

TEENO 3709

TEENO Wood Router Model 3709 Instruction Manual

Model: 3709 | Brand: TEENO

1. IMPORTANT SAFETY INSTRUCTIONS

Always observe basic safety precautions when using electric tools to reduce the risk of fire, electric shock, and personal injury. Read all instructions carefully before operating this tool.

- **Work Area Safety:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite the dust or fumes. Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock. Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock. Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- **Personal Safety:** Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury. Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries. Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source, picking up or carrying the tool.
- **Power Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed. Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally. Store idle power

tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users. Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools. Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control. Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.

- **Service:** Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

2. PRODUCT OVERVIEW

The TEENO Wood Router Model 3709 is a compact and powerful tool designed for various woodworking applications. It features an 800W motor, delivering 31000 RPM for efficient routing and trimming. The transparent base and ergonomic design enhance precision and control.

Components

- Palm Router (Main Unit)
- 15-Piece 1/4" Shank Router Bit Set
- Straight Guide
- Trimming Guide (Roller Guide)
- Wrenches (2x)
- Allen Wrench
- Carbon Brushes (2x)
- Screw Nut



Image: Overview of the TEENO Wood Router and its included accessories, such as the palm router, 15-piece router bit set, straight guide, roller guide, wrenches, Allen wrench, carbon brushes, and screw nut.

3. SETUP AND ASSEMBLY

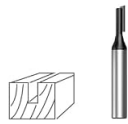
3.1 Installing Router Bits

Follow these steps to safely install a router bit into your TEENO Wood Router:

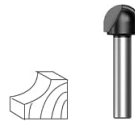
1. **Loosen the Collet:** Use the provided wrenches to loosen the collet nut.
2. **Insert the Router Bit:** Insert the desired router bit into the collet. Ensure it is inserted far enough to provide a secure grip, but not bottomed out.
3. **Tighten the Collet:** Securely tighten the collet nut with the wrenches. Do not overtighten.

15-Piece

1/4" Router Bit Set



1/8"
Straight Bit



1/4"
Cove Box Bit



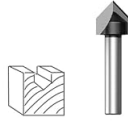
5/32"
Roman Ogee Bit



1/8"
Cove Box Bit



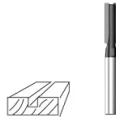
1/4"
Cove Bit



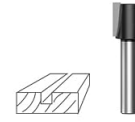
1/2"
V-Groove Bit



1/2"
45° Chamfer Bit



1/4"
Straight Bit



1/2"
Mortising Bit



3/8"
Roundover Bit



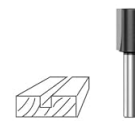
1/4"
Roundover Bit



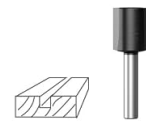
1/2"
Dovetail Bit



1/2"
Flush Trim Bit

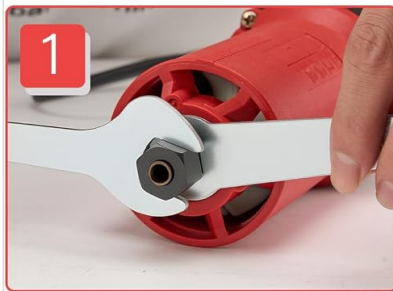


1/2"
Straight Bit



5/8"
Straight Bit

3-STEP ROUTER BIT INSTALLATION



1
Loosen the collet
with wrenches



2
Insert the router bit



3
Tighten the collet
with wrenches

Image: Visual guide demonstrating the three steps for installing a router bit: loosening the collet with wrenches, inserting the router bit, and then tightening the collet securely.

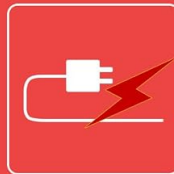
3.2 Adjusting Cutting Depth

The cutting depth can be adjusted without tools using the depth adjustment knob.

1. **Unlock the Base:** Release the quick-release base lock.
2. **Adjust Depth:** Turn the depth adjustment knob to move the router up or down. Use the clear depth scale for precise measurements.
3. **Lock the Base:** Securely fasten the quick-release base lock to fix the desired depth.



SPECIFICATION



VOLTAGE:
110-120V



31,000RPM



6.5 AMP MOTOR

Image: Close-up view of the TEENO Wood Router highlighting the clear depth scale for precise adjustments and the ergonomic soft grip for comfortable handling.

