

DEWINNER DE-60125-ZH

DEWINNER 1800W Wood Router Model DE-60125-ZH Instruction Manual

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, setup, and maintenance of your DEWINNER 1800W Wood Router, Model DE-60125-ZH. This electric router is designed for various woodworking tasks, including drilling, grooving, trimming, cutting, and creating curved contours. It features a powerful 1800W motor, adjustable speeds from 10,000 to 26,000 RPM, and accepts 6mm, 8mm, and 12mm collets.

2. SAFETY INSTRUCTIONS

Always adhere to general power tool safety guidelines and the following specific instructions when operating this wood router:

- **Eye Protection:** Always wear safety glasses or goggles to protect against flying debris.
- **Hearing Protection:** Use ear protection during extended operation.
- **Dust Mask:** Wear a dust mask, especially when routing wood that produces fine dust.
- **Secure Workpiece:** Always clamp your workpiece firmly to prevent movement during operation.
- **Proper Bits:** Use only router bits that are sharp, clean, and appropriate for the material and task. Ensure bits are correctly installed and tightened.
- **Power Disconnection:** Disconnect the router from the power supply before making any adjustments, changing bits, or performing maintenance.
- **Maintain Control:** Always maintain a firm grip on the router handles.
- **Clear Work Area:** Keep your work area clean and free of obstructions.
- **Avoid Overreaching:** Maintain proper footing and balance at all times.
- **Check for Damage:** Inspect the router and power cord for any damage before each use. Do not operate if damaged.

3. PACKAGE CONTENTS

Your DEWINNER 1800W Wood Router package includes the following items:

- DEWINNER 1800W Wood Router
- 12 Router Bits (various profiles)
- 3 Collets (6mm, 8mm, 12mm)
- Template Gauge
- Guide Rods
- Wrench
- Clamping Device
- Transparent Dust Cover
- Guard Plate
- Carbon Brushes (spare set)
- Screw Accessories
- Parallel Guide
- Canvas Storage Bag
- Instruction Manual



Image: The DEWINNER 1800W Wood Router shown with its complete set of accessories, including various router bits, collets, guides, and a canvas storage bag.

ACCESSORY DETAILS



Image: A detailed layout of all included accessories, clearly labeling the 12 milling cutters, guide rod, carbon brushes, wrench, clamping device, canvas bag, template gauge, transparent cover, guard plate, screw accessories, and chucks.

4. PRODUCT COMPONENTS

Familiarize yourself with the different parts of your DEWINNER Wood Router:




VOLTAGE
230V


No-load Speed
10000-26000


Rated Power
1800W


scaleplate
0-60MM


collect size
6mm/8mm/12mm

Image: A comprehensive diagram illustrating the key components of the DEWINNER Wood Router, including the depth trimming knob, fine-tuning dial, scale rod, 7-speed regulating roller, handles, lock knob, dust cover, guard plate, self-locking button, lock button, collet adaptor, and clamping device.

- **Depth Trimming Knob:** Used for precise adjustment of routing depth.
 - **Fine-tuning Dial:** Allows for micro-adjustments to the routing depth.
 - **Scale Rod:** Provides a visual reference for the set routing depth.
 - **7 Speed Regulating Roller:** Controls the motor's RPM.
 - **Handle:** Ergonomic grips for control and comfort during operation.
 - **Lock Knob:** Secures the router's plunge mechanism at a desired depth.
 - **Dust Cover:** Transparent cover to help manage dust and debris.
 - **Guard Plate:** Provides protection during operation.
 - **Self-locking Button:** Engages the spindle lock for easy bit changes.
 - **Lock Button:** Activates the power switch for continuous operation.
 - **Collet Adaptor:** Holds the router bit securely.
 - **Clamping Device:** Used with guides for specific routing tasks.
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5. SETUP

5.1. Collet and Router Bit Installation

Ensure the router is unplugged from the power source before installing or changing bits.

1. **Lock Spindle:** Press and hold the self-locking button to engage the spindle lock.
2. **Loosen Nut:** Use the provided wrench to loosen the collet nut.
3. **Insert Collet:** If changing collet size, insert the desired 6mm, 8mm, or 12mm collet into the collet adaptor.
4. **Insert Cutter:** Insert the shank of the router bit into the collet until it bottoms out, then pull it out slightly (about 1/8 inch or 3mm) to allow for thermal expansion.
5. **Tighten Nut:** While still holding the spindle lock button, tighten the collet nut firmly with the wrench. Do not overtighten.

