

FLEXIBLE SOLUTIONS
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Handheld transmitter

Rojaflex HSTR-5 | HSTR-15

For all rojaflex radio tube motors and radio receivers

ORIGINAL- INSTRUCTION MANUAL





Rojaflex HSTR-5 | HSTR-15 - 5 | 15 – Channel remote control with timer

For every rojaflex radio tube motor
and radio receivers

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EU Declaration of Conformity specified in Article 10.9

Company Schoenberger Germany Enterprises GmbH & Co. KG, Hohenschäftlarn declares hereby that the radio device "Remote controller rojaflex HSR-1/HSR-5" conforms to Directive 2014/53/EU.

The complete EU Declaration of Conformity is available at:

<https://www.rojaflex.com/konformitaetserklaerungen.html>

WARNING!

Important safety notice!

- To ensure personal safety, it is important to follow these instructions!
- Please keep these instructions and pass them on to any new owners when the property changes hands!
- This unit can be used by children as of the age of 8 as from persons who suffer from limited physical, sensor or mental abilities or persons with a lack of experience or knowledge, if they are supervised or instructed correctly in the right use and understand the danger resulting out of the use of the product.
- Do not allow children to play with the device.
- Cleaning and user maintenance aren't allowed to be done by unsupervised children.

WARNING!

 **The motor controlled by the control unit must be disconnected from its power supply during cleaning, maintenance and replacement of parts.**

WARNING!

 **If this is not observed fatal injuries may occur!**

Any work on electrical equipment carries the risk of fatal injury from electric shock!

Observe the instructions and safety instructions for the drive/receiver controlled by the transmitter and the corresponding instructions for the driven roller shutter or sun protection system.

General safety instructions

ATTENTION!

The following instructions must be observed!

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

When planning, make sure that you have a sufficient radio reception.

This applies in particular if the radio transmitter is located in a room other than the radio receiver, and therefore the radio signal must get through walls or ceilings.

Do not install the radio control in close to large metallic surfaces.

Other transmitters (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!**

Improper use may lead to an increased risk of injury!

- Use the radio control only for connection to roller shutters, awnings and shutter blind motors.
- Permanently mounted control units must be fitted in a visible manner.
- Deactivate the automatic opening and closing function of the transmitter in the event of snowfall, icing or frost to prevent 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 engine.
- Watch the moving awning/shutters carefully and keep people away until it has stopped moving.
- Do not allow children to play with fixed controls or the remote control.
- Keep the hand transmitter away from children to prevent any accidental operation.
- Secure the controlled system against unauthorized operation. Take safety precautions against unintentional switch-on.
- Carry out all cleaning work on the roller shutter, awning or blinds in a voltage free state.
- Be careful when operating the open/extended system, as party may fall if fastenings (e.g. springs) become loose or broken.

WARNING!

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

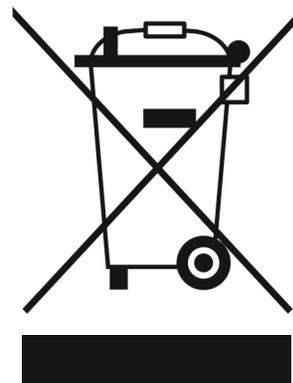
- After the unpacking, compare the type of control unit with the corresponding information on the type label.

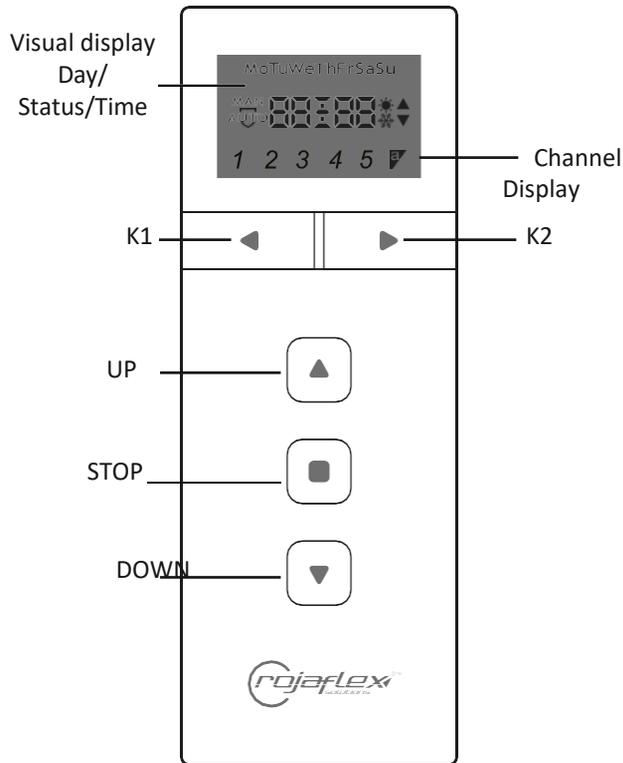
Devices with incomplete or wrongly information's may not be put in action.

- Never use any defective or damaged equipment
- Check that the motor controlled by the transmitter and the power cord of the motor are intact.
- Please contact our service department (see the last page) if you notice any damage to the device.

IMPORTANT!

