rojaflex solutions

Handheld transmitter

Rojaflex RHST5-W | RHST15-W

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**

RHST5-W_V4. 2022-11-08

Handheld transmitter

for Rojaflex
Radio tubular motors
and radio receivers

RHST5-W
RHST15-W

Art.-Nr.:
1000017759
RHST15-W n.a.

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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 specifications must not be put into operation and a complaint must be lodged with our customer service department (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 "**RHST5-W | RHST15-W**" 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

⚠ 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 equipment 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 devices (e.g. radio headphones, baby monitors, radio weather stations), whose transmission frequency is identical to that of the radio control, 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 (the 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 system.
- 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 the motor controlled by the radio control and the power cable of the motor for integrity.

⚠ WARNING!

The use of defective devices can endanger persons and cause damage to property.

Regularly check the radio control and the system controlled by it for proper function and keep people away from it until the test of faultless function 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 comply with 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, which indicates 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 together 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.*
WEEE	**DE 41060608**
Battery	**DE 88866710**
Illuminant	
Transport and Shipping packaging	**DE5768543732165**

***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.

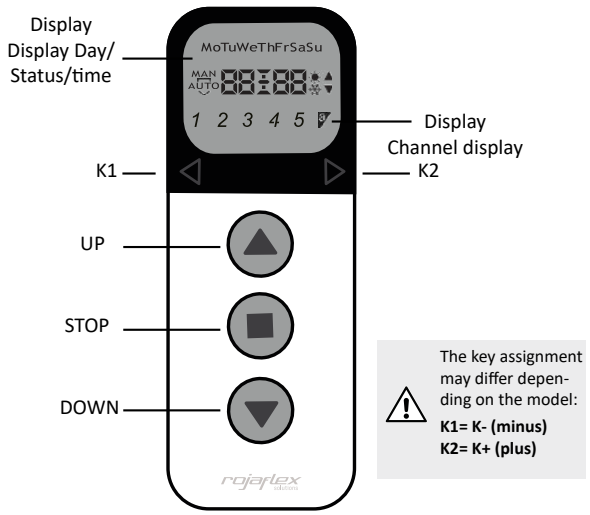
Information on the degree of fulfillment of the collection and recycling requirements

As a manufacturer, it is also our duty 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

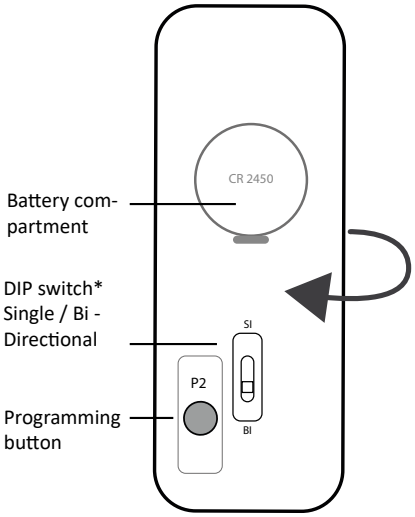
Some of our products contain personal data. This applies in particular to information and telecommunications technology devices such as computers and smartphones. In your own interest, please note that each end user is responsible for deleting the data on the old devices to be disposed of!



5-channel handheld transmitter RHST5-W (Abb.)
15-channel handheld transmitter RHST15-W

The K1 and K2 keys can be used to switch between the individual channels (1-5 or 1-15).
The channel highlighted in black is active in each case.

As soon as the "a" (after channel display 5 or 15) is highlighted, group control is active.
All programmed receivers are receivers are controlled simultaneously.



Handheld transmitter - rear side with lid open

**mit dem "DIP"-Schalter kann, abhängig vom Funkempfänger (siehe Anleitung Empfänger), zwischen "SI" (Single = Einwege-Kommunikation) und "BI" (Zweiwege-Kommunikation) – Funk gewählt werden.*

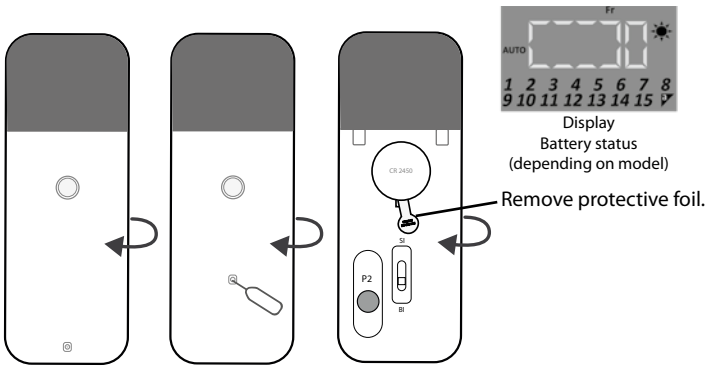
For time-programmed (automatic) control of your roller shutters, either the desired channel must be highlighted in black - time control ONLY active for the selected channel - or the "a" is highlighted in black - ALL channels /roller shutters are automatically opened or closed at the programmed time.
Programming the UP and DOWN - travel times see page 13.

