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- › [Black+Decker](#) /
- › [Black+Decker RS890K/QS Multi-Purpose Saw User Manual](#)

### Black+Decker RS890K

# Black+Decker RS890K/QS Multi-Purpose Saw User Manual

Your versatile tool for cutting wood, metal, and plastic.

## PRODUCT OVERVIEW

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The Black+Decker RS890K/QS is a powerful 500W multi-purpose saw designed for a wide range of cutting tasks around the home and workshop. Its innovative design allows it to function as both a jigsaw and a hand saw, providing exceptional versatility. Equipped with electronic speed control and a tool-free blade change mechanism, this saw offers precision and convenience for various materials including wood, metal, plastic, and even branches.



Image: The Black+Decker RS890K/QS Multi-Purpose Saw, shown with its durable carrying case and included blades, highlighting its compact design and readiness for various tasks.

## SAFETY INFORMATION

Always observe basic safety precautions when using electric tools to reduce the risk of fire, electric shock, and personal injury. Read all instructions carefully before operation.

- **Wear Eye Protection:** Always wear safety goggles or safety glasses with side shields.
- **Wear Hearing Protection:** Use ear defenders during prolonged operation.
- **Wear Gloves:** Protective gloves are recommended, especially when handling blades or rough materials.
- **Secure Workpiece:** Always clamp or otherwise secure the workpiece to prevent movement during cutting.
- **Keep Work Area Clean:** Cluttered areas and benches invite injuries.
- **Avoid Dangerous Environment:** Do not use power tools in damp or wet locations, or expose them to rain. Keep work area well lit.
- **Unplug Tool:** Always unplug the tool from the power source before making any adjustments, changing accessories, or storing the tool.
- **Maintain Tool with Care:** Keep cutting tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories.

- **Check for Damaged Parts:** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function.

## COMPONENTS AND KEY FEATURES

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The Black+Decker RS890K/QS Multi-Purpose Saw is designed for ease of use and versatility. Key components and features include:

- **500 Watt Motor:** Provides ample power for various cutting applications.
- **Electronic Speed Control:** Allows for variable speed adjustment (0-2700 RPM) to match the cutting speed to the material.
- **Sliding Shoe:** Enables quick conversion between jigsaw and hand saw modes for different cutting requirements.
- **Tool-Free Blade Change:** Facilitates quick and easy blade replacement without the need for additional tools.
- **Ergonomic Handle:** Designed for comfortable and secure grip during operation.
- **Blade Length:** 23 mm stroke length for efficient cutting.
- **Cutting Capacity:** Capable of cutting wood up to 100 mm, metal up to 3 mm, plastic up to 50 mm, and branches up to 50 mm.

## SETUP

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### Blade Installation and Removal

The RS890K/QS features a tool-free blade change system for quick and easy blade replacement.

#### 1. To Install a Blade:

- Ensure the saw is unplugged from the power source.
- Locate the blade clamp lever on the front of the saw.
- Push the blade clamp lever fully open.
- Insert the shank of the desired blade into the blade clamp opening until it clicks into place. Ensure the blade teeth are facing the correct direction for cutting.
- Release the blade clamp lever. Gently pull on the blade to ensure it is securely locked.

#### 2. To Remove a Blade:

- Ensure the saw is unplugged from the power source and the blade has cooled down if recently used.
- Push the blade clamp lever fully open.
- The blade will release. Carefully remove the blade, avoiding contact with sharp edges.

**Note:** The product includes three blades suitable for various materials. Always select the appropriate blade for the material you intend to cut.

## OPERATING INSTRUCTIONS

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### General Operation

- **Power Connection:** Connect the saw to a suitable 230V AC power outlet.
- **Switching On/Off:** To switch on the tool, press the ON/OFF switch. To switch off the tool, release the ON/OFF switch.
- **Electronic Speed Control:** The saw features variable speed control. Apply more pressure to the trigger for

higher speeds, and less pressure for lower speeds. This allows for precise control depending on the material and desired cut.

## Cutting Modes and Applications

The RS890K/QS is designed for versatility, offering different cutting modes for various materials and tasks.

### 1. Jigsaw Mode (with sliding shoe)

This mode is ideal for precise cuts in wood, plastic, and thin metal, similar to a traditional jigsaw. The sliding shoe provides stability and control.



Image: The saw being used to cut a wooden plank, demonstrating its capability in jigsaw mode with the sliding shoe providing support.



Image: The saw cutting through a PVC pipe, showcasing its effectiveness on plastic materials in jigsaw mode.



Image: The saw cutting a metal pipe, illustrating its ability to handle thin metal with the appropriate blade.

## 2. Hand Saw Mode (for branches and larger cuts)

For cutting branches or performing rougher cuts where the sliding shoe is not required, the saw can be used in a hand saw configuration. This is particularly useful for pruning or cutting larger pieces of wood.



Image: The saw being used to cut a tree branch, demonstrating its application as a hand saw for outdoor tasks.

## MAINTENANCE

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Proper maintenance ensures the longevity and optimal performance of your Black+Decker RS890K/QS Multi-Purpose Saw.

