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BOSCH MRC23EVSK

BOSCH MRC23EVSK Combination Router Instruction Manual

Model: MRC23EVSK | Brand: BOSCH

INTRODUCTION

The BOSCH MRC23EVSK Combination Router is a powerful and versatile tool designed for precision woodworking. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your router.

The kit includes a motor, fixed base, and plunge base, allowing for a wide range of applications from edge profiling to intricate plunge routing. Its robust construction and user-friendly features ensure reliable performance for both professional and enthusiast woodworkers.

IMPORTANT SAFETY INFORMATION

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury when operating power tools. Failure to follow these instructions may result in serious injury.

- **Read the Manual:** Thoroughly read and understand all instructions before operating the router.
- **Personal Protective Equipment (PPE):** Always wear appropriate eye protection (safety glasses or goggles), hearing protection, and a dust mask.
- **Work Area:** Keep your work area clean, well-lit, and free of clutter. Ensure proper ventilation.
- **Electrical Safety:** Ensure the power supply matches the tool's requirements. Do not operate in wet conditions. Disconnect power before making adjustments or changing accessories.
- **Secure Workpiece:** Always clamp or otherwise secure the workpiece to prevent movement during routing.
- **Proposition 65 Warning:** This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

COMPONENTS OVERVIEW

The BOSCH MRC23EVSK Combination Router kit includes the following main components and accessories:

- **Motor:** The core power unit, interchangeable between bases.

- **Fixed Base:** For stable, precise routing, often used with router tables.
- **Plunge Base:** Allows for controlled vertical movement of the bit into the workpiece.
- **Collet Chucks:** Includes 1/4 inch and 1/2 inch self-releasing collet chucks for different bit shank sizes.
- **Wrenches:** 16mm and 24mm bit wrenches, and a T-handle hex height adjustment wrench.
- **Table Mounting Screws:** (3) M4 screws for table mounting.
- **Carrying Case:** Durable hard case for storage and transport.



Figure 1: The BOSCH MRC23EVSK Combination Router kit, showcasing both the fixed and plunge bases.

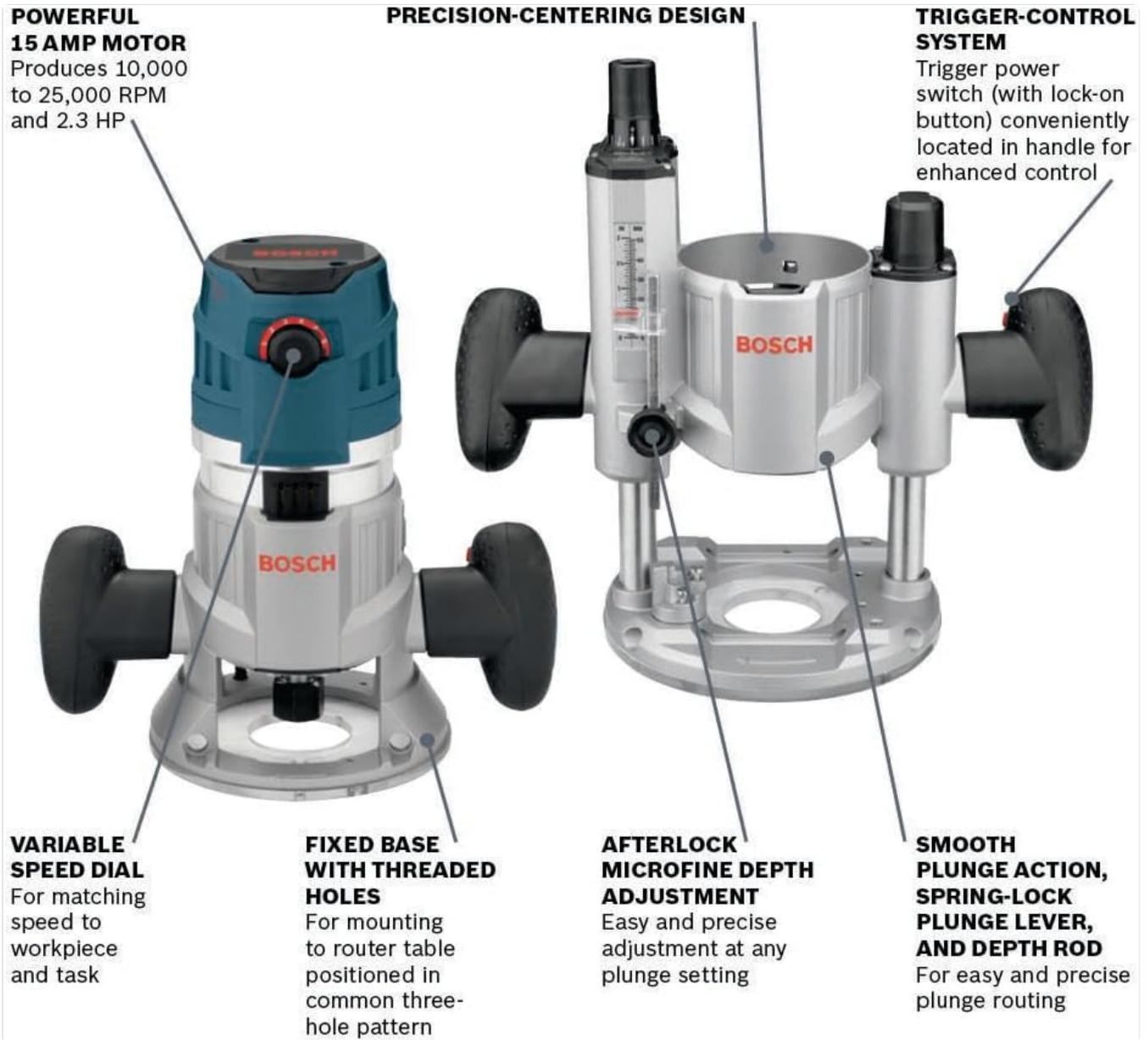


Figure 2: Detailed view of the router's key components including the variable speed dial, fixed base, microfine depth adjustment, and smooth plunge action.