Do not dispose the device and any batteries required for the operation of the device in household waste. Inform yourself about local return and recycling possibilities and use the existing collection points in your area for disposal

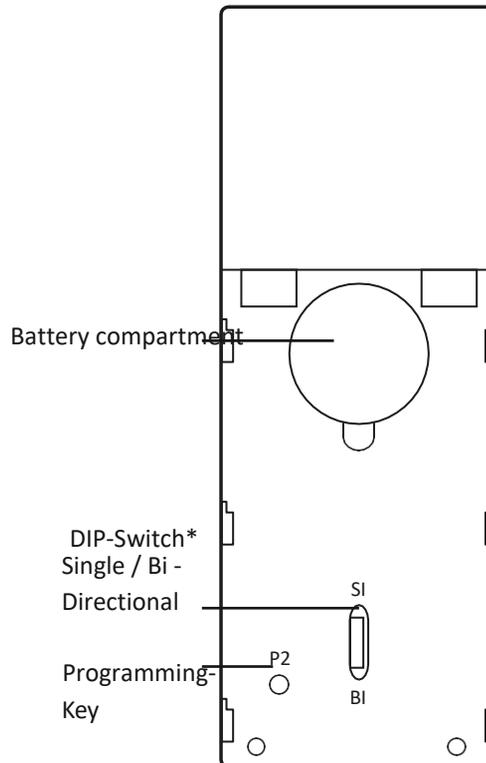




5-channel handheld transmitter HSTR-5 15-channel handheld transmitter HSTR-15

Use the K1 and K2 buttons to switch between the individual channels (1-5 and 1-15). The channel with the black background is always active. As soon as the "a" (after channel display 5 or 15) is highlighted, the group control is active.

You now control all programmed receivers simultaneously.



Handheld transmitter – Rear side with lid open

* With the "DIP" switch you can switch between "SI" (single = one-way communication) and "DIP" depending on the radio receiver (see receiver instructions).

"BI" (two-way communication) - Select radio.



For time-program (automatic) control of your roller shutters, either the desired channel must have a black background (Time control is ONLY activated for the selected channel) or the "a" has a black background – ALL channels/shutters will be automatically opened or closed at the programmed time. For programming the UP and DOWN movement times, see page 13.

Inserting the battery / Battery change

Depending on the transmitter model, the battery is supplied loose or already installed and protected against discharge with a protective film. Open the rear cover by pressing lightly downwards, remove the protective film and insert the battery into the battery compartment as shown with the + (plus) side facing upwards. Then place the rear cover back in.



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

○ Remove the protective foil.



Please do not dispose the batteries in the household waste!
Take the empty batteries to the appropriate disposal station.

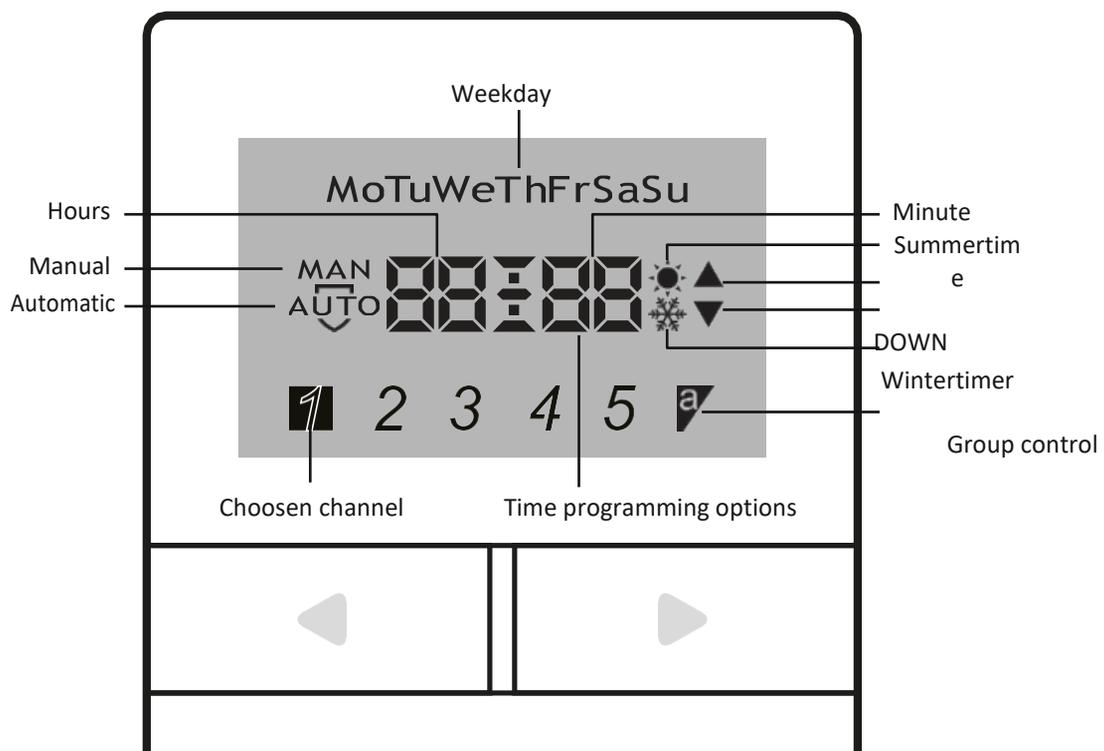
LCD - Display (For example HSTR-5)

The rojaflex handheld transmitters HSTR-5 and HSTR-15 have a multiline display.