The key assignment may differ depending on the model:
K1= K- (minus) / K2 = K+ (plus)

This product contains a button cell battery. If swallowed, the button cell battery can cause severe internal burns and death in as little as 2 hours.
Keep new and used batteries away from children. If the battery compartment cannot be closed securely, stop using the product and keep it away from children. If you think batteries may have been swallowed or may have entered any part of your body, seek medical attention immediately.

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 film. To replace/insert the battery, open the rear cover by pressing lightly downwards*, remove the protective film and insert the battery into the battery compartment with the + (plus) side facing upwards as shown. Then close the rear cover 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.

*** Depending on the model, the rear cover is additionally secured with a screw or a pushbutton.**
Open the screw with a standard Phillips screwdriver.
A paper clip or a SIM tool can be used to unlock the pushbutton.

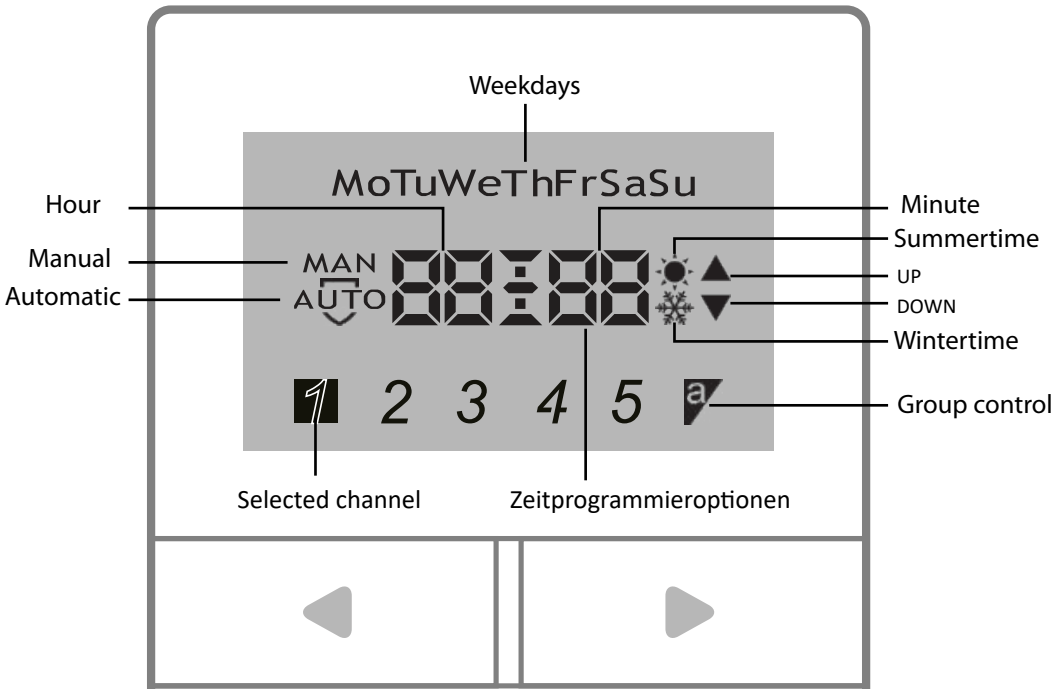
LCD - Display (Bsp. RHST5-W)

The Rojaflex RHST5-W and RHST15-W handheld transmitters have a multi-line display.

In the upper part of the display the days of the week are displayed, in the center of the display the time, the selected function (MANUAL / AUTO / AUTO with random function) as well as the status (UP/DOWN) and summer or winter time.

The lower area shows the individual channels (1-5 or 1-15) and "a" as a symbol for group control.
The channel highlighted in black indicates the currently selected channel.

If the "a" is highlighted in black, group control is active - all programmed receivers are controlled simultaneously in both manual and automatic mode.



The changeover from summer to winter time takes place automatically according to fixed days.
The current date must be set correctly during initial programming!

Technical data

Performance Features:	
Input voltage	3V (battery CR2450)
Transmit frequency	433,05 - 434,79 MHz
Operating current	≤ 15mA
Quiescent current	≤ 15 µA
Standby consumption	≤ 5 µW
Transmitting power	≤ 10 mW
Protection class	IP 20
Permissible ambient temperature	+10°C to +50°C
Range	Open field: approx. 150 m / indoors: approx. 30 m *
Channels	5-channel | 15-channel
Compatibility	Rojaflex radio motors and radio receivers
Radio system	Rolling Code
Dimensions (approx.)	(HxWxD) 130 mm × 40 mm × 18 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!

