



## Wall transmitter

### Rojaflex WSR-1 | WSR-2

For Rojaflex radio tubular motors and radio receivers

# ORIGINAL ASSEMBLY AND OPERATING INSTRUCTIONS

Eine aktuelle Vollversion der Anleitung finden Sie hier/  
You can find a current full version of the manual here/  
Vous trouverez ici une version complète et actuelle du mode d'emploi/  
Puede encontrar una versión completa actual del manual aquí/  
Potete trovare una versione completa attuale del manuale qui/  
Een actuele volledige versie van de handleiding vindt u hier/  
Aktualną, pełną wersję podręcznika można znaleźć tutaj/  
A kézikönyv aktuális, teljes verzióját itt találja:

Original Montageanleitung **DE**

Original instructions **EN**

Mode d'emploi original **FR**

Instrucciones originales **ES**

Manuale d'uso originale **IT**

Originele gebruiksaanwijzing **NL**

Oryginalna instrukcja obsługi **PL**

Eredeti összeszerelési útmutató **HUN**



# 1| 2 - channel wall transmitter

for Rojaflex radio tubular motors and radio receivers

**WSR-1**

**WSR-2**



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Art.-Nr.

WSR-1 90100084

WSR-2 90100085

### ATTENTION!

After unpacking, compare the device type with the corresponding information on the type plate. Incomplete devices or devices that do not comply with the information must not be put into operation and a complaint must be lodged with our customer service (see contact information) before commissioning.



EU Declaration of Conformity according to Article 10(9):

Herewith declares Schoenberger Germany Enterprises GmbH & Co. KG, Hohenschäftlarn, that the radio system type rojaflex handheld transmitter "**WSR-1 | WSR-2**" complies with the directive 2014/53/EU.

The full text of the EU Declaration of Conformity is available at the following Internet address:  
[www.rojaflex.com/konformitaetserklaerungen.html](http://www.rojaflex.com/konformitaetserklaerungen.html)

 **WARNING!**
**Important safety instructions!**

- For the safety of persons it is important to follow these instructions!
- Please keep the manual and hand it over to the new owner in case of change of ownership!
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children are not allowed to play with the device.
- Cleaning and maintenance by the user must not be carried out by children without supervision.

 **WARNING!**

**The motor controlled by the radio control (the transmitter) must be disconnected from its power source during cleaning, maintenance and replacement of parts!**

 **WARNING!**

**There is a danger to life from electric shock when working on electrical equipment!**

**Observe the instructions and safety instructions of the drive/receiver controlled by the radio control as well as the corresponding instructions of the driven roller shutter or sun protection system!**

 **ATTENTION!**
**The following instructions must be observed!**

The range of radio controls is regulated by the legal requirements for radio systems and is influenced by structural conditions, among other things.

When planning, make sure you have adequate radio reception.

This is especially true if the radio transmitter is located in a different room than the radio receiver, and therefore the radio signal must penetrate walls or ceilings.

Do not install the radio control in the direct vicinity of large metallic surfaces. Other transmitting equipment (e.g. radio headphones, baby monitors, radio weather stations) whose transmission frequency is identical to that of the radio control unit may interfere with reception.

 **Attention!**

It is essential to observe the instructions for correct use and the operating conditions!

**In case of improper use, there is an increased risk of damage to the controlled system!**

- Use the radio control (transmitter) only for connection to roller shutter, awning and blind motors or their receivers.

- Deactivate the automatic functions of the radio control in case of snowfall, icing or danger of frost to avoid damage to the motor or the driven equipment.
- Only use original components and accessories from the manufacturer.
- Instruct all persons in the safe use of the radio control and the motor controlled by it.
- During commissioning, observe the moving equipment (roller shutter, awning, blind) and keep people away from it until the movement is finished.
- Prohibit children from playing with the radio control.
- Store the handheld transmitter in such a way that unintentional operation, e.g. by children playing, is prevented.
- Secure the controlled system against unauthorized operation.
- Take safety precautions against unintentional switch-on.
- Carry out all cleaning work on the system in a de-energized state.
- Use caution when operating the open/extended system as parts may fall if fasteners (e.g. springs) weaken or are broken.
- Never use defective or damaged equipment.
- Check that the motor controlled by the radio control and the motor power cable are intact.