12 PCS

1/4" Puntas de Fresadora



Install Milling Cutter



1. LOCK SPINDLE, LOOSEN NUT.



2. INSERT CUTTER.



3. LOCK SPINDLE, TIGHTEN NUT.

Image: Visual guide demonstrating the three steps for installing a router bit: locking the spindle and loosening the nut, inserting the cutter, and then locking the spindle and tightening the nut.



Image: A detailed view of the collet adaptor, emphasizing its ability to accommodate 6mm, 8mm, and 12mm collet sizes for various router bits.

5.2. Dust Extraction

The router is equipped with a transparent dust cover to help contain wood chips and dust. For optimal dust management, connect a suitable dust extraction system to the router's dust port.

6. OPERATING INSTRUCTIONS

6.1. Power On/Off

To start the router, press the power switch. For continuous operation, press the lock button while the power switch is engaged. To turn off, release the power switch or press it again if the lock button is engaged.

6.2. Speed Adjustment

The router features a 7-speed regulating roller, allowing you to adjust the motor speed from 10,000 to 26,000 RPM. Select the appropriate speed based on the material being routed and the type of bit used. Lower speeds are generally suitable for larger bits and harder materials, while higher speeds are for smaller bits and softer materials.



7 Adjustable Speeds

The Maximum speed can reach 26000rpm and the speed can be adjust quickly and freely according to the needs

Image: A detailed view of the 7-speed regulating roller, illustrating how to adjust the router's speed for different applications and materials.

6.3. Depth Adjustment

The routing depth can be precisely set using the depth trimming knob, fine-tuning dial, and scale rod. The maximum cutting depth is 60mm. Use the lock knob to secure the desired depth before starting operation.



Image: The DEWINNER Wood Router actively routing a wooden surface, illustrating its capability to achieve a penetration

depth of up to 60mm.

6.4. Routing Techniques

Always perform a test cut on scrap material before routing your final workpiece. Move the router smoothly and consistently. For best results, route against the direction of bit rotation to maintain control and prevent climb cutting.

- **Straight Cuts:** Use the parallel guide for accurate straight cuts along an edge.
- **Curved Cuts:** For curved edges or circles, use the clamping device and guide rods to create precise arcs.
- **Grooving and Trimming:** Select appropriate bits and adjust depth for desired groove or trim profiles.



Image: The DEWINNER Wood Router being used on a wooden board, highlighting its high operating speed of 26,000 RPM for efficient material removal.

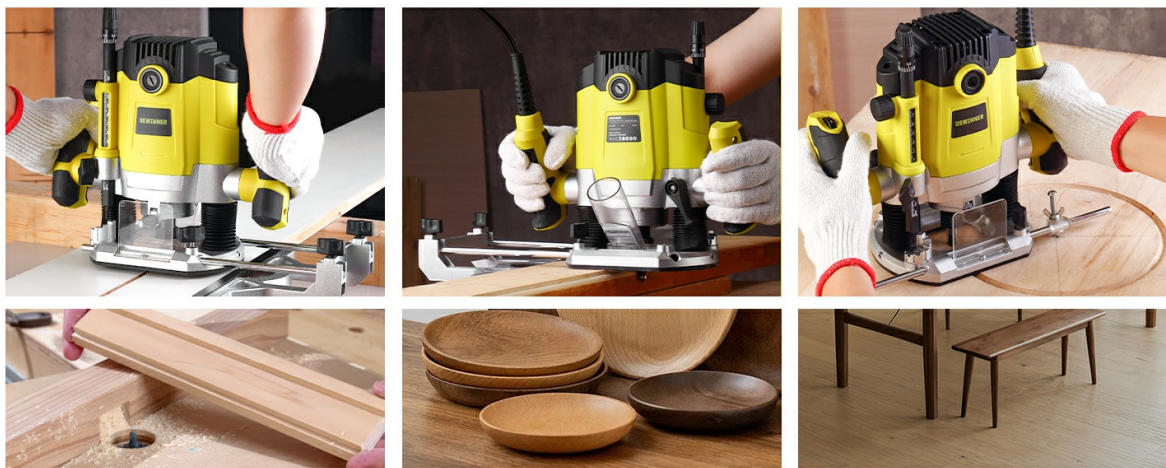


Image: A collection of images showcasing the versatility of the DEWINNER Wood Router in different woodworking applications, including edge routing, circular cuts, and the creation of finished wooden products.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your router.

- **Cleaning:** After each use, unplug the router and clean off dust and debris from the motor housing, base, and collet area using a brush or compressed air.
- **Carbon Brush Replacement:** The router features an external carbon brush interface for easy replacement. When the motor performance decreases or sparks become excessive, replace both carbon brushes simultaneously. Refer to the diagram for location.
- **Bit Care:** Keep router bits sharp and clean. Dull bits can cause overheating and poor cut quality.
- **Storage:** Store the router and its accessories in the provided canvas bag in a dry, secure location, away from moisture and direct sunlight.

