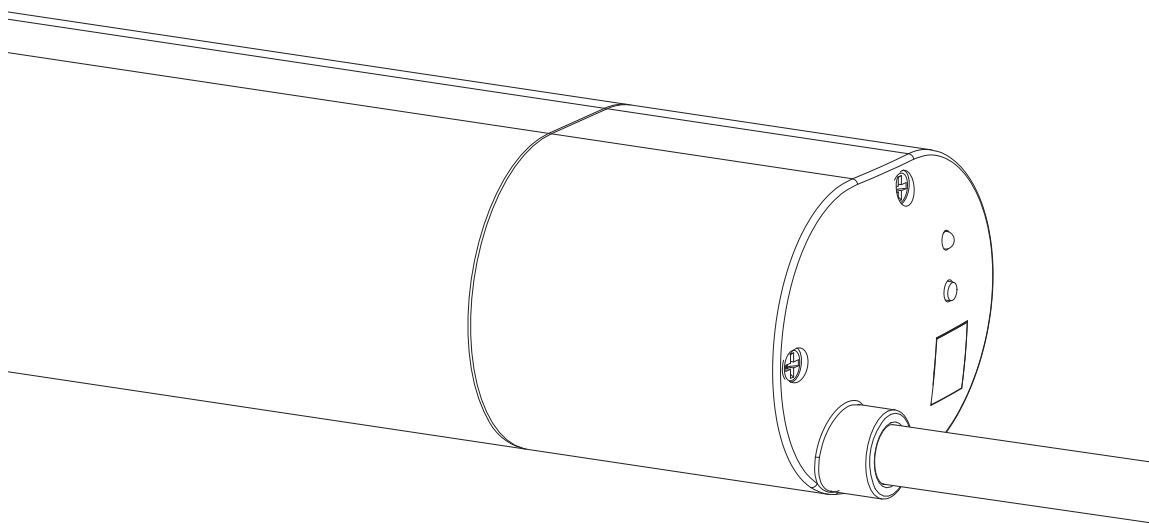


MANUAL CM-35

AC electric curtain motor
with pull and remote operation



MOTION

CM-35
AC electric curtain motor
with pull and remote operation



Motor features



AC Motor

Alternating current
motor



120V/230V

Powered by
120V/230V mains
electricity



Strong

High torque
motorization for
heavy application



Silent

Low noise
motorization for
quiet operation



Bi-directional

Two-way
communication for
real-time response

Control options



Pull Control

Operate with
pull control



Remote Control

Operate with a
remote controls



App Control

Operate with the
MOTION app



Connectivity

Compatible with
home and building
automation

Support



Video

How to install,
program and operate
rtube.nl/red1411



App Store

Download the
MOTION app
rtube.nl/red981

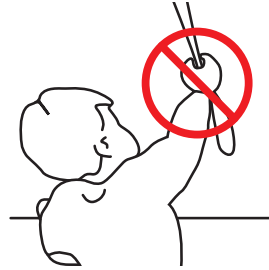


Google Play

Download the
MOTION app
rtube.nl/red982

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 collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.



IP 40



Conforms to
UL Std. 325
Certified to
CSA Std. C22.2#247

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.

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 (CM-35 0.8N.m) and rated operating time (4 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 | FCC ID: ZY4CM35**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.

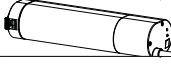
Operation of this equipment in a residential area may cause harmful interference, in which case the user will be required to correct the interference at their own expense. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment 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

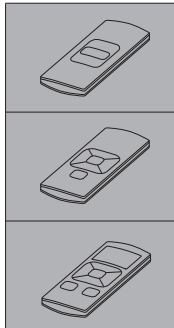
EU Declaration

Hereby, Coulisse declares that the radio equipment type CM-35 is in compliance with directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: www.my.coulisse.com

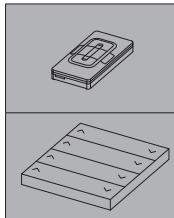
MOTION CM-35 ELECTRONIC CURTAIN MOTOR

Motor		Application	Description	Couple	Vitesse
CM-35			AC Curtain motor	0.8 Nm 50 kg	20 CM/S
CM-35-120			AC Curtain motor	0.8 Nm 50 kg	24 CM/S

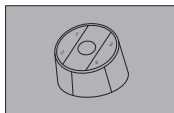
	Channels	Wall mount	Program blinds	Single select	Channel select	Max. blinds	M s
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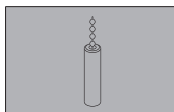
CM-11 Hand remote	1	■	■	-	-	unlimited	n
CM-12 Hand remote	5	■	■	■	■	unlimited	n
CM-13 Hand remote	15	■	■	■	■	unlimited	n



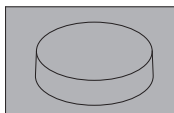
CM-15 Wall remote	1	■	■	-	-	unlimited	n
CM-16 Wall remote	4	■	-	-	-	unlimited	n



CM-17 Table remote	4	-	■	-	-	unlimited	n
------------------------------	---	---	---	---	---	-----------	---



