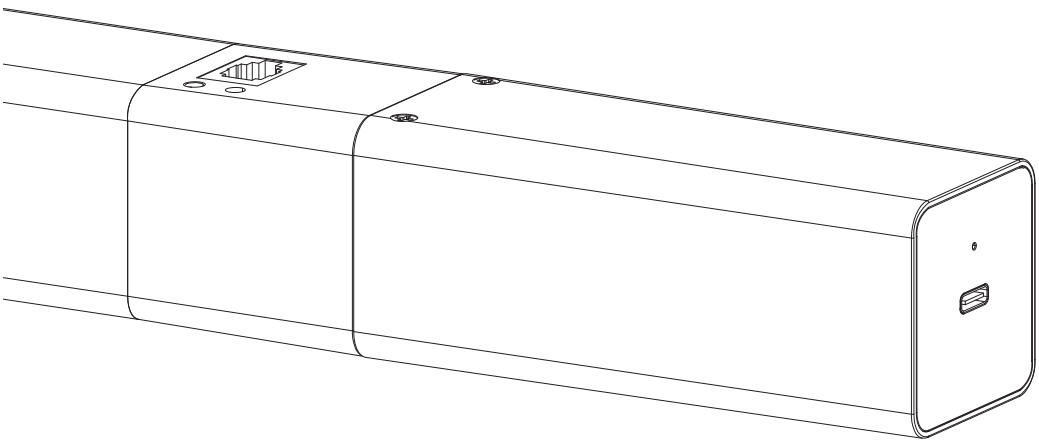
MANUAL CM-36

Li-ion battery powered curtain motor
with pull and remote operation



MOTION

CM-36
Li-ion battery powered curtain motor
with pull and remote operation



Motor features



Li-ion Battery
Integrated lithium-ion battery



USB Rechargeable
Rechargeable with micro USB



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/red1495



App Store
Download the MOTION app
rtube.nl/red981

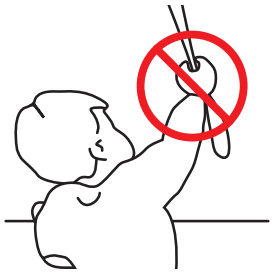


Google Play
Download the MOTION app
rtube.nl/red982

CM36DC Curtain motor.indd 2 11-01-2021 19:15

⚠ 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

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-36 1.2N.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.

CM36DC Curtain motor.indd 4 11-01-2021 19:15

FCC Manual | FCC ID: ZY4CM36

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.

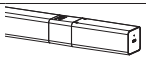
3 FCC Radio Frequency Interference statement

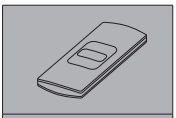
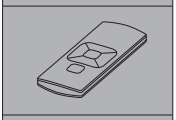
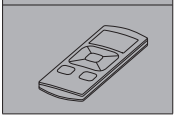
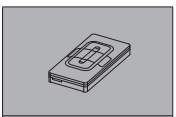
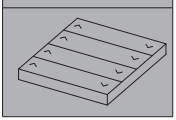
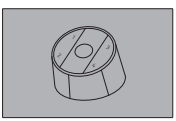
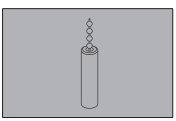
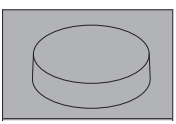
This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, 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-36 is in compliance whith directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: www.my.coulisse.com

Motor		Application	Description	Torque	Speed	P su
CM-36			Li-ion curtain motor	1.2 Nm 50 kg	20 CM/S	

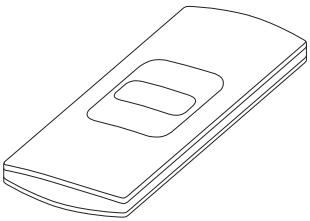
		Channels	Wall mount	Program blinds	Single select	Channel select	Max. blinds	M s
	**CM-11** Hand remote	1	■	■	-	-	unlimited	n
	**CM-12** Hand remote	5	■	■	■	■	unlimited	n
	**CM-13** Hand remote	15	■	■	■	■	unlimited	n
	**CM-15** Wall remote	1	■	■	-	-	unlimited	n
	**CM-16** Wall remote	4	■	-	-	-	unlimited	n
	**CM-17** Table remote	4	-	■	-	-	unlimited	n
	**CM-18** Pull remote	1	-	-	-	-	unlimited	n
	**CM-20** Motion Wifi bridge	n/a	■	■	-	-	30	2

