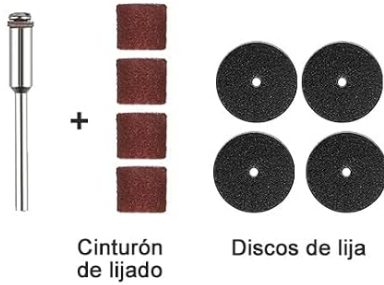
3. PACKAGE CONTENTS

The Homtronics 8V Cordless Rotary Tool package includes the following items:

- Homtronics 8V Cordless Rotary Tool (Model TPR1)
- Type-C Charging Cable
- Premium Storage Case
- 42 Professional Accessories, including:
 - Sanding belts and discs
 - Diamond bits for engraving
 - High-speed steel drill bits
 - Sharpening stones
 - Cutting wheels (double mesh, drywall, diamond)
 - Polishing/cleaning brushes (stainless steel, bristle) and felt wheels
 - Mandrels for cutting discs and felt discs
 - Sanding shanks
 - Collets (2.35mm, 3.0mm, 3.17mm)
 - Wrenches

DESCRIPCIÓN DE LOS ACCESORIOS

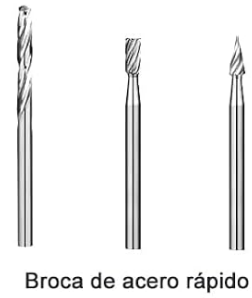
lijado



Grabado



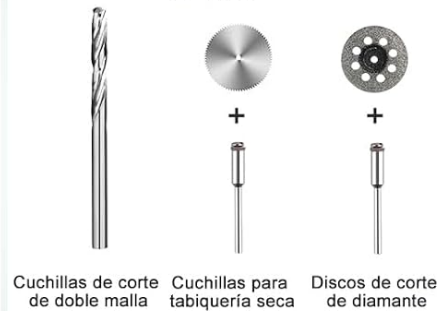
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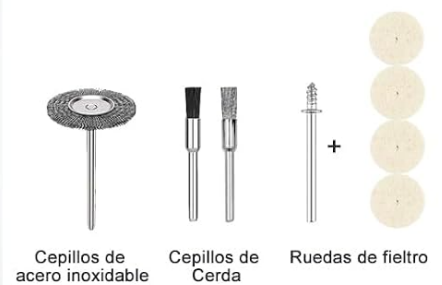
Afilado



Corte



Pulido / Limpieza



Accesorios



Image: Detailed view of the 42 included accessories.

4. PRODUCT FEATURES AND COMPONENTS

The Homtronics Rotary Tool is engineered for performance and user convenience:

- **5 Precision Speeds:** Adjustable from 10,000 to 30,000 RPM via a digital dial for precise control.
- **8V Power Output:** Delivers robust performance for various tasks.
- **2200mAh Type-C Rechargeable Battery:** Provides approximately 50 minutes of runtime and fully charges in about 70 minutes.
- **High-Precision Bearings:** Ensures concentricity of less than 0.01mm for stable and wobble-free drilling.
- **Lightweight and Durable:** Weighs only 0.57 lb (0.26 kg) with an aerospace-grade aluminum housing for efficient heat dissipation.
- **Ergonomic Design:** Features 360° ventilation grooves to reduce hand fatigue during extended use.

- **Smart Power Management:** Real-time battery percentage display, overload cut-off, deep discharge prevention, and short-circuit protection.
- **IP54 Rating:** Resists workshop dust and accidental splashes.

ALTA POTENCIA Y MULTIVELOCIDAD REGULABLE



Image: Internal and external components of the rotary tool.



Image: Key features: 5 speeds, cooling holes, ergonomic design, and 2.2Ah battery.

5. SETUP

5.1 Charging the Battery

Before first use, fully charge the rotary tool. Connect the provided Type-C charging cable to the tool's charging port and to a compatible USB power adapter (not included). The battery indicator will show charging status. A full charge takes approximately 70 minutes.

CARGA RÁPIDA TIPO-C



Batería de litio
de 7,2 V y 2,2 Ah

5 niveles de velocidad, más potente

 01	 02	 03	 04	 05
10000RPM	15000RPM	20000RPM	25000RPM	30000RPM

Image: Type-C fast charging port and speed indicator.

5.2 Installing Accessories

Follow these steps to safely install or change accessories:

1. **Step 1:** Press and hold the spindle lock button. Unscrew the collet nut.
2. **Step 2:** Select the appropriate collet for your accessory shank size (2.35mm, 3.0mm, or 3.17mm) and insert it into the tool.
3. **Step 3:** Insert the desired accessory into the collet. While still holding the spindle lock button, tighten the collet nut securely.
4. **Step 4:** Release the spindle lock button. Ensure the accessory is firmly seated before operation.