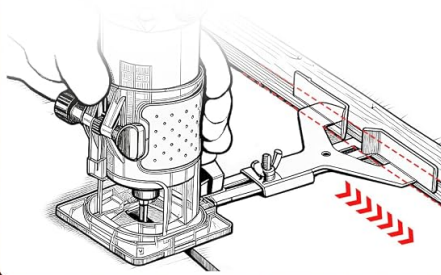
3.3 Attaching Routing Guides

Various guides can be attached for specific routing tasks:

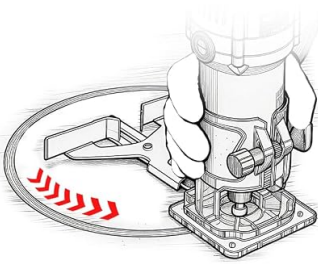
- **Straight Edge Guide:** Used for routing along a straight edge.
- **Circle Cutting Guide:** Enables precise circular cuts.
- **Roller Guide (Trimming Guide):** Ideal for trimming edges and following templates.

VERSATILE ROUTING GUIDES

Straight Edge Guide



Circle Cutting Guide



Roller Guide

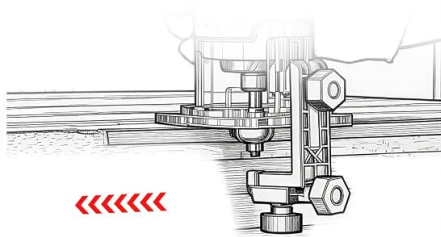


Image: Illustrations and photographs showing how to attach and use the straight edge guide, circle cutting guide, and roller guide for different routing applications.

4. OPERATING INSTRUCTIONS

The TEENO Wood Router is suitable for a variety of woodworking tasks. Always ensure the workpiece is securely clamped and you are wearing appropriate safety gear.

4.1 General Operation

1. **Power On/Off:** Use the quick-access toggle switch located on the top of the router for reliable, one-handed control.
2. **Maintain Grip:** The rubber-covered clear base provides a comfortable and secure grip.
3. **Control Dust:** The transparent cover helps control flying sawdust and provides a clear view of the processing conditions.



Image: Detailed view of the router's top section, illustrating the toggle switch for power control and the vents for the advanced cooling system.

4.2 Applications

This router can be used for:

- Chamfering
- Grooving
- Surface finishing
- Curve cutting
- Planing wood edges
- Pattern processing
- DIY carving
- Trimming



Image: A collage of four images showcasing the router in action for different tasks: creating circular slots, general slotting, performing DIY carving, and edge trimming.

4.3 Router Bit Set

The included 15-piece 1/4" router bit set provides versatility for various profiles and cuts. Refer to the image below for the types of bits included.

PRECISION CONTROL & ERGONOMIC DESIGN



Image: A comprehensive diagram illustrating the 15 different types of 1/4-inch router bits included in the set, each labeled with its specific name and profile.

4.4 Dust Extraction

The router is designed for efficient dust extraction. It can be connected to a vacuum system to maintain a clean, dust-free workspace.



Image: The TEENO Wood Router being used on a wooden surface, demonstrating its dust extraction capability. The image also includes a visual guide for router bit installation.

5. MAINTENANCE

5.1 Carbon Brush Replacement

The TEENO Wood Router features external carbon brushes for easy replacement, which significantly extends the tool's lifespan. Regularly inspect carbon brushes for wear and replace them when they are worn down to approximately 1/4 inch (6mm) or less.



Image: An illustration detailing the internal powerful 800W motor and the accessible external carbon brushes, emphasizing their ease of replacement.

5.2 General Cleaning

After each use, disconnect the tool from the power supply and clean any sawdust or debris from the router, especially around the motor vents and base. Use a soft brush or compressed air. Do not use solvents or harsh chemicals.

6. TROUBLESHOOTING

If you encounter issues with your TEENO Wood Router, refer to the following common troubleshooting tips:

- **Tool does not start:**

- Check if the power cord is securely plugged into a working outlet.
- Ensure the power switch is in the "ON" position.
- Inspect the power cord for any damage.
- Check the carbon brushes for wear; replace if necessary.

- **Excessive vibration or poor cut quality:**

- Ensure the router bit is correctly installed and securely tightened in the collet.
- Check if the router bit is dull or damaged; replace if needed.
- Verify that the base and guides are securely locked.
- Reduce the feed rate during operation.

