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Hilitand Hilitandoqcx9t801a6519

Hilitand Handheld Router Bracket Instruction Manual

Adjustable Slotting Carving Base for Woodworking DIY

Introduction

This manual provides instructions for the Hilitand Handheld Router Bracket, an essential accessory for woodworking DIY projects. Designed with an adjustable slotting and carving base, this bracket enhances precision and efficiency for various trimming tasks. It features a robust construction of CNC fine-machined aluminum alloy and thickened plastic, ensuring stability and durability.



Figure 1: Hilitand Trimmer Router Transparent Base with included accessories (Sloting Bracket, Adjustment Wrench, Trimming Cutter).

The transparent design of the base allows for clear visibility during operation, enabling accurate control and improved work quality. Its adjustable opening accommodates various plate thicknesses, making it a versatile tool for furniture making and other detailed woodworking applications.



Figure 2: Various DIY furniture and woodworking applications where the slotting bracket can be used.

Setup

1. **Attach Trimmer:** Ensure your trimmer is compatible (e.g., FFO4-6, FF02-6 with a 65mm diameter). Carefully insert the trimmer into the bracket base.
2. **Secure Trimming Cutter:** When installing the trimming cutter, ensure it is placed fully to the end of its slot and securely locked with the provided wrench. This prevents movement during operation and ensures safety.



Figure 3: Important installation note for the trimming cutter and the benefit of the transparent base for clear operation.

3. **Adjust Stop Opening:** Loosen the screws on the base stop to adjust the opening. This allows the bracket to adapt to different plate thicknesses, ranging from approximately 13mm (0.5in) to 36mm (1.4in). Tighten the screws once the desired opening is set.
4. **Set Slot Depth:** Refer to the scale marks on the bracket to observe and adjust the trimming cutter depth. Once the desired slot depth is achieved, lock it in place before beginning work.

