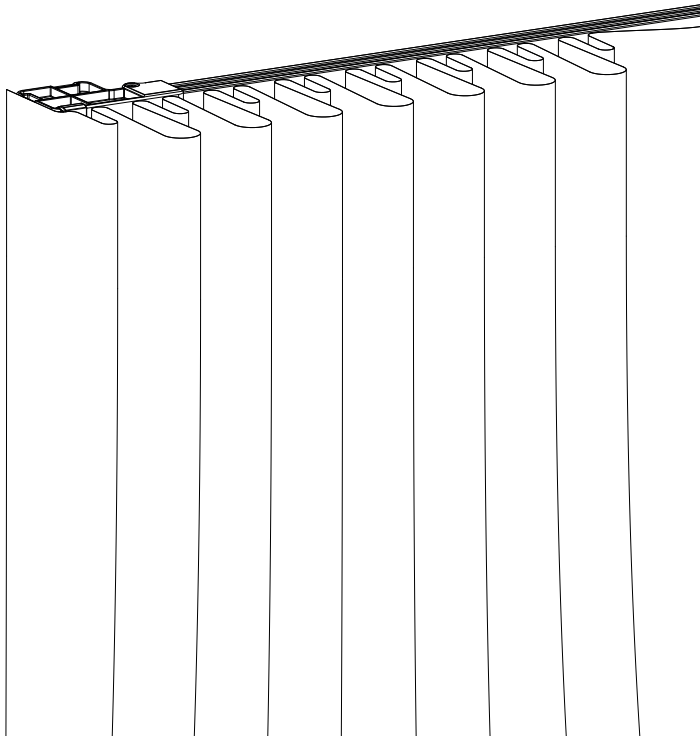
EN

User manual

Curtain Blind

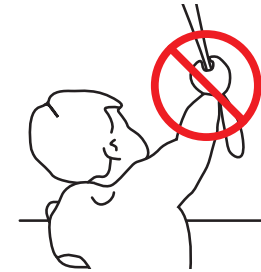
Motor CM-51-E



Motionblinds

⚠ WARNING

Read the instructions carefully before assembling and using the product. Assembly can be completed by non-professionals. For indoor use only.



- Young children can strangle themselves with the loop of pull cords, chains and tapes, and cords that operate window coverings.
- To avoid strangulation and entanglement, keep cords out of reach of young children.
- Cords may ensnare a child's neck.
- Move beds, cots and furniture away from window covering cords.
- Do not tie cords together.
- Make sure cords do not twist together and form a loop.

Cleaning

Follow these general rules when cleaning the outside of the device and its components:

- Use a damp, soft, lint-free cloth. Avoid getting moisture in openings.
- Do not use aerosol sprays, solvents, alcohol, or abrasives.

Service & Support

Do not perform repairs yourself. Do not attempt to open the device or disassemble it. You run the risk of electric shock and voiding the limited warranty. No user-serviceable parts are inside.

Warranty Service

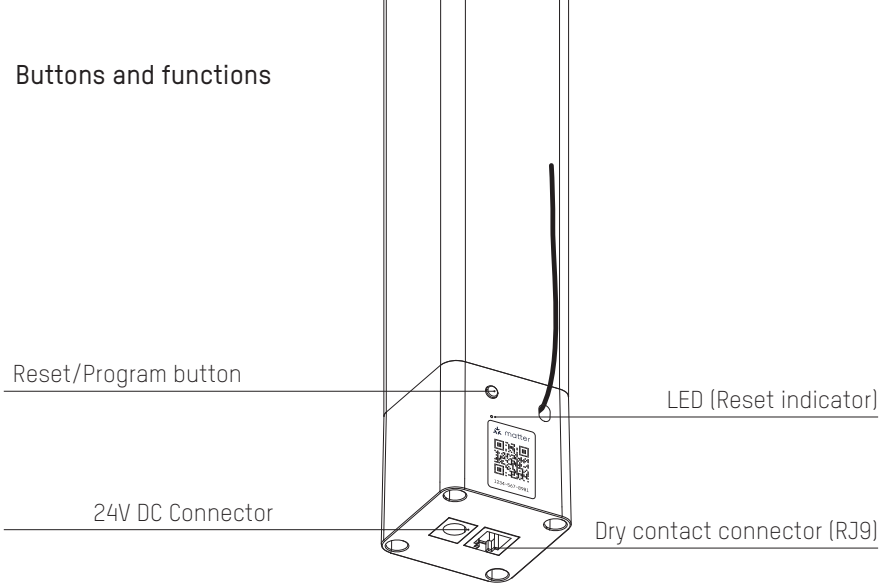
First follow the advice in this manual. If the product appears to be damaged or does not function properly, go to your local dealer for instructions on how to obtain warranty service.