CM-18 Pull remote	1	-	-	-	-	unlimited	n
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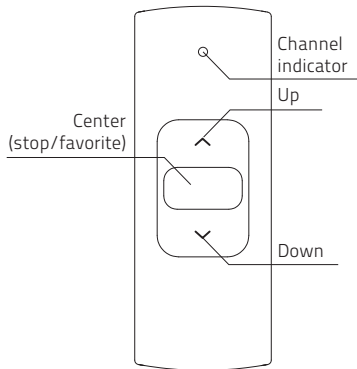
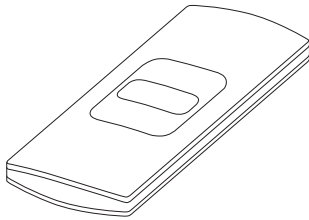
CM-20 Motion Wifi bridge	n/a	■	■	-	-	30	2
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MOTION CM-35 ELECTRONIC CURTAIN MOTOR

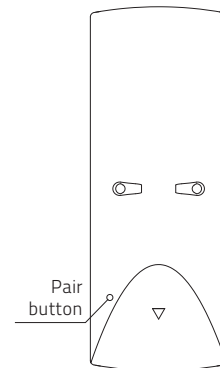
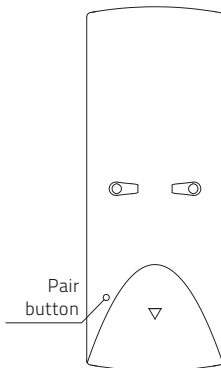
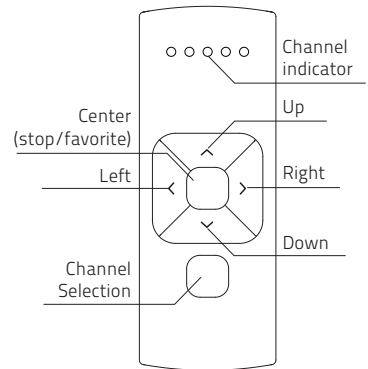
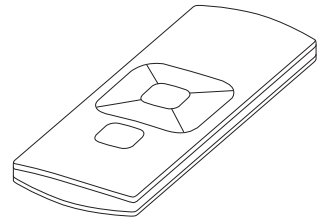
Source d'énergie	Alimentation	Mot de passe fort	Silencieux	Température de fonctionnement	Puissance d'émission de la fréquence	Certificats
				-10°C~50°C	2.32dBm	
				-10°C~50°C	2.32dBm	 

Max. scenes	Frequency	Range	Power supply	Length	Width	Height	Certificates
d n/a	433 MHz	30 m with 1 concrete wall	CR2430 3.0V	120 mm	45 mm	14 mm	 
d n/a	433 MHz	30 m with 1 concrete wall	CR2430 3.0V	120 mm	45 mm	14 mm	 
d n/a	433 MHz	30 m with 1 concrete wall	CR2430 3.0V	120 mm	45 mm	14 mm	 
d n/a	433 MHz	30 m with 1 concrete wall	CR2430 3.0V	66 mm	32,5 mm	13,8 mm	 
d n/a	433 MHz	30 m with 1 concrete wall	3 x CR2430 3.0V	86 mm	86 mm	17 mm	 
d n/a	433 MHz	30 m with 1 concrete wall	2 x CR2450 3.0V	70,3 mm	62,7 mm	52,3 mm	 
d n/a	433 MHz	20 m open space	2 x LR44 1.5V	19,5 mm ø		69,9 mm	 
20	433 MHz Wi-Fi 2.4 GHz	30 m with 1 concrete wall	Micro USB - 5V DC	100 mm ø		25 mm	 

CM-11
1 Channel Remote

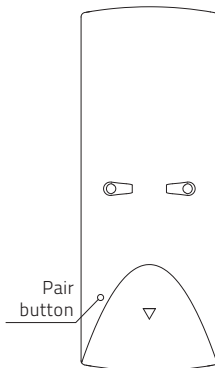
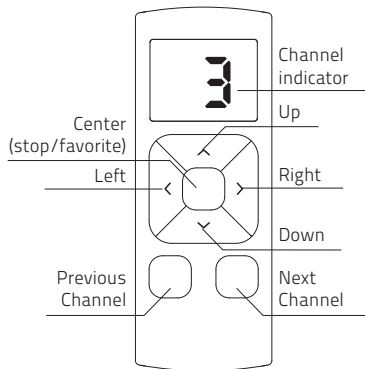
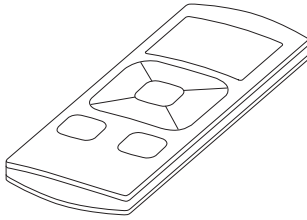


CM-12
5 Channel Remote



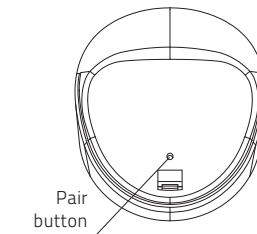
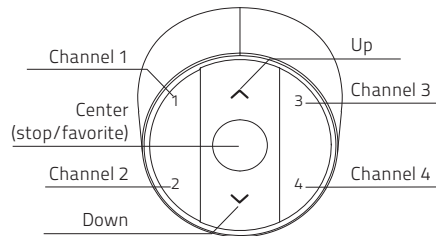
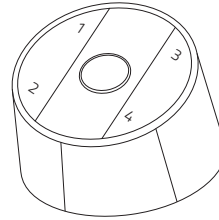
CM-13