8. TROUBLESHOOTING

If you encounter issues with your DEWINNER Wood Router, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Router does not start	No power supply; Faulty switch; Worn carbon brushes	Check power connection; Test switch; Replace carbon brushes
Excessive vibration	Loose bit; Bent bit shank; Damaged collet; Unbalanced bit	Ensure bit is tight; Replace bent bit; Inspect/replace collet; Use balanced bits
Poor cut quality (burning, rough finish)	Dull bit; Incorrect speed; Too fast feed rate; Wrong bit for material	Replace/sharpen bit; Adjust speed; Reduce feed rate; Use appropriate bit
Motor overheating	Overload; Blocked ventilation; Dull bit	Reduce load; Clear ventilation slots; Replace/sharpen bit; Allow to cool

9. SPECIFICATIONS

Technical specifications for the DEWINNER 1800W Wood Router Model DE-60125-ZH:

- **Model Number:** DE-60125-ZH
- **Rated Power:** 1800 W
- **Voltage:** 230V
- **No-load Speed:** 10,000 - 26,000 RPM (7 adjustable speeds)
- **Collet Sizes:** 6mm, 8mm, 12mm
- **Max. Routing Depth:** 60 mm
- **Package Dimensions:** 29 x 29 x 17.5 cm
- **Weight:** 1.9 kg
- **Country of Origin:** China




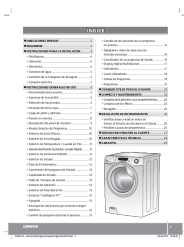



Image: A visual summary of the DEWINNER 1800W Electric Router's main specifications, including voltage, no-load speed, rated power, scaleplate range, and collet sizes.

10. WARRANTY AND SUPPORT

DEWINNER products are manufactured to high-quality standards. For warranty information, technical support, or service inquiries, please refer to the contact details provided with your purchase documentation or visit the official DEWINNER website. Keep your proof of purchase for warranty claims.

Related Documents - DE-60125-ZH

 <p>DEWINNER OS Trimmer PA Airbrush CS Chainsaw ET Trimmer ES Recuttings ITEM NO. VPER1027</p>	<p>DEWINNER VPER1027 Trimmer - Instruction Manual & Safety Guide</p> <p>Comprehensive instruction manual for the DEWINNER VPER1027 Trimmer, covering specifications, safety warnings, assembly, operation, and maintenance for woodworking applications.</p>
 <p>Creole Feast Customer Service C-1 800-838-9797</p> <p>ASSEMBLY GUIDE Model: CFT2018</p> <p>Crawfish Boiler plus Cast Iron Burner Cooker Combo</p>	<p>Creole Feast CFT2018 Assembly Guide: Crawfish Boiler Cooker Combo</p> <p>Comprehensive assembly guide for the Creole Feast CFT2018 Crawfish Boiler and Cast Iron Burner Cooker Combo. This document provides detailed instructions, a complete parts list with illustrations, hardware specifications, and safety precautions for setting up your outdoor cooking appliance.</p>
 <p>AERMEC</p> <p>ZH 1 ZH 1M ZH 1B ZH 1BM</p> <p>GIUGIARD</p>	<p>AERMEC ZH Series Fan Coil Feet/Bases - Installation Guide</p> <p>Official installation guide for AERMEC ZH 1, ZH 1M, ZH 1B, and ZH 1BM feet and bases designed for OMNIA HL and OMNIA HL M fan coil units. Includes product details, installation steps, and safety warnings.</p>
	<p>Manual de Usuario LONGVIE: Guía Completa para Lavarropas y Lavasecarropas</p> <p>Descubra cómo usar su lavarropas o lavasecarropas LONGVIE con este manual detallado. Incluye instrucciones de instalación, uso, mantenimiento, resolución de problemas y características técnicas para modelos de 6.5 Kg y 8 Kg.</p>
	<p>ASAKUKI ZH-001S Ultrasonic Top-Fill Humidifier User Manual</p> <p>Comprehensive user manual for the ASAKUKI ZH-001S Ultrasonic Top-Fill Humidifier, covering setup, operation, cleaning, maintenance, and troubleshooting.</p>
 <p>Virutex</p> <p>FRE317VD</p>	<p>Virutex FRE317VD Manual de Instrucciones y Características</p> <p>Manual completo de instrucciones y especificaciones para la fresadora angular Virutex FRE317VD, detallando su uso profesional, características técnicas, aplicaciones y mantenimiento.</p>