- **Cleaning:** After each use, unplug the tool and clean the ventilation slots and the blade clamp area with a soft brush or dry cloth. Do not use water or chemical cleaners.
- **Blade Care:** Inspect blades regularly for sharpness and damage. Replace dull or damaged blades immediately to ensure efficient and safe cutting. Store blades in a dry place to prevent rust.
- **Cord Inspection:** Periodically check the power cord for any signs of damage, cuts, or fraying. If damaged, have it repaired by a qualified service technician.
- **Storage:** Store the tool in its carrying case in a dry, secure place out of reach of children. Ensure the tool is unplugged and blades are removed or safely secured before storage.

## TROUBLESHOOTING

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This section addresses common issues you might encounter with your multi-purpose saw.

Problem	Possible Cause	Solution
Saw does not start.	No power supply; Faulty power cord; Damaged switch.	Check power outlet and connection. Inspect power cord for damage. If cord or switch is damaged, seek professional repair.
Blade not cutting efficiently or getting stuck.	Dull or incorrect blade for material; Blade not securely installed; Excessive force applied.	Replace with a sharp, appropriate blade. Ensure blade is securely clamped. Allow the saw to do the work; do not force it.
Excessive vibration or noise.	Loose blade; Damaged blade; Internal mechanical issue.	Check blade for secure installation and damage; replace if necessary. If problem persists, contact customer support.
Saw overheats.	Blocked ventilation slots; Prolonged heavy use.	Ensure ventilation slots are clear. Allow the tool to cool down during prolonged use.

## SPECIFICATIONS

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Attribute	Value
Manufacturer	Stanley Black&Decker
Part Number	RS890K-QS
Product Dimensions	28.2 x 10.4 x 32.8 cm
Product Model Number	RS890K
Power (Wattage)	500 W
Color	Orange/Black
Style	Multi-Purpose Saw
Material	Various
Power Source	Corded Electric
Voltage	230 Volts
Item Package Quantity	1
Number of Pieces	1
Handle Material	Rubber
Blade Length	23 Millimeters (stroke length)
Speed	2700 Revolutions Per Minute (RPM)
Measurement System	Metric

Attribute	Value
Certification	CE
Special Features	Autoselect® Technology, Ergonomic handle
Cutting Capacity (Wood)	100 mm
Cutting Capacity (Metal)	3 mm
Cutting Capacity (Plastic)	50 mm
Cutting Capacity (Branches)	50 mm
Package Contents	RS890K Multi-Purpose Saw; 3x Blades; Carrying case
Batteries Included?	No
Battery Required?	No
Item Weight	3.69 Kilogram
Blade Material	Metal
Recommended Surface	Plastic, Metal, Wood

## WARRANTY AND SUPPORT

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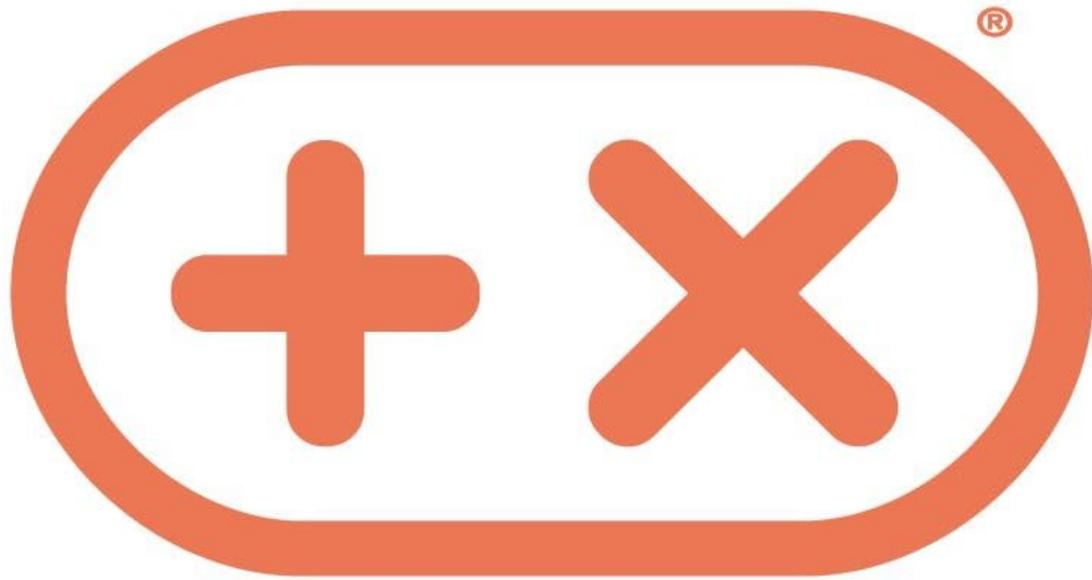
Black+Decker products are manufactured to high quality standards and are guaranteed for a period of **2 years** from the date of purchase against faulty materials or workmanship.

For detailed warranty terms, product registration, and customer support, please visit the official Black+Decker website:

[www.blackanddecker.com](http://www.blackanddecker.com)

For information regarding packaging recycling, please refer to:

[Stanley Black & Decker Packaging Recycling](#)



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Image: Rear view of the product packaging, indicating a 2-year guarantee and details for packaging recycling, reinforcing the brand's commitment to sustainability.