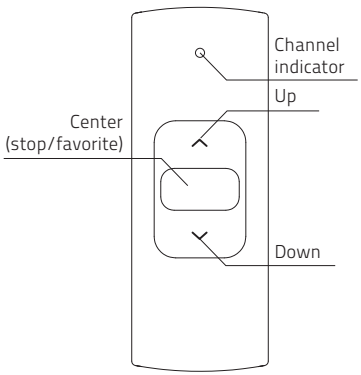
CM36DC Curtain motor.indd 6 11-01-2021 19:15

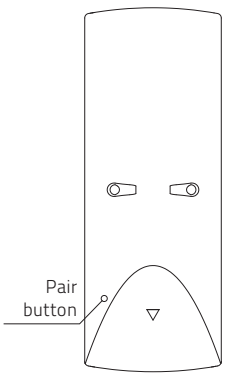
Power supply	Input	High torque	Extra silent	Cable free	Working temperature	Frequency emission power	Certificates
					-10°C–50°C	2.32dBm	CE ETL FC

	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	CE FC
d	n/a	433 MHz	30 m with 1 concrete wall	CR2430 3.0V	120 mm	45 mm	14 mm	CE FC
d	n/a	433 MHz	30 m with 1 concrete wall	CR2430 3.0V	120 mm	45 mm	14 mm	CE FC
d	n/a	433 MHz	30 m with 1 concrete wall	CR2430 3.0V	66 mm	32,5 mm	13,8 mm	CE FC
d	n/a	433 MHz	30 m with 1 concrete wall	3 x CR2430 3.0V	86 mm	86 mm	17 mm	CE FC
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	CE FC
d	n/a	433 MHz	20 m open space	2 x LR44 1.5V	19,5 mm ø		69,9 mm	CE FC
	20	433 MHz Wi-FI 2.4 GHz	30 m with 1 concrete wall	Micro USB - 5V DC	100 mm ø		25 mm	CE FC

