

## SINGER SGM-M3405

# SINGER SGM-M3405 Household Sewing Machine User Manual

**Model:** SGM-M3405

**Brand:** SINGER

## 1. INTRODUCTION

The SINGER SGM-M3405 is a versatile household sewing machine designed to meet a wide range of sewing needs, from basic repairs to creative decorative projects. Featuring 23 stitch patterns, including essential, stretch, and decorative options, this machine offers flexibility for various fabrics and techniques. Its user-friendly design incorporates features such as a one-step buttonhole, adjustable stitch length and width, an integrated needle threader, and a bright LED light for enhanced visibility. The heavy-duty metal frame ensures stability and durability, making it a reliable tool for all your sewing endeavors.

## 2. IMPORTANT SAFETY INSTRUCTIONS

To ensure safe operation and prevent injury or damage, please read and follow these instructions carefully:

- Always unplug the machine from the electrical outlet when cleaning, lubricating, or when the machine is not in use.
- Keep fingers away from all moving parts. Special care is required around the sewing machine needle.
- Use the correct needle plate. The wrong plate can cause the needle to break.
- Do not pull or push fabric while stitching. This may deflect the needle and cause it to break.
- Turn the sewing machine off when making any adjustments in the needle area, such as threading the needle, changing the needle, threading the bobbin, or changing the presser foot.
- Use only genuine SINGER accessories and parts.
- Never operate the machine with any air openings blocked. Keep ventilation openings of the sewing machine and foot controller free from the accumulation of lint, dust, and loose cloth.

## 3. PARTS IDENTIFICATION

Familiarize yourself with the main components of your SINGER SGM-M3405 sewing machine:



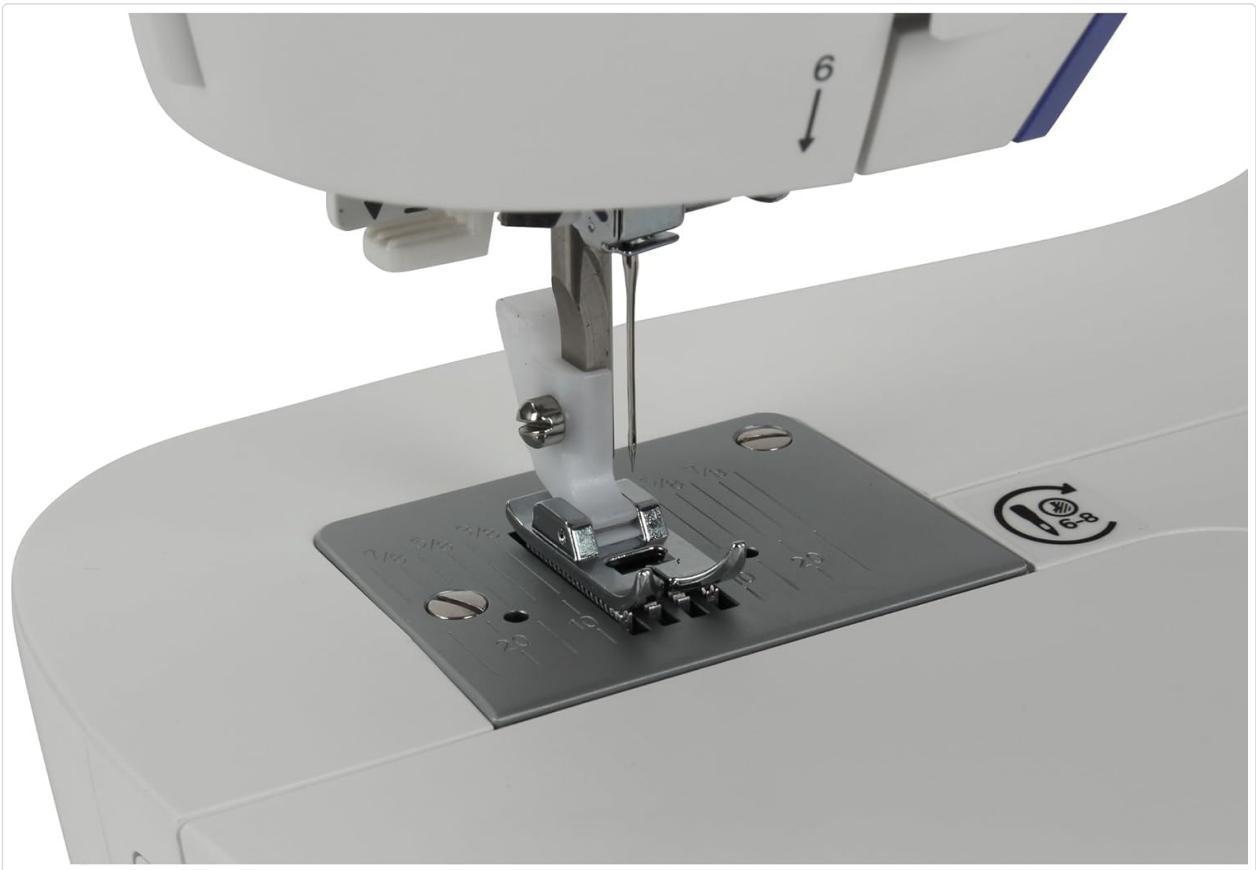
*Figure 3.1: Front view of the SINGER SGM-M3405 sewing machine, highlighting the main body, needle area, and stitch selection dial.*