 **WARNING!**

**The use of faulty equipment can endanger persons and cause damage to property.**

**Regularly check the radio control and the system it controls for proper functioning and keep people away from it until the check for proper functioning has been completed!**

**Please contact our service department (see "Contact information" page) if you notice any damage to the device.**

 **ATTENTION!**

**After unpacking, compare the device type with the corresponding information on the type plate.**

**Incomplete devices or devices that do not meet the specifications must not be put into operation.**

 **IMPORTANT!**

**Disposal instructions!**

**(European Directive 2012/19/EU (WEEE))**

Our electrical and electronic products are marked with a crossed-out wheeled garbage can, indicating that these products and any batteries they may contain must be collected separately at the end of their useful life and must not be disposed of with normal household waste.



The substances contained in these products may have negative effects on health and the environment, so users of electrical products and batteries also have a responsibility in recycling these waste materials and in this way contribute to the protection, preservation and improvement of the environment.

### Obligation for separate disposal

Our duty as manufacturers is, among other things, to inform you of your obligation to separate disposal.

- When disposing of products with batteries, remove them from the product and dispose of them separately.
- When disposing of illuminants, they must be disposed of separately to the receptacle.

### Return option and Recycling program EU

We are connected to public-law return systems throughout Europe and thus offer our customers access to a Europe-wide network of local recycling facilities (recycling centers, take-back points or similar).

Our products are professionally recycled via these local facilities. This reduces the amount of waste - to the benefit of the environment.

### Our registration numbers:

|   | Reg. no.*              |
|---|------------------------|
| <b>WEEE</b>                             | <b>DE 41060608</b>     |
| <b>Battery</b>                          | <b>DE 88866710</b>     |
| <b>Illuminant</b>                       |                        |
| <b>Transport and Shipping packaging</b> | <b>DE5768543732165</b> |

\*For registration data of other European countries, see Contact Information page.

A take-back by us as manufacturer according to §19 WEEE is not to be asserted.

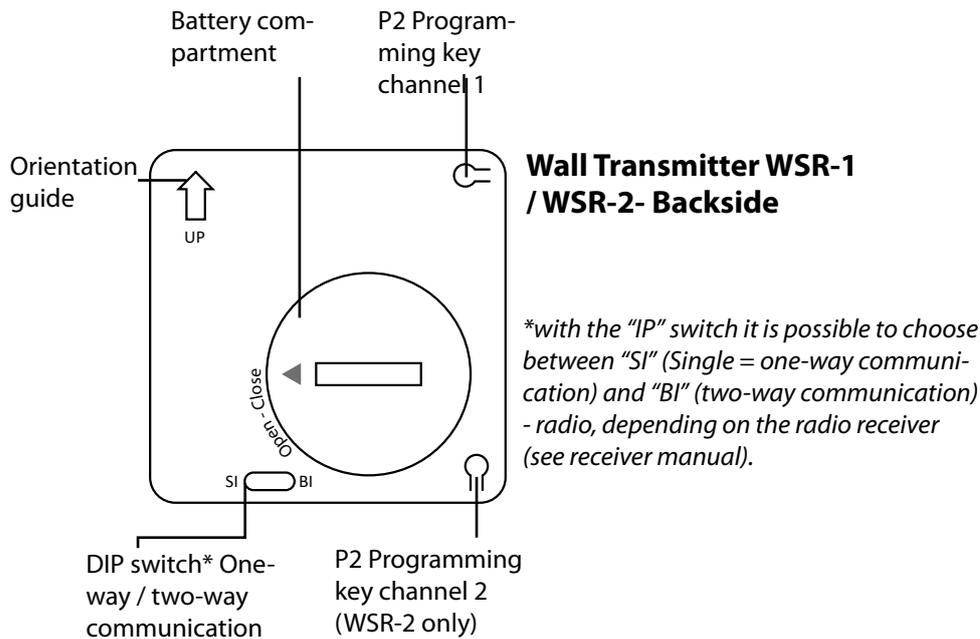
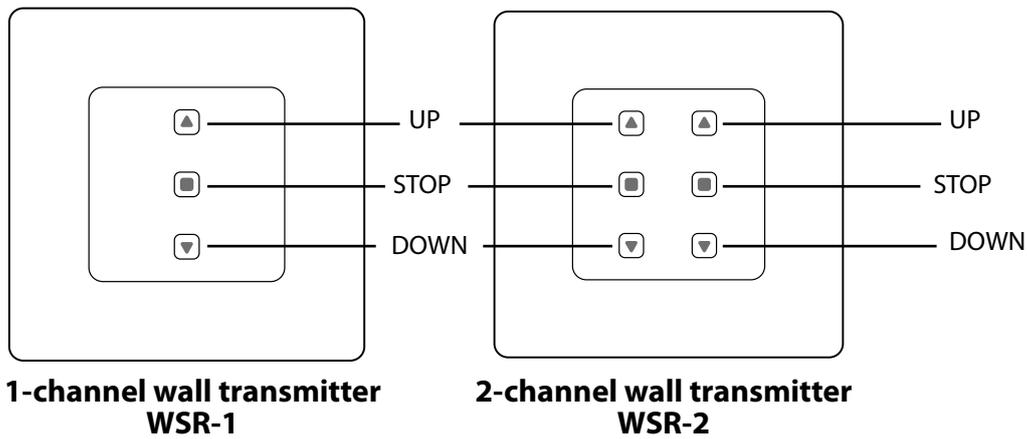
### Information on the degree of fulfillment of the collection and recycling requirements