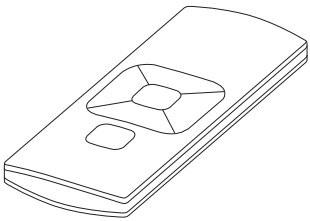
CM-11
1 Channel Remote

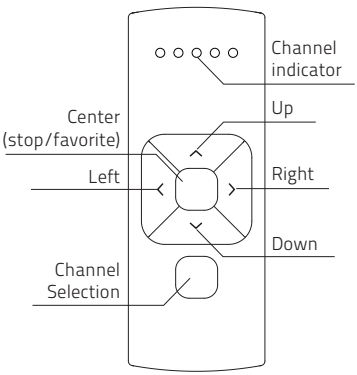


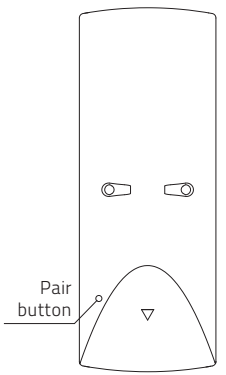




CM-12
5 Channel Remote

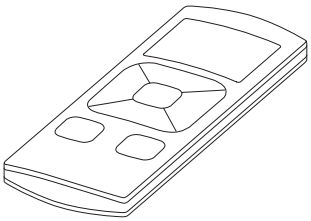


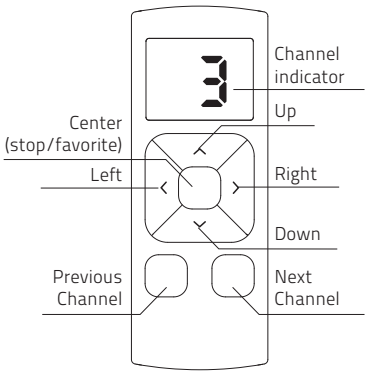


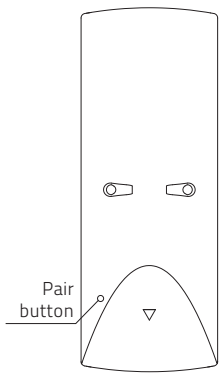


CM36DC Curtain motor.indd 8 11-01-2021 19:15

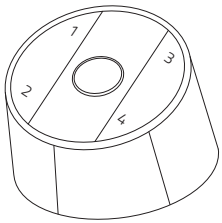
CM-13
15 Channel Remote

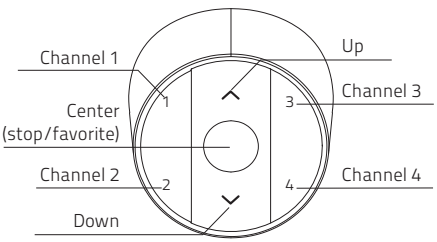


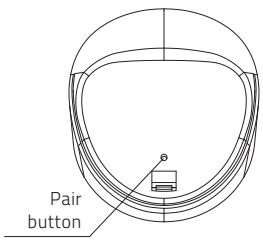




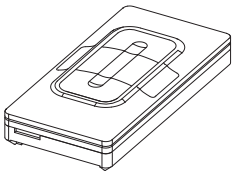
CM-17
4 Channel Table Remote

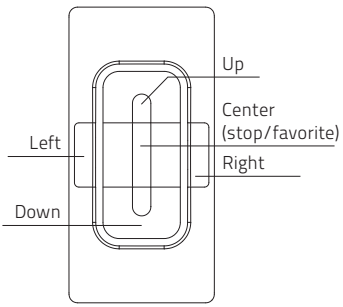


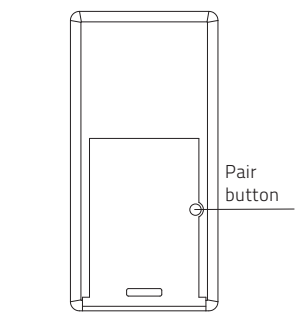




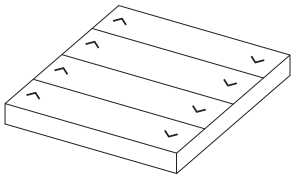
CM-15
1 Channel Wall Remote

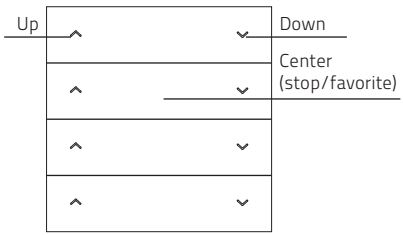


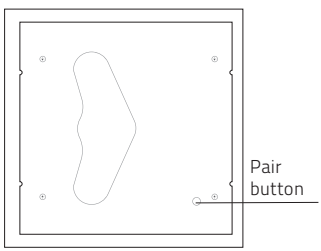




CM-16
4 Channel Wall Remote

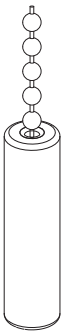






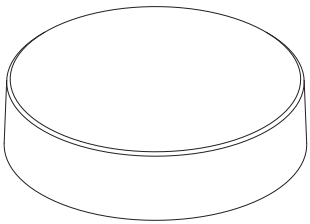
CM36DC Curtain motor.indd 10 11-01-2021 19:15