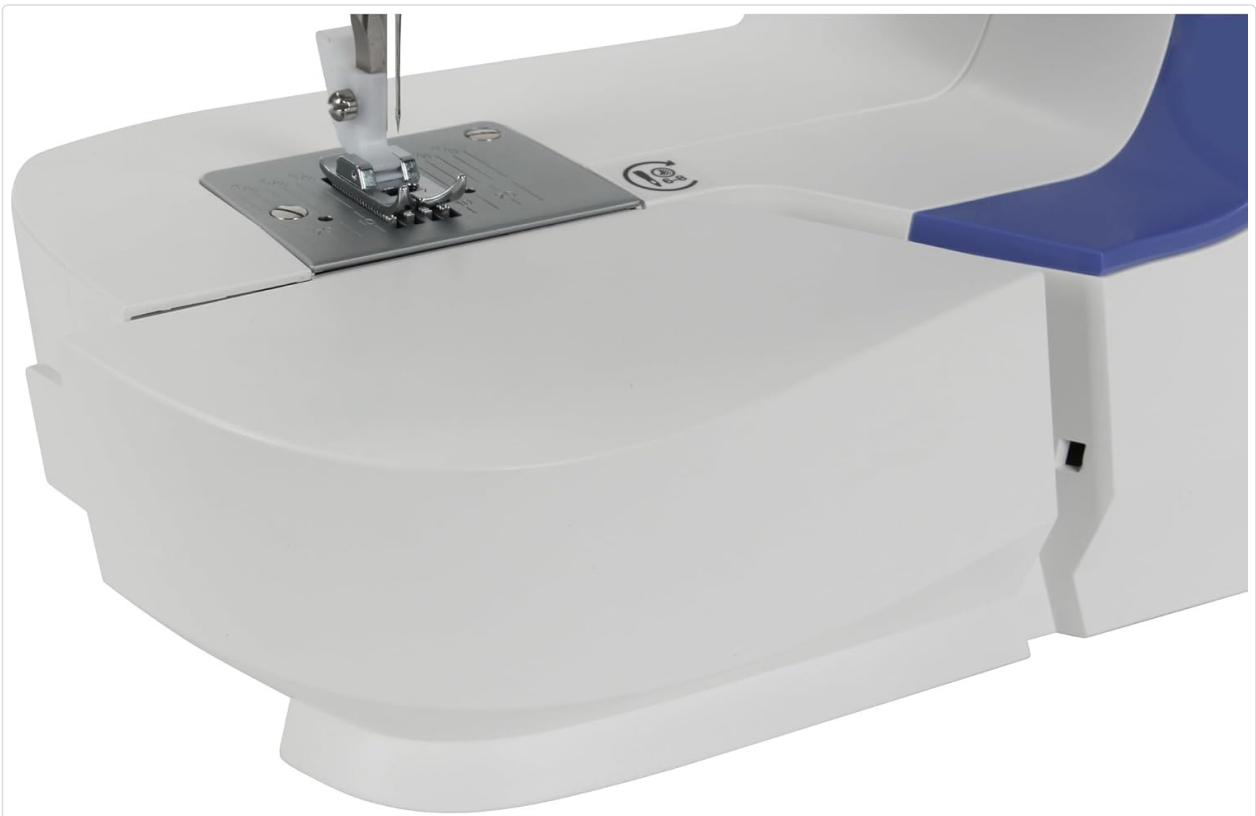
Figure 3.2: Top view of the machine, illustrating the upper thread path, tension dial, and bobbin winder.