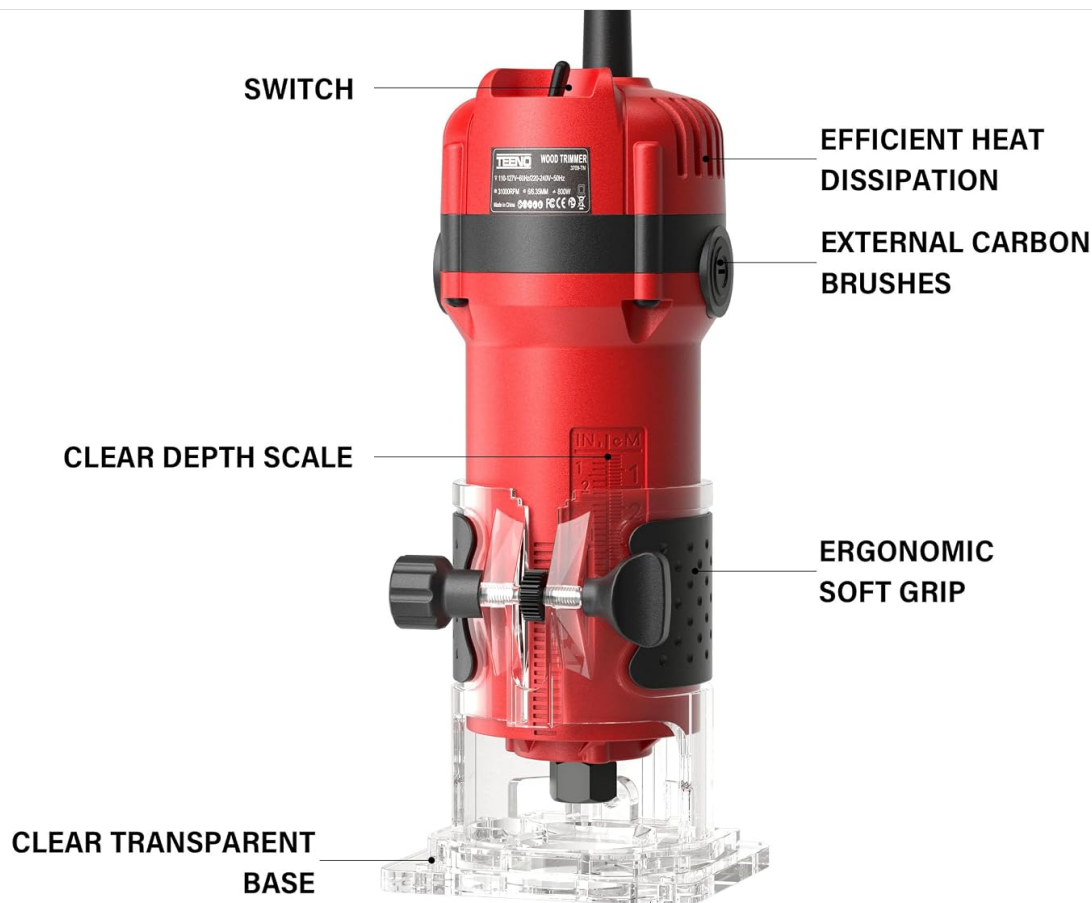
- **Overheating:**

- Ensure the motor vents are clear of obstructions to allow for proper cooling.
- Avoid prolonged heavy use without breaks.
- Do not overload the tool by forcing it through material too quickly.

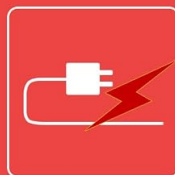
For issues not covered here, please contact TEENO customer support.

7. SPECIFICATIONS

Feature	Specification
Brand	TEENO
Model Number	TEENO-3709-TN1
Power Source	Corded Electric
Motor Power	800W
Horsepower	1.25 HP
Amperage	6.5 Amps
Maximum Rotational Speed	31000 RPM
Base Type	Fixed
Material	Acrylonitrile Butadiene Styrene (ABS)
Included Components	Router Bits (15-piece set), Straight Guide, Trimming Guide, Wrenches, Allen Wrench, Carbon Brushes, Screw Nut



SPECIFICATION



VOLTAGE:
110-120V



31,000RPM



6.5 AMP MOTOR

Image: The TEENO Wood Router with key specifications such as voltage, RPM, and amperage highlighted.

8. WARRANTY AND SUPPORT

For warranty information, product support, or to purchase replacement parts, please refer to the official TEENO website or contact their customer service department. Keep your purchase receipt as proof of purchase for warranty claims.

9. PRODUCT VIDEOS

Watch this official product video for additional guidance on using your TEENO Wood Router.

TEENO Wood Router 800W Overview

Your browser does not support the video tag.

Video: An official overview of the TEENO Wood Router 800W, demonstrating its features and general use.