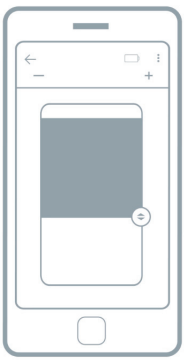
CM-18
1 Channel Tassel Remote

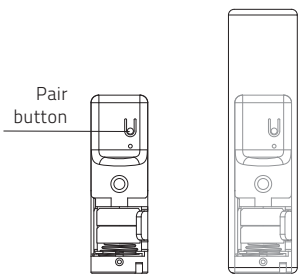




CM-20
Motion Bridge



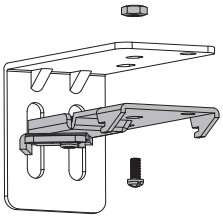


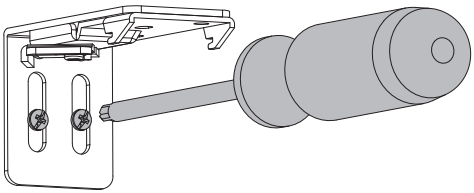


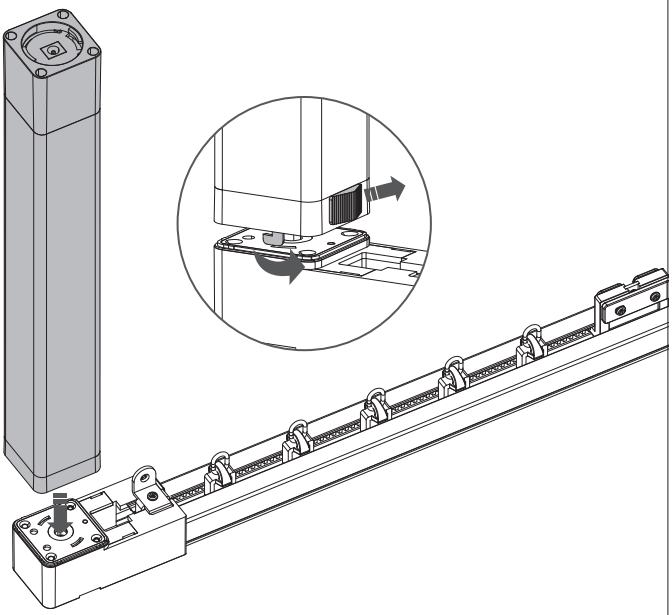


See manual CM-20

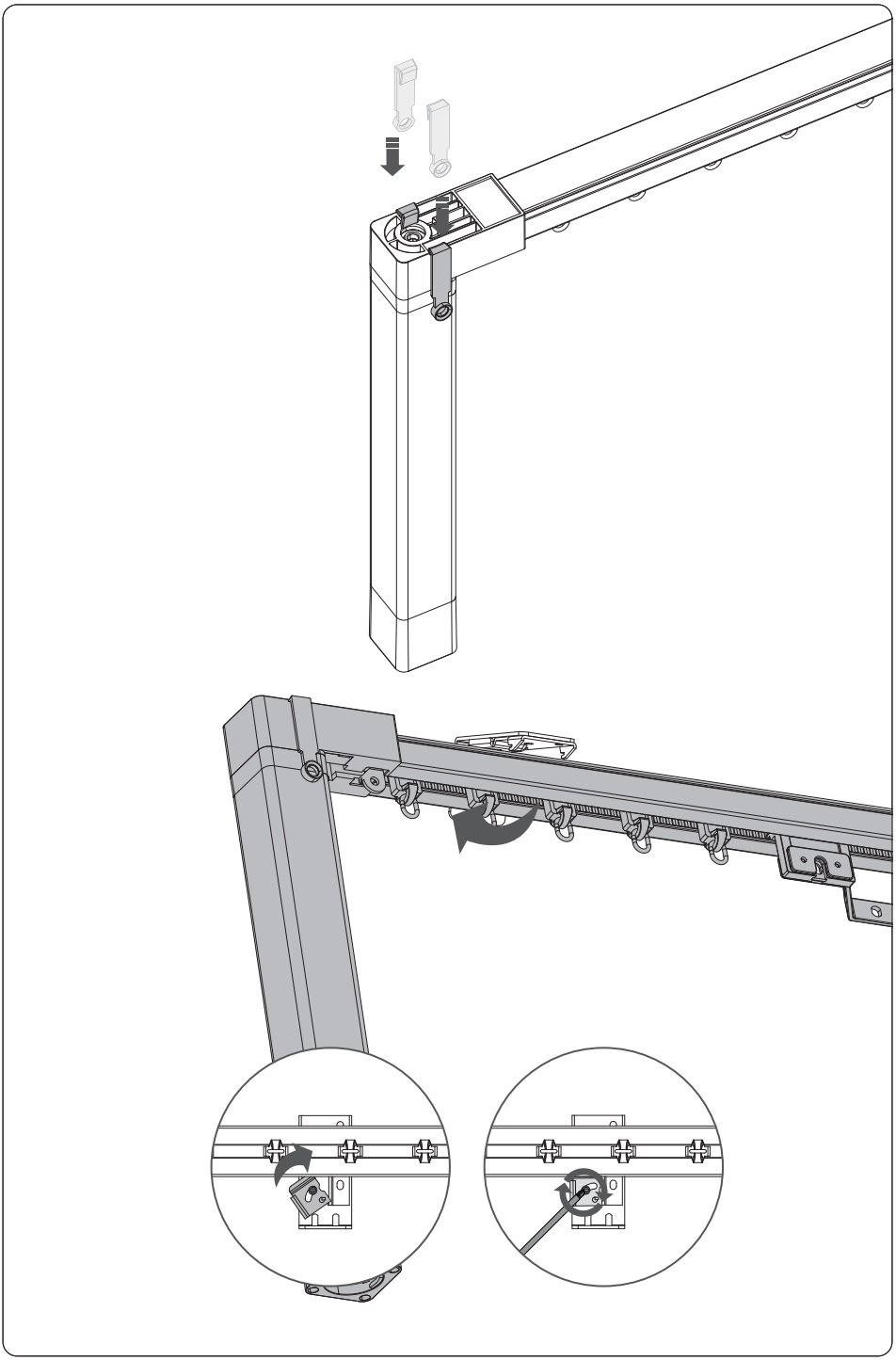
1 Install the blind



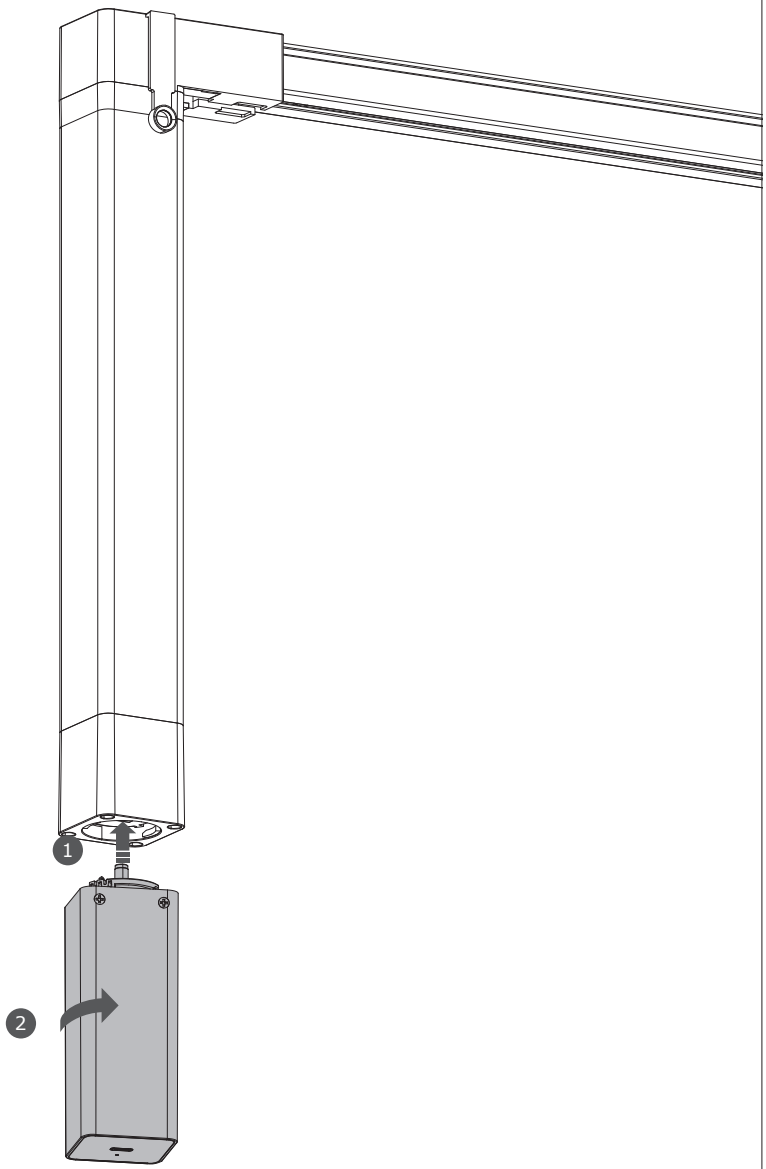




CM36DC Curtain motor.indd 12 11-01-2021 19:15

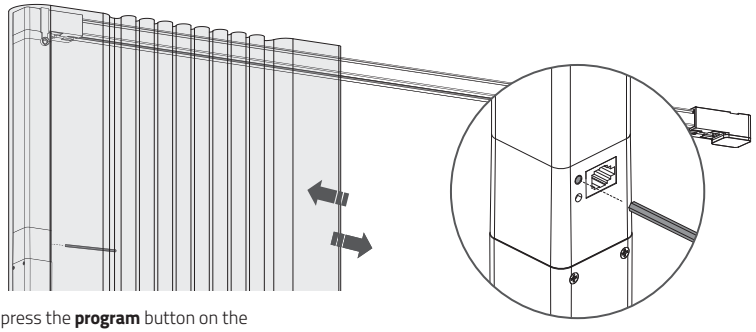


