

## SINGER 6180 Plus

# SINGER® Brilliance™ 6180 Plus Sewing Machine User Manual

Model: 6180 Plus (230401112)

## INTRODUCTION

Welcome to the SINGER® Brilliance™ 6180 Plus Sewing Machine. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your new sewing machine. Designed for ease of use, this machine offers 181 stitch applications, a heavy-duty metal frame for durability, an LCD screen for easy stitch selection, a built-in needle threader, and six one-step buttonhole styles.

Please read this manual thoroughly before operating the machine to ensure safe and efficient use.

## IMPORTANT SAFETY INSTRUCTIONS

When using an electrical appliance, basic safety precautions should always be followed, including the following:

- Always unplug the machine from the electrical outlet immediately after using and before cleaning, removing covers, or making any user servicing adjustments.
- Do not allow to be used as a toy. Close attention is necessary when this appliance is used by or near children.
- Use this appliance only for its intended use as described in this manual. Use only attachments recommended by the manufacturer as contained in this manual.
- Never operate this appliance if it has a damaged cord or plug, if it is not working properly, if it has been dropped or damaged, or dropped into water.
- Never drop or insert any object into any opening.
- Do not use outdoors.
- Do not operate where aerosol (spray) products are being used or where oxygen is being administered.
- To disconnect, turn all controls to the off position, then remove plug from outlet.

## COMPONENTS OVERVIEW

Your SINGER® Brilliance™ 6180 Plus Sewing Machine comes with a variety of essential accessories to enhance your sewing experience. Familiarize yourself with these components before beginning your projects.

### Included In Box



**\$200**  
Value

Accessories included

Image: The SINGER Brilliance 6180 Plus Sewing Machine shown with its various included accessories, such as different presser feet, bobbins, needles, and the foot pedal.

### Included Components:

- 6180 BRILLIANCE Plus Sewing Machine with Extension Table
- All Purpose Foot
- Zipper Foot
- Buttonhole Foot
- Button Sewing Foot
- Blind Hem Foot
- Invisible Zipper Foot

- Overcasting Foot
- Roller Foot
- Bobbins (Class-15 Metal)
- Pack of Needles
- Other Essential Accessories
- Documentation (this manual)

## SETUP

### Unpacking and Placement:

Carefully remove the machine from its packaging. Place the machine on a stable, flat surface. Ensure there is adequate space around the machine for comfortable operation and fabric handling.

### Power Connection:

Connect the foot controller plug into the machine's receptacle and the power cord plug into a suitable electrical outlet. Ensure the machine's power switch is in the 'OFF' position before connecting.

### Attaching the Extension Table:

The included extension table provides a larger work surface, ideal for bigger projects. To attach, align the table's pegs with the corresponding holes on the machine's free arm and gently push until it clicks into place.



Image: The SINGER Brilliance 6180 Plus Sewing Machine shown with its extension table securely attached, providing an expanded work area.

### Winding the Bobbin:

Proper bobbin winding is crucial for consistent stitch quality. Place an empty bobbin onto the bobbin winder spindle. Follow the threading guides to route the thread from the spool pin to the bobbin. Engage the bobbin

winder and press the foot controller to begin winding. Stop when the bobbin is full.



Image: A close-up view of the SINGER Brilliance 6180 Plus Sewing Machine demonstrating the process of winding thread onto a bobbin.

### **Threading the Machine:**

Ensure the presser foot is raised and the needle is in its highest position. Follow the numbered threading path indicated on the machine, guiding the thread through all tension discs and guides. Utilize the built-in needle threader for effortless threading of the needle eye.



Image: A close-up showing hands using the built-in needle threader on the SINGER Brilliance 6180 Plus, simplifying the threading process.

## OPERATING

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### Stitch Selection:

The Brilliance 6180 Plus features an LCD screen and intuitive buttons for stitch selection. Simply press the desired stitch number, and the machine will automatically set the optimum stitch length and width. You can further customize these settings using the adjustable length and width buttons.

### Using Presser Feet:

Your machine comes with 8 different presser feet, each designed for specific sewing tasks. To change a presser foot, raise the presser foot lever, press the release button on the back of the foot holder, and snap the new foot into place. Refer to the included documentation for specific uses of each foot.

### Sewing Buttonholes:



The machine offers 6 styles of one-step buttonholes. Attach the buttonhole foot and place the button in the designated slot on the foot. Select the desired buttonhole stitch on the LCD screen. The machine will automatically sew the buttonhole to the correct size based on the button inserted.



Image: A close-up shot demonstrating the automatic one-step buttonhole feature of the SINGER Brilliance 6180 Plus, showing a buttonhole being sewn on fabric.

### Using the Free Arm:

To sew cylindrical items like cuffs, sleeves, or trouser hems, remove the accessory storage compartment to expose the free arm. This narrow arm allows fabric to be easily maneuvered around the needle area.



Image: The SINGER Brilliance 6180 Plus Sewing Machine with its removable free arm detached, illustrating how it provides access for sewing smaller, cylindrical projects.

## MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your sewing machine.

### Cleaning:

Periodically clean lint and dust from the bobbin case area and feed dogs using a small brush. Unplug the machine before cleaning. Do not use compressed air, as it can push lint further into the machine.

### Needle Replacement:

Replace the needle frequently, especially after every 8-10 hours of sewing or when starting a new project. A dull or bent needle can cause skipped stitches, thread breakage, or damage to fabric. Use only SINGER® brand needles suitable for your machine and fabric type.

### Storage:

When not in use, cover your sewing machine to protect it from dust. Store it in a dry, stable environment.

## TROUBLESHOOTING

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Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Skipped Stitches	Incorrect needle, bent needle, improper threading, wrong needle size for fabric.	Replace needle, re-thread machine, ensure correct needle type/size.
Thread Breaking	Improper threading, tension too tight, poor quality thread, bent needle, burr on needle plate.	Re-thread machine, adjust tension, use quality thread, replace needle, check for burrs.
Bobbin Thread Jamming	Improperly wound bobbin, incorrect bobbin insertion, lint in bobbin case.	Re-wind bobbin correctly, re-insert bobbin, clean bobbin case area.
Machine Not Starting	Power cord not plugged in, foot controller not connected, power switch off.	Check all connections, ensure power switch is on.

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please refer to the support section.

## SPECIFICATIONS

Feature	Detail
Product Dimensions	16"D x 8.5"W x 12.5"H (16 x 8.5 x 12.5 inches)
Item Weight	13.8 pounds
Manufacturer	SINGER
Model Number	230401112
ASIN	B0FDXCJSJ9T
UPC	840163304702
Color	White
Stitch Applications	181 (Basic, decorative, stretch stitches)
Frame	Heavy-Duty Metal Frame
Bobbin Type	Front Load Bobbin (Class-15 Metal)
Display	LCD Touch Screen
Needle Threader	Built-in



Feature	Detail
Buttonhole Styles	6 One-Step Styles
Presser Feet	8 Included
Extension Table	Included

## WARRANTY AND SUPPORT

### Warranty Information:

Your SINGER® Brilliance™ 6180 Plus Sewing Machine is covered by a manufacturer's warranty. Please refer to the separate warranty card included with your purchase for specific terms, conditions, and duration of coverage. Keep your proof of purchase for warranty claims.

### Customer Support:

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact SINGER customer support. Visit the official SINGER website for the most current contact information, including phone numbers, email support, and online resources.

You can also visit the SINGER Store on Amazon for additional product information and support resources: [SINGER Store](#)