

Chamberlain CHSL400EVC

Chamberlain CHSL400EVC Sliding Gate Motor User Manual

Model: CHSL400EVC

1. PRODUCT OVERVIEW

The Chamberlain CHSL400EVC is a robust motorization solution designed for sliding gates. It offers efficient and quiet operation for gates weighing up to 400 kg and with a maximum width of 4 meters. This system incorporates a soft start and stop function for smooth and careful gate movement. It is also compatible with myQ technology for smart control via smartphone or tablet (myQ Starter Kit sold separately).



Image 1.1: The Chamberlain CHSL400EVC sliding gate motor system, including the main motor unit, two remote controls, and two infrared photocells. This image provides a comprehensive view of the primary components included in the package.

Key Features:

- **High Capacity:** Supports sliding gates up to 400 kg and 4 meters wide.
- **Smooth Operation:** Features soft start and stop for quiet and gentle gate movement.

- **Energy Efficient:** Consumes only 4.45 W in standby mode.
- **myQ Compatibility:** Ready for integration with myQ smart home technology for remote access and control (optional accessory).
- **Comprehensive Kit:** Includes motor, control panel, remote controls, infrared photocells, unlocking keys, and rack.

2. PACKAGE CONTENTS

Before beginning installation, verify that all components listed below are present in your package. If any items are missing or damaged, please contact customer support.



Image 2.1: An overhead view displaying all components included in the Chamberlain CHSL400EVC sliding gate motor kit. This includes the motor unit, remote controls, photocells, rack segments, mounting hardware, and the instruction manual.

- 1x Motor with control panel
- 2x 4-channel Remote Controls
- 1x Infrared Photocell Barrier (pair)
- 2x Unlocking Keys
- Rack segments (totaling 1x33 cm, typically multiple pieces)
- Installation Manual
- Mounting Hardware (screws, washers, etc.)

3. SETUP AND INSTALLATION

Proper installation is crucial for the safe and efficient operation of your sliding gate motor. It is recommended that installation be performed by a qualified professional. Always refer to the detailed installation manual provided in the package for specific instructions, safety warnings, and wiring diagrams.

General Installation Steps (Consult detailed manual for specifics):

1. **Site Preparation:** Ensure the gate area is clear and level. Verify the gate moves freely and smoothly on its track.
2. **Motor Mounting:** Securely mount the motor unit on a stable, level concrete base adjacent to the gate. The motor should be positioned so its drive gear aligns correctly with the gate's rack.
3. **Rack Installation:** Attach the rack segments along the bottom edge of the gate, ensuring they are level and properly meshed with the motor's drive gear. Leave a small gap (approx. 1-2mm) between the rack and the gear to allow for thermal expansion and smooth operation.
4. **Photocell Installation:** Mount the infrared photocells on opposite sides of the gate opening, ensuring they are aligned and at the recommended height. These provide a safety barrier to prevent the gate from closing if an obstruction is detected.
5. **Electrical Connection:** Connect the motor to the main power supply according to local electrical codes and the provided wiring diagram. Ensure all connections are secure and insulated.
6. **Limit Switch Adjustment:** Adjust the motor's limit switches to define the fully open and fully closed positions of the gate.
7. **Remote Control Programming:** Program the remote controls to operate the gate motor.
8. **Safety Testing:** Perform thorough safety tests, including photocell functionality and emergency stop procedures, before regular use.



Image 3.1: An illustration showing the Chamberlain sliding gate motor installed at the base of a modern sliding gate. This demonstrates the typical placement and integration of the motor with the gate structure.

4. OPERATING INSTRUCTIONS

The Chamberlain CHSL400EVC sliding gate motor is designed for user-friendly operation. The primary method of control is via the included remote controls. For advanced features and remote access, the optional myQ Starter Kit can be integrated.

4.1. Using the Remote Control



Image 4.1: A close-up view of the Chamberlain 4-channel remote control. This remote is used to send commands to the gate motor, such as opening, closing, or stopping the gate.

- **Open/Close:** Press the designated button on your remote control to initiate the gate's movement. A single press typically toggles between opening, stopping, and closing.
- **Stop:** Press the same button again during gate movement to stop the gate at any desired position.
- **Multiple Gates:** If you have multiple Chamberlain devices, the 4-channel remote allows you to program different buttons for different devices.

4.2. Manual Release

In case of a power outage or system malfunction, the gate can be operated manually using the provided unlocking keys. Insert the key into the manual release mechanism on the motor unit and turn it to disengage the motor, allowing the gate to be moved by hand.

4.3. myQ Smart Home Integration (Optional)

The CHSL400EVC motor is compatible with the myQ Smart Home Starter Kit (sold separately). This technology allows you to control and monitor your gate from anywhere using your smartphone or tablet via the myQ app.

