

Makita RT0701C

Makita RT0701C 1-1/4 HP Compact Router Instruction Manual

Model: RT0701C

1. INTRODUCTION

Thank you for choosing the Makita RT0701C 1-1/4 HP Compact Router. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your new tool. The RT0701C features a powerful 1-1/4 HP motor delivering 6.5 Amps for improved performance and a heavy-duty aluminum motor housing for increased durability. Please read this manual thoroughly before use and keep it for future reference.

2. SAFETY INFORMATION

WARNING: Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- Always wear eye protection and hearing protection when operating power tools.
- Keep 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.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.
- Avoid accidental starting. Ensure the switch is in the off-position before plugging in.
- Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.
- Use the correct power tool for your application.
- 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.

3. SETUP

3.1 Attaching the Base

The Makita RT0701C compact router comes standard with a fixed base. The quick-release cam lock system allows for easy base removal and installation. To attach the fixed base, align the motor housing with the base and secure it using the cam lock lever.



Image: The Makita RT0701C Compact Router shown with its fixed base attached, illustrating the compact design and the cam lock mechanism for secure attachment.

3.2 Installing the Collet and Bit

The router comes standard with a 1/4-inch collet. To install a router bit, ensure the router is unplugged. Insert the bit into the collet and tighten the collet nut securely using the provided wrenches. The fixed base accepts industry-standard template guides for convenience.



Image: A close-up view of the Makita RT0701C router with a bit inserted into the collet, ready for operation. This image highlights the bit installation process.

3.3 Depth Adjustment

The router features a smooth rack-and-pinion fine depth adjustment system for precise settings. Use the adjustment knob to set the desired routing depth. The quick-release cam lock system also facilitates easy depth adjustments.



Image: A detailed view of the Makita RT0701C router's depth adjustment mechanism, illustrating the rack-and-pinion system for fine-tuning the cutting depth.

4. OPERATING INSTRUCTIONS

4.1 Powering On and Speed Control

Connect the router to a power source. The variable speed control dial (10,000 to 30,000 RPM) allows you to match the speed to the specific application and material. The electronic speed control maintains constant speed under load, and the soft start feature ensures smooth start-ups.

4.2 Typical Applications

The Makita RT0701C is versatile for various woodworking tasks, including:

- **Edge Trimming:** Ideal for trimming edges on laminates and wood materials. The high-visibility base design improves handling and performance.

- **Profile Cutting:** Create common profiles like classic bead, corner bead, and bull nose profiles.
- **Grooving and Dadoing:** With optional bases, cut grooves and dados for joinery.
- **Mortising and Inlay Pattern Work:** Achieve precise mortises and intricate inlay patterns.

4.3 Dust Collection

For improved dust collection, an optional dust nozzle (Fixed Base, Part No. 195559-1) can be attached to the fixed base. An optional dust nozzle (Plunge Base, Part No. 194733-8) is also available for the plunge base.

4.4 Using Optional Bases

The router accepts three optional bases: a plunge base, a tilt base, and an offset base, expanding its functionality for specialized tasks.

Watch the official product video for a visual guide on setup and applications:

Your browser does not support the video tag.

Video: Official demonstration of the Makita RT0701C 1-1/4 HP Compact Router, showcasing its features, various bases, and typical applications in woodworking.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Makita RT0701C router.

- **Cleaning:** Keep the tool clean and free of dust and debris. Use a soft cloth to wipe down the exterior.
- **Carbon Brushes:** Periodically check the carbon brushes for wear. Replace them when they reach their wear limit to maintain motor efficiency.
- **Lubrication:** Refer to the detailed service manual for specific lubrication points and schedules.
- **Cord Inspection:** Regularly inspect the power cord for any damage. Replace damaged cords immediately to prevent electrical hazards.
- **Bit Maintenance:** Keep router bits sharp and clean for best results and to prevent strain on the motor.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your router.

Problem	Possible Cause	Solution
Router does not start	No power supply; Faulty switch; Worn carbon brushes	Check power connection; Inspect/replace switch; Replace carbon brushes
Excessive vibration	Dull or damaged bit; Loose collet nut; Bent shaft	Replace bit; Tighten collet nut; Contact service center
Motor overheating	Overloading; Blocked ventilation; Worn carbon brushes	Reduce load; Clean ventilation slots; Replace carbon brushes
Inaccurate cuts	Improper depth setting; Loose base; Dull bit	Re-adjust depth; Secure base; Replace bit

7. SPECIFICATIONS

- **Brand:** Makita
- **Model:** RT0701C

- **Power Source:** Corded Electric
- **Voltage:** 120 Volts
- **Amperage:** 6.5 Amps
- **Horsepower:** 1.25 HP
- **Maximum Rotational Speed:** 10,000 - 30,000 RPM (Variable Speed)
- **Item Weight:** 3.9 Pounds
- **Product Dimensions:** 3.5"W x 7.88"H
- **Material:** Alloy Steel
- **Base Type:** Fixed (accepts optional plunge, tilt, and offset bases)
- **Special Features:** Compact, Soft Start, Electronic Speed Control, Rack-and-Pinion Depth Adjustment, Quick Release Cam Lock System

8. WARRANTY INFORMATION

The Makita RT0701C Compact Router comes with a **1-year limited warranty** that covers repair due to defects in materials or workmanship from the date of purchase. Please retain your proof of purchase for warranty claims. This warranty does not cover damage caused by misuse, abuse, normal wear and tear, or unauthorized repairs.

9. SUPPORT

For further assistance, technical support, or to inquire about replacement parts and accessories, please contact Makita customer service or visit the official Makita website. You can also find authorized service centers for professional repairs.

Makita Official Website: www.makitatools.com

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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.

Submit question