In the upper area the weekdays are shown, in the middle 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 the group control. The channel highlighted in black shows the currently selected channel.

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



The changeover from summer to wintertime takes place automatically. The current date must be set correctly during initial programming!



The key assignment may vary depending on the model:

K1= K- (minus)

K2= K+ (plus)

Technical data

Performance characteristics	
Input voltage	3V (Battery CR2450)
Transmission frequency	433,92 MHz
Operating current	≤ 15mA
Quiescent current	≤ 15 µA
Standby consumption	≤ 5 µW
Transmitting power	≤ 10 mW
Degree of protection	IP 20
Permissible ambient temperature	+10°C to +50°C
Range of coverage	Free field: ca. 150 m/492,12 feet in closed rooms: ca. 30 m/ 98,42 feet
Channels	5-Channel / 15 Channel
Compatibility	Rojaflex Radio motors and radio receivers
Dimensions	130 x 44 x 18 mm (HxBxT)

* The range values are approximate and depend on the structural conditions

Scope of delivery

After unpacking, please compare the contents of the package with the information on the scope of delivery in this instruction.

1. Remote control including battery
2. Wall bracket including fixing material
3. Operating instructions



1. Learning mode – Radio receiver or radio motor

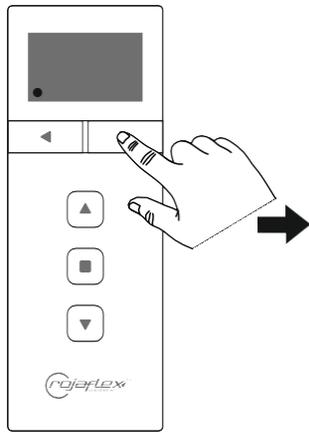
Set the receiver (external rojaflex radio receiver or rojaflex radio motor) on which the hand-held transmitter is to be taught-in to the learn mode according to the relevant instructions.



Each keystroke must be executed within 4 seconds!

Otherwise, the system will automatically exit the programming mode.

2. Teach-in of the handheld transmitter – HSTR-5 | HSTR-15

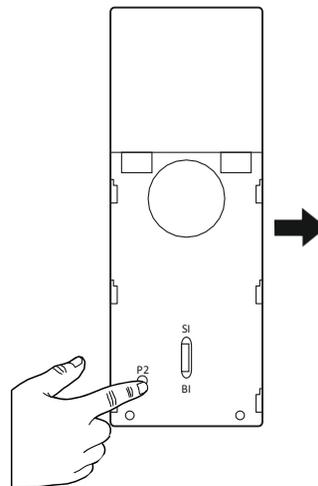


First select the desired channel by pressing the K2 (or K1) button (the channel with the black background is selected)

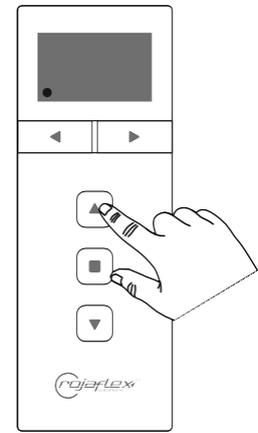
**The group functions
(all channels are selected)
cannot be taught-in
separately as a channel!**



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



Press the programming button P2 (back panel) two times.



Press the UP button once.

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

OK – First code programming successfully completed!

To teach in additional receivers, start again from the beginning.

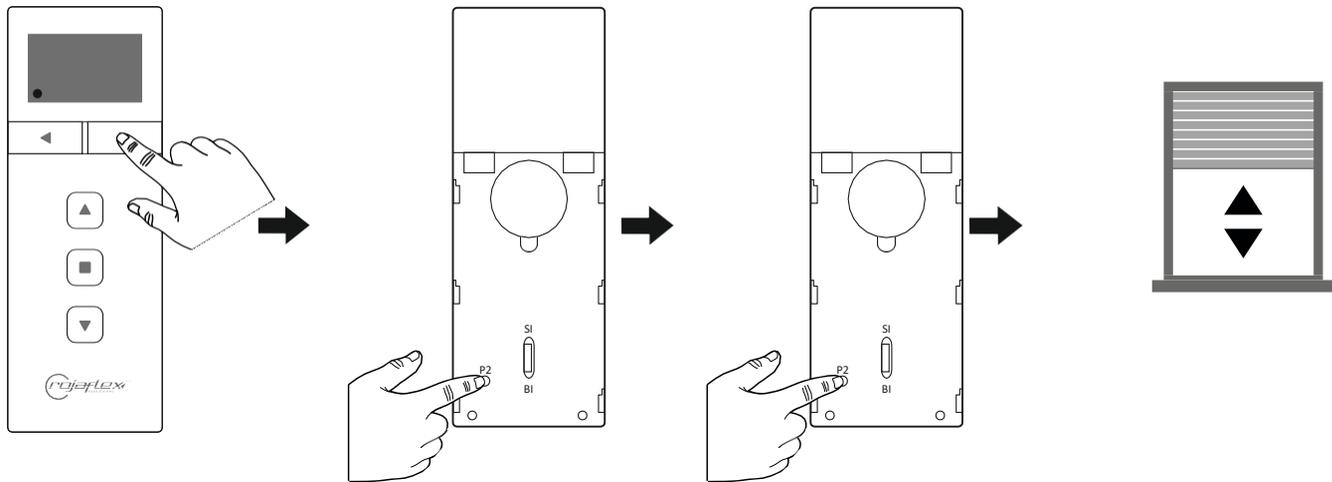


Then check the function by pressing the UP/STOP/DOWN buttons

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

This changes the direction of the rotation of the motor.

