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› [somfy](#) /

› [Somfy LT50 506S2 Sonesse RTS Motor Instruction Manual](#)

## somfy LT50 506S2

# Somfy LT50 506S2 Sonesse RTS Motor Instruction Manual

Model: LT50 506S2

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Somfy LT50 506S2 Sonesse RTS motor. This motor is designed for use in various automated window covering applications, offering quiet and reliable performance with Radio Technology Somfy (RTS) for convenient control.

Please read this manual thoroughly before proceeding with installation or operation to ensure proper use and to maximize the lifespan of your product.

## 2. SAFETY INFORMATION

- **Electrical Safety:** Installation must be performed by a qualified electrician in accordance with all local and national electrical codes. Ensure power is disconnected before any wiring or maintenance.
- **Proper Use:** This motor is intended for specific window covering applications. Do not use it for purposes other than those specified by Somfy.
- **Children and Pets:** Keep children and pets away from operating window coverings.
- **Obstructions:** Ensure there are no obstructions in the path of the window covering during operation.
- **Maintenance:** Only perform maintenance as described in this manual. Refer all other servicing to qualified personnel.

## 3. PACKAGE CONTENTS

Upon unpacking, please verify that all components are present and undamaged. The package for your Somfy LT50 506S2 Sonesse RTS motor should include:

- Somfy LT50 506S2 Sonesse RTS Motor
- Power Cord

**Note:** Accessories such as the crown, drive, and mounting plate are **not included** with the motor and must be purchased separately to suit your specific installation requirements.

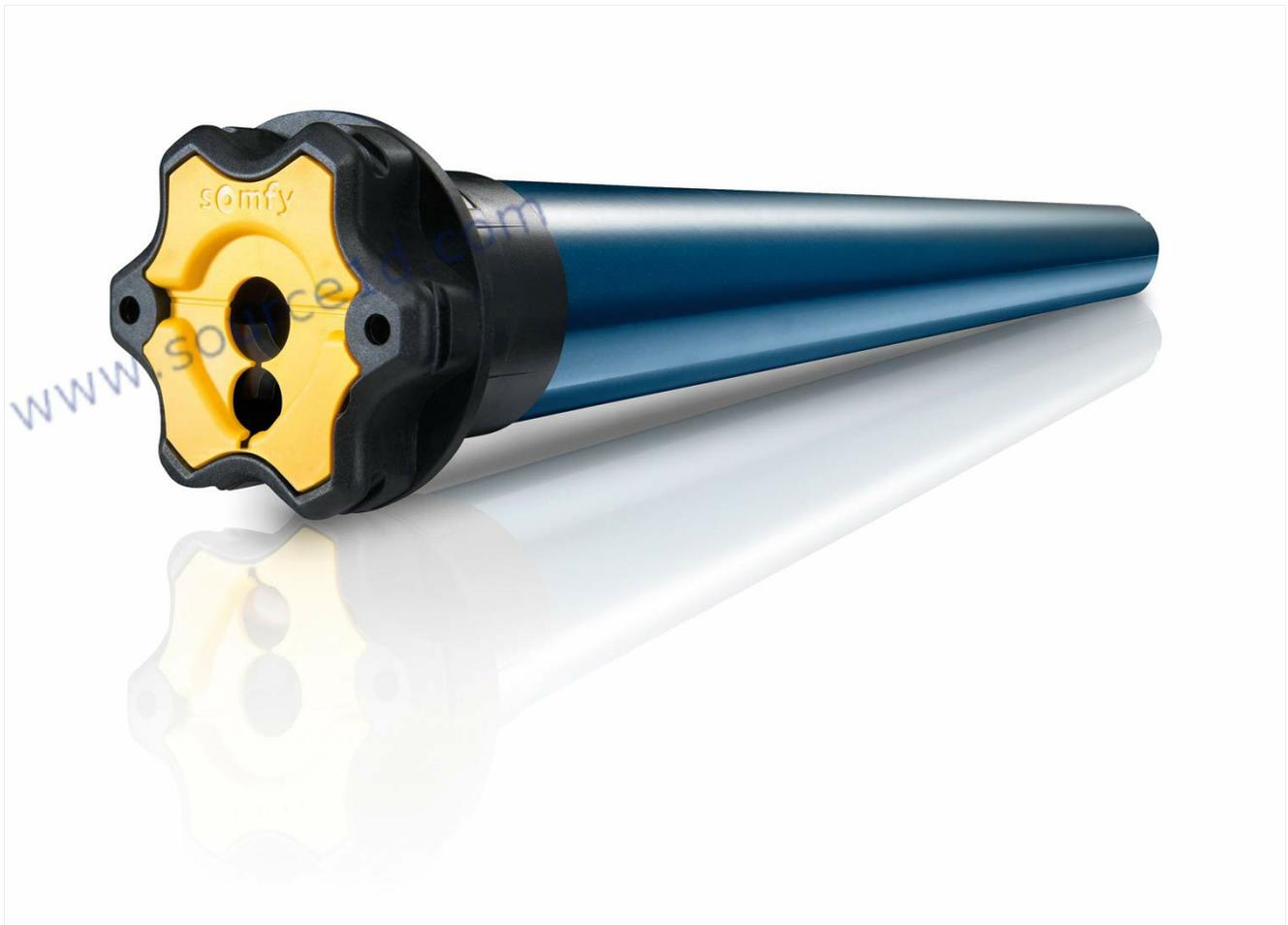


Image 1: Somfy LT50 506S2 Sonesse RTS Motor. This image shows the full motor unit, typically installed within a tube for automated window coverings.

## 4. SETUP AND INSTALLATION

Installation of the Somfy LT50 506S2 Sonesse RTS motor requires careful attention to detail and adherence to electrical safety standards. It is highly recommended that installation be performed by a professional installer or a qualified electrician.

