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Schellenberg Smart DRIVE 10

Schellenberg Smart DRIVE 10 Garage Door Motor Instruction Manual

Model: Smart DRIVE 10 (60910)

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Schellenberg Smart DRIVE 10 Garage Door Motor. Please read this manual thoroughly before beginning installation or operation to ensure safe and efficient use of the product.



Image 1.1: The Schellenberg Smart DRIVE 10 Garage Door Motor, including the main drive unit, track, and remote controls.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to property.

- Ensure the garage door is balanced and in good working condition before installing the motor.
- Keep children and pets away from the garage door area, especially during operation.
- Do not allow children to operate the garage door opener or play with remote controls.
- Install the wall control button out of reach of children and away from moving parts of the door.
- The electronic obstacle detection system is designed to protect people and objects. However, always ensure the path of the garage door is clear.
- In case of a power outage, use the emergency release to manually operate the door.
- Only qualified personnel should perform electrical connections. Disconnect power before any maintenance or repair.

3. PACKAGE CONTENTS

Verify that all components are present in the package before beginning installation.



Image 3.1: Contents of the Schellenberg Smart DRIVE 10 package.

- Schellenberg Smart DRIVE 10 Motor Unit
- Drive Rail with pre-assembled chain
- 2 x Handheld Transmitters (Remote Controls)
- Mounting Hardware (brackets, screws, bolts)
- Emergency Release (for internal use)
- Instruction Manual

4. TECHNICAL SPECIFICATIONS

Key technical data for the Schellenberg Smart DRIVE 10 Garage Door Motor:

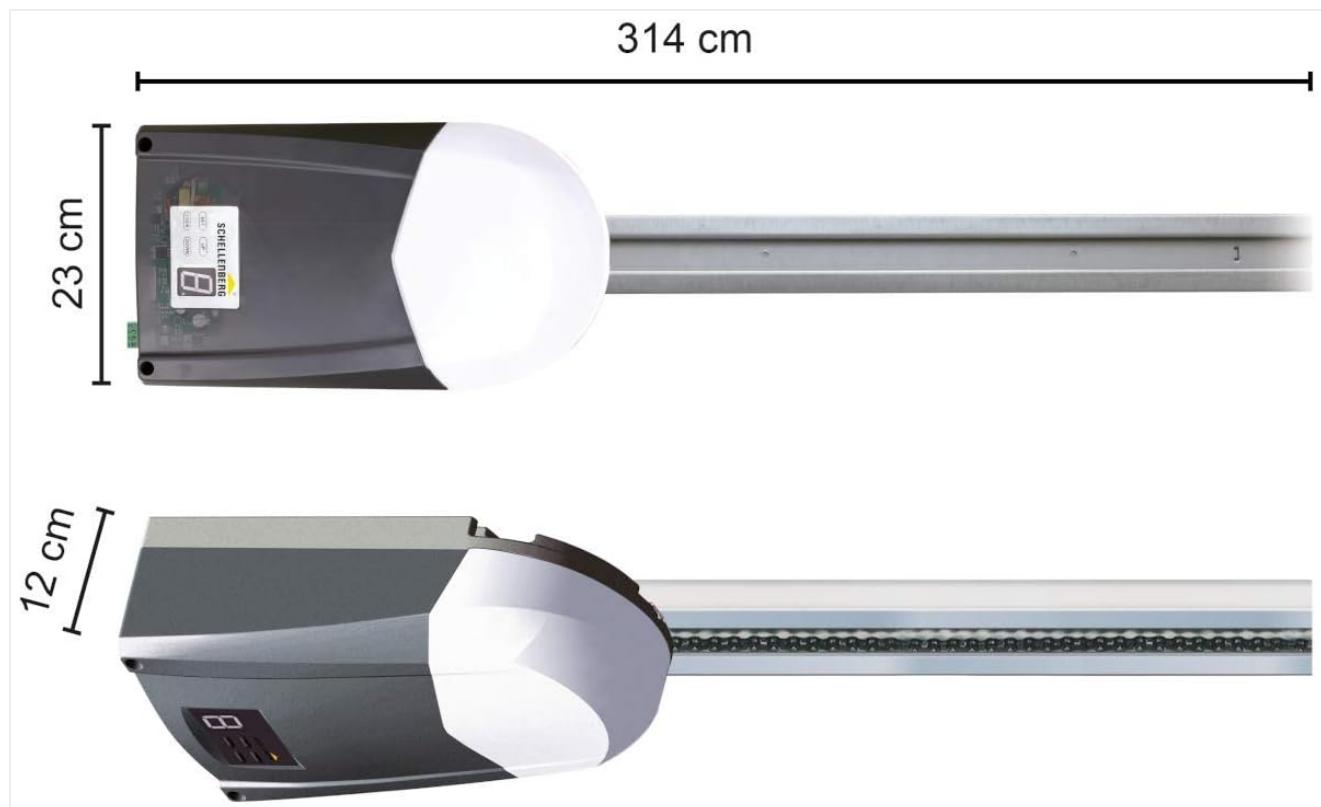


Image 4.1: Dimensions of the Smart DRIVE 10 motor and rail assembly.

Feature	Specification
Model	Smart DRIVE 10 (60910)
Max. Tensile Force	600 N (approx. 60 kg)
Max. Door Area	10 m ²
Max. Door Height (Swing Doors)	2.35 m
Max. Door Width (Sectional Doors)	4.2 m
Min. Ceiling Distance	35 mm
Frequency	433.92 MHz
Power Supply	220-240V AC / 50/60Hz
Control Voltage	24V DC
Standby Consumption	5 Watts
Lighting	LED
Operating Transmitter Range	Max. 30 meters (outdoor)
Product Dimensions (L x W x H)	112 x 23 x 19 cm (Motor head + drive length: 3.14 m)
Weight	14.52 kg

5. INSTALLATION

The Schellenberg Smart DRIVE 10 is designed for quick and easy installation, with up to 90% of the unit pre-assembled. It is suitable for both swing doors and sectional doors.

5.1 Pre-Installation Checks

- Ensure your garage door operates smoothly and is properly balanced.
- Verify that the required clearances are met: a minimum of 35mm distance from the ceiling.
- The installation area must be dry and protected from splashing water.

5.2 Mounting the Drive Unit and Rail

1. Assemble the drive rail sections. The continuous drive chain is pre-assembled on one part of the rail and needs to be extended onto the other sections.
2. Attach the motor head to the assembled drive rail.
3. Mount the entire assembly to the ceiling of your garage, ensuring it is centered with the garage door. Secure it firmly using the provided mounting hardware. It is recommended to have assistance due to the weight and length of the unit.
4. Connect the door arm to the garage door and the trolley on the drive rail.



Image 5.1: Example of the Smart DRIVE 10 motor installed above a garage door.

5.3 Electrical Connection

- Connect the motor to a standard 220-240V AC power outlet using the provided power supply.
- Optional external switching elements (e.g., wall buttons) and light barriers can be connected to the designated terminals. Refer to the wiring diagram in the full manual for specific connections.



Image 5.2: Wiring terminal for optional external connections.

5.4 Programming End Stops

After installation, program the opening and closing end stops according to the detailed instructions in the complete manual. This ensures the door opens and closes to the correct positions.

6. OPERATION

6.1 Using the Remote Control

The garage door motor is operated using the included handheld transmitters.



Image 6.1: The Smart DRIVE 10 motor and its remote controls.

- Press a button on the remote control to open or close the garage door.
- The motor features a soft start and soft stop function, which gently accelerates and decelerates the door, reducing wear and tear.

6.2 Safety Features

- **Electronic Obstacle Detection:** If the door encounters an obstacle during closing, it will automatically reverse to prevent damage or injury.
- **Emergency Release:** In case of a power failure, the emergency release allows you to manually open or close the garage door from the inside.
- **Thermal Protection:** The motor is equipped with thermal protection to prevent overheating.
- **Electronic Road Sensor (Hall Sensor):** Ensures precise positioning and reliable operation.

6.3 Integrated LED Lighting

The motor unit includes bright, energy-saving LED lighting that illuminates the garage when the door is operated. The lighting features an automatic shutdown function.



Image 6.2: Installed motor with LED lighting activated.

7. MAINTENANCE

The Schellenberg Smart DRIVE 10 Garage Door Motor is designed for low maintenance.

