## SOMMER S11813-00001

# SOMMER RUNner Set Sliding Gate Operator User Manual

Model: S11813-00001

## Product Overview

The SOMMER RUNner sliding gate operator is designed for robust and reliable operation of sliding gates up to 8 meters wide and 600 kg in weight. It features advanced safety mechanisms, quiet operation, and a long service life due to its gentle soft-start and soft-stop functions. This manual provides essential information for the setup, operation, and maintenance of your RUNner system.

### Included Components:

- Sliding gate operator RUNner
- Motor control unit
- SOMup4 radio receiver (FM 868.95 MHz SOMloq2, 40 radio memory slots), pluggable
- Slot for Memo memory expansion (450 radio commands)
- Pearl Vibe 4-command hand transmitter (# 4019V000) with haptic feedback
- 4 meters of plastic rack with steel core, including mounting material (expandable to max. 8,000 mm)



Figure 1: Complete SOMMER RUNner Set including the operator unit, the plastic rack with steel core, and the Pearl Vibe hand transmitter.

## Setup and Installation

Installation of the SOMMER RUNner system should be performed by qualified personnel in accordance with local regulations and safety standards. Ensure all power is disconnected before beginning any installation work.

### Mounting the Operator Unit:

The operator unit should be securely mounted on a stable, level surface next to the gate. Ensure adequate clearance for gate movement and access to the emergency release mechanism. The unit is designed to be robust and corrosion-resistant.



Figure 2: Front view of the SOMMER RUNner operator unit, showing the manual release mechanism.

## Installing the Rack:

Attach the plastic rack with steel core along the bottom edge of the sliding gate. Ensure the rack is level and properly aligned with the operator's gear. The included 4 meters of rack can be extended up to 8 meters if required.



Figure 3: Example of the SOMMER RUNner operator installed alongside a sliding gate, demonstrating the rack attachment.

### Electrical Connection and Control Unit:

Connect the operator to a 230 Volt power supply. The motor control unit and the SOMup4 radio receiver are integrated. The SOMup4 receiver plugs into the control unit and manages radio commands from the hand transmitters.




Figure 4: The SOMup4 radio receiver module, which plugs into the control unit for radio communication.

## Operating Instructions

### Using the Hand Transmitter:

The Pearl Vibe 4-command hand transmitter allows convenient operation of the gate. Pressing a programmed button will initiate the gate's movement (open, close, stop). The transmitter provides haptic feedback (vibration) to confirm the radio command has been sent.




Figure 5: The Pearl Vibe hand transmitter, used for remote operation of the gate.

### Safety Features (DPS):

The RUNner operator features a Dynamic Power System (DPS) which continuously monitors the force required to move the gate. If an obstacle is detected (indicated by a sudden increase in required force), the operator will stop or reverse to prevent injury or damage. Additional safety accessories like photocells or safety contact strips can be integrated for enhanced protection.

### Soft-Start and Soft-Stop:

The operator incorporates soft-start and soft-stop functions. The gate begins and ends its movement at a reduced speed, which minimizes wear and tear on both the gate and the operator, extending their lifespan and ensuring quiet operation.

### Partial Opening:

The partial opening function allows the gate to open only a portion of its full width, useful for pedestrian access or bicycles without fully opening the gate.

### Automatic Closing:

If configured, the automatic closing feature will close the gate automatically after a set period once a photocell has been passed, ensuring the property remains secure.

### Emergency Release:

In case of a power outage, the mechanical emergency release allows you to manually open or close the gate. This mechanism can be disengaged with minimal effort even under strong pressure on the drive.

### Optional Battery Pack:

An optional battery pack can be connected to provide emergency power to the operator during a power failure, allowing continued operation.

### SOMloq2 Radio System:

- **Secure Encryption:** The SOMloq2 radio system uses 128-bit AES encryption with rolling code for maximum security against unauthorized access.
- **Repeating Radio Signal (Autorepeat):** The autorepeat function ensures comfortable opening when approaching the property by repeating the radio signal in a specific cycle for optimal reception.
- **Extended Radio Range (Hop Function):** The innovative hop function increases the radio range by allowing SOMloq2 receivers to forward radio signals.
- **Backward Compatibility:** SOMloq2 transmitters are backward compatible with the Somloq rolling code radio

system, allowing them to control existing SOMMER operators and radio receivers.

## Maintenance

Regular maintenance ensures the longevity and reliable operation of your SOMMER RUNner system. It is recommended to perform visual inspections periodically.

- **Cleaning:** Keep the operator unit and the gate rack clean from dirt, debris, and obstructions.
- **Lubrication:** Consult the detailed installation manual for specific lubrication requirements for moving parts, if any.
- **Component Check:** Periodically check all mounting screws, electrical connections, and safety devices (e.g., photocells) for proper function and secure attachment.
- **Gate Movement:** Ensure the gate moves freely and smoothly along its track. Any resistance can put undue strain on the operator.

The soft-start and soft-stop features inherently reduce mechanical stress, contributing to the system's long-term durability.

## Troubleshooting

This section addresses common issues you might encounter. For more complex problems, please refer to the comprehensive technical manual or contact SOMMER customer support.

| Problem | Possible Cause | Solution |
|---|---|---|
| Gate does not move. | No power supply; Emergency release engaged; Obstacle detected; Remote control battery low. | Check power connection; Disengage emergency release; Remove obstacles; Replace remote control battery. |
| Gate stops unexpectedly. | Obstacle detected by DPS; Safety device (photocell) triggered. | Check for and remove obstacles in the gate's path; Ensure safety devices are clear and functioning correctly. |
| Remote control not working. | Battery low/dead; Out of range; Not properly programmed. | Replace battery; Move closer to the receiver; Refer to programming instructions in the full manual. |
| Gate moves slowly or with difficulty. | Friction in gate mechanism; Dirt/debris on rack or wheels; Motor issue. | Clean rack and gate wheels; Check gate for mechanical issues; Contact service if problem persists. |

## Technical Specifications

| Specification | Value |
|---|---|
| Brand | SOMMER |
| Model Number | S11813-00001 |
| Max. Gate Weight | 600 kg |
| Max. Gate Width | 8 m |
| Max. Opening Speed | 210 mm/s |

| Specification | Value |
|---|---|
| Duty Cycle | ED 40% S3 |
| Max. Torque | 20 Nm |
| Power Supply | 230 Volt |
| Power Consumption | 125 Watt |
| Product Dimensions | 100 x 30 x 30 cm |
| Item Weight | 18.5 Kilograms |
| Color | Anthracite |
| Material | Plastic, Metal |
| Radio System | SOMloq2 (868.95 MHz) |

## Warranty and Support

For detailed warranty information, please refer to the official warranty documentation provided with your product or visit the SOMMER official website. Warranty terms typically cover manufacturing defects under normal use.
For technical support, spare parts, or service inquiries, please contact SOMMER customer service. You can find contact details on the manufacturer's website or in the comprehensive product manual.
**Manufacturer:** SOMMER Antriebs- und Funktechnik GmbH

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