15 Channel Remote



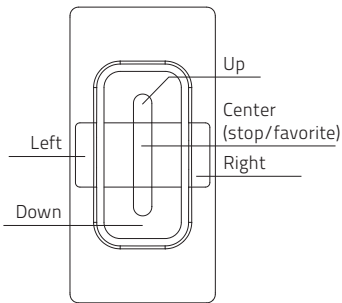
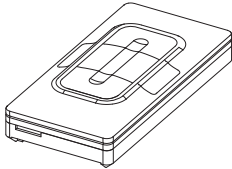
CM-17

4 Channel Table Remote



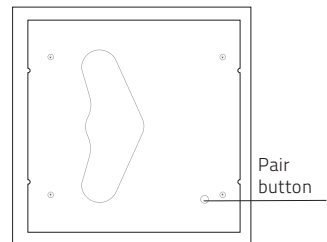
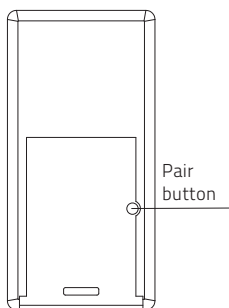
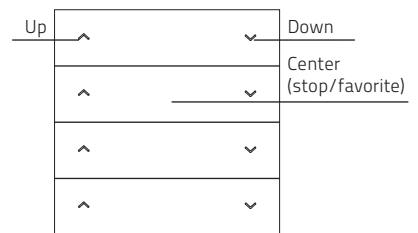
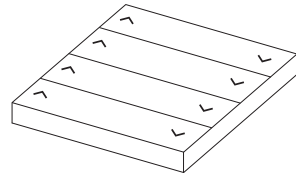
CM-15

1 Channel Wall Remote



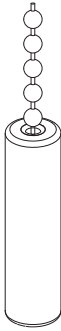
CM-16

4 Channel Wall Remote



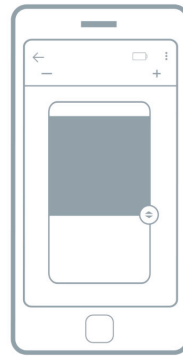
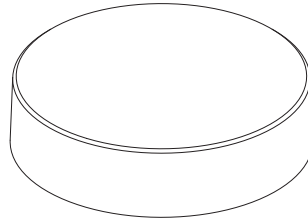
CM-18

1 Channel Tassel Remote

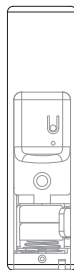
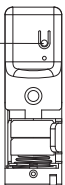