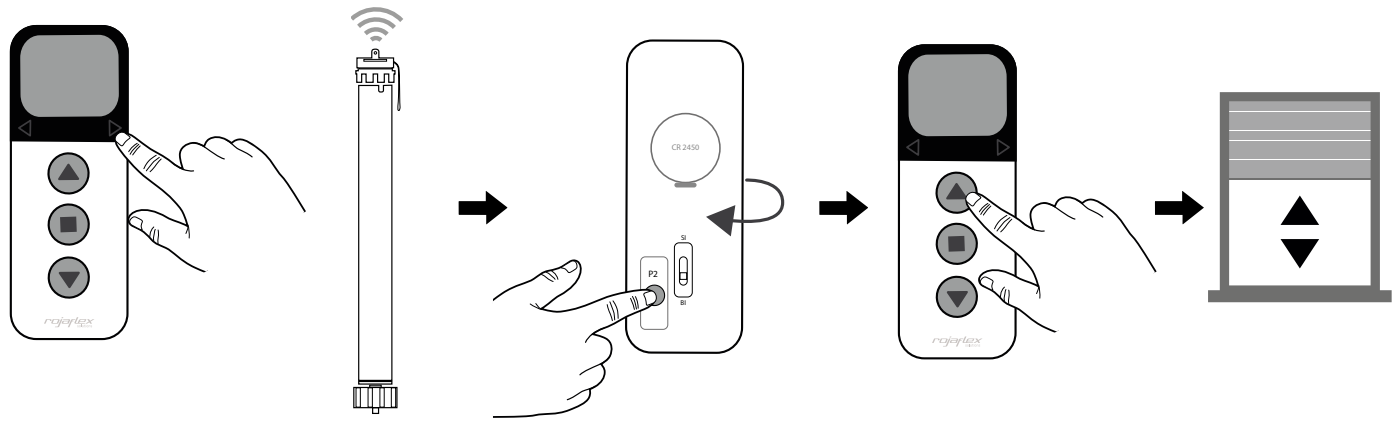
1. Hand transmitter incl. battery
2. Wall mount incl. mounting material
3. Instruction manual

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 handheld transmitter - HSTR-5 | HSTR-15



Press the K1 (or K2) key and select the desired channel (the channel highlighted in black is selected).

The group function (all channels are selected) can NOT be programmed separately as a channel!

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

Press P2 programming key (rear side) 2 x

Press UP key 1 x.

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

OK!

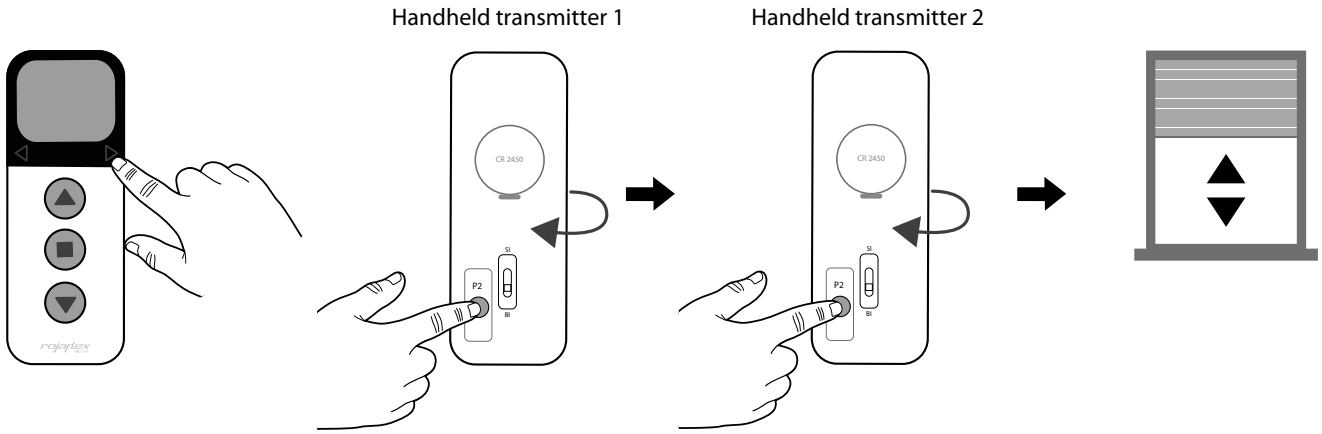
First code programming successfully performed.