### 4.1 Pre-Installation Checks

- Ensure the power supply matches the motor's requirements (120V).
- Verify that the tube diameter and mounting brackets are compatible with the LT50 motor.
- Confirm you have all necessary accessories (crown, drive, mounting plates) for your specific application.

### 4.2 Motor Installation

1. **Prepare the Tube:** Cut the tube to the appropriate length for your window covering.
2. **Attach Crown and Drive:** Secure the crown and drive accessories to the motor head. The crown engages with the inside of the tube, and the drive fits into the tube's end.
3. **Insert Motor into Tube:** Carefully slide the motor, with attached crown and drive, into the tube. Ensure it is fully seated.
4. **Mount the Assembly:** Install the tube assembly into the mounting brackets, ensuring it is level and securely fastened.
5. **Electrical Connection:** Connect the motor's power cord to the 120V electrical supply. This step must be done by a qualified professional.



Image 2: Close-up of one end of the Somfy motor, showing the drive mechanism where the crown and drive accessories attach.



Image 3: Close-up of the other end of the Somfy motor, featuring the Radio Technology Somfy (RTS) logo, indicating wireless control capability.

## 5. OPERATING INSTRUCTIONS

The Somfy LT50 506S2 Sonesse RTS motor operates using Radio Technology Somfy (RTS), allowing wireless control via compatible Somfy remote controls or wall switches (sold separately).

### 5.1 Pairing a Remote Control

1. **Power On:** Ensure the motor is powered on.
2. **Locate Program Button:** On your Somfy remote control, locate the program (PROG) button, usually a small recessed button on the back or side.
3. **Press Program Button on Existing Remote (if applicable):** If you are adding a new remote to an already programmed motor, briefly press the PROG button on an existing, already paired remote until the motor jogs (moves slightly up and down).
4. **Press Program Button on New Remote:** Immediately after the motor jogs, briefly press the PROG button on the new remote control you wish to pair. The motor will jog again, confirming successful pairing.

### 5.2 Setting Limits (Up/Down Positions)

Setting the upper and lower limits is crucial for proper operation and to prevent damage to your window covering.

1. **Adjust to Upper Limit:** Use the UP or DOWN buttons on your remote to move the window covering to your desired upper limit.
2. **Confirm Upper Limit:** Press and hold the MY button and the UP button simultaneously until the motor jogs. This sets the upper limit.
3. **Adjust to Lower Limit:** Use the UP or DOWN buttons to move the window covering to your desired lower limit.
4. **Confirm Lower Limit:** Press and hold the MY button and the DOWN button simultaneously until the motor jogs. This sets the lower limit.

5. **Finalize Limits:** Briefly press the PROG button on the remote until the motor jogs. This saves both limits.

### 5.3 Basic Operation

- **UP Button:** Moves the window covering upwards.
- **DOWN Button:** Moves the window covering downwards.
- **MY Button:** Stops the window covering during movement or recalls a pre-programmed "favorite" intermediate position.

## 6. MAINTENANCE

The Somfy LT50 506S2 Sonesse RTS motor is designed for long-term, maintenance-free operation. However, periodic checks can help ensure optimal performance.

- **Cleaning:** Keep the motor and surrounding area free from dust and debris. Use a soft, dry cloth for cleaning. Do not use abrasive cleaners or solvents.
- **Cable Inspection:** Periodically inspect the power cord for any signs of damage, fraying, or wear. If damage is found, disconnect power immediately and contact a qualified technician for replacement.
- **Mounting Security:** Occasionally check that the motor and window covering assembly remain securely mounted in their brackets.

No internal user-serviceable parts are present. Do not attempt to open or repair the motor yourself, as this will void the warranty and could lead to electrical hazards.

## 7. TROUBLESHOOTING

If you encounter issues with your Somfy LT50 506S2 Sonesse RTS motor, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Motor does not respond to remote.	No power to motor. Remote battery is dead. Remote not paired. Remote out of range.	Check power supply and connections. Replace remote battery. Follow pairing instructions (Section 5.1). Move closer to the motor.
Motor jogs but does not move fully.	Limits not set correctly. Obstruction in path.	Reset and set limits (Section 5.2). Check for and remove any obstructions.
Motor makes unusual noises.	Internal mechanical issue. Improper installation/alignment.	Contact Somfy support or a qualified technician. Verify proper installation and alignment of the motor within the tube and brackets.

If the problem persists after attempting these solutions, please contact Somfy customer support for further assistance.

## 8. SPECIFICATIONS

Feature	Specification
Brand	Somfy

Feature	Specification
Model	LT50 506S2 Sonesse RTS
Torque	6 Nm
Speed	32 RPM
Voltage	120 Volts
Horsepower (Watts)	6 Watts
Material	Metal
Item Weight	0.01 Ounces <i>(Note: This weight seems unusually low and might be a data entry error. Refer to product packaging for accurate weight.)</i>
Package Dimensions	29.5 x 4 x 3.8 inches
UPC	685248788127

## 9. WARRANTY INFORMATION

The Somfy LT50 506S2 Sonesse RTS motor comes with a **5-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use and service.

The warranty does not cover damage resulting from:

- Improper installation or wiring.
- Accident, abuse, misuse, or neglect.
- Unauthorized repairs or modifications.
- Failure to follow operating or maintenance instructions.

For warranty claims, please retain your proof of purchase and contact Somfy customer support.

## 10. CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Somfy customer support.

- **Online Resources:** Visit the official Somfy website for FAQs, additional documentation, and support contacts.  
[www.somfy.com](http://www.somfy.com)
- **Contact Information:** Refer to the Somfy website for the most current contact details, including phone numbers and email support.