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BLACK+DECKER KW712

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1. INTRODUCTION

Thank you for choosing the BLACK+DECKER KW712 650W Corded Electric Wood Planer. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your new tool. Please read these instructions carefully before use and retain them for future reference.

The BLACK+DECKER KW712 is designed for planing wood surfaces, reducing thickness, and creating chamfers in various woodworking applications, including carpentry, interior designing, and construction.

2. GENERAL SAFETY INSTRUCTIONS

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury when using power tools. Keep your work area clean and well-lit. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.

- **Personal Safety:** Always wear eye protection, hearing protection, and a dust mask. Dress appropriately; avoid loose clothing or jewelry that can get caught in moving parts.
- **Electrical Safety:** Ensure the power cord is undamaged. Do not expose power tools to rain or wet conditions. Never abuse the cord for carrying, pulling, or unplugging the power tool.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.
- **Work Area Safety:** Secure the workpiece. Keep hands away from the planing area. Ensure proper footing and balance at all times.

3. PRODUCT COMPONENTS

Familiarize yourself with the key components of your BLACK+DECKER KW712 wood planer:



This image displays a side profile of the BLACK+DECKER KW712 wood planer, highlighting its ergonomic handle and main housing.



A view of the planer's other side, featuring the dust extraction port for a cleaner work environment and the product's identification label.



An angled perspective of the planer, illustrating the depth adjustment knob at the front, which controls the cutting depth, and the extended front shoe.



This top-down view provides an overview of the planer's design, including the main handle for control during operation.

- **Depth Adjustment Knob:** Located at the front, used to set the desired cutting depth.
- **Main Handle:** Provides grip and control during operation.
- **Power Switch:** Activates and deactivates the motor.
- **Dust Extraction Port:** Connects to a dust collection system for a cleaner work environment.
- **Front Shoe:** The front base plate of the planer, which can be adjusted for depth.
- **Rear Shoe:** The fixed rear base plate.
- **Planing Blades:** The cutting elements that remove wood material.
- **V-Groove:** A groove on the front shoe designed to assist in chamfering edges.

4. SETUP

Before operating the planer, ensure it is properly set up and all safety measures are in place.

1. **Inspect the Tool:** Check for any damage to the cord, housing, or blades. Do not use the tool if any part is damaged.
2. **Blade Installation/Inspection:** Ensure the planing blades are securely installed and sharp. Refer to the maintenance section for blade replacement instructions.
3. **Set Cutting Depth:** Rotate the depth adjustment knob to select the desired cutting depth. The KW712 offers a variable cutting depth up to 2mm per stroke. Start with a shallow depth for initial passes and increase as needed.
4. **Dust Management:** Connect a suitable dust extraction system to the dust extraction port for a healthier and cleaner work environment.
5. **Secure Workpiece:** Always clamp your workpiece firmly to a stable surface to prevent movement during

planing.

5. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your wood planer.

1. **Power Connection:** Plug the planer into a suitable power outlet. The cord length is 3m, providing ample reach.
2. **Starting the Planer:** Hold the planer firmly with both hands. Position the front shoe flat on the workpiece, ensuring the blades are not touching the surface. Press the power switch to start the motor. Allow the motor to reach full speed (17,000 rpm no-load speed) before engaging the blades with the wood.
3. **Planing Technique:** Apply even pressure and move the planer smoothly across the workpiece. Maintain a consistent feed rate. For best results, plane with the grain of the wood.
4. **Depth Control:** The large depth of cut control allows for precise material removal. Make multiple shallow passes rather than one deep pass for better control and finish.
5. **Chamfering:** Utilize the V-Groove on the front shoe as a guide when chamfering edges. Position the V-Groove over the edge of the workpiece and guide the planer along.
6. **Stopping the Planer:** Release the power switch. Wait for the blades to come to a complete stop before setting the planer down.

6. MAINTENANCE

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

- **Cleaning:** After each use, disconnect the planer from the power supply. Use a brush or compressed air to remove sawdust and debris from the tool, especially around the blades and dust extraction port.
- **Blade Care:** Inspect the blades regularly for sharpness and damage. Dull or chipped blades can lead to poor performance and increased strain on the motor. Replace blades as a pair to maintain balance. Refer to your specific blade replacement instructions for detailed steps.
- **Cord Inspection:** Periodically check the power cord for cuts, abrasions, or other damage. Replace a damaged cord immediately.
- **Storage:** Store the planer in a dry, secure location out of reach of children.

7. TROUBLESHOOTING

If you encounter issues with your planer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Planer does not start	No power supply; Damaged cord/switch	Check power connection; Inspect cord and switch for damage.
Poor planing finish (rough surface, chatter marks)	Dull or damaged blades; Incorrect cutting depth; Inconsistent feed rate	Replace blades; Reduce cutting depth; Maintain steady feed rate.
Excessive vibration	Unbalanced blades; Loose components	Ensure blades are correctly installed and balanced; Tighten all fasteners.
Dust port clogging	Accumulated sawdust; Insufficient dust extraction	Clear the dust port; Ensure dust extraction system is properly connected and functioning.

If the problem persists, contact BLACK+DECKER customer support or a qualified service technician.

8. SPECIFICATIONS

Technical details for the BLACK+DECKER KW712 Corded Electric Wood Planer:

- **Model Number:** KW712
- **Power:** 650 Watts
- **No Load Speed:** 17,000 RPM
- **Maximum Cutting Depth:** 2 Millimeters
- **Cord Length:** 3 meters
- **Power Source:** Corded Electric
- **Base Material:** Aluminium
- **Colour:** Orange
- **Included Components:** Blade
- **ASIN:** B0CBSC73JZ

9. WARRANTY AND SUPPORT

For information regarding warranty coverage, service centers, or technical support, please refer to the warranty card included with your product or visit the official BLACK+DECKER website. Keep your purchase receipt as proof of purchase for any warranty claims.