Then check the function(s) with 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.

3. Add handheld transmitter



At an ALREADY programmed station, select an already programmed channel by pressing the K1 (or K2) key.

Then, at the NEW station to be learned, select the channel to be added by pressing the K2 (or K1) key (the channel highlighted in black is selected).

Press the P2 programming button (back) 3 times on the already programmed handheld transmitter.

Press the P2 programming button (back) once on the handheld transmitter to be reprogrammed.

Please note!

For multi-channel transmitters, the desired channel must be selected first!

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

OK!

Handheld transmitter is added.

Important:

For systems with SI (single-directional system / one-way communication) the P2 button of the already taught-in handheld transmitter is only pressed 2x!

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!

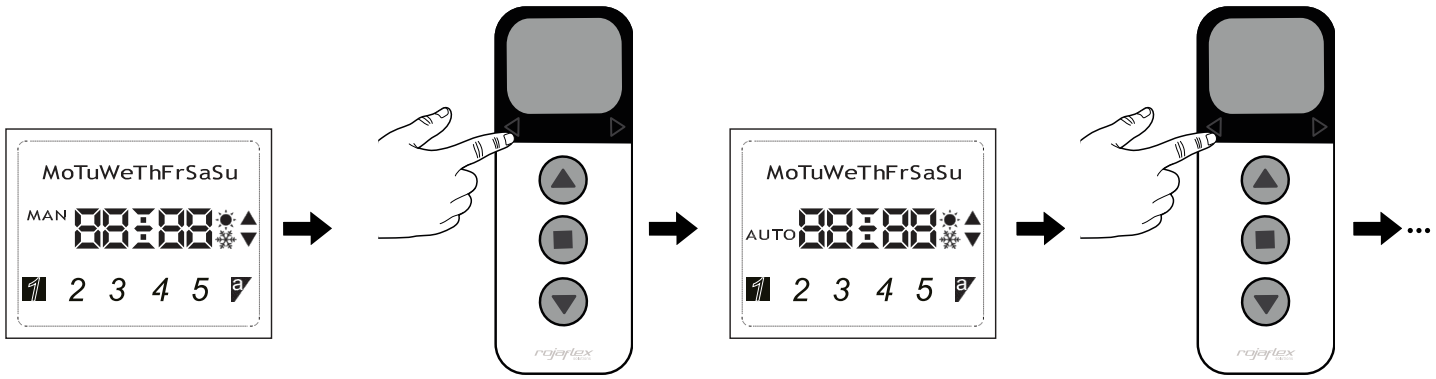
For more information, please refer to the instructions of the Rojaflex radio tubular motors or radio receivers.

4. Activating and deactivating the timer function

Manual mode	no timer function (automatic OFF)
Automatic mode 1	Timer function in UP and DOWN (shutters open and close automatically at previously programmed times)
Automatic mode 2	Timer function in UP and DOWN with random function (shutters open and close automatically at previously programmed times) - but the set opening and closing times are shifted randomly in the range from 0 to 15 minutes*.

**Time period cannot be influenced - is controlled arbitrarily by the electronics!*

Press and hold the K1 key to switch between the individual modes.



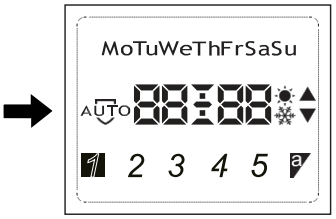
MAN
Manual mode

Press and hold the K1 key. After approx. 5 seconds, the display changes from "MAN" to "AUTO".

Release key.

AUTO
Automatic mode

Press and hold the K1 key again.
After another approx. 5 seconds, the display changes from "AUTO" to "AUTO with random function" Release the key.



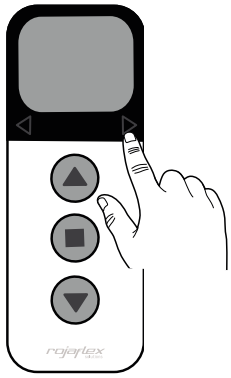
AUTO

Automatic mode with Random function.

5. Programming the current time and date

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

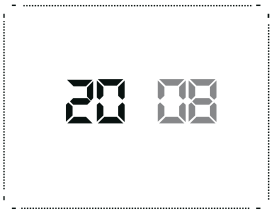
Switch to Manual mode as described in point 4.



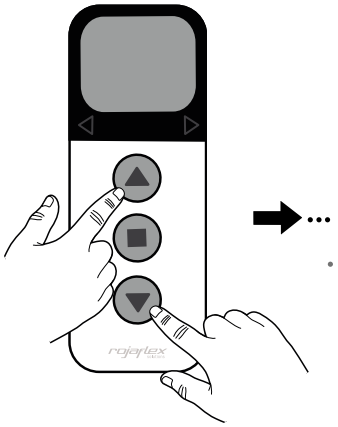
Press and hold the K2 key.