2 Insert the battery



3 Pair a remote

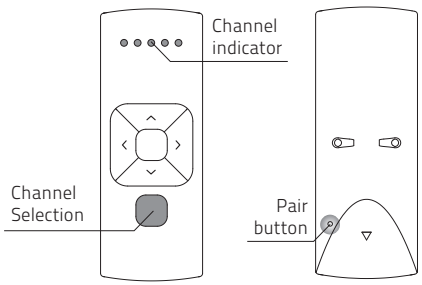
Pair a remote control that is able to program blinds. See pages 6 and 7 for remote controls details. In this manual CM-12 is displayed.



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.

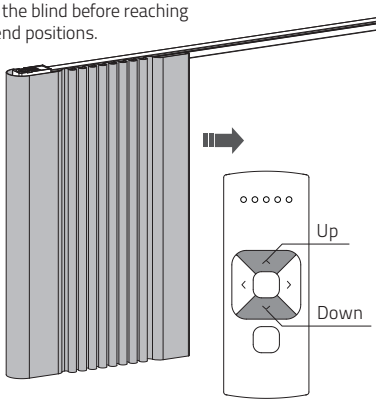


Repeat steps 3.1 - 3.3 to remove a blind from a channel.

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

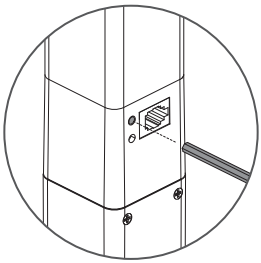