Recycle

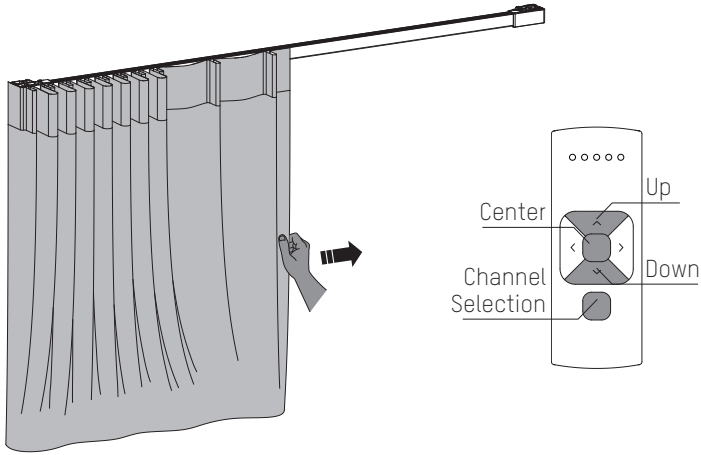
This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collec-tion systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

IP 40 III Powered by 3vE RECOGNIZED COMPONENT c ETL us Intertek 5011728 Conforms to UL Std. 325

Buttons and functions



Operating options

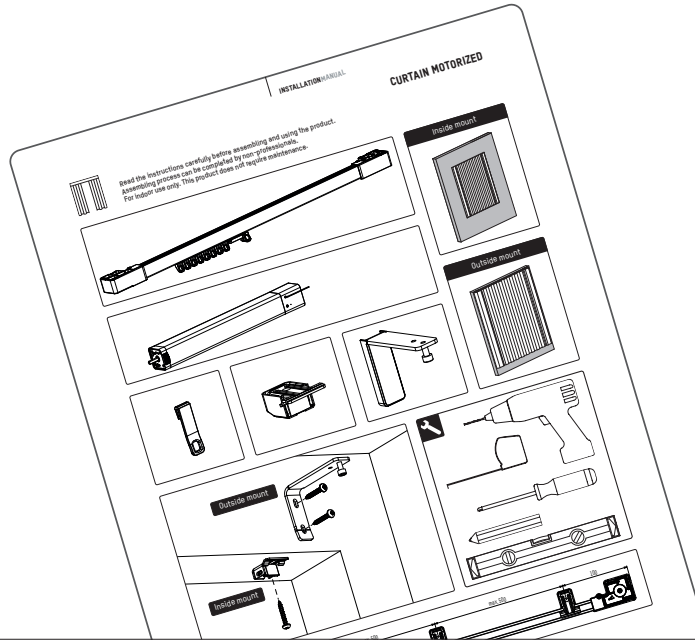


Remote control: Choose the channel to which the blind has been paired using the channel button. Press the up or down button to operate the blind. Press the center button to stop the blind.

Pull control: Pull once to move the blind to the end positions.