CM-20

Motion Bridge

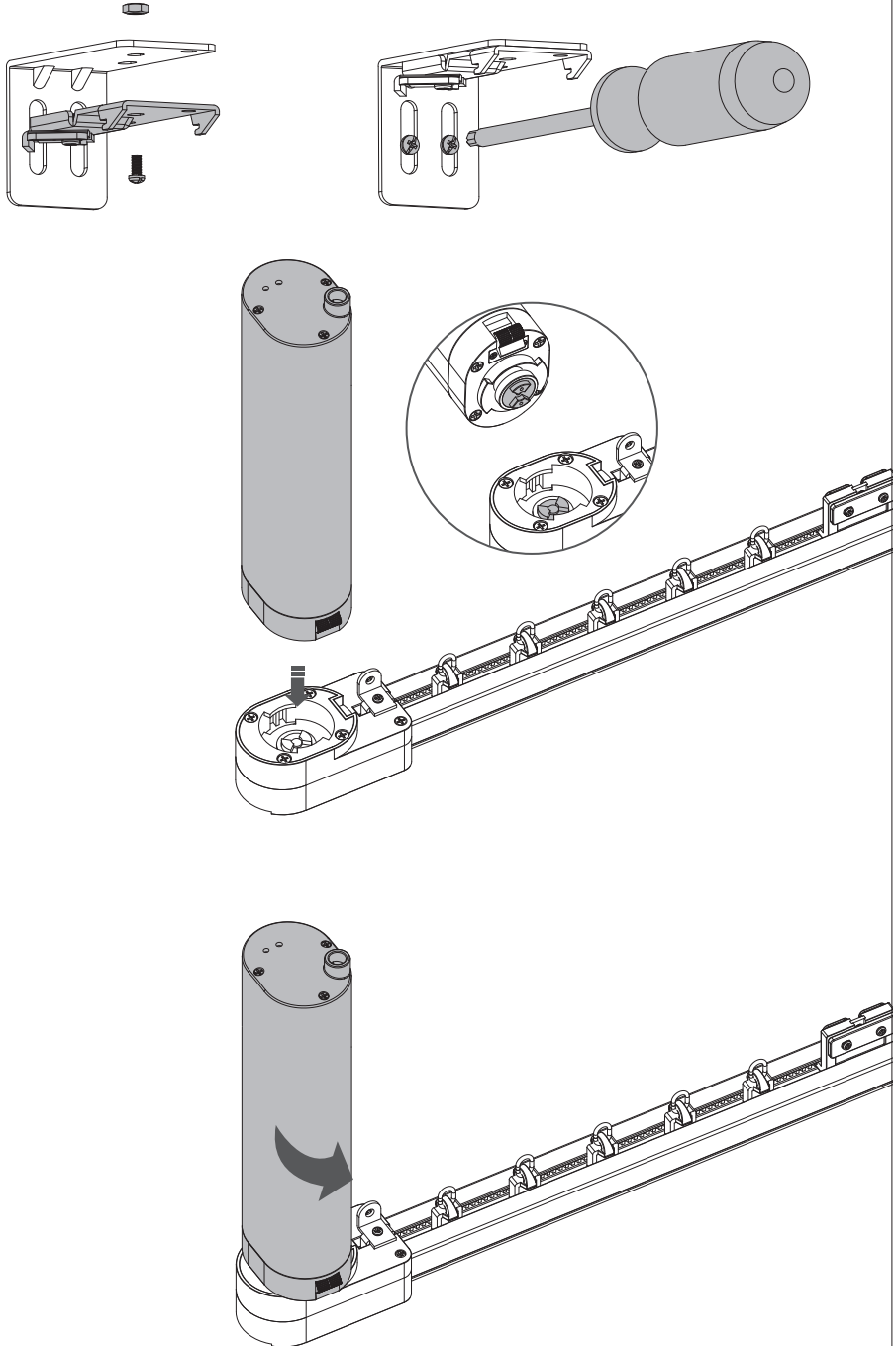


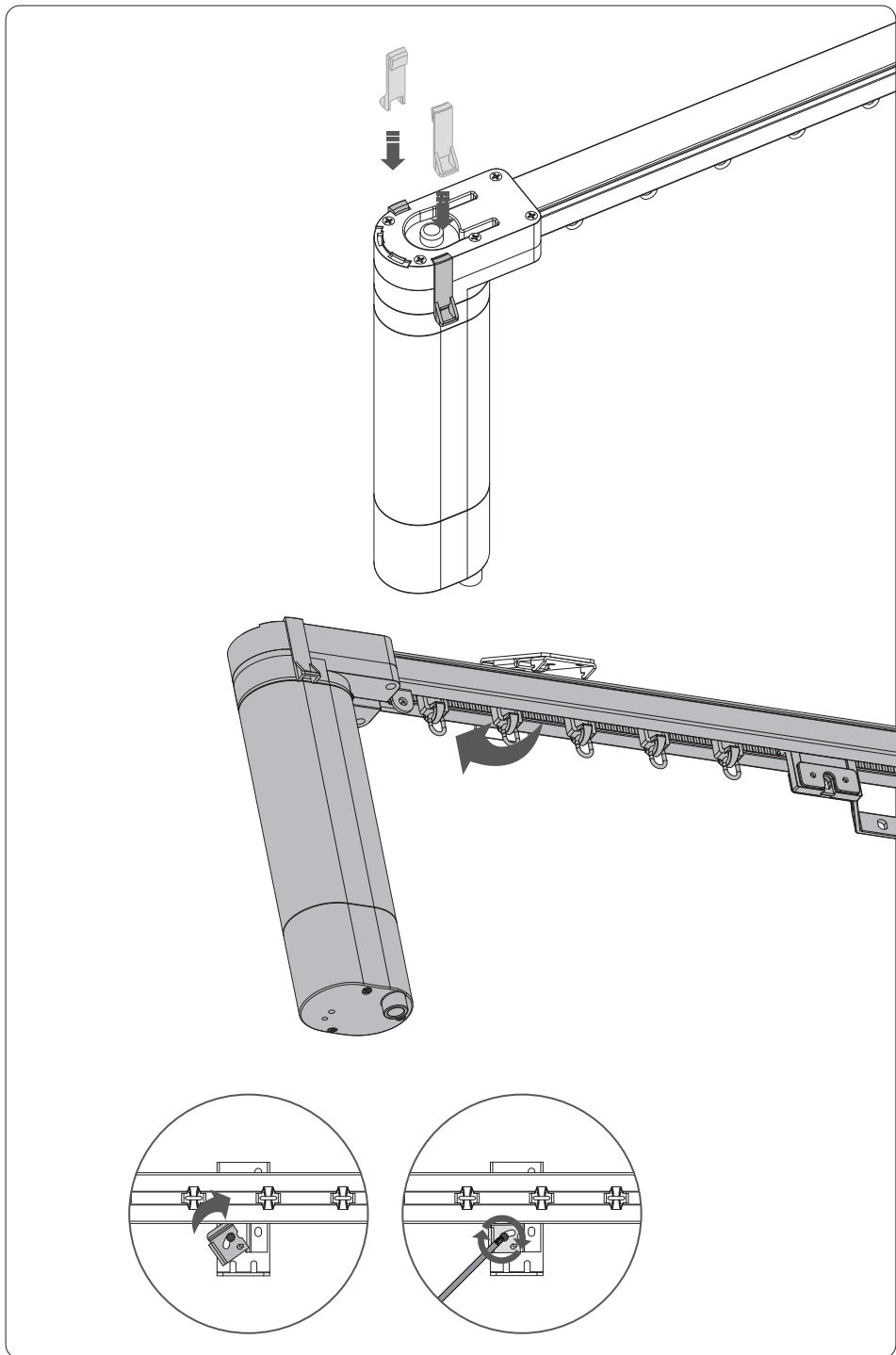
Pair
button



See manual CM-20

1 Install the blind





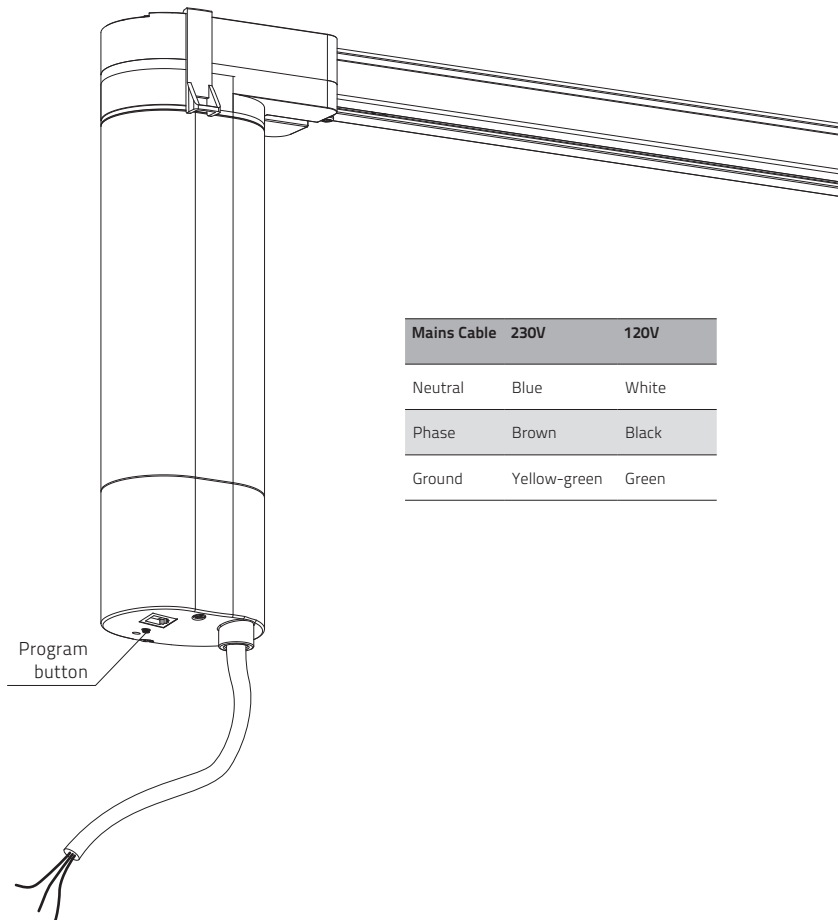
2 Connecting diagram



IMPORTANT:

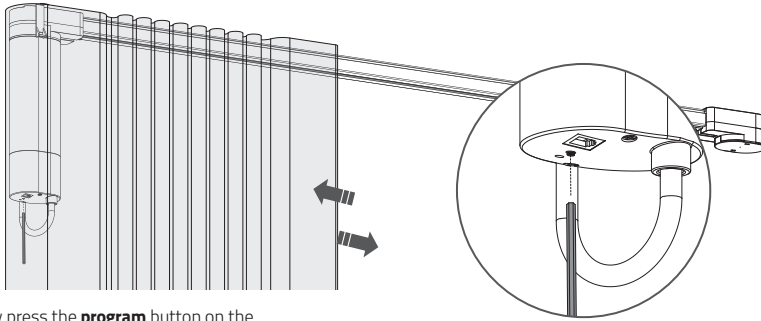
When the mains cable is permanently connected, a readily accessible disconnect device must be incorporated externally to the motor.

When there is a pluggable connector installed on the mains cable, the socket-outlet must be installed near the motor and shall be easily accessible.

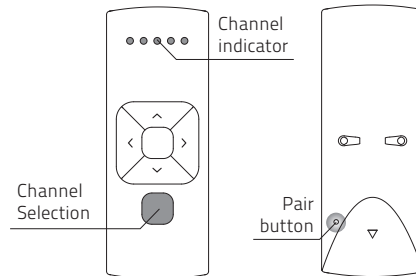


3 Pair a remote

- i** Pair a remote control that is able to program blinds. See pages 6 and 7 for remote controls details. In this manual CM-12 is displayed.