It is also our duty as a manufacturer to inform you about the degree of fulfillment of the collection and recycling requirements. Since we are connected to a qualified take-back system, we can refer to the degree of fulfillment of the recycling companies.

You can find this information on our website.

### Deletion of personal data

Some of our products contain personal data. This applies in particular to information and telecommunications technology devices such as computers and smartphones. In your own interest, please note that each end user is responsible for deleting the data on the old devices to be disposed of!



### Inserting the battery / changing the battery

The battery is (depending on the transmitter model) supplied loose or already installed and secured against discharge with a protective foil. Open the battery compartment by turning the cover (e.g. with a coin), remove the protective film and insert the battery into the battery compartment with the + (plus) side facing up.

Then close the battery compartment again.



Depending on the frequency of switching operations, we recommend replacing the battery at least every 2 years.



Please do not dispose of batteries in household waste! Take them to an appropriate disposal station.



**ATTENTION!**  
Do not swallow the battery!  
Danger of chemical burns!

## Technical data

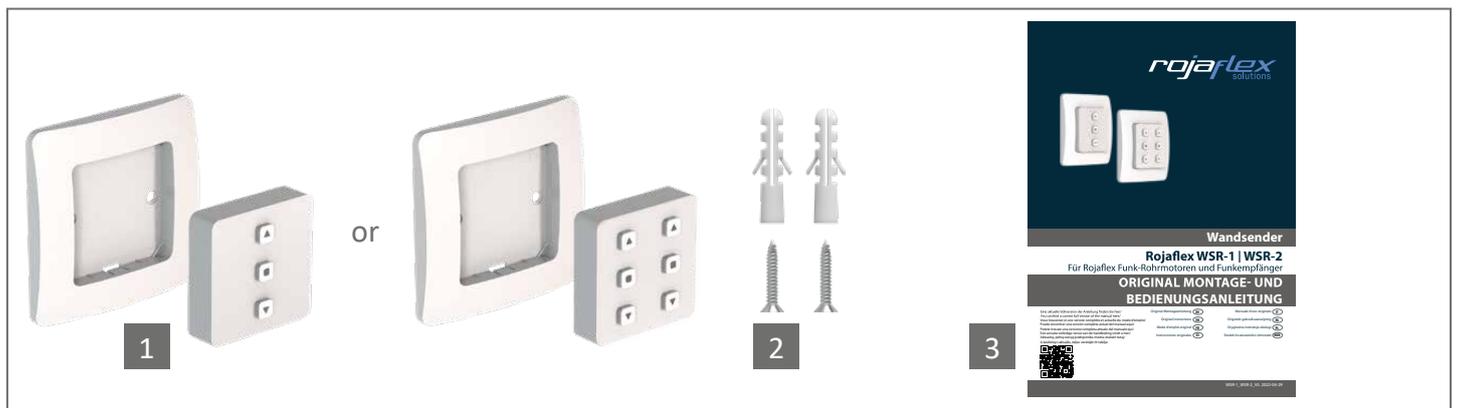
| Performance Features:           |  |
|---------------------------------|--|
| Input voltage                   | 3V (battery CR2450)                                    |
| Transmit frequency              | 433.05 - 434.79 MHz                                    |
| Operating current               | ≤ 15mA   |
| Quiescent current               | ≤ 10 µA  |
| Standby consumption             | ≤ 3 µW   |
| Transmitting power              | ≤ 10 mW  |
| Protection class                | IP 20  |
| Permissible ambient temperature | +10°C to +50°C   |
| Range                           | Free field: approx. 150 m /<br>indoors: approx. 30 m * |
| Channels                        | 1-channel   2-channels                                 |
| Compatibility                   | Rojaflex radio motors and radio receivers              |
| Radio system                    | Rolling Code   |
| Dimensions (approx.)            | (HxWxD) 50 mm × 50 mm × 14 mm                          |