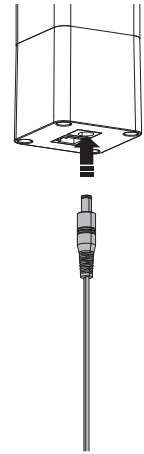
1 Install the blind

Follow the steps in the installation instructions to install the blind.



2 Activate the blind

To activate the blind, connect it to a 24V power supply, make sure to connect + and - poles correctly.



3 Add Eve Motionblinds to your platform

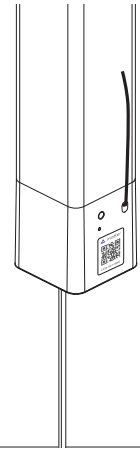
Add Eve Motionblinds to the platform of your choice and make sure to have a compatible Thread Border Router.

More information : Motionblinds.com/eve/matter

4 Setup the blind

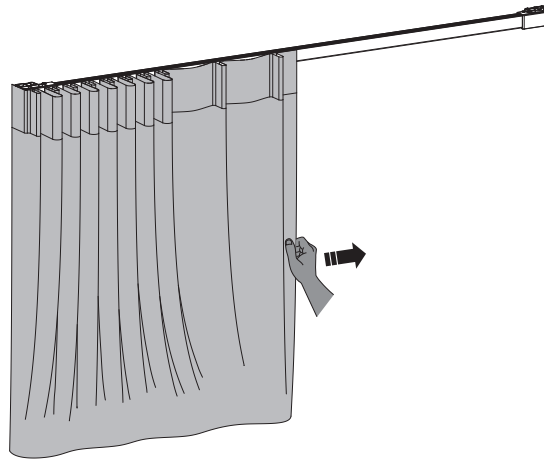
Scan the Matter Setup Code through the app from the smart home platform of your choice to add Eve Motionblinds to the platform.

Eve Motionblinds needs end positions to work properly. End positions can be programmed in the Eve app, or manually, by pulling the fabric away from the motor (step 5).



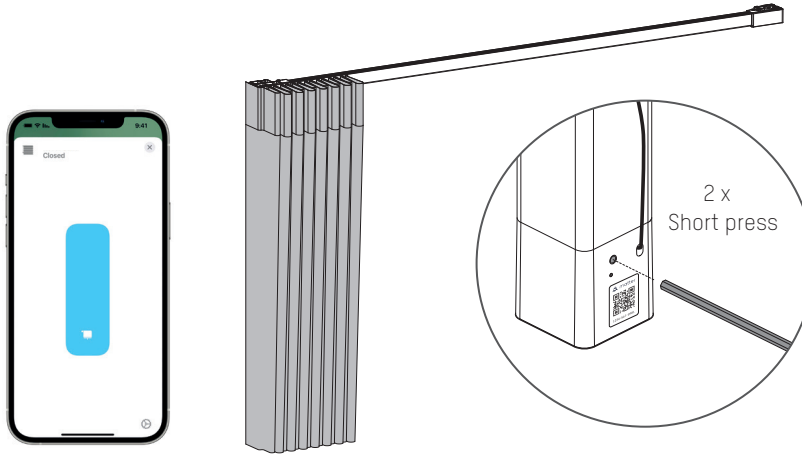
5 Set end positions

Pull the fabric away from the motor and the curtain will automatically start moving to its end positions. If the motor does not start, the direction of rotation must be changed (see below). After changing the rotation of direction, pull again to start the calibration.



