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CUSHYBITE PCL424B-A252401

CUSHYBITE PCL424B-A252401 18V Cordless Compact Fixed Base Router User Manual

Model: PCL424B-A252401

INTRODUCTION

Thank you for choosing the CUSHYBITE PCL424B-A252401 18V Cordless Compact Fixed Base Router. This manual provides essential information for the safe operation, setup, maintenance, and troubleshooting of your new tool. Please read this manual thoroughly before use and retain it for future reference.



Image: The CUSHYBITE PCL424B-A252401 18V Cordless Compact Fixed Base Router shown alongside its included 24-piece router bit set in a protective case.

IMPORTANT SAFETY INSTRUCTIONS

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Keep this manual for future reference.

- Read all instructions before operating the tool.
- Wear appropriate personal protective equipment, including eye protection, hearing protection, and gloves.
- Ensure the workpiece is securely clamped before routing.
- Keep hands and body clear of the router bit during operation.
- Do not operate the router in damp or wet conditions.
- Always disconnect the battery pack before making adjustments, changing accessories, or storing the tool.
- Use only router bits designed for the specified RPM range of this tool.

SETUP AND ASSEMBLY

1. Attaching the Battery Pack (Sold Separately)

1. Align the battery pack with the tool's battery port.
2. Slide the battery pack into the port until it clicks securely into place.
3. To remove, press the release latch and slide the battery pack out.

2. Installing a Router Bit

1. Ensure the battery pack is removed from the router.
2. Loosen the collet nut using the provided wrench.
3. Insert the desired router bit into the collet, ensuring at least 3/4 of the shank is seated.
4. Tighten the collet nut firmly with the wrench. Do not overtighten.



Image: A user demonstrating the compact router in operation, highlighting its powerful cutting capability at up to 30,000 RPM.

OPERATING INSTRUCTIONS

1. Powering On/Off

- To turn on, press the power switch.
- To turn off, release the power switch.

2. Adjusting Depth

- **Micro-Adjustment Dial:** Use the micro-adjustment dial for fine-tuning the routing depth. Rotate clockwise to decrease depth, counter-clockwise to increase depth.
- **Quick-Release Lever:** For larger adjustments, disengage the quick-release lever, slide the motor housing to the desired depth, and then re-engage the lever to lock it in place.

3. Variable Speed Control

The router features a variable speed dial, allowing adjustment of the RPM from 20,000 to 30,000. Select the appropriate speed based on the material and router bit being used. Lower speeds are generally suitable for larger bits and harder materials, while higher speeds are for smaller bits and softer materials.



Image: A user adjusting the router, illustrating the versatility, accuracy, and control offered by the variable speed dial and depth adjustment features.

4. LED Work Light

An integrated LED light illuminates the work area, enhancing visibility during operation, especially in dimly lit conditions.

5. Using the Router Bit Set

The included 24-piece carbide-tipped router bit set is suitable for various applications, including decorative trimming, edging, and joining. Always select the correct bit for your specific task and material.

MAINTENANCE

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

- **Cleaning:** After each use, clean the tool with a soft, dry cloth. Remove any sawdust or debris from the motor vents and base. Do not use harsh chemicals or abrasive cleaners.
- **Bit Care:** Keep router bits clean and sharp. Dull bits can cause overheating and poor cutting performance. Store bits in their protective case to prevent damage.
- **Inspection:** Periodically inspect the power cord (if applicable, though this is cordless, good to mention general tool care), switches, and housing for any damage.

- **Lubrication:** This tool is designed for maintenance-free operation. No internal lubrication is required.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Router does not start.	Battery pack not inserted correctly or discharged.	Ensure battery pack is fully seated. Charge or replace battery pack.
Poor cutting performance.	Dull or incorrect router bit. Incorrect speed setting.	Replace or sharpen bit. Select appropriate speed for material and bit.
Excessive vibration.	Router bit not properly secured or damaged.	Ensure bit is fully seated and collet nut is tightened. Inspect bit for damage and replace if necessary.
Router overheats.	Overloading the tool. Blocked ventilation.	Reduce cutting depth or feed rate. Clear ventilation openings. Allow tool to cool.

SPECIFICATIONS

Feature	Detail
Model Number	PCL424B-A252401
Brand	CUSHYBITE
Voltage	18V (Battery and Charger Sold Separately)
No-Load Speed	20,000 - 30,000 RPM (Variable Speed)
Base Type	Compact Fixed Base
Features	Micro-adjustment dial, Quick-release lever, LED light
Included Accessories	24-Piece Carbide-Tipped Router Bit Set

WARRANTY AND SUPPORT

This CUSHYBITE product is backed by a 3-year warranty. For warranty claims, technical support, or service inquiries, please contact CUSHYBITE customer service. Keep your proof of purchase for warranty validation. For the latest information and support, please visit the official CUSHYBITE website or contact their customer service department.