After approx. 5 seconds, the currently set year is displayed.

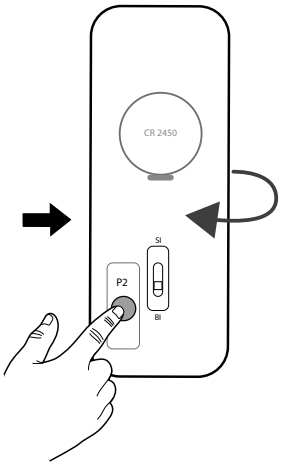
Release key.



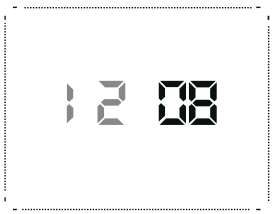
The last two digits flash.



Use the UP and DOWN keys to set the current year.

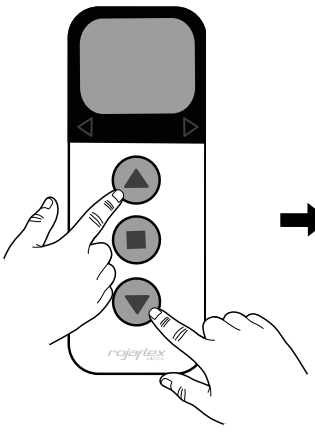


Press the P2 programming key once to confirm the year.

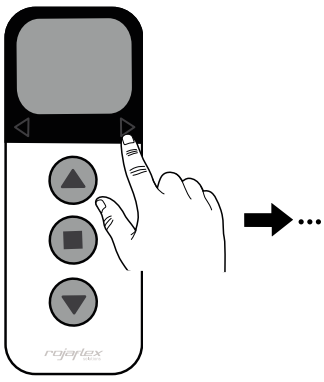


The date display appears in the display.

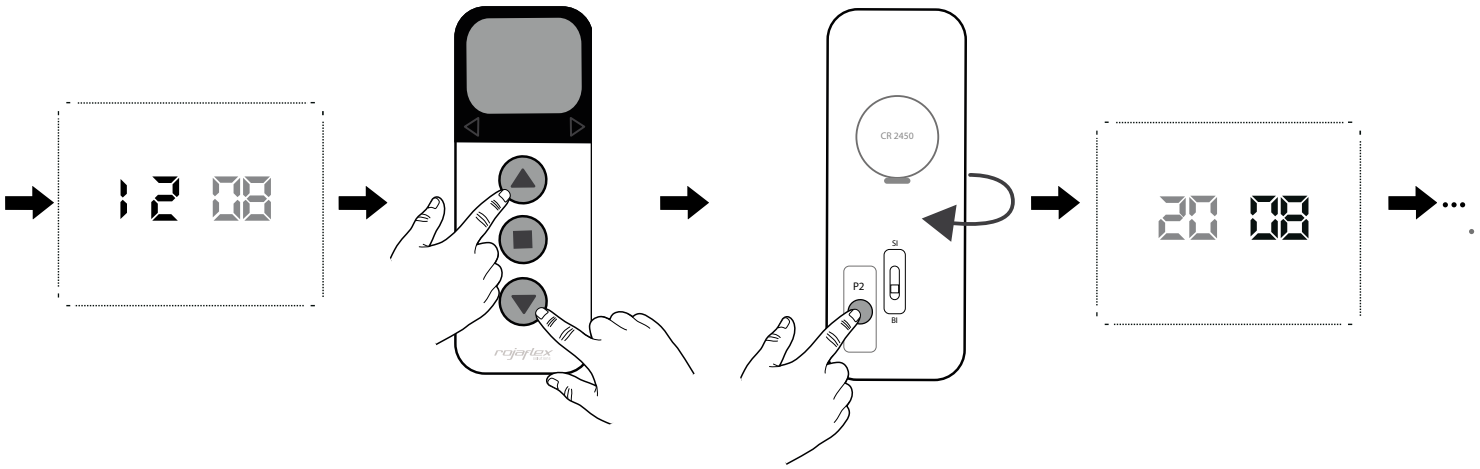
The month display flashes.



Use the UP and DOWN keys to set the current month.



After setting the month, press the K2 key.