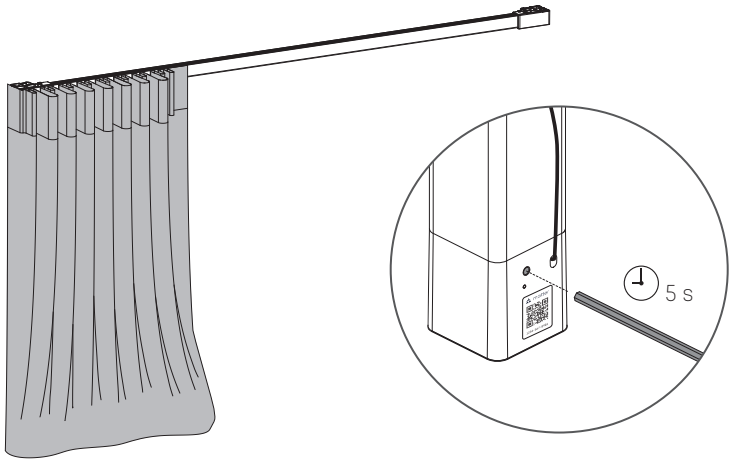
i Change direction of rotation

If the position of the curtain in the app is opposite to your blind, change the direction of rotation by pressing the program button twice within one second.



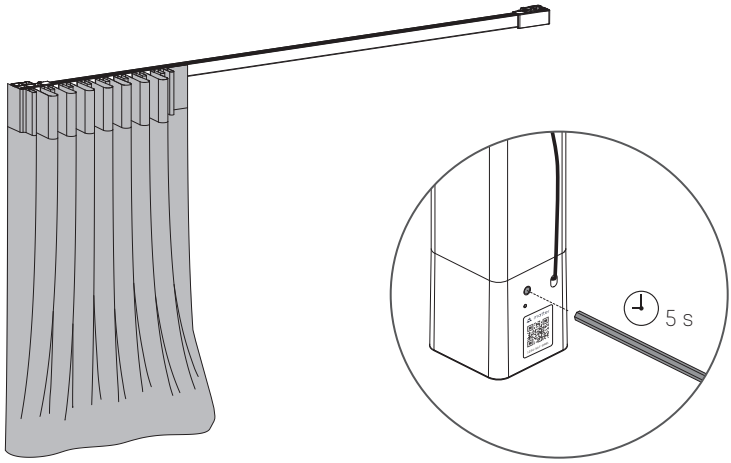
6 Save virtual end position

This feature allows to set a virtual end position to prevent the curtain from being compressed. Use the app or a remote control to position the curtain at the desired virtual end position. Hold the program button for 5 seconds to set the virtual end position.



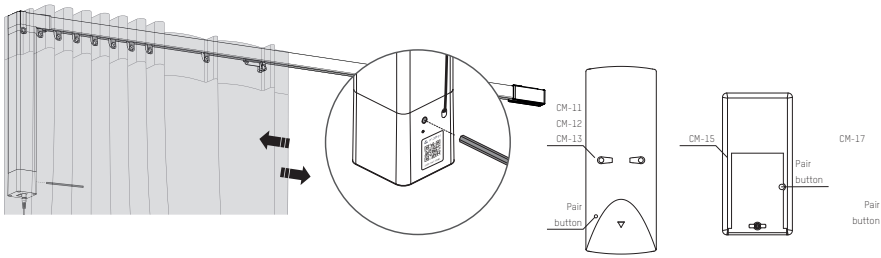
7 Remove virtual end position

Position the curtain at the virtual end position by app, remote control, or by manually pulling the fabric. Hold the program button for 5 seconds to delete the virtual end position. After removing the virtual end position the curtain can be fully opened again and you are able to set a new virtual end position.



Pair a remote control

.1 Select a channel on the remote and press the program button on the motor to activate program mode. The blind will start stepping up and down.



.2 Press the pair button on the back of the remote control to pair the blind with the selected channel.The blind will shortly stop stepping, indicating that the remote has been paired to the blind.

.3 Shortly press the program button to deactivate program mode. The blind stops stepping and can be operated.

Important Safety instructions

WARNING: To reduce the risk of severe injury or death, it is important to follow these instructions for personal safety. Save these instructions.