Figure 3.3: Detailed view of the stitch selection dial, clearly showing the various stitch patterns available.



*Figure 3.4: Close-up of the needle plate, feed dogs, and presser foot, essential for fabric movement and stitch formation.*



*Figure 3.5: The free arm, revealed by removing the accessory storage box, is ideal for sewing cylindrical items like cuffs and pant hems.*



*Figure 3.6: The removable accessory storage box, which also serves as an extension table for flat sewing.*



*Figure 3.7: A selection of standard accessories included with the machine, such as various presser feet, needles, and bobbins.*



*Figure 3.8: Rear view of the machine, showing the power input and main power switch.*

## **4. SETUP AND INITIAL USE**

### **4.1 Unpacking**

Carefully remove the machine from its packaging. Retain all packaging materials for future storage or transport. Ensure all included accessories are present as shown in Figure 3.7.

### **4.2 Power Connection**

Locate the power input socket at the rear of the machine (Figure 3.8). Connect the power cord to the machine and then to a suitable electrical outlet (127 Volts). Turn on the main power switch, also located at the rear.

### **4.3 Winding the Bobbin**

1. Place an empty bobbin onto the bobbin winder spindle on the top right of the machine (Figure 3.2).

2. Place a spool of thread on the spool pin.
3. Guide the thread through the bobbin winding tension disc.
4. Wind the thread clockwise around the bobbin a few times.
5. Push the bobbin winder spindle to the right.
6. Gently press the foot controller. The bobbin will begin to wind.
7. Once the bobbin is full, the winding will stop automatically. Cut the thread and push the spindle back to the left.

#### 4.4 Inserting the Bobbin (Front-Loading)

1. Open the bobbin case cover located at the front of the machine, beneath the needle plate.
2. Insert the wound bobbin into the bobbin case, ensuring the thread unwinds in the correct direction (usually counter-clockwise).
3. Pull the thread through the tension spring of the bobbin case.
4. Close the bobbin case cover securely.

#### 4.5 Threading the Upper Thread

1. Raise the presser foot lifter.
2. Place a spool of thread on the spool pin.
3. Guide the thread through the upper thread guide.
4. Bring the thread down through the right channel, around the U-turn, and up through the left channel (Figure 3.2).
5. Pass the thread through the take-up lever from right to left.
6. Bring the thread down through the remaining guides to the needle.
7. Use the built-in needle threader or manually thread the needle from front to back.

#### 4.6 Raising the Bobbin Thread

1. Hold the upper thread lightly with your left hand.
2. Turn the handwheel towards you (counter-clockwise) to lower the needle into the needle plate and then raise it.
3. The upper thread will catch the bobbin thread, forming a loop.
4. Pull the loop to bring the bobbin thread up through the needle plate opening.
5. Pull both upper and bobbin threads under the presser foot and towards the back of the machine.

### 5. OPERATING THE MACHINE

---

#### 5.1 Stitch Selection

The SGM-M3405 offers 23 stitch patterns. To select a stitch, simply turn the stitch selection dial (Figure 3.3) until the desired stitch pattern aligns with the indicator mark. The dial clearly displays basic, stretch, and decorative stitches.

#### 5.2 Adjusting Stitch Length and Width

The machine features separate dials for adjusting stitch length and width, providing creative control over your projects. Turn the stitch length dial to increase or decrease the length of your stitches. Turn the stitch width dial



to adjust the width of zigzag and decorative stitches. Experiment with different settings to achieve desired effects for various sewing techniques and decorative applications.