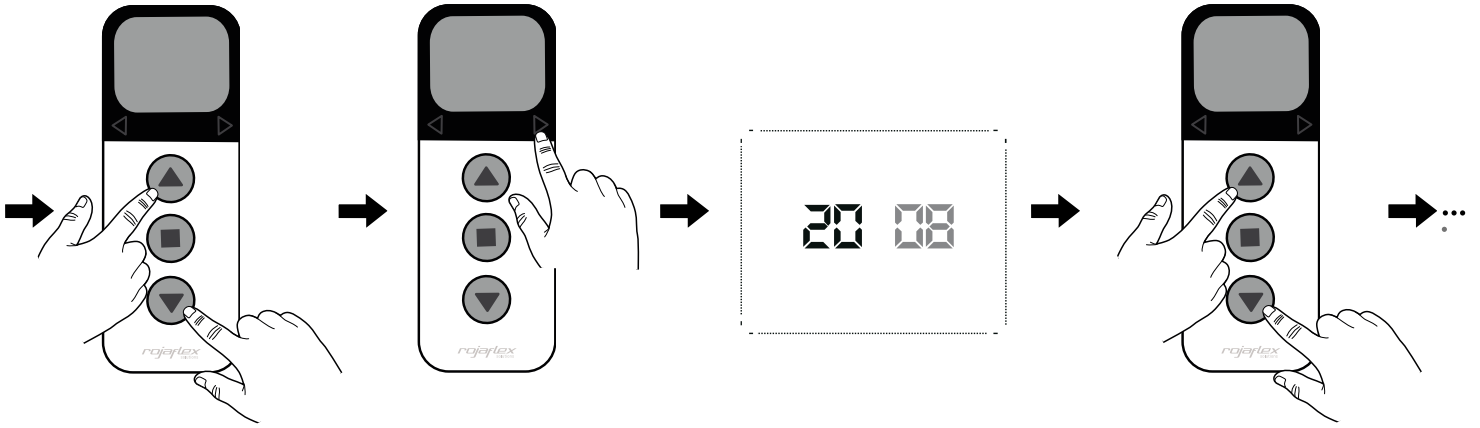


The day display flashes.

Use the UP and DOWN keys to set the current day.

To confirm the set month and day, press the P2 programming key once.

The time display appears and the hour display flashes.

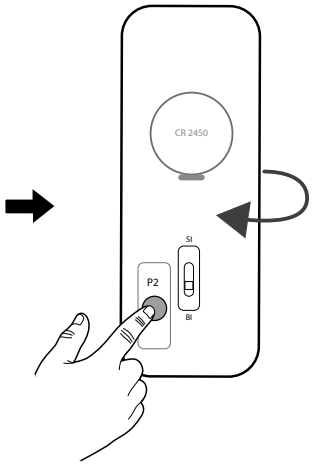


Use the UP and DOWN keys to set the current hour.

After setting the hour, press the K2 key.

The minute display flashes.

With the UP and DOWN keys you can now set the current minute.



To confirm the set values (year/month/day/time), press the P2 programming key again.

The programming of the time is completed, the settings are saved

6. Programming the automatic UP and DOWN travel times

Automatic mode and automatic mode with random function

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

Select the channel to be programmed with the K2 and K1 keys.
The group function (all channels are selected) can NOT be taught-in separately as a channel!

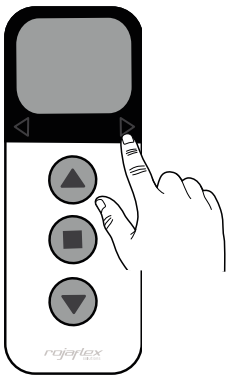
Time programming options:

Programme - 01	Mon-Sun (daily program > each day has a different departure and arrival time)
Programme - 02	Mon-Sun (weekly program > every day has the same departure and arrival times)
Programme - 03	Mon-Fri / Sat+Sun (weekend program > Mon-Fri = same up and down times, > Sat+Sun = separately programmable)

The same time programming options exist in random program mode.

Programming using the example of Program-01 (daily program):

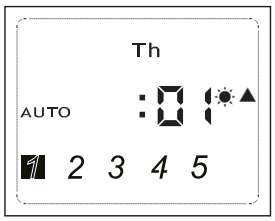
Switch to automatic or automatic with random function mode as described in point 4.



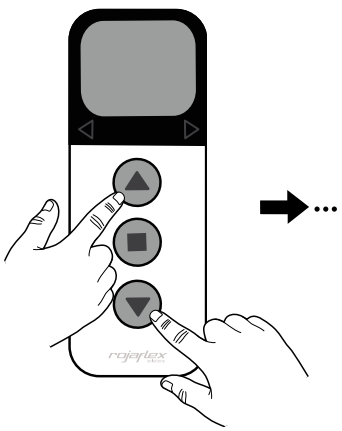
Press and hold the K2 key.

After approx. 5 seconds, the time programming options are displayed.