- 3.1** Shortly press the **program** button on the motor. The blind will start stepping, indicating that program mode has been activated. (The blind remains stepping until the program mode is de-activated.)
- 3.2** Select a desired channel for the blind using the **channel selection** button on the remote control.
- 3.3** Press the **pair** button on the back of the remote control to pair the blind to the selected channel. The blind will shortly stop stepping indicating that the remote has been paired to the blind.



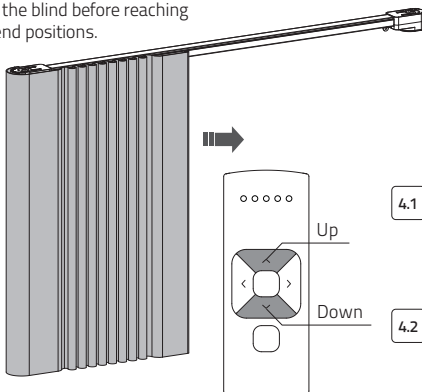
- i** Repeat steps 3.1 - 3.3 to remove a blind from a channel.

- i** End limits must be programmed to use a blind properly and to prevent it from being damaged. Proceed to step 7 if end limits are already set.

4 Check direction of rotation

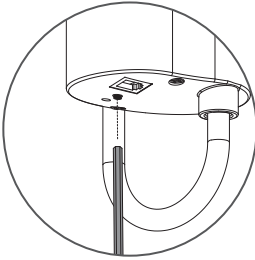


WARNING: risk of damage.
Stop the blind before reaching
the end positions.