WARNING: risk of damage. Stop the blind before reaching the end positions.



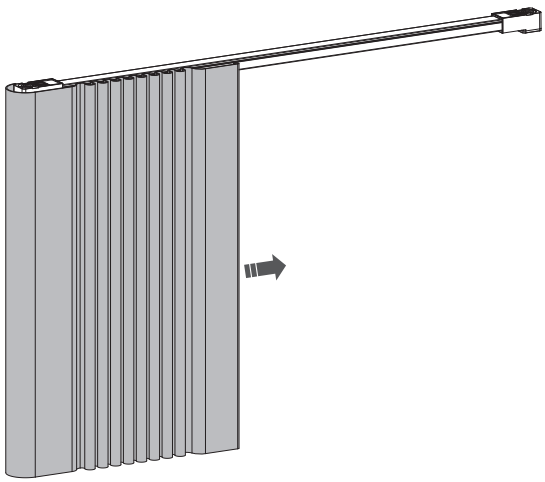
4.1 Shortly press the **down** button to check if the blind moves the right way: away from the motor. If the blind moves the other way, the rotational direction must be changed.

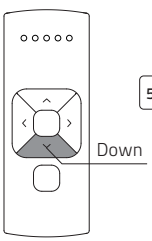
4.2 Simultaneously press the **up** and **down** button to change the direction of rotation.

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.

