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› [Black+Decker](#) /

› [Black+Decker KW712 650W Electric Planer User Manual](#)

Black+Decker KW712

Black+Decker KW712 650W Electric Planer User Manual

Model: KW712

1. INTRODUCTION

Thank you for choosing the Black+Decker KW712 650W Electric Planer. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new tool. Please read these instructions carefully before use and keep them for future reference. This planer is designed for planing wood and wood-like materials.

General Safety Warnings

- Always wear appropriate personal protective equipment, including safety glasses, hearing protection, and a dust mask.
- Ensure the work area is clean, well-lit, and free from obstructions.
- Keep children and bystanders away while operating the tool.
- Disconnect the planer from the power source before making any adjustments, changing accessories, or performing maintenance.
- Secure the workpiece firmly to prevent movement during planing.
- Do not operate the planer in damp or wet conditions.

2. PRODUCT OVERVIEW

Familiarize yourself with the components of your Black+Decker KW712 Electric Planer before operation.



Figure 1: Overall view of the Black+Decker KW712 Electric Planer. The image shows the orange and black body of the planer with its cord, front handle, and rear handle, along with the planing base and dust port.

Key Components:

1. **Depth Adjustment Knob:** Used to set the desired planing depth.
2. **Front Handle:** Provides control and stability during operation.
3. **Rear Handle (with Trigger):** Main grip for operating the tool, includes the power trigger and lock-off button.
4. **Planing Base:** The flat surface that glides over the workpiece.
5. **Dust Extraction Port:** Connects to a dust bag or vacuum cleaner for chip removal.
6. **V-Groove:** Located on the front shoe for chamfering edges.
7. **Blades:** Reversible TCT (Tungsten Carbide Tipped) blades for efficient material removal.



Figure 2: Close-up view of the depth adjustment knob. The knob is black with white markings indicating planing depths from 0 to 2.0 mm.



Figure 3: Close-up view of the dust extraction port. This shows the circular opening on the side of the planer where a dust bag or vacuum hose can be attached.



Figure 4: Close-up view of the power trigger and the safety lock-off button located on the handle of the planer.

3. SETUP

Power Connection

- Ensure the power switch is in the 'OFF' position before plugging the tool into a power outlet.
- Connect the planer to a grounded power outlet with the correct voltage (230V).

Dust Extraction

The KW712 planer is equipped with a dust extraction port to maintain a clean work environment.

- Attach a suitable dust bag or connect a vacuum cleaner hose to the dust extraction port.
- Ensure the connection is secure to prevent dust leakage.

Blade Inspection

The planer uses TCT double-sided blades designed for long life. Before each use, inspect the blades.

- Check blades for sharpness, chips, or damage. Damaged blades can affect planing quality and safety.
- If blades are dull or damaged, refer to the Maintenance section for replacement instructions.

4. OPERATING INSTRUCTIONS

Holding the Planer

- Hold the planer firmly with both hands, one on the front handle and one on the rear handle.
- Maintain a balanced stance to ensure control over the tool.

Adjusting Planing Depth

- Rotate the depth adjustment knob at the front of the planer to select the desired cutting depth. The planer allows for precise adjustments, including a 0.2mm depth setting for fine work.
- The maximum cutting depth is 2mm for quick material removal.
- Start with a shallow depth and gradually increase if needed.

Starting and Stopping

- To start the planer, press the safety lock-off button and then squeeze the trigger switch.
- To stop the planer, release the trigger switch.

Planing Technique

- Place the front shoe of the planer flat on the workpiece, ensuring the blades are not touching the surface.
- Start the planer and allow it to reach full speed before moving it forward.
- Apply even pressure and move the planer smoothly and consistently across the workpiece.
- Maintain control and avoid tilting the planer.
- For chamfering edges, align the V-groove on the front shoe with the edge of the workpiece and guide the planer along.



Figure 5: A user demonstrating the operation of the Black+Decker KW712 planer on a wooden plank, with a dust extraction hose connected to the tool.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your planer.

Cleaning

- Always disconnect the planer from the power supply before cleaning.
- Use a soft brush or compressed air to remove dust and wood chips from the tool, especially around the motor vents and blade area.
- Wipe the exterior with a damp cloth. Do not use harsh chemicals or abrasive cleaners.

Blade Replacement (TCT Double-Sided Blades)

The KW712 uses durable TCT double-sided blades. When one side becomes dull, the blade can be reversed. When both sides are dull, the blades must be replaced.

- **Safety First:** Disconnect the planer from the power supply.
- Locate the blade clamping screws on the cutter head.
- Using the appropriate wrench (usually supplied with the tool), loosen the clamping screws.
- Carefully remove the dull blade. Blades are extremely sharp; handle with caution.
- Clean the blade seating area.
- Insert a new or reversed blade, ensuring it is correctly seated and aligned.
- Tighten the clamping screws securely.
- Repeat for the other blade if necessary.
- Ensure both blades are at the same height before operating the planer.

Storage

- Store the planer in a dry, secure location, out of reach of children.
- Protect the blades from damage during storage.

6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Planer does not start	No power supply; Faulty switch; Safety lock-off not engaged correctly.	Check power connection and outlet; Ensure safety lock-off button is pressed before trigger; If problem persists, contact service.
Poor planing finish (rough surface, chatter marks)	Dull or damaged blades; Incorrect planing depth; Uneven pressure; Blades not set at equal height.	Replace or reverse blades; Reduce planing depth; Apply even pressure; Check and adjust blade height.
Excessive vibration or noise	Loose components; Damaged blades; Unbalanced cutter head.	Check all screws and tighten if necessary; Inspect and replace damaged blades; If vibration continues, seek professional service.
Dust extraction ineffective	Dust port clogged; Dust bag full or improperly attached; Vacuum cleaner not powerful enough.	Clear dust port; Empty or reattach dust bag; Use a more powerful vacuum cleaner.

7. SPECIFICATIONS

Feature	Specification
Model Number	KW712
Power Input	650W
Voltage	230V

Feature	Specification
Planing Width	82mm
Max. Planing Depth	2mm
Depth Adjustment	0.2mm increments
Weight	2 kg (2000 Grams)
Dimensions (L x W x H)	10 x 10 x 10 cm
Material	Aluminum
Power Source	Corded Electric

8. WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your product or contact your local Black+Decker dealer or authorized service center. Keep your purchase receipt as proof of purchase.

For technical support or service inquiries, please visit the official Black+Decker website or contact their customer service department.

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