3. Add handheld transmitter



On an already learned in station, press the K2 button to select the desired channel. (or K1) on an already programmed channel.

Then select the channel you want to add to the NEW station to be taught in by pressing the K1 (or K2) button (the channel highlighted in black is selected).

Press the programming button P2 (back side) 3 times on the hand-held transmitter that has already been taught in.

Then press the programming button P2 (back side) once on the hand-held transmitter to be newly tuned in.

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

OK – First code programming successfully completed!



Important: In systems with SI (single directional system / one-way communication), the P2 key of the hand-held transmitter that has already been taught-in is only pressed twice! This concerns e.g. the MLSF/MLMF drives and the external receivers REHK-1 and RUE-UP.

Please observe the instructions of the respective receiver/motor.

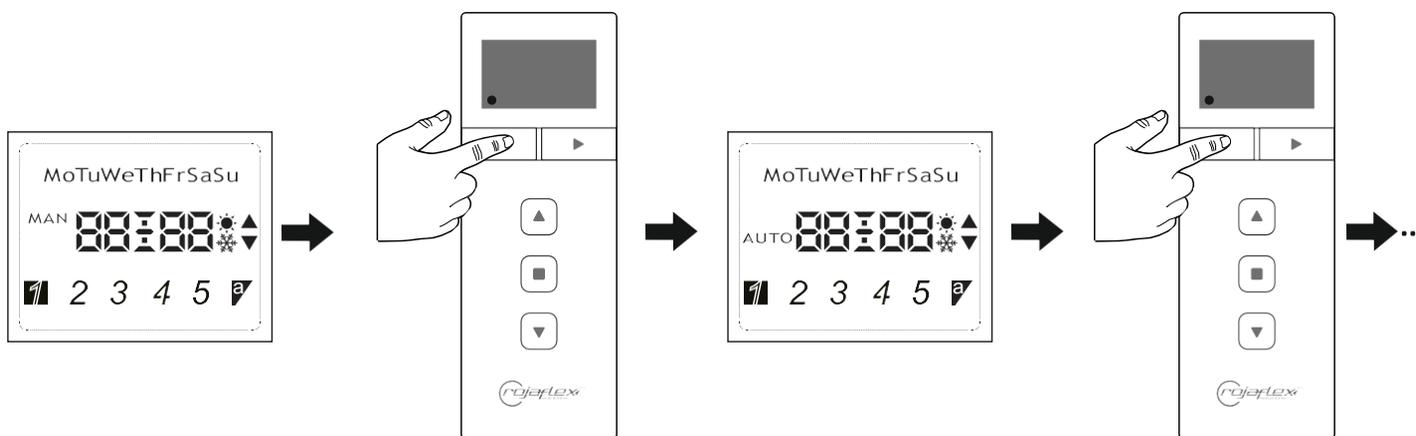
For further information, please refer to the instructions for Rojaflex radio tube motors or radio receivers.

4. Activating and deactivating the timer function

Manual mode	no timer function (automatic OFF)
Automatic-mode 1	Time switch function in UP and DOWN (roller shutters opens and closes with pre-programmed times automatically)
Automatic-mode 2	Time switch function in UP and DOWN with random functions (roller shutters open and close automatically at pre-programmed times) - however, the opening and closing times are arbitrarily shifted in the range from 0 to 15 minutes*.

**Period cannot be influenced - is randomly controlled by the electronics!*

Press and hold the K1 button to switch between modes.

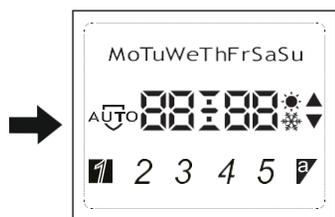


MAN
Manual mode

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

AUTO
Automatic mode

Press and hold the K1 button again. After a further approx. 5 seconds the display changes from "AUTO" to "AUTO with random function"
Release the button.