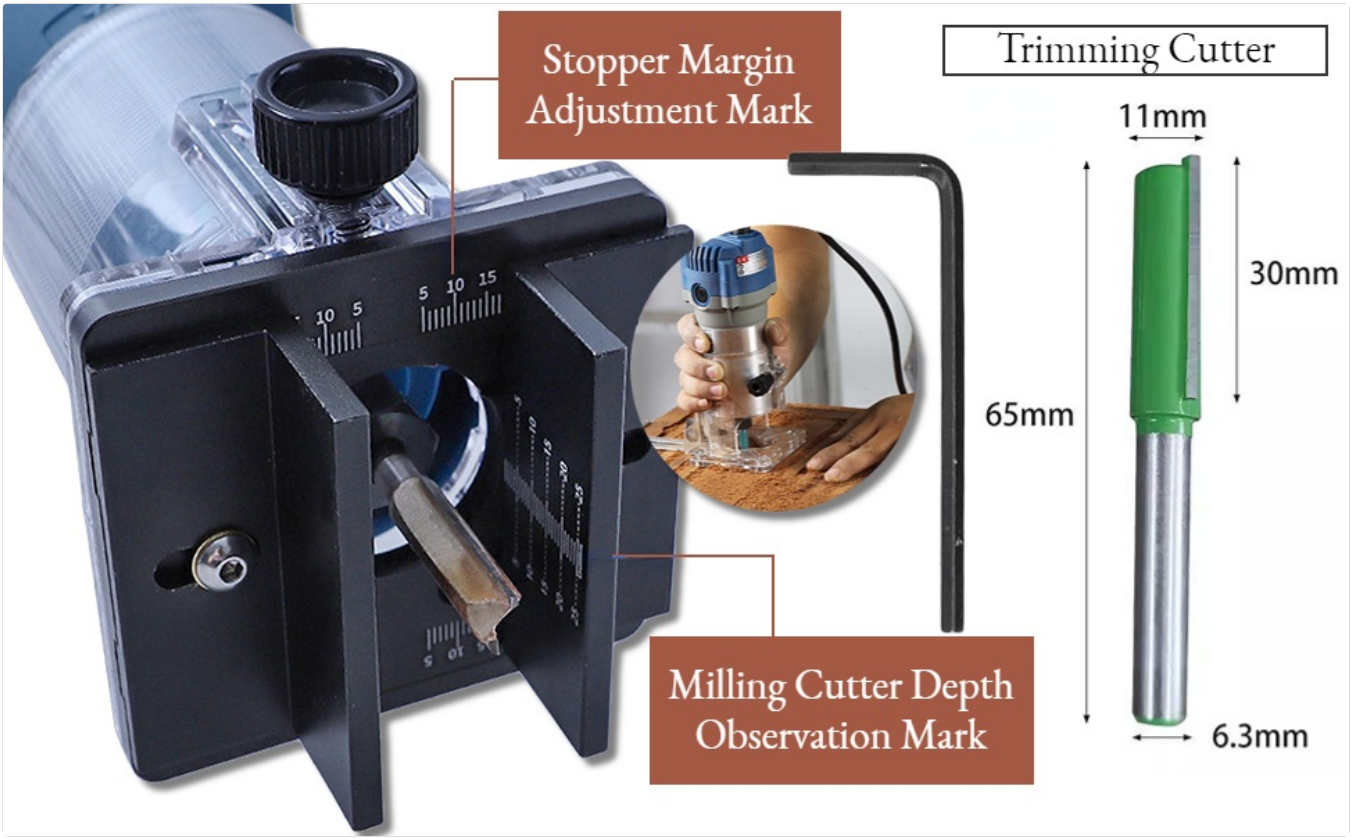


Figure 4: Illustration of the trimming cutter, adjustment wrench, and the stopper margin and milling cutter depth observation marks.

Operating Instructions

1. **Secure Workpiece:** Ensure your workpiece is firmly secured to prevent movement during operation.
2. **Position Bracket:** Place the router bracket onto the workpiece, aligning the trimmer cutter with your desired slotting or carving path.
3. **Engage Trimmer:** Turn on your trimmer.
4. **Perform Operation:** Guide the bracket along the workpiece. The limit chute design ensures the block slides in parallel, facilitating smooth and efficient slotting without getting stuck. The transparent base provides a clear view of the cutting action for precise control.



Figure 5: The router bracket being used for concealed connection slotting, demonstrating its application for various board thicknesses.

5. **Monitor Progress:** Continuously observe the trimming cutter depth and alignment through the transparent base to maintain accuracy.
6. **Complete Task:** Once the slotting or carving is complete, turn off the trimmer and carefully remove the bracket from the workpiece.

Maintenance

- **Cleaning:** After each use, clean the bracket to remove sawdust and debris. A soft brush or compressed air can be

used. Avoid harsh chemicals that may damage the plastic components.

- **Inspection:** Regularly inspect the aluminum alloy base, plastic bracket, and adjustment mechanisms for any signs of wear, damage, or loose screws.
- **Storage:** Store the router bracket in a clean, dry place away from direct sunlight and extreme temperatures to prolong its lifespan.

Troubleshooting

- **Cutter Not Cutting Smoothly:**
  - Ensure the trimming cutter is sharp and free of debris.
  - Verify the cutter is fully inserted and locked securely.
  - Check that the slot depth is correctly set and locked.
- **Bracket Sticking/Not Sliding Parallel:**
  - Clean the limit chute and ensure no sawdust or obstructions are present.
  - Check for any damage or deformation to the sliding components.
- **Inaccurate Depth Adjustment:**
  - Ensure the depth adjustment knob is tightened after setting the desired depth.
  - Verify that the scale marks are clear and readable.

Specifications

Item Type	Wood Router Bracket
Brand	Hilitand
Model Number	Hilitandoqcx9t801a6519
Material	Aluminum Alloy + Plastic
Applicable Board Thickness	Approx. 13-36mm / 0.5-1.4in
Applicable Trimmer Model	For Dongcheng FFO4-6, FF02-6 (with 65mm diameter)
Item Weight	Approx. 14.9 ounces
Package Dimensions	Approx. 5.87 x 3.78 x 3.7 inches