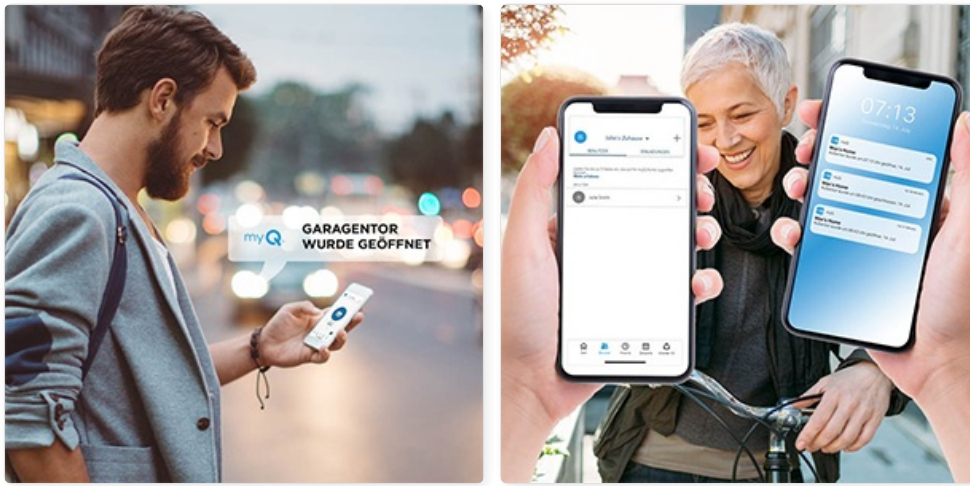


Image 4.2: Examples of myQ app usage. The left image shows a user receiving a notification about their garage door (or gate) status. The right image displays two smartphones with the myQ app interface, highlighting its remote control and monitoring capabilities.

- **Remote Control:** Open or close your gate from anywhere with an internet connection.
- **Status Alerts:** Receive real-time notifications on your phone when the gate opens or closes.
- **Activity History:** View a log of gate activity.

5. MAINTENANCE

Regular maintenance ensures the longevity and reliable operation of your Chamberlain sliding gate motor. Perform these checks periodically:

- **Clean the Motor Unit:** Keep the motor housing free from dust, dirt, and debris. Use a soft, dry cloth.
- **Inspect the Rack and Gear:** Check the gate rack and the motor's drive gear for any signs of wear, damage, or obstructions. Ensure the rack is securely fastened to the gate.
- **Lubricate Moving Parts:** Apply a suitable lubricant to the gate's wheels, hinges, and any other moving parts to ensure smooth operation. Avoid lubricating the motor's internal components unless specified in the detailed manual.
- **Check Photocell Alignment:** Ensure the infrared photocells are clean and perfectly aligned. Obstructions or misalignment can prevent the gate from closing.
- **Test Safety Features:** Periodically test the safety features, such as the photocells, by placing an object in the gate's path to ensure it reverses or stops.
- **Power Supply Check:** Ensure the power cable is intact and connections are secure.

For detailed maintenance schedules and procedures, refer to the complete installation and maintenance manual.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your Chamberlain CHSL400EVC sliding gate motor. For more complex problems, consult a qualified technician or the full troubleshooting guide in your manual.

Problem	Possible Cause	Solution
Gate does not respond to remote control.	Remote control battery is dead. Remote control is out of range. Remote control not programmed. Power outage to the motor.	Replace remote control battery (CR2032). Move closer to the gate motor. Refer to the manual for remote programming instructions. Check power supply to the motor.

Problem	Possible Cause	Solution
Gate stops or reverses unexpectedly.	Photocells are obstructed or misaligned. Obstruction in the gate's path. Force settings are too sensitive.	Clean and align photocells. Remove any obstructions. Consult manual for adjusting force settings.
Motor runs but gate does not move.	Manual release is engaged. Rack is disengaged from the motor gear. Motor gear or rack is damaged.	Disengage manual release using the key. Check rack alignment and attachment. Inspect for damage; contact service if necessary.
Gate moves slowly or with difficulty.	Lack of lubrication on gate components. Excessive friction in gate track/wheels. Motor overload.	Lubricate gate wheels and track. Check gate for physical obstructions or damage. Ensure gate weight is within specifications.

7. TECHNICAL SPECIFICATIONS

Below are the detailed technical specifications for the Chamberlain CHSL400EVC sliding gate motor:

Specification	Value
Model Number	CHSL400EVC
Input Voltage	230 - 240 V, 50 Hz
Motor Voltage	24V DC
Speed	160 mm/s
Standby Power Consumption	4.45 W (without accessories)
Max Gate Width	4 m
Max Gate Weight	400 kg
Product Weight	12 kg
Power	110 W
Product Dimensions (L x W x H)	13 x 9 x 35 cm
Torque	12 Newton-meters
Included Batteries	Yes (for remote controls, CR2032)

8. WARRANTY AND SUPPORT

For information regarding the product warranty, please refer to the warranty card included in your product packaging or visit the official Chamberlain website. Warranty terms and conditions may vary by region.

For technical support, spare parts, or service inquiries, please contact Chamberlain customer service. Contact details can

typically be found on the manufacturer's website or in the product documentation.

Note: Information regarding spare parts availability was not provided in the product details. Please contact the manufacturer directly for spare parts inquiries.

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This manual is for informational purposes only. Always refer to the official product manual for complete and up-to-date instructions and safety information.