- Read and follow all installation instructions.
- This appliance can be used by children aged 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 should not play with the appliance. Cleaning and user maintenance should not be performed by children without supervision.
- Do not allow children to play with fixed controls. Keep remote controls away from children.
- Frequently examine the installation for imbalance and signs of wear or damage to cables and springs. Do not use if repair or adjustment is necessary.
- This instruction manual is also available on the website.
- The drive must be disconnected from its power source during cleaning, maintenance and when replacing parts.
- The A-weighted emission sound pressure level of the drive is equal to or less than 70dB(A).
- Indoor and household use only.
- Disconnect the drive from the power supply or switch off the automatic controls when maintenance, such as window cleaning, is being carried out in the vicinity.
- When operating a biased switch, make sure that other persons are kept away.
- Do not operate when maintenance, such as window cleaning, is being carried out in the vicinity.
- The tube motor must only be supplied with safety extra low voltage corresponding to the marking on the appliance.
- Maximum operating temperature of motor is +60°C.

Important Installation instructions

WARNING: Important safety instructions. Follow all instructions, since incorrect installation can lead to severe injury.

- This motor can only be used with soft material for driven parts.
- Hazardous unprotected moving parts of the drive must be installed higher than 2.5m above the floor or any other level surface that could provide access to it.
- Install the actuating member of a manual release at a height less than 1.8m.
- The actuating member of a biased switch is to be located within direct sight of the driven part but away from moving parts. It is to be installed at a minimum height of 1.5m and not accessible to the public.
- The mass and the dimension of the driven part must be compatible with the rated torque and rated operating time.
- Fixed controls have to be clearly visible after installation.
- The driven part must be compatible with the rated torque 1.2 N.m and rated operating time (12 min).
- The drive is intended to be installed at a height of at least 2.5m above the floor or any other accessible level surface.
- All-pole disconnection switches must be incorporated in the fixed wiring in accordance with the wiring rules.
- The appliance must only be supplied at safety extra low voltage corresponding to the marking on the appliance.
- Before installing the drive, remove any unnecessary cords or components and disable any equipment not needed for powered operation.

FCC Manual

Regulatory Information

1 FCC Information for User

This product does not contain any user serviceable components and is to be used with approved antennas only. Any product changes or modifications will invalidate all applicable regulatory certifications and approvals.

2 FCC Electronic Emission Notices

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference
2. This device must accept any interference received, including interference that may cause undesired operation.

3 FCC Radio Frequency Interference statement

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

Operation of this equipment in a residential area may cause harmful interference, in which case the user will be required to correct the interference at their own expense. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the distance separating the equipment and receiver
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

To satisfy FCC / IC RF exposure requirements, a separation distance of 20 cm or more should be maintained between the antenna of this device and persons during device operation.To ensure compliance, operations at closer than this distance is not recommended.

EU Declaration

Hereby, Coulisse declares that the radio equipment type CM-51-E is in compliance whith directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: support.Motionblinds.com

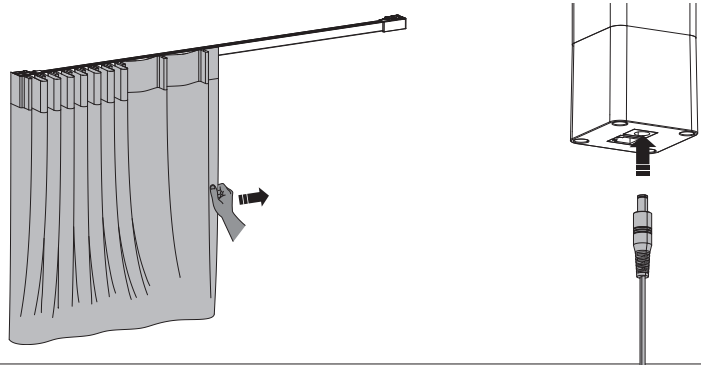
- Frequency range: 433 MHz, RF power: 2.32 dBm
- Frequency range BLE: 2402 - 2480 MHz, RF power: 3 dBm EIRP
- Frequency range Thread: 2405 - 2480 MHz, RF power: < 20 dBm EIRP

ISED Compliance

This device contains licence-exempt transmitter(s)/ receiver(s) that comply with Innovation, Science and Economic Development Canada' s licence-exempt RSS(s). Operation is subject to the following two conditions: This device may not cause interference. This device must accept any interference, including interference that may cause undesired operation of the device.