SETUP

Attaching the Motor to the Base

The router motor can be easily transferred between the fixed and plunge bases. Align the motor with the chosen base and slide it into place. Ensure the snap-lock latch engages securely to prevent accidental disengagement during operation.

Video 1: This official Bosch video demonstrates the assembly and key features of the MR23 Router Series, including how to attach the motor to its bases.

Installing Router Bits

To install a router bit, ensure the router is unplugged. Insert the desired bit into the appropriate collet chuck (1/4 inch or 1/2 inch) and tighten it securely using the provided wrenches. The self-releasing collet chucks simplify bit removal.

OPERATING THE ROUTER

Power and Speed Control

The MRC23EVSK features a powerful 15 Amp, 2.3 Horsepower motor with variable speed control (10,000 to 25,000 RPM). Use the variable speed dial to match the speed to your workpiece material and task. The soft start motor minimizes startup torque for smoother operation.

The unique trigger-control system, located directly in the handle, provides enhanced control and convenience. A thumb button allows you to lock the router in the ON position for longer cuts.

ADDITIONAL ENHANCED CONTROL FOR THE OPERATOR



Figure 3: The trigger-control system located in the handle provides enhanced control during operation.

Depth Adjustment (Fixed Base)

The fixed base offers a 1-5/8 inch continuous microfine adjustment range. This allows for precise depth setting, which is particularly useful when the router is mounted in a router table.

Depth Adjustment (Plunge Base)

The plunge base features a precise and versatile depth adjustment system. The patented Afterlock Microfine Depth Control has a range of 5/8 of an inch, allowing for easy and precise adjustment at any plunge setting. An enhanced turret stop system with two adjustable stops enables repeatable multi-pass routing operations.

ADVANCED SET-UP PROVIDES A FIXED AND PLUNGE BASE



Figure 4: The plunge base allows for precise depth control during routing tasks.

MAINTENANCE

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

- **Cleaning:** After each use, unplug the router and clean dust and debris from the motor housing, bases, and collet area. Use a soft brush or compressed air.
- **Bit Care:** Keep router bits clean and sharp. Dull bits can cause excessive heat and strain on the motor.
- **Inspection:** Periodically inspect the power cord for damage, and check all fasteners for tightness.
- **LED Lights:** The integrated LED lights illuminate the bit area, making it easier to see during operation and cleaning. These lights stay on whenever the motor is plugged in.



Figure 5: Integrated LED lights illuminate the bit area for improved visibility during operation and maintenance.

TROUBLESHOOTING

If you encounter issues with your BOSCH MRC23EVSK router, refer to the following common troubleshooting tips. For more detailed information, consult the official User Manual.

- **Router Not Starting:** Check if the power cord is securely plugged in. Ensure the trigger is fully depressed and the lock-on button (if engaged) is functioning correctly.
- **Motor Boggling Down:** This may indicate a dull bit, too fast a feed rate, or an excessive depth of cut. Reduce the depth of cut, slow your feed rate, or replace the bit.
- **Inaccurate Cuts:** Ensure the bit is properly installed and tightened. Verify that the base is securely attached to the motor and that depth adjustments are locked.

For comprehensive troubleshooting guides and solutions, please refer to the official [User Manual \(PDF\)](#).

SPECIFICATIONS

Feature	Value
Brand	BOSCH
Material	Plastic, Metal
Power Source	Corded
Voltage	120 Volts
Item Weight	3 Pounds
Horsepower	2.3
Maximum Rotational Speed	25000 RPM
Amperage	15 Amps
Base Type	Plunge, Fixed
Product Dimensions	15.25"W x 9.75"H
Included Components	Motor, Fixed and Plunge Bases, 1/4 In. and 1/2 In. Self-Releasing Collet, 16 Mm. and 24 Mm. Bit Wrenches, T-Handle Hex Wrench, (3) M4 Screws for Table Mounting, Carrying Case

WARRANTY AND SUPPORT

The BOSCH MRC23EVSK Combination Router comes with a 30-day money-back guarantee and a 1-year warranty. Please retain your proof of purchase for warranty claims.

For product support, additional resources, or to explore other BOSCH tools and accessories, please visit the official [BOSCH Store on Amazon](#).

You can also download the complete [User Manual \(PDF\)](#) for detailed instructions and safety guidelines.

Router Table Compatibility

The BOSCH MRC23EVSK is designed to be compatible with most router tables, including the BOSCH Benchtop Router Table RA1181. The threaded holes on the fixed base allow for easy mounting.

Video 2: This official Bosch video demonstrates the compatibility of the router with the BOSCH Benchtop Router Table RA1181.