\* Range data are approximate values and depend on the structural conditions.

## Scope of delivery

When unpacking, please compare the package contents with the information on the scope of delivery in these instructions!

1. Wall transmitter incl. battery and outer frame
2. Fastening material
3. Instruction manual



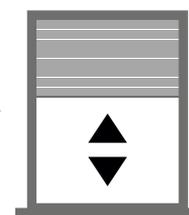
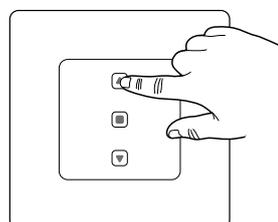
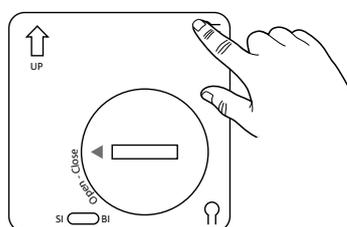
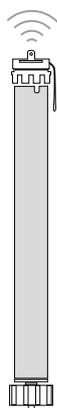
## 1. Programming mode - radio receiver or radio motor

Set the receiver (external Rojaflex radio receiver or Rojaflex radio motor) on which the handheld transmitter is to be programmed to programming mode (see receiver instructions).



**Each keystroke must be executed within 4 seconds!**  
**Otherwise, the system automatically exits the programming mode.**

## 2. Programming the wall transmitter - WSR-1



Set receiver (motor / external receiver) to programming mode according to instructions.

Press P2 programming key (rear) 2 times.

Press UP key 1 x press.

The motor (shutter) briefly moves UP/DOWN and/or the receiver beeps.

OK!

First code programming successfully performed.



### Then check the function by pressing the UP / STOP / DOWN keys.

If the direction of rotation of the motor is reversed (roller shutter / motor moves downwards when the UP key is pressed), please start from the beginning and press the DOWN key after the P2 key instead of the UP key!

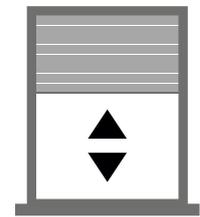
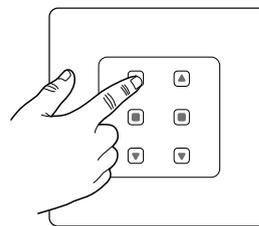
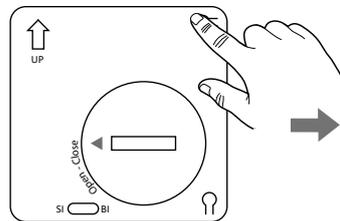
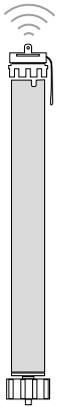
This changes the direction of rotation of the motor.

**Changing the direction of rotation of the motor is only possible, depending on the motor type, if the end positions of the motor have not yet been programmed!**

## 2.1 Programming the wall transmitter - WSR-2



**Each keystroke must be executed within 4 seconds!**  
**Otherwise, the system automatically exits the programming mode.**



Set receiver (motor / external receiver) to programming mode according to instructions.

Press P2 programming key (rear) 2 times.