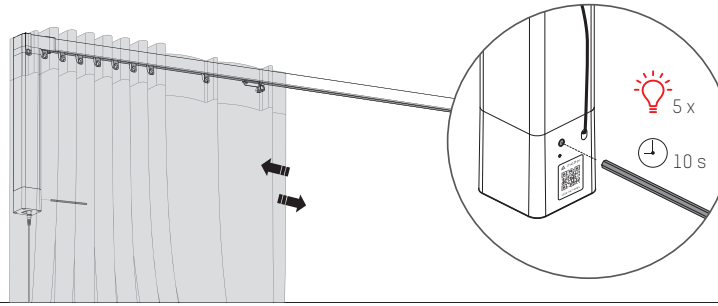
Re-calibrate end positions

When the power supply has been removed, the curtain needs to recalibrate the end positions. manually slide the curtain away from the motor until the motor takes over and starts calibrating. If you pull towards the motor it will not work.



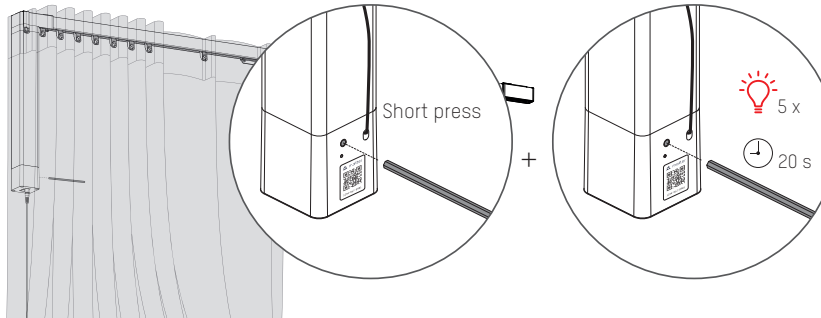
Reset the connection

Hold the program button for 10 seconds to delete the connection between the blind and the app. The LED lights up 5 times and the blind steps up and down 1 time to indicate that the connection is reset. Now the blind can be reconnected.



Reset the blind

Resetting the blind results in deleting the end positions and connections of the blind with apps and remote controls. Shortly press the program button to activate program mode. The blind will start stepping up and down.Hold the reset/program button for at least 20 seconds to reset the blind. The blind will stop stepping twice. After the second stop, the blind will give one extra step to indicate that is has been reset.

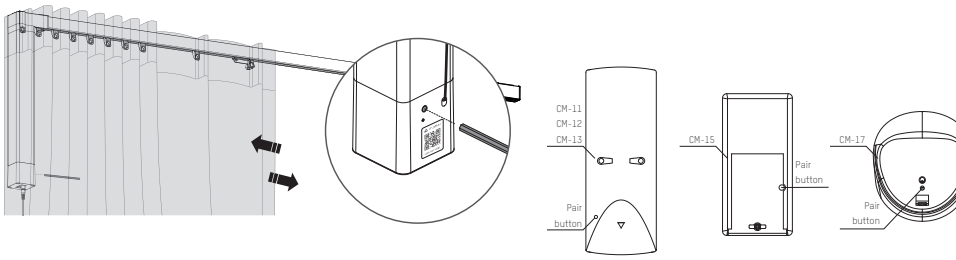


REMOTE PROGRAMMING

1 Pair a remote control

Any Motionblinds remote can be connected to your blind.

