Makita RP1110C

Makita RP1110C 1100W Electronic Router User Manual

Model: RP1110C

Important Safety Instructions

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury when using power tools.

General Power Tool Safety Warnings

- 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. 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.
- Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.
- Use safety equipment. Always wear eye protection. Dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- Avoid accidental starting. Ensure the switch is in the off-position before connecting to power source, picking up or carrying the tool.
- 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. The correct power tool will do the job better and safer at the rate for which it was designed.
- 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.
- Use accessories appropriate for your tool. The use of any accessory not intended for use with this tool may create a risk of injury.
- Keep handles dry, clean, and free from oil and grease. This allows for better control of the tool.
- Store idle tools out of reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.
- Service your power tool by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

Router Specific Safety Warnings

- Hold the tool by insulated gripping surfaces when performing an operation where the cutting accessory may contact hidden wiring or its own cord. Contact with a “live” wire will also make exposed metal parts of the power tool “live” and could give the operator an electric shock.
- Use clamps or another practical way to secure and support the workpiece to a stable platform. Holding the work by hand or against your body makes it unstable and may lead to loss of control.
- The bit must be inserted into the collet chuck at least up to the indicated line. If not, the bit may break or cause injury.
- Do not touch the bit immediately after operation. It may be extremely hot and could burn your skin.
- Ensure the workpiece is free of nails or other foreign objects.
- Do not attempt to cut grooves deeper than 6 mm (1/4") at one pass. Make several passes with gradually increasing depth.
- Always wear safety glasses or goggles.
- Wear hearing protection during prolonged operation.
- Use a dust mask in dusty conditions.

Components and Parts Identification

Familiarize yourself with the parts of your Makita RP1110C router before operation to ensure safe and effective use.



Image: Front view of the Makita RP1110C Electronic Router, showing the main body, handles, depth adjustment knob, and base.



Image: Side view of the Makita RP1110C Electronic Router, highlighting the motor housing and dust extraction port.

Key Components

1. Plunge Base
2. Motor Unit
3. Depth Adjustment Knob
4. Lock Lever
5. Collet Chuck
6. Dust Nozzle
7. Handles
8. Power Switch
9. Speed Control Dial

Setup

Installing or Removing the Router Bit

1. Ensure the tool is unplugged from the power source.
2. Place the tool upside down on a stable surface.
3. Loosen the collet nut by turning it counter-clockwise with the provided wrench.
4. Insert the router bit into the collet chuck as far as it will go, then pull it back out by approximately 2 mm. This allows for proper clamping.
5. Tighten the collet nut clockwise with the wrench until the bit is securely fastened.
6. To remove the bit, follow these steps in reverse.

Adjusting the Plunge Depth

1. Place the tool on a flat surface with the router bit touching the surface.
2. Loosen the lock lever on the plunge base.
3. Lower the motor unit until the bit just touches the workpiece or the desired starting point.

4. Adjust the depth adjustment knob to set the desired cutting depth. Use the depth scale for precision.
5. Tighten the lock lever firmly to secure the motor unit at the set depth.

Operating Instructions

Powering On/Off

To start the tool, press the power switch. To stop it, release the switch. For continuous operation, press the lock button while the switch is pressed, then release the switch. To stop continuous operation, press the switch again.

Speed Control

The rotation speed can be adjusted by turning the speed control dial. Higher numbers on the dial indicate higher speeds. Select the appropriate speed based on the material and router bit being used.

Recommended Speed Settings

Material	Speed Dial Setting
Hardwood	5-6 (High)
Softwood	4-5 (Medium-High)
Plywood/MDF	3-4 (Medium)
Plastics	1-2 (Low)

Note: These are general recommendations. Always test on a scrap piece of material first.

Routing Operation

Hold the tool firmly with both hands. Keep the base flat on the workpiece throughout the routing process. Move the tool slowly and steadily in the direction of the cut. Avoid applying excessive pressure, as this can lead to poor cut quality and motor strain. Always ensure proper ventilation and dust extraction.

Maintenance

Regular maintenance ensures optimal performance and extends the life of your Makita RP1110C router.

Cleaning

Always unplug the tool from the power source before cleaning. Wipe the tool body with a dry cloth. Clean the collet chuck and bit holder regularly to prevent dust and resin buildup, which can affect bit concentricity and clamping force. Use compressed air to clear dust from ventilation openings.

Carbon Brushes

The motor employs carbon brushes which are consumable parts. When they wear out, the motor will stop automatically. Have the carbon brushes replaced by a Makita authorized service center to ensure proper function and safety.

Lubrication

This tool does not require user lubrication. Any internal lubrication or servicing should be performed by a qualified service technician.

Storage

When not in use, store the tool in a dry, secure place out of reach of children. Protect it from direct sunlight and extreme

temperatures.

Troubleshooting

Refer to the table below for common issues and their potential solutions.

Problem	Possible Cause	Solution
Tool does not start	No power supply	Check power cord connection and ensure the outlet is functional.
Tool does not start	Worn carbon brushes	Have brushes replaced by a Makita authorized service center.
Excessive vibration during operation	Damaged or dull router bit	Replace the router bit with a sharp, undamaged one.
Excessive vibration during operation	Router bit not properly installed	Reinstall the bit correctly, ensuring it is inserted to the proper depth and the collet nut is tightened.
Motor overheats	Overloading the tool	Reduce cutting depth or feed rate. Make multiple shallow passes instead of one deep pass.
Motor overheats	Blocked ventilation slots	Clean the ventilation slots on the motor housing to ensure proper airflow.

If the problem persists after attempting these solutions, please contact a Makita authorized service center for assistance.

Specifications

Model: **RP1110C**

- Power Input: 1100 W
- Collet Capacity: 8 mm
- No-Load Speed: 8,000 - 24,000 rpm
- Dimensions (L x W x H): 15 x 26.9 x 26 cm
- Net Weight: 5 kg
- Voltage: 240 Volts
- UPC: 883810350400, 088381035040
- Manufacturer: Makita

Specifications are subject to change without notice for improvement.

Warranty and Support

Makita power tools are subject to rigorous quality control and are guaranteed to be free from defects in workmanship and materials for a specified period from the date of purchase. Please refer to the official Makita website or your local dealer for specific warranty terms and conditions applicable to your region, as these may vary.

For technical support, service, or to inquire about spare parts, please contact your authorized Makita service center. They are equipped to provide expert assistance and genuine replacement parts.

You can find more information and contact details on the official Makita website:www.makita.com

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