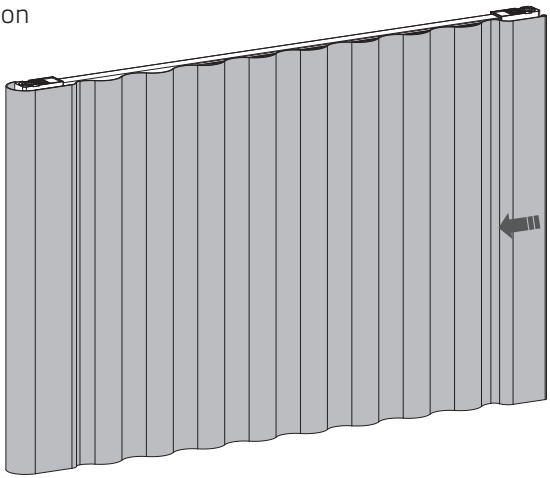


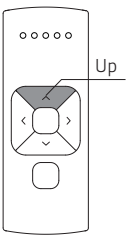


5.2 Press the **down** button down to automatically move the blind to the closed position. Once the closed position has been reached, the position is saved.

CM36DC Curtain motor.indd 16 11-01-2021 19:15

6 Set open position

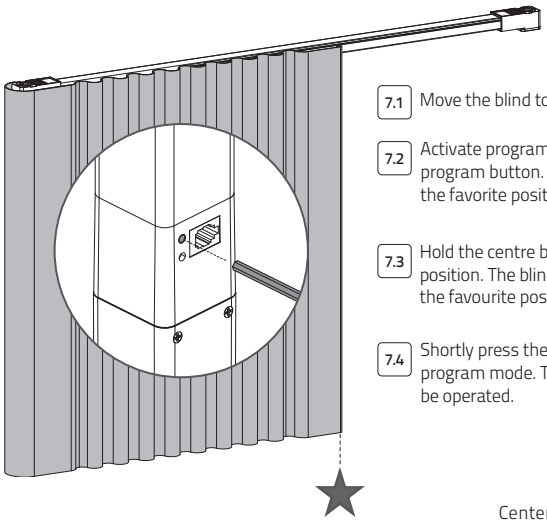




6.1 Press the button **up** to automatically move the blind to the open position. Once the open position has been reached, the position is saved.

CM36DC Curtain motor.indd 17 11-01-2021 19:15

7 Set favourite position (optional)

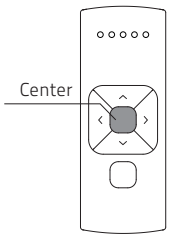


7.1 Move the blind to a desired favourite position.

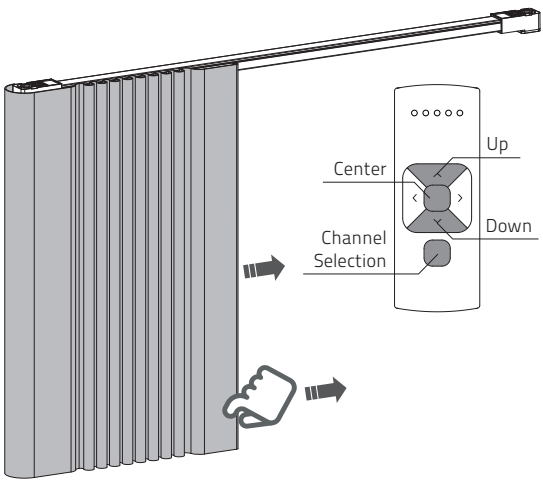
7.2 Activate program mode by shortly pressing the program button. The curtain will start stepping and the favorite position can be set.

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.



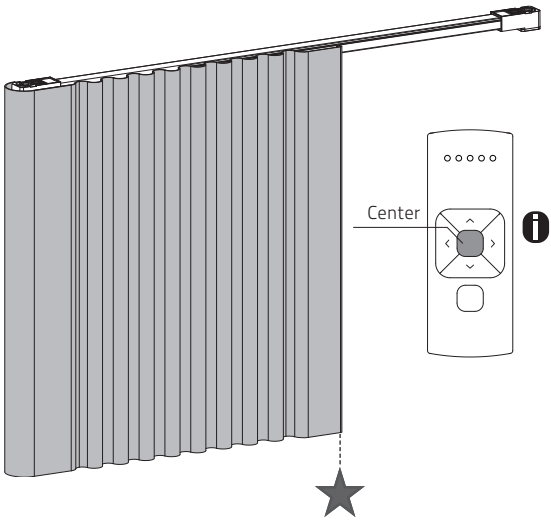
8 Operate the blind



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.