.1 Select a channel on the remote and press the program button on the motor to activate program mode. The blind will start stepping up and down.



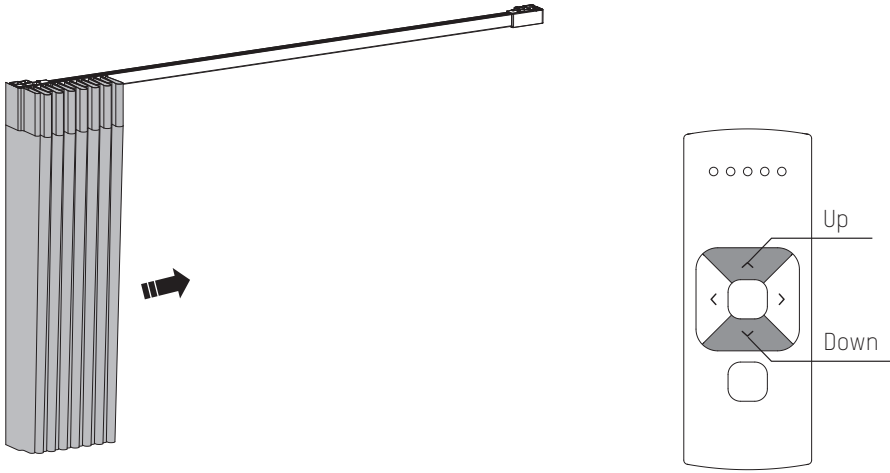
.2 Press the pair button on the back of the remote control to pair the blind with the selected channel.The blind will shortly stop stepping, indicating that the remote has been paired to the blind.

2 Check rotational direction

.1 Shortly press the down button to check if the curtain moves the right way. If the curtain moves towards the motor, the rotational direction must be changed.

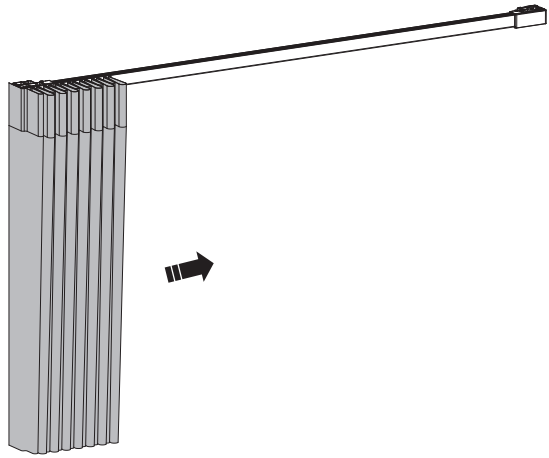
.2 Simultaneously press the up and down button to change the rotational direction.

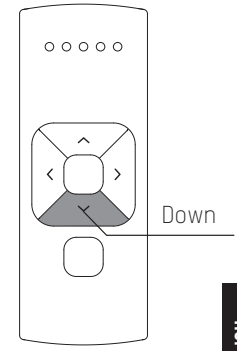
.3 Shortly press the program button to deactivate program mode.



3 Set end positions

Press the down button, the curtain will automatically start moving to its end positions.
Do not stop the blind during initialisation.





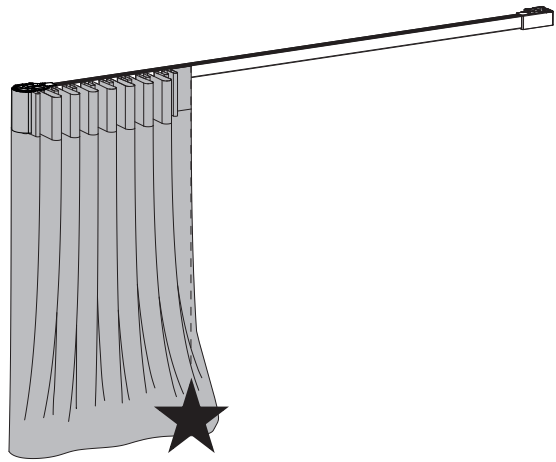
4 Set favorite position (optional)