Upper key P2 = channel 1  
 Lower key P2 = channel 2

Press UP key of the desired channel 1 x.

Channel 1 = Left buttons  
 Channel 2 = Right buttons

The motor (shutter) briefly moves UP/DOWN and/or the receiver beeps.

OK!

First code programming successfully performed.



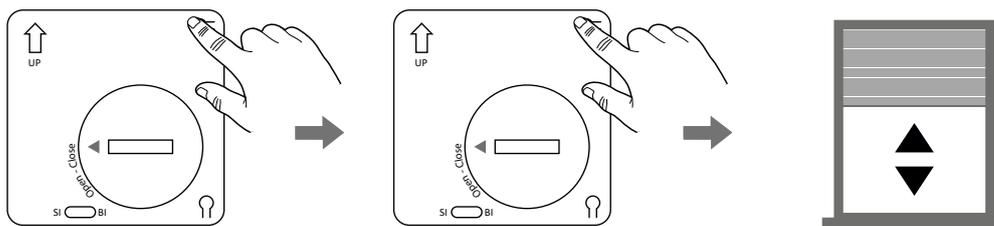
**Then check the function by pressing the UP / STOP / DOWN keys.**

If the direction of rotation of the motor is reversed (roller shutter / motor moves downwards when the UP key is pressed), please start from the beginning and press the DOWN key after the P2 key instead of the UP key!

This changes the direction of rotation of the motor.

**Changing the direction of rotation of the motor is only possible, depending on the motor type, if the end positions of the motor have not yet been programmed!**

### 3. Add wall transmitter



Press the P2 programming button (back) 3 times on a wall transmitter that has already been programmed.

Upper key P2 = channel 1  
Lower key P2 = channel 2

Then press the P2 programming button (back) once on the wall transmitter to be reprogrammed.

The motor (shutter) briefly moves UP/DOWN and/or the receiver beeps.

OK!

First code programming successfully performed.



**Important:** For systems with SI (single-directional system / one-way communication), the P2 button of the already programmed wall transmitter is pressed only 2 times!

This applies, for example, to the MLSF/MLMF drives and the REHK-1 and RUE-UP external receivers.

Please follow the instructions of the respective receiver/motor!

### 4. Delete wall transmitter



Individual deletion of hand-held or wall-mounted transmitters is NOT possible!

1. Power is ON (motor is connected and ready for operation).
2. Press P2 programming key 1 x. Motor beeps 1 x.
3. Press STOP key 1 x. Motor beeps 1 x.
4. Press P2 programming key 1 x. Motor beeps 3 x\*.  
OK! ALL wall (hand) transmitters are deleted!

*\*The frequency of the beeps or the reaction of the motor / shutter depends on the receiver.*

*Please observe the corresponding instructions of the respective receiver/motor!*

**For further information, please refer to the instructions of the Rojaflex radio tubular motors or radio receivers.**



## EU Waste and recycling / Registrations

### Germany for electrical devices:

Stiftung EAR  
WEEE-Reg.-no.: DE 41060608

### Germany for batteries:

Stiftung EAR  
Batt-Reg.-no.: DE 88866710

### Germany for packaging:

LUCID Reg.-no.: DE5768543732165

### Austria for electrical devices:

Elektro Recycling Austria (ERA) GmbH  
ERA Contract no: 40801

### Austria for packaging:

Altstoff Recycling Austria (ARA) AG  
ARA License number: 23363

### Switzerland for electrical devices:

Stiftung SENS  
Membership number: VP11544

### France for electrical devices:

Ecologic  
Membership number / Take-back system: M3670  
National registry: UIN FR208795\_01SUIN

### France for packaging:

Citeo  
Membership number / Take-back system: 532886  
National registry: UIN FR208795\_01SUIN

### Spain for electrical devices:

ECOTIC  
Reg.-no.: RII-AEE- 7601

### Spain for packaging:

Ecoembes  
Membership number: 97556

### Italy for electrical devices:

#### Raccolta differenziata. Verifica le disposizioni del tuo Comune!

Reg.-no.: n/a

### Italy for packaging:

#### Raccolta differenziata. Verifica le disposizioni del tuo Comune!

Membership number: n/a

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