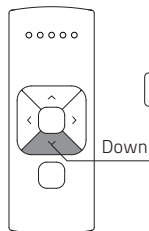
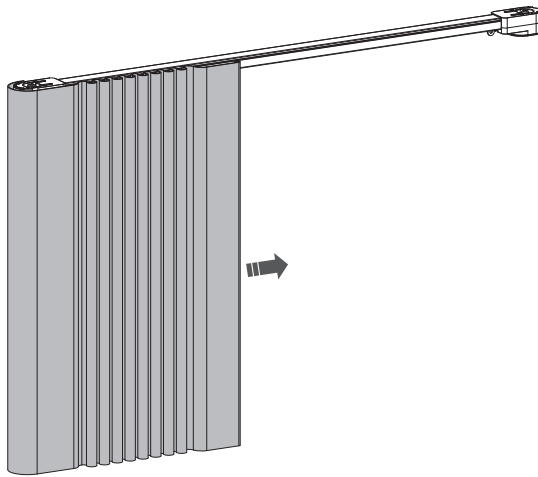


- 4.1** Shortly press the **down** button to check if the blind moves the right way: away from the motor. If the blind moves the other way, the rotational direction must be changed.
- 4.2** Simultaneously press the **up** and **down** button to change the direction of rotation.

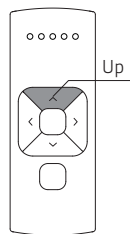
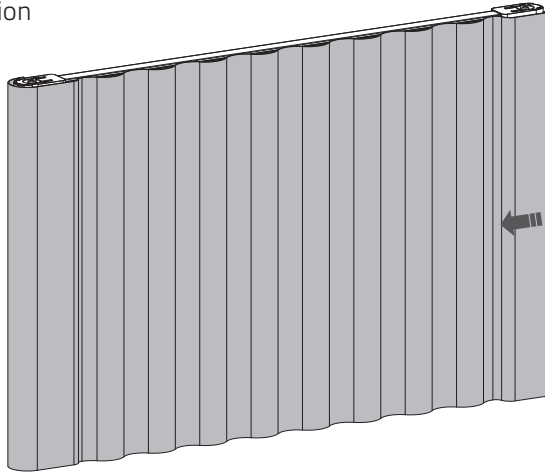
5 Set closed position



- 5.1** Before programming the end positions, program mode must be de-activated. Shortly press the program button to de-activate program mode. The blind stops stepping and the end positions can be set.

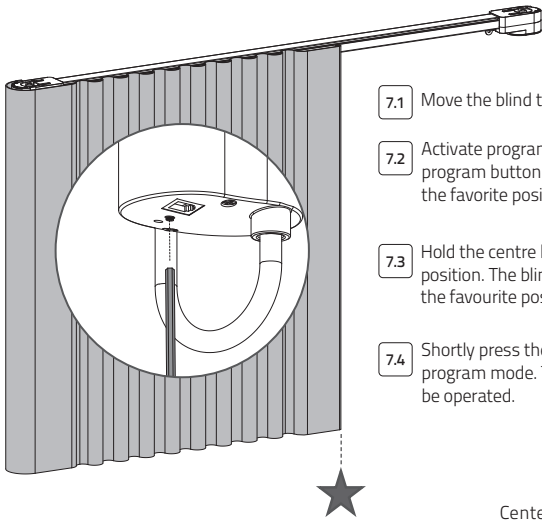


- 5.2** Press the **down** button down to automatically move the blind to the closed position. Once the closed position has been reached, the position is saved.

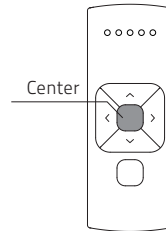
6 Set open position

- 6.1** Press the button **up** to automatically move the blind to the open position. Once the open position has been reached, the position is saved.

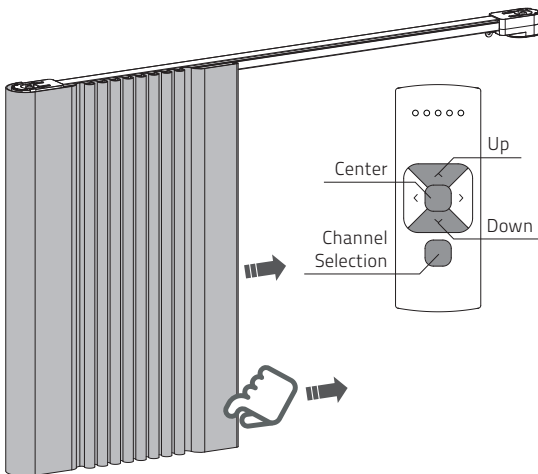
7 Set favourite position (optional)



- 7.1 Move the blind to a desired favourite position.
- 7.2 Activate program mode by shortly pressing the program button. The curtain will start stepping and the favorite position can be set.
- 7.3 Hold the centre button to save this favourite position. The blind shortly stops stepping indicating the favourite position has been saved.
- 7.4 Shortly press the program button to deactivate program mode. The blind stops stepping and can be operated.



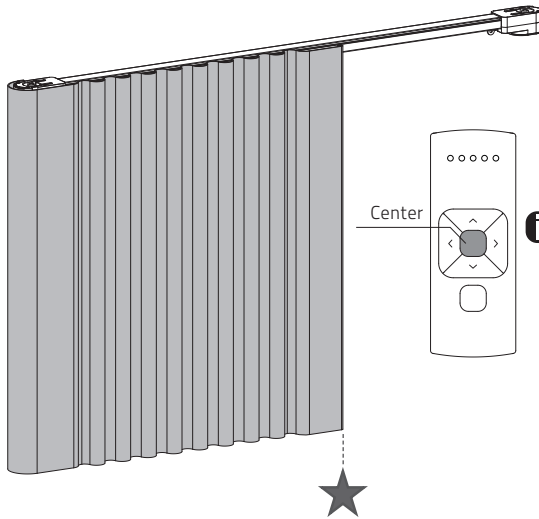
8 Operate the blind



i 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. Use the left and right button to move the blind in small steps.