Related Documents

	Chamberlain Garage Door & Gate Openers, Roller Shutter Drives - Product Catalog Explore Chamberlain's comprehensive range of smart garage door openers, gate operators, and roller shutter drives. Discover innovative myQ technology for enhanced home security and convenience, along with a wide selection of accessories.
	Chamberlain 953EVC Visor Remote Control Product Label Product label details for the Chamberlain 953EVC Visor Remote Control Transmitter, including model number 953EVC, FCC ID HBW0690, IC 2666A-0690, manufacturer information, and patent details.
	Chamberlain Belt Drive Garage Door Opener Installation Manual (Models B2202, B2212T, B2405, B4505T) Comprehensive installation manual for Chamberlain Belt Drive Garage Door Openers, including models B2202, B2212T, B2405, and B4505T. Learn how to safely install and set up your new garage door opener.
	Chamberlain Belt Drive Battery Backup Garage Door Opener User Manual This user manual provides detailed instructions for the Chamberlain Belt Drive Battery Backup Garage Door Opener. It covers assembly, installation, operation, safety precautions, and troubleshooting for models including HD920EV, HD930EV, LW5000EV, WD962KEV, WD962KPEV, WD962MLEV, and 349544. Learn how to ensure safe and efficient operation of your garage door opener.



[Chamberlain Garage Door & Gate Openers, Roller Shutter Drives - Product Catalog](#)

Explore Chamberlain's comprehensive range of smart garage door openers, gate operators, and roller shutter drives. Discover innovative myQ technology for enhanced home security and convenience, along with a wide selection of accessories.

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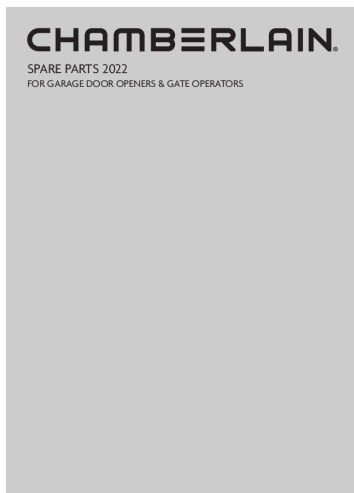


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Holger Geissler Spare parts lijst JeGr Onderdelen accessoires openers van superjackpro Chamberlain
overzicht onderdelen 2022 nl |||

SPARE PARTS 2022 FOR GARAGE DOOR OPENERS GATE OPERATORS TABLE
OF CONTENT 2 GARAGE DOOR OPENERS ... 00, ML5000 21 ML500, HE60,
GPD60-65, PSGTA60 23 GATE OPERATORS CHLA250EVC 25 CHAA250EVC 27
CHSL400EVC 29 TPD10-05, HC260ML 31 HC624ML-05 33 TPD500-05 35
HC280ML, HC300ML, HC400ML 37 ...

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Prijslijst Hekopener .nl

Tel: +31(0)20-4899.459 Geldig vanaf 1 juli 2022.

Bruto Prijslijst exclusief BTW en verzendkosten.

PRODUCT:	ARTIKEL NUMMER:	OMSCHRIJVING:	PRIJS:
Merk Liftmaster			
Vleugelhekoopeners			
	LA250EVK-01	Complete sets incl. fotocellen, schroefset, handzender	729,00
	LA300VK-01	Gate opener 5M 24V EVO	1040,91
	LA300VK-01	Gate opener 5M 24V EVO	1439,35
	LA250EVK-01	Gate opener 5M 24V EVO	860,85
	SUR2NAM	Gate opener ondergrondse 5M 24V EVO voor enkeltje poort (prij-25%)	1825,00
Schuifhekoopeners			
	S1400EVK-01	Sliding gate opener 5M 24V EVO	632,24
	S1800EVK-01	Sliding gate opener 5M 24V EVO	740,92
	S1100EVK-01	Sliding gate opener 12M 24V EVO	884,85
Accessoires			
	PR121LM	Stalen rails 12M incl. schroeven	25,85
	PR121LM	Stalen rails 6M 24V incl. schroeven	16,33
	TX4EVF	Handzender 4-kanaals	44,04
	TX4LUNF	Handzender universeel	40,00
	772EV	88 kHz afzender	57,88
	528EV	Multi-Internet Gateway	91,50
	FLAS-LED	LED verlichtingsarmatuur	29,50
	780EV	Draadloos coderingsarmatuur	99,00
	800EV	3-kanaals ontvanger	70,37
	5VIG-ANT	Externe antenne	64,36
	100041	Securiteitschakelaar opbouw	61,74
	STAB2100	Maatlied ontvanger	236,73
	PA-AGSL1	Inductieve instelbare opener	41,42
	400EV	Backup battery 24V	83,46

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Administrator Prijslijst Hekopener.nl SuperJack 1 lug 2022 — Merk Liftmaster Vleugelhekoopeners

Complete sets incl fotocellen schroefset handzenders etc € LA250EVK 01 Gate opener 5M 24V EVO 4
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24V EVO knikarm Schuifhekoopeners **CHSL400EVC** schuifhekoopener set tot 4M
Accessoires TX4RUNI 4-kanaals handzender 747REV Draadloos...

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