AUTO

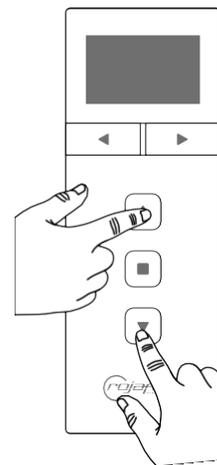
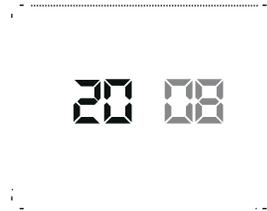
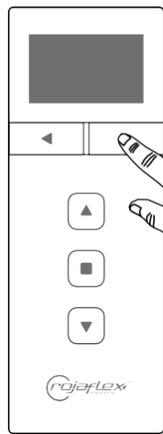
Automatic mode with random function

5. Setting the current time and date



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

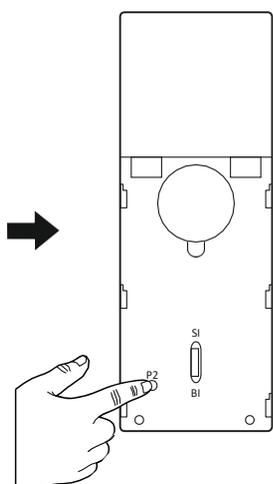
Switch to manual mode as described in section 4.



Press and hold the K2 button.
After approx. 5 seconds, the currently set year is displayed.
Release the button.

The last two digits flash.

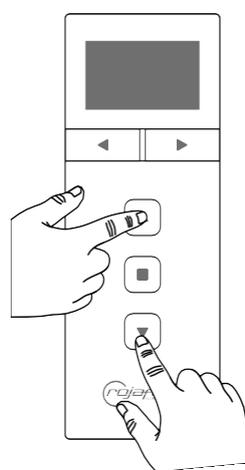
You can now set the desired year with the UP and DOWN keys.



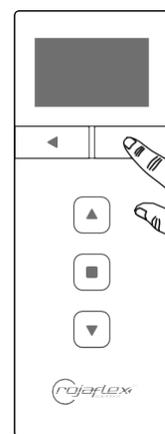
To confirm the year, press the programming key P2 once.



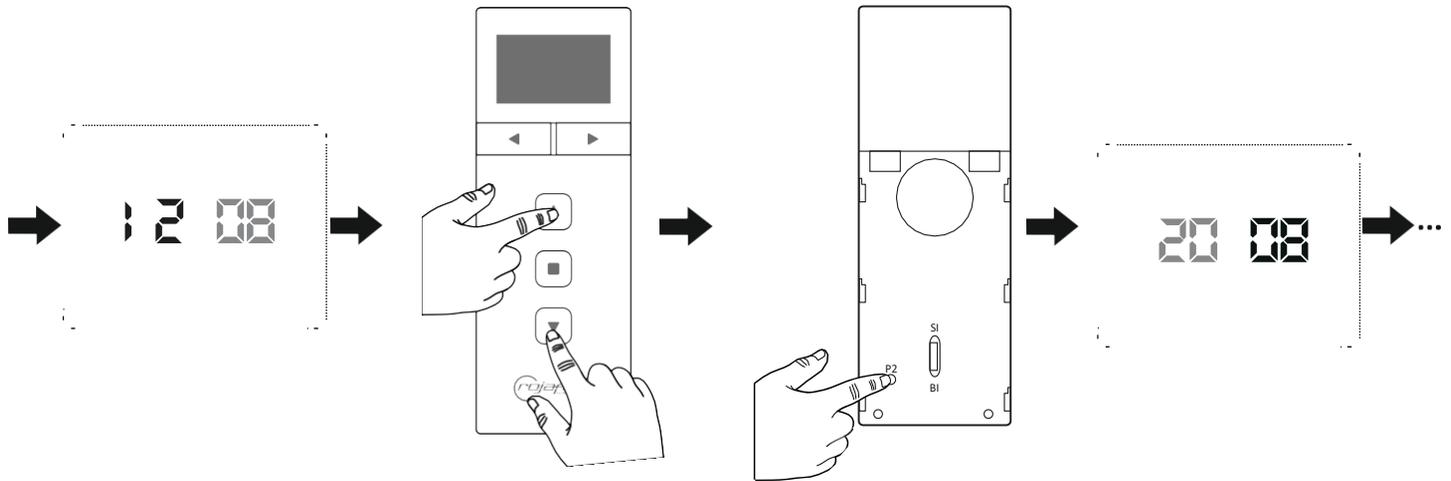
The date appears on the display.
The month display flashes



You can now set the current month using the UP and DOWN keys.



After setting the month, press the K2 button.