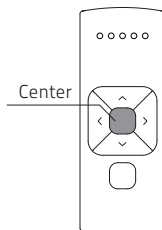
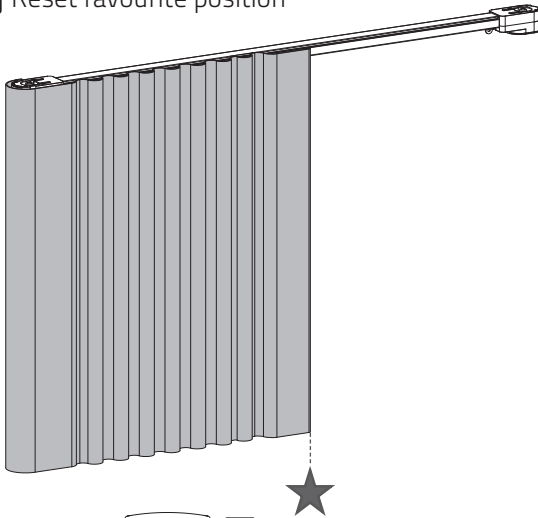
i Pull control: Pull once to move the blind to the end positions.

9 Move to favourite position



i Remote control: Press the **center** button to move the blind to the favourite position.

10 Reset favourite position

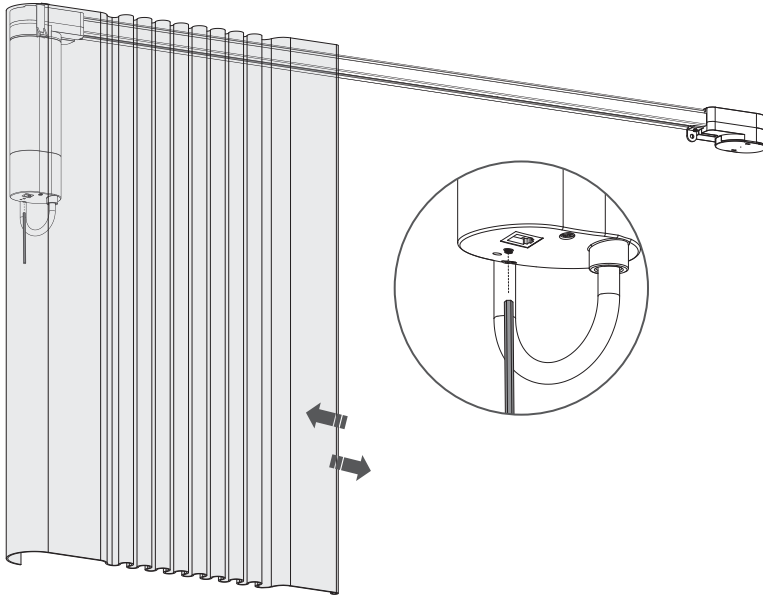


- 10.1** Move the blind to a desired favourite position.
- 10.2** Press the **program** button on the motor to activate program mode. The blind starts stepping.
- 10.3** Hold the **center** button to save this favourite position. The blind shortly stops stepping indicating the favourite position has been saved successfully.
- 10.4** Press the **program** button on the motor to de-activate program mode. The blind stops stepping.

11 Reset the blind

It is possible to only delete end limits or to do a factory reset.

Factory reset will delete the end limits and remove the connection to any paired remote.



11.1 Press the program button on the motor to activate program mode.



Delete end limits: To delete the end limits of the blind hold the **program** button until the blind stops stepping for the first time, keep holding the button until the blind stops stepping for the second time. (approximately 10 seconds)

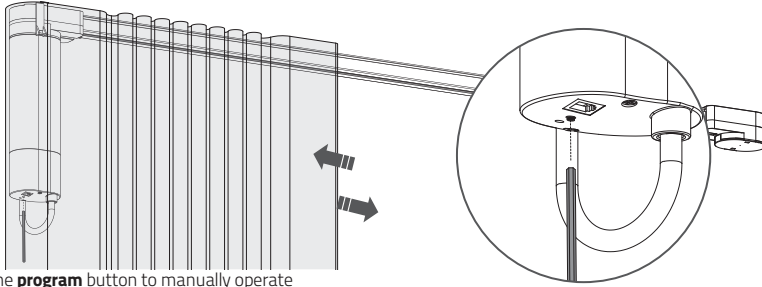


Factory reset: To reset the blind to factory defaults hold the button for at least 20 seconds. The blind will stop stepping twice. After the second stop the blind will give one extra step to confirm factory reset.

i Advanced options

12 Manual control

- i** In case there is no remote control or pull control, the blind can be operated with the program button on the motor.

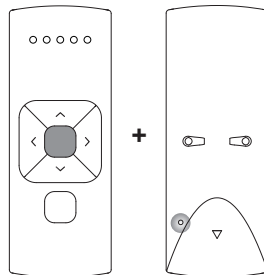


- 12.1** Hold the **program** button to manually operate the blind. The blind will move as long as the button is being pressed. (max. 15 sec.)
- 12.2** To move the blind in opposite direction, release the **program** button and repeat step 12.1.

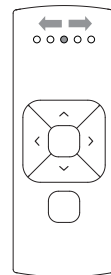
13 Single select 5 channel remote

- i** Single select makes it possible to activate program mode on a single blind through a remote control, without having to physically press the program button on the blind.