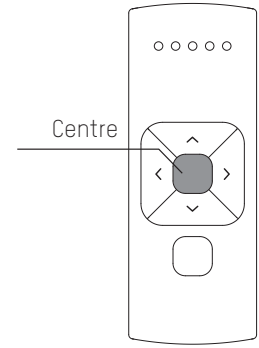
.1 Move the curtain to a desired favourite position.

.2 Shortly press the program button to activate program mode.

.3 Hold the centre button to save this Favourite position. The curtain shortly stops stepping indicating the favourite position has been saved.

.4 Shortly press the program button to deactivate program mode.



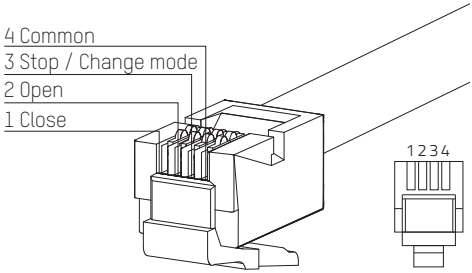


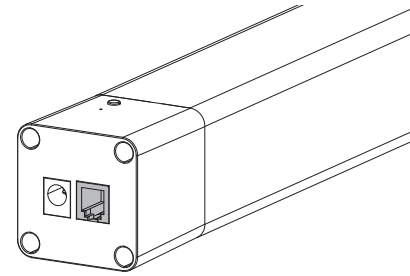
Dry contact

This motor uses dry contacts to control your window coverings. It has four modes for different needs:

1. **Mechanical Mode** (Default) The motor moves while you hold the button/relay and stops when you release it.
2. **Pulse Mode** Shortly press the button to move the blind. Shortly press the same button again while moving to stop the blind.
3. **Pulse Mode with additional stop button** Like pulse mode, but an extra stop button(3) is needed to stop the blind while moving.
4. **Single Button Mode** Press the button to open, stop, or close the blind. Each press alternates its action only. Only open/close needs to be connected in order to control the blind.

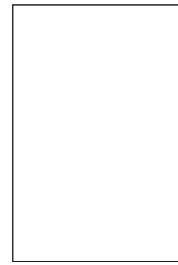
To change between the modes connect the common with the stop for 10 seconds, the blind will move up and down multiple times according to the number in front of the mode type.





FAQ

Problem	Cause	Solution
Blind does not work.	Remote battery is empty. (LEDS of remote are flashing rapidly.)	Replace the battery in the remote. See the manual of the remote.
	Remote battery is inserted incorrectly.	Replace the battery in the remote. See the manual of the remote.
	Radio-frequency interference	Make sure that the antenna of the motor is out of the way of metal objects.
	The distance from the phone/bridge/remote to the motor is too far.	Move closer to the motor.
	The remote is not connected to the blind.	Pair the remote with the motor. See page 8.
Multiple blinds respond to a remote. (Unable to program a single blind)	Multiple blinds are paired with a single channel.	Pair the blind with a free channel to program or use single select to program the blind.
Favourite position can not be programmed.	No end limits are programmed.	Program end limits. See page 6, 14-15.
Blind moves in the opposite direction.	The rotational direction has been set incorrectly.	Change the rotational direction. See page 6, 14.
The blind keeps moving up and down.	The blind is in program mode.	Press the program button on the motor to exit program mode.
The blind will not connect with your Thread-network.	The blinds connection is not stable.	1) Turn on Bluetooth 2) De-activate the motor and re-activate the motor and try to connect again. See page 4 3) Close the app and reconnect with your motor.



room:

notes:

Coulisse B.V. Vonderweg 48, 7468 DC Enter, The Netherlands

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