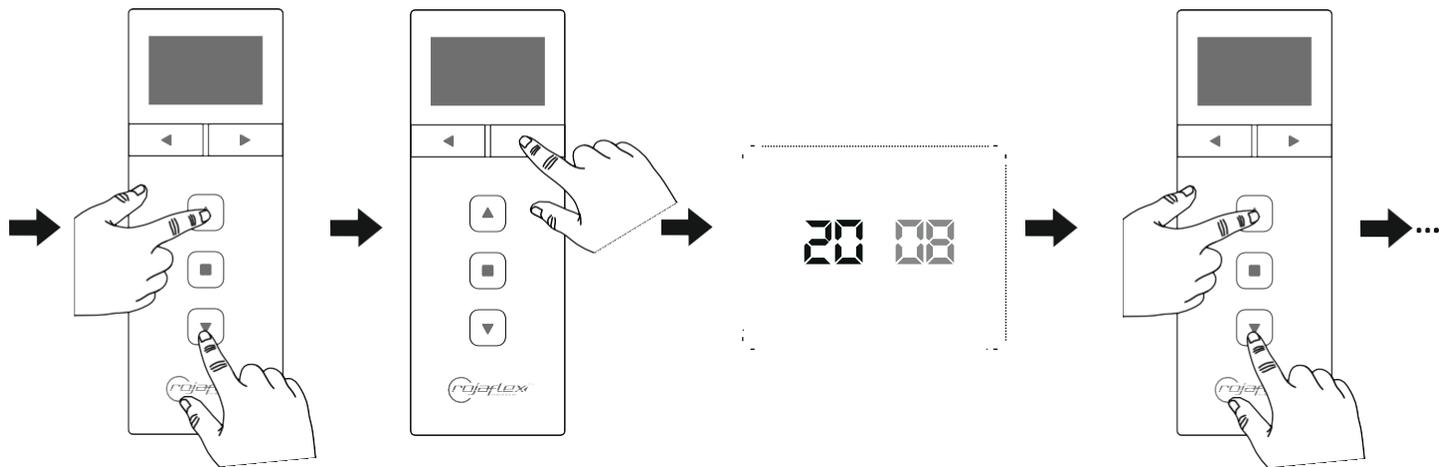


The current day display flashes.

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

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

The time display appears, and the hour display flashes.

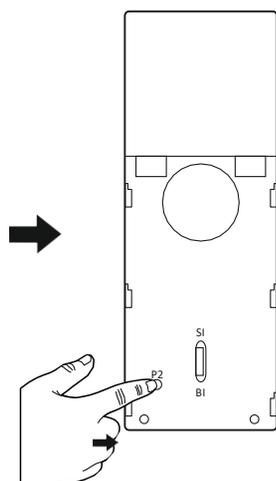


Use the UP and DOWN keys to set the current hour.

After adjusting the hour press the K2 button.

The minute display flashes. now set the current minute.

Using the UP and DOWN keys you can



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

The programming of the time is completed, the settings are stored.

6. Setting/programming the UP and DOWN travel times

-Automatic mode and automatic mode with random function-

1. Each key press must be made within 4 seconds. Otherwise the system automatically exits the programming mode!

Before you start programming, first select the channel to be programmed using the K2 and K1 buttons.

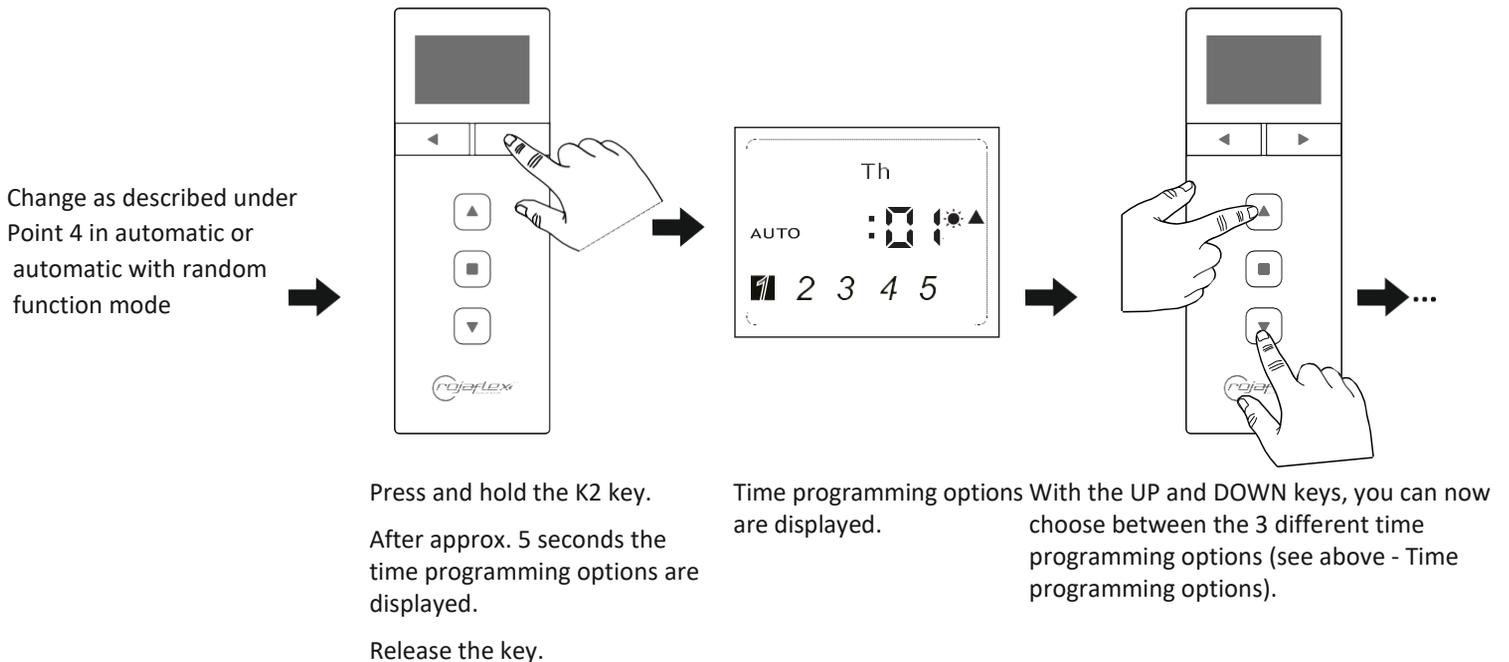
The group function (all channels are selected) cannot be taught-in separately as a channel!