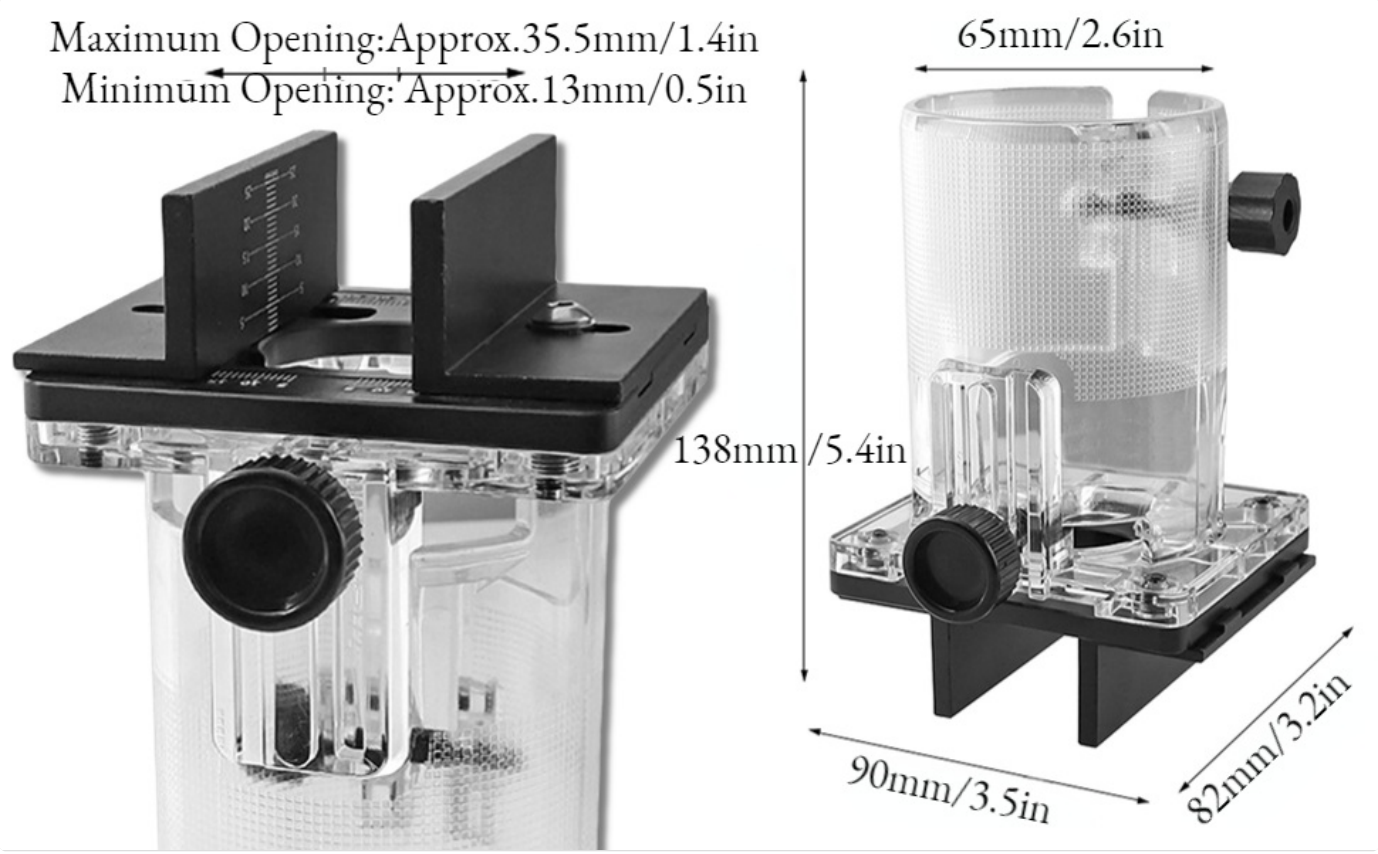


Figure 6: Detailed dimensions of the router bracket, including maximum and minimum opening for board thickness.

Warranty and Support

Specific warranty information for this product is not provided in the available documentation. For warranty claims, technical support, or further inquiries, please contact Hilitand customer service directly or refer to the product packaging for contact details.

You may also visit the official Hilitand store for additional product information and support resources:Hilitand Store

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