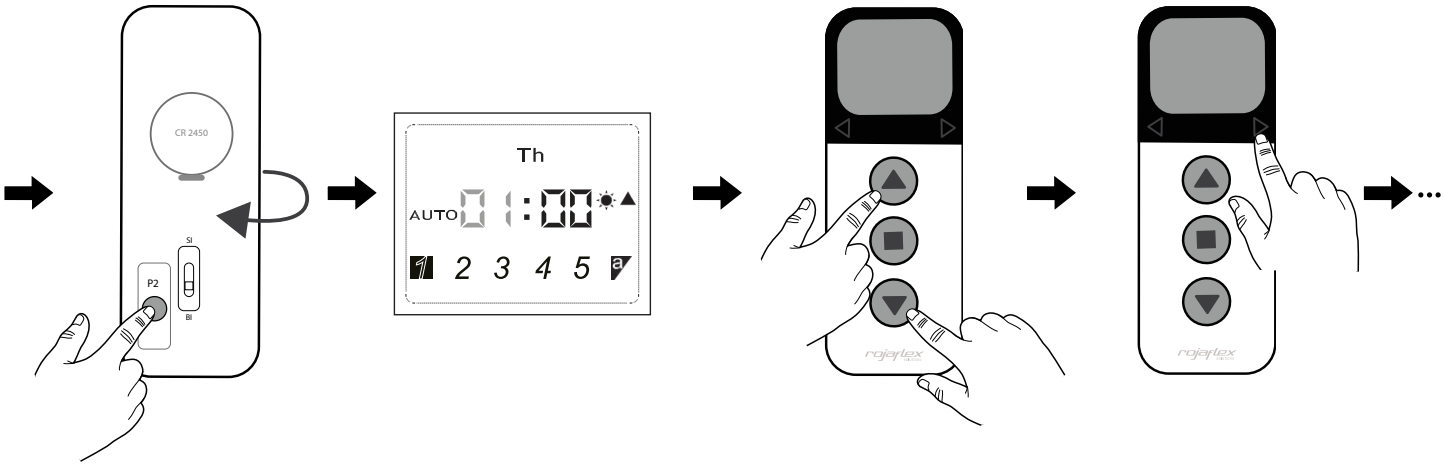
Release key.



Time programming options are displayed.



Use the UP and DOWN keys to select between the 3 different time programming options (see above - Time programming options).

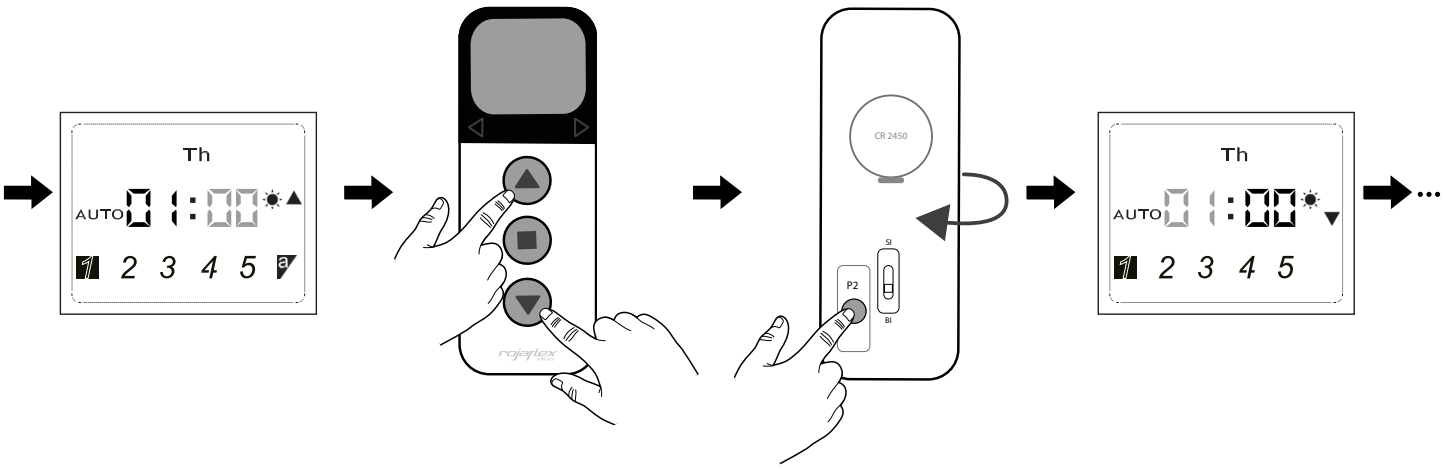


After the desired time programming option has been selected, press the P2 programming key once.