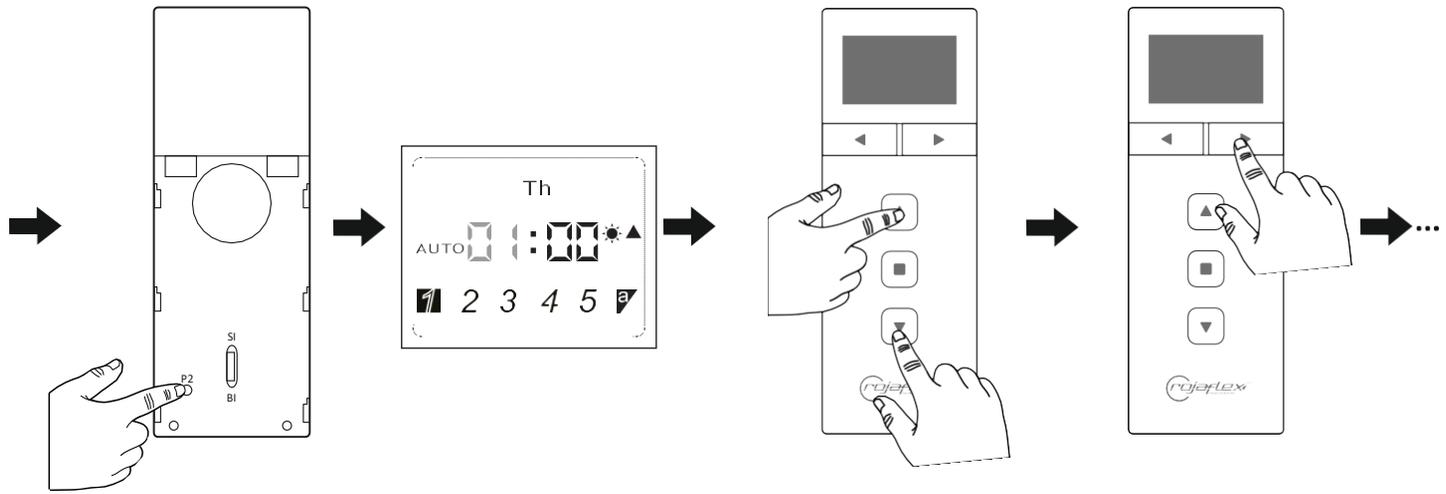
Time programming options:

- Program - 01 Mo-Su (Day program > each day has a different up and down time) program -
- 02 Mo-Su (Week program > every day has the same up and down times) Program
- 03 Mo-Fr / Sa+Su (weekend program > Mo-Fr = the same up and down times >
- Sa+Su = separately programmable)

The same time programming options also exist in random program mode.

Settings using program-01 (day program) as an example:



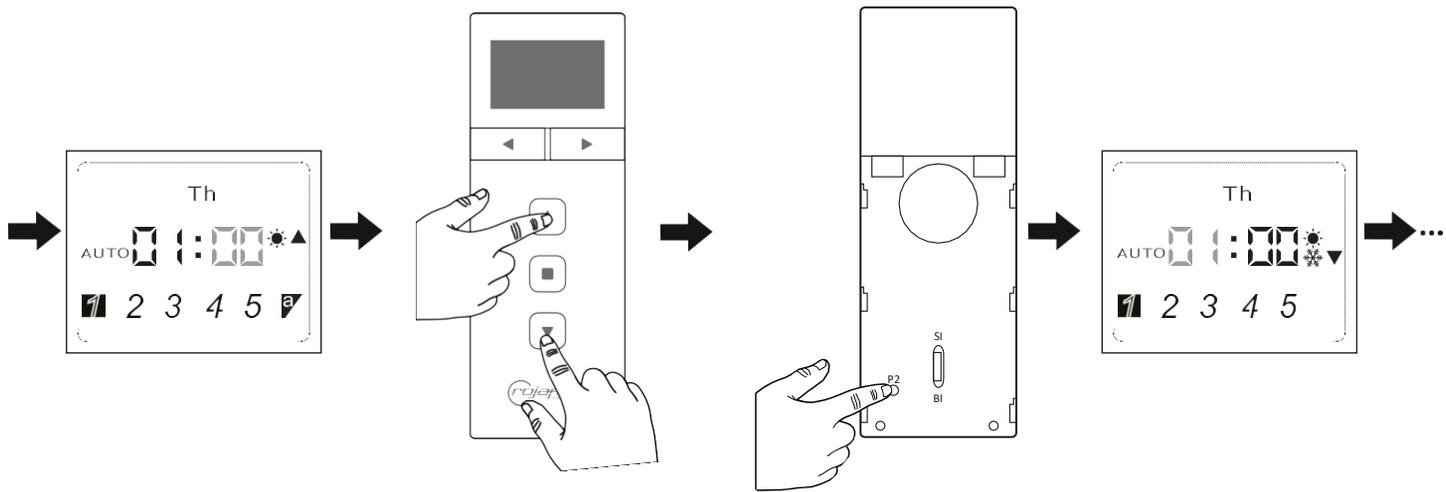


After you have selected the desired time programming option, press the programming button P2 once.