Image: Step-by-step guide for accessory installation.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off and Speed Adjustment

- **Power On:** Press the power button to turn on the tool. The digital display will show the current speed setting.
- **Adjust Speed:** Press the speed adjustment button (often integrated with the power button or a separate dial) to cycle through the 5 available speeds (10,000, 15,000, 20,000, 25,000, 30,000 RPM). Select the appropriate speed for your material and task.
- **Power Off:** Press and hold the power button to turn off the tool.

6.2 Recommended Applications

The Homtronics Rotary Tool is suitable for a variety of tasks:

- **Cutting:** Use cutting wheels for light cutting of various materials.
- **Engraving:** Diamond bits are ideal for intricate engraving on stone, glass, or metal.
- **Polishing:** Felt wheels and polishing compounds can restore shine to surfaces.
- **Grinding:** Grinding stones are used for shaping and smoothing rough edges.
- **Sanding:** Sanding bands and discs are effective for smoothing surfaces and removing material.
- **Drilling:** Use appropriate drill bits for small holes in wood, plastic, or soft metals.
- **Cleaning:** Brushes can be used for light cleaning and deburring.
- **Carving:** Various bits allow for detailed carving in wood or soft materials.

ADMITE MÚLTIPLES USOS

Adecuado para pequeños proyectos de bricolaje



Corte



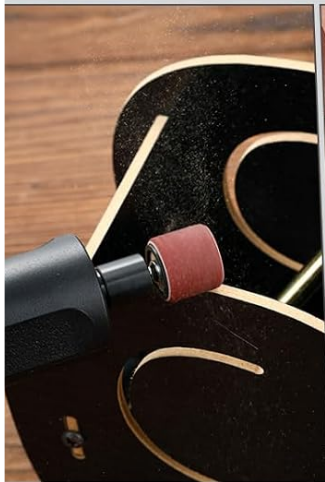
Grabado



Pulido



Esmerilado



Lijado



Taladrar



Limpieza



Tallar

Image: Examples of the rotary tool's multiple uses.



Image: Rotary tool in use for pet nail grooming and DIY projects.

7. MAINTENANCE

7.1 Cleaning

After each use, disconnect the tool from any charging cable and clean it. Use a soft, dry cloth to wipe down the tool's body. Use a small brush or compressed air to clear dust and debris from the ventilation slots and around the chuck area. Do not use harsh chemicals or abrasive cleaners.

7.2 Storage

Store the rotary tool and its accessories in the provided premium storage case in a cool, dry place, away from direct sunlight and moisture. Keep out of reach of children.

7.3 Battery Care

To prolong battery life, avoid completely discharging the battery. Recharge the tool regularly, even if not in frequent use.

Store the tool with a partial charge (around 50%) if storing for extended periods. The intelligent battery management system protects against overcharge, deep discharge, and short circuits.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not turn on.	Battery is discharged.	Charge the battery using the Type-C cable.
	Power button not pressed correctly.	Ensure the power button is pressed firmly.
Reduced performance or tool stops during use.	Overload protection activated.	Reduce pressure on the tool or use a lower speed setting. Allow the tool to cool down.
	Incorrect accessory or speed for the material.	Ensure you are using the correct accessory and speed setting for the task.
Tool overheats.	Ventilation slots are blocked.	Clear any debris from the ventilation slots. Allow the tool to cool before resuming use.
Accessory wobbles or is not secure.	Collet nut not tightened sufficiently or incorrect collet size.	Ensure the correct collet size is used and the collet nut is tightened securely.

9. SPECIFICATIONS

Feature	Specification
Brand	Homtronics
Model Number	TPR1
Voltage	8 Volts
Power Source	Battery Powered
Battery Type	2200mAh Lithium-ion (Type-C Rechargeable)
Charging Time	Approx. 70 minutes
Runtime	Approx. 50 minutes
Speed Settings	5 (10,000, 15,000, 20,000, 25,000, 30,000 RPM)
Max Rotation Speed	30,000 RPM
Min Rotation Speed	10,000 RPM
Weight	0.57 lb (0.26 kg)
Length	8.2 inches (20.8 cm)

Feature	Specification
Material	Aerospace-grade Aluminum Housing
Protection Rating	IP54 (Dust and Splash Resistant)
Special Features	5 Variable Speeds, Cordless, LED Light, Multi-purpose, Triple Protection, Real-time Battery Display
Included Accessories	42 pieces (various bits, discs, wheels, mandrels, collets, wrench)

10. WARRANTY AND SUPPORT

Homtronics is committed to providing high-quality products. This product includes a **2-year extended conservation program**, ensuring support and service for your tool.



MARCAS DE CONFIANZA



En millones de
La elección de millones de familias



150+
Disponible en más de 150 países



2 años
Programa ampliado de
conservación de 2 años

Image: Homtronics commitment to quality and warranty information.

For technical assistance, warranty claims, or general inquiries, please contact Homtronics customer support through the retailer's platform or visit our official website. Please have your model number (TPR1) and purchase information ready when contacting support.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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