### 5.3 Sewing a Seam

1. Place the fabric under the presser foot, aligning the edge with the desired seam allowance guide on the needle plate.
2. Lower the presser foot.
3. Gently press the foot controller to start sewing.
4. To secure the beginning and end of a seam, use the reverse lever to sew a few stitches backward, then forward again.
5. When finished, raise the needle to its highest position, lift the presser foot, and pull the fabric away from the machine.
6. Cut the threads using the thread cutter located on the machine.

### 5.4 One-Step Buttonhole

The SGM-M3405 simplifies buttonhole creation with its one-step feature. Attach the buttonhole foot. Place the button you intend to use into the buttonhole foot's holder. The machine will automatically sew a buttonhole perfectly sized for your button, ensuring consistent results every time.

### 5.5 Using the Free Arm

To access the free arm (Figure 3.5), simply slide off the removable accessory storage compartment (Figure 3.6). The free arm is ideal for sewing small, cylindrical items such as cuffs, collars, pant hems, and children's clothing, allowing the fabric to rotate freely around the arm.

### 5.6 Using the Needle Threader

The integrated needle threader provides quick and easy needle threading. With the needle in its highest position, lower the threader mechanism and align the small hook with the needle eye. Guide the thread through the hook, and it will pull the thread through the needle eye as you release the mechanism.

### 5.7 LED Lighting

The long-lasting LED light illuminates the sewing area, providing clear visibility and eliminating shadows. This feature is particularly useful when working on dark fabrics or in dimly lit environments, enhancing precision and reducing eye strain.

## 6. MAINTENANCE

---

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

### 6.1 Cleaning

Periodically clean the lint and dust from the bobbin area and feed dogs using a small brush. Always unplug the machine before cleaning. Do not use harsh chemicals or abrasive materials.

### 6.2 Lubrication

Refer to your machine's specific lubrication points if indicated in the full manual. Many modern sewing machines, including this model, are designed to be self-lubricating in key areas and may not require user lubrication.



### 6.3 Needle Replacement

Replace the needle regularly, especially if it becomes bent, dull, or if you notice skipped stitches. To replace, loosen the needle clamp screw, remove the old needle, insert a new needle with the flat side facing the back, and tighten the screw securely.

## 7. TROUBLESHOOTING

This section addresses common issues you might encounter and their solutions.

Problem	Possible Cause	Solution
Skipped Stitches	Incorrect needle, bent needle, improper threading, wrong needle size for fabric.	Change needle, re-thread machine, ensure correct needle type/size.
Thread Breaking	Incorrect threading, too much upper thread tension, poor quality thread, bent needle.	Re-thread, adjust tension, use good quality thread, replace needle.
Tangled Thread (Bird's Nest)	Improper upper threading, incorrect bobbin insertion, incorrect tension.	Re-thread upper and bobbin, check bobbin insertion, adjust tension.
Machine Not Sewing	Machine unplugged, power switch off, bobbin winder engaged, foot controller not connected.	Check power, ensure bobbin winder is disengaged, check foot controller connection.

## 8. TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	SINGER
Model Number	SGM-M3405 (230218102)
Color	White/Blue
Product Dimensions (L x W x H)	38 x 20 x 30 cm
Item Weight	6 Kilograms
Power/Wattage	70 Watts
Voltage	127 Volts
Material	Metal (Heavy-Duty Metal Frame)
Automatic Shut-off	No
Noise Level	44 Decibels
Stitch Patterns	23 (Basic, Stretch, Decorative)

Feature	Specification
Buttonhole Type	One-Step
Bobbin Type	Front-Loading
Lighting	LED
Free Arm	Yes
Needle Threader	Yes

## 9. WARRANTY AND CUSTOMER SUPPORT

---

For information regarding your product's warranty, please refer to the warranty card included with your purchase or visit the official SINGER website. For technical assistance, spare parts, or service inquiries, please contact SINGER customer support through their official channels. Keep your proof of purchase for warranty claims.