- **Drive Chain:** The continuous drive chain is pre-greased and designed for excellent window display and high service life, requiring minimal maintenance.
- **Regular Inspection:** Periodically check the garage door and motor for any signs of wear, damage, or loose connections.
- **Cleaning:** Keep the motor unit and track free from dust and debris. Use a soft, dry cloth for cleaning. Do not use abrasive cleaners or solvents.
- **Door Balance:** Ensure the garage door remains properly balanced. An unbalanced door can put undue strain on the motor.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your garage door motor.

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Motor does not respond to remote control.	<ul style="list-style-type: none"> ◦ No power to the unit. ◦ Remote control battery is dead. ◦ Remote control is out of range. ◦ Remote control not programmed. 	<ul style="list-style-type: none"> ◦ Check power connection and circuit breaker. ◦ Replace remote control battery. ◦ Move closer to the garage door. ◦ Refer to the programming section in the full manual.
Door reverses unexpectedly during closing.	<ul style="list-style-type: none"> ◦ Obstacle in the door's path. ◦ Electronic obstacle detection sensitivity too high. ◦ Door is unbalanced or has excessive friction. 	<ul style="list-style-type: none"> ◦ Clear any obstructions. ◦ Adjust sensitivity settings (refer to full manual). ◦ Inspect door for proper balance and lubrication.
Door does not open or close completely.	<ul style="list-style-type: none"> ◦ End stops not correctly programmed. ◦ Door travel limits need adjustment. 	<ul style="list-style-type: none"> ◦ Reprogram the end stops (refer to full manual).
Motor makes unusual noises.	<ul style="list-style-type: none"> ◦ Lack of lubrication on door components. ◦ Loose hardware. ◦ Chain tension incorrect. 	<ul style="list-style-type: none"> ◦ Lubricate door rollers, hinges, and springs. ◦ Check and tighten all mounting hardware. ◦ Adjust chain tension (refer to full manual).
Power outage occurs.	<ul style="list-style-type: none"> ◦ No electrical power. 	<ul style="list-style-type: none"> ◦ Use the internal emergency release to operate the door manually. All programmed data is saved automatically.

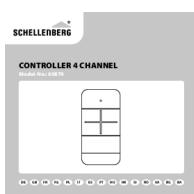
9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your product or visit the official Schellenberg website. Keep your proof of purchase for warranty claims.

Manufacturer: Schellenberg

Model Number: 60910

Date First Available: 17 September 2015

	<p>Schellenberg Funk-Codierschloss 60872: Montage- und Bedienungsanleitung</p> <p>Detaillierte Anleitung für das Schellenberg Funk-Codierschloss Modell 60872. Erfahren Sie, wie Sie das Gerät installieren, PIN-Codes ändern und mit Garagentorantrieben koppeln. Mehrsprachig verfügbar.</p>
	<p>SCHELLENBERG Smart DRIVE 10, 14 Garagentorantrieb Montageanleitung</p> <p>Umfassende Montageanleitung für den SCHELLENBERG Smart DRIVE 10 und Smart DRIVE 14 Garagentorantrieb. Enthält Sicherheitshinweise, Installationsschritte, technische Daten und Garantieinformationen.</p>
	<p>Schellenberg Rollladen-Gurtwickler Maxi Safety Instructions and Warnings</p> <p>Read important safety precautions and warnings for the Schellenberg Rollladen-Gurtwickler Maxi (model 10425049) from Alfred Schellenberg GmbH. Ensure safe usage and handling.</p>
	<p>SCHELLENBERG Notentriegelungsschloss Modell 60611 Montageanleitung</p> <p>Montageanleitung für das SCHELLENBERG Notentriegelungsschloss, Modell 60611. Bietet detaillierte Anweisungen für die sichere und korrekte Installation dieses Sicherheitsgeräts.</p>
	<p>Schellenberg Controller 4 Channel Model 60870 User Manual</p> <p>User manual for the Schellenberg Controller 4 Channel, model number 60870. Provides instructions for configuration and operation of this 4-channel controller, including support for various drive systems.</p>
	<p>Schellenberg Garagentorantrieb 600P, 700P, 850P Bedienungsanleitung</p> <p>Umfassende Anleitung für den Schellenberg Garagentorantrieb Modelle 600P, 700P und 850P. Enthält Informationen zu Montage, Bedienung, Sicherheitshinweisen und Fehlerbehebung.</p>