The hour indicator flashes, and the UP icon appears on the display.

You can now set the desired hour with the UP and DOWN keys.

After adjusting the hour press the K2 button.

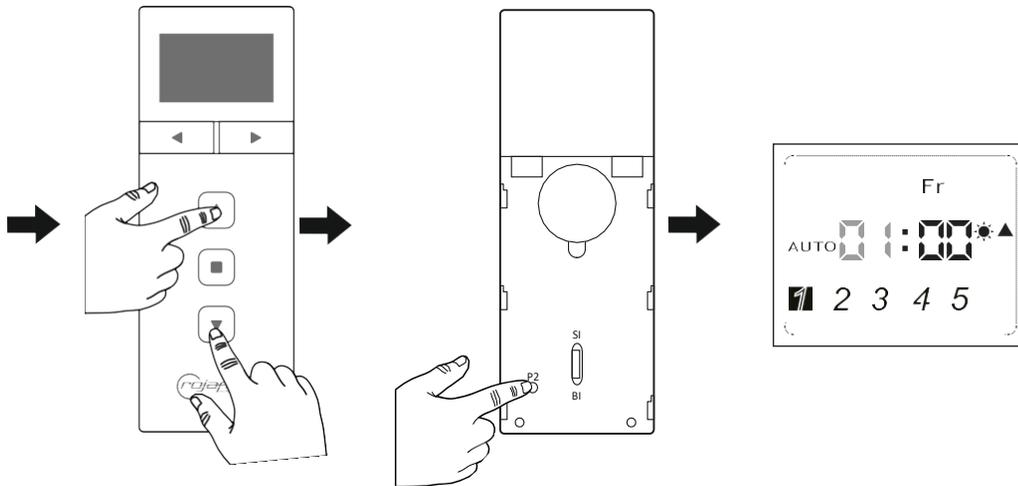


The minute display flashes.

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

After setting the desired time for OPEN, press the P2 button. The selected OPEN time for the displayed day is saved.

The display changes to the programming of the DOWN time. The hour display flashes.



Now proceed as for programming the OPEN time.

As soon as you set the hour and the minutes for the down time, press the P2 button again.

The selected DOWN time for the displayed day is saved.

The display changes to the programming of the open time for the next day.

The hour display flashes.

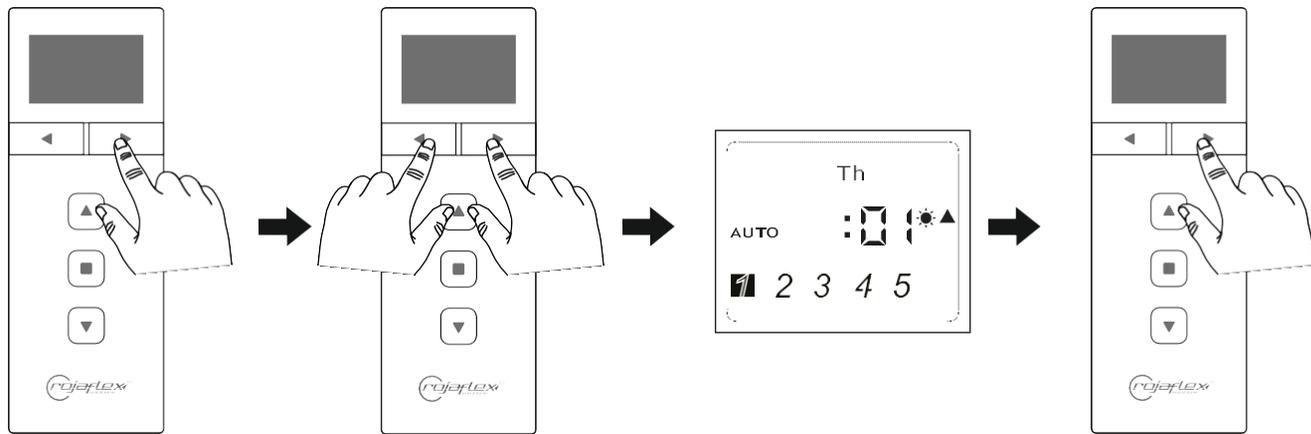
To program the UP and DOWN times for the following days, proceed as described above.

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

Please note! The 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 set values - date, rise and departure times



First select the desired channel by pressing the K2 (or K1) button (the channel with the black background is selected).

Then press the K1 and K2 buttons simultaneously.

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

By pressing K2 (forward) or K1 (backward) - button to check all set values for the selected channel.

Press the STOP button to end the check.

For further information, please refer to the instructions for Rojaflex radio tube motors or radio receivers.



Should you have any questions about our product, please, contact us by a letter or by e-mail at the following address:

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The current version of this operating manual can be found at: www.rojaflex.com/bedienungsanleitungen.html