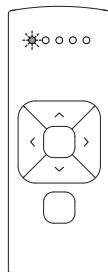
- 13.1** To activate Single select simultaneously hold the **center** button and press the **pair** button.



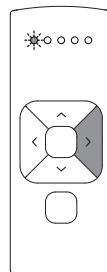
- 13.2** The remote starts searching for blinds (search mode). This is indicated by the LED's flashing from left to right.



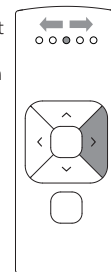
- 13.3** Once a blind is found the channel LED will flash and the blind starts stepping, indicating that program mode has been activated. The blind can now be (un)paired to the remote and/or programmed.



- 13.4** To search for the next blind press the **right** button. Search mode will be activated. To find the previous blind press the left button.



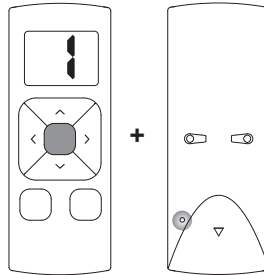
- 13.5** To exit Single select press the **right** button during search mode.



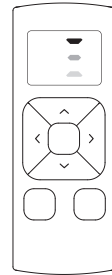
14 Single select 15 channel remote

i Single select makes it possible to activate program mode on a single blind through a remote control, without having to physically press the program button on the blind.

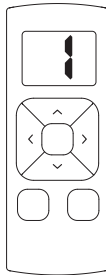
14.1 To activate Single select simultaneously hold the **center** button and press the **pair** button.



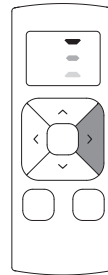
14.2 The remote starts searching for blinds (search mode). This is indicated by the horizontal bars on the remote.



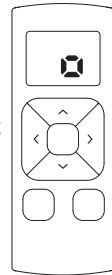
14.3 Once a blind is found the channel number will flash and the blind starts stepping, indicating that program mode has been activated. The blind can now be (un)paired to the remote and/or programmed.



14.4 To search for the next blind press the **right** button. Search mode will be activated. To find the previous blind press the left button.



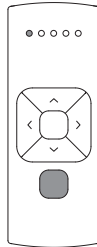
14.5 To exit Single select press the **right** button during search mode. The display shows the letter **O**.



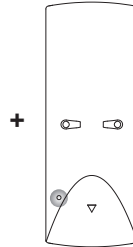
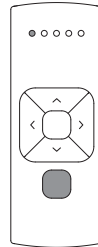
15 Channel select 5 channel remote

i Channel select makes it possible to copy blinds in between channels/remotes without having to physically press the program button on the motors.

- 15.1** Select the channel from which the blinds must be copied.

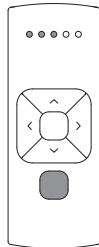


- 15.2** To activate channel select simultaneously hold the **channel selection** button and press the **pair** button.

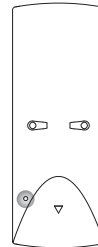


15.3

All blinds in the selected channel will start stepping, indicating program mode has been activated. All blinds can be copied to a new channel on the same remote or other remote. Select a new channel on the (new) remote.



- 15.4** Press the pair button on the (new) remote to pair the blinds to the new channel.

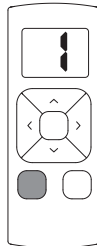


- 15.5** To exit channel select go back to the channel selected at step 15.1 and repeat step 15.2

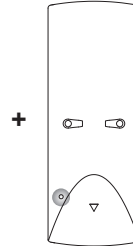
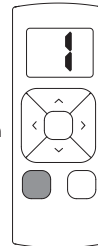
16 Channel select 15 channel remote

i Channel select makes it possible to copy blinds in between channels/remotes without having to physically press the program button on the motors.

- 16.1** Select the channel you would like to copy.

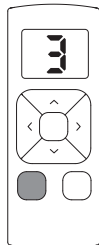


- 16.2** To activate channel select simultaneously hold the **channel selection** button and press the **pair** button.

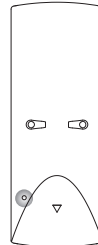


16.3

All blinds in the selected channel will start stepping, indicating program mode has been activated. All blinds can be copied to a new channel on the same remote or to other remotes. Select a channel on a (new) remote.



- 16.4** Press program button on the (new) remote to pair the blinds to the (new) remote.



- 16.5** To exit channel select choose the channel you selected at step 16.1 and repeat step 16.2

Frequently Asked Questions

Problem	Cause	Solution
Blind does not work.	Power supply is not connected.	Connect the power supply to the motor.
	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 from metal objects.
	The distance from the remote to the motor is too far.	Move closer to the motor.
	The remote is not connected to the blind.	Pair the remote to the motor. See step 6.
Multiple blinds respond to a remote. (Unable to program a single blind)	Multiple blinds are paired to a single channel.	Pair the blind to a free channel to program or use single select to program the blind.
Blind moves in small steps.	No end limits are programmed.	Program end limits. See step 5 - 6.
Favorite position can not be programmed.	No end limits are programmed.	Program end limits. See step 5 - 6.
Blind moves in the opposite direction.	The direction of rotation has been set incorrect.	Change the direction of rotation. See step 4.
The blind keeps moving left and right.	The blind is in program mode.	Press the program button on the motor to exit program mode.

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