The hour display flashes and the symbol for OPEN appears in the display.

Use the UP and DOWN keys to set the desired hour.

After setting the hour, press the K2 key.



The minute display flashes.

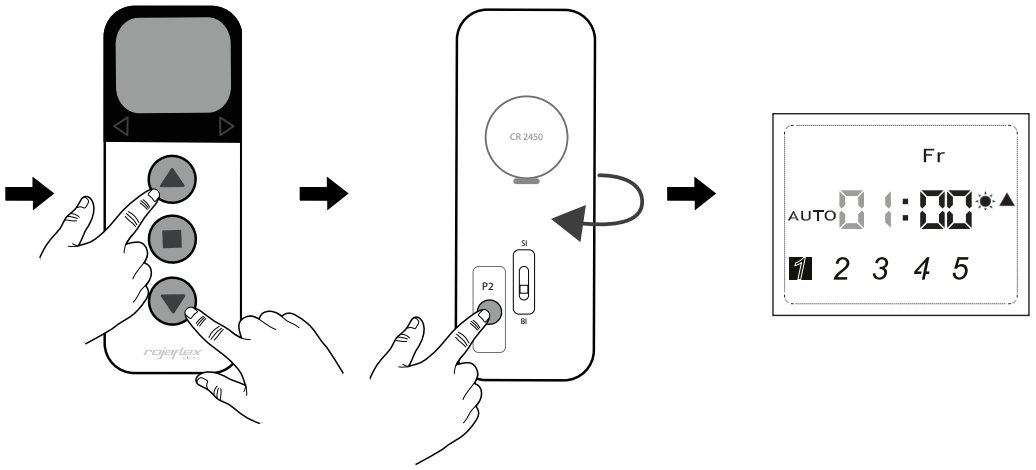
Use the UP and DOWN keys to set the desired minute.

After setting the desired time for OPEN, press the P2 key.

The set UP time for the displayed day is saved.

The display changes to the programming of the AB time.

The hour display flashes.



Proceed as for programming the automatic OPEN time.

As soon as the hour and the minute for the DOWN time have been set, press the P2 key again.

The set DOWN time for the displayed day is saved.

The display changes to programming the OPEN time for the next day.
The hour display flashes.

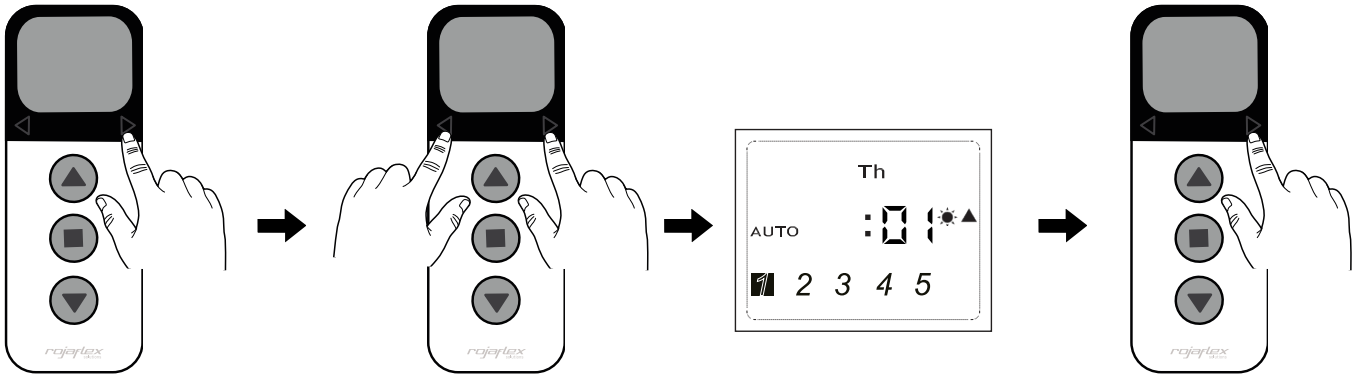
Procedure for programming the UP and DOWN times for the other days as described above.

To program the automatic UP and DOWN travel times for further channels, please start from the beginning.

Please note!

The automatic UP and DOWN travel times must be programmed separately for each channel!
(select channel - switch to automatic mode - select time programming option - program UP time - program DOWN time - confirm with P2 etc.).

7. Control of the programmed values / date, / up and down times.



Select the desired channel by pressing the K2 (or K1) key (the channel highlighted in black is selected).

Then press the K1 and K2 keys simultaneously.

The display shows the time programming option selected for this channel.

By pressing the K2 (forward) or K1 (backward) key, all set values for the selected channel can be checked.

Press the STOP key to end the check.

For more 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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