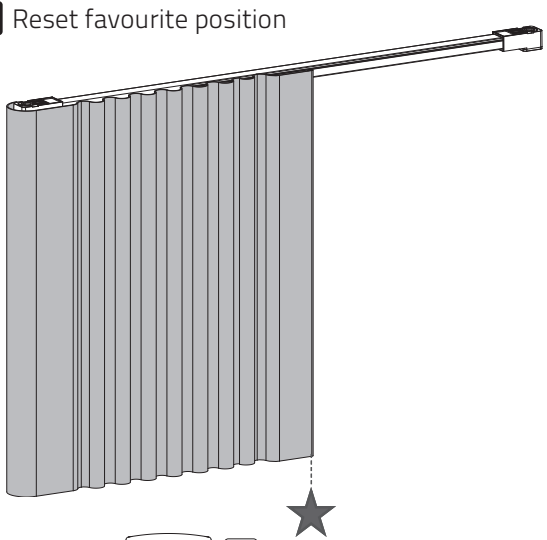
Pull control: Pull once to move the blind to the end positions.

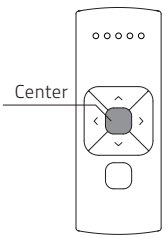
9 Move to favourite position



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.

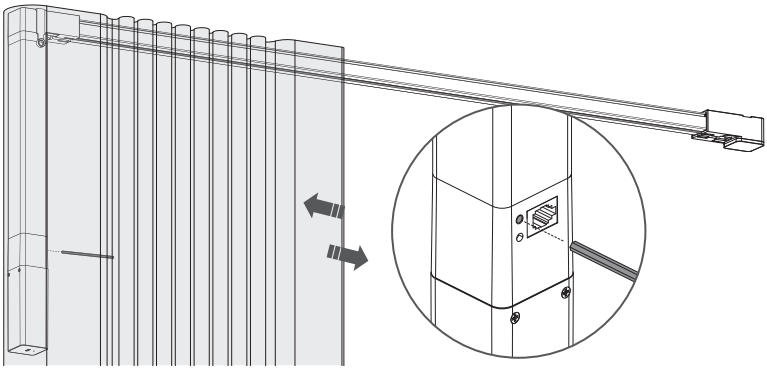
10.2 Press the **program** button on the motor to activate program mode. The blind starts stepping.

10.3 Hold the **center** button to save this favourite position. The blind shortly stops stepping indicating the favourite position has been saved succesfully.

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.

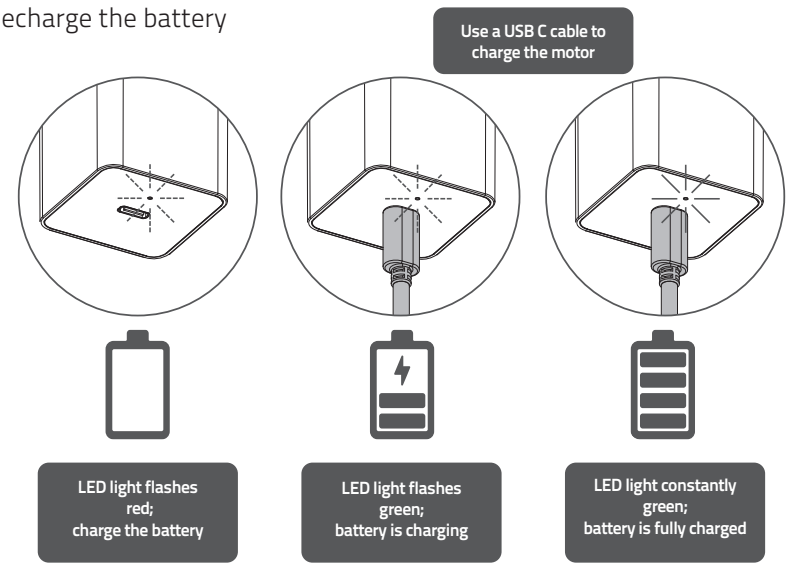


11.1 Press the program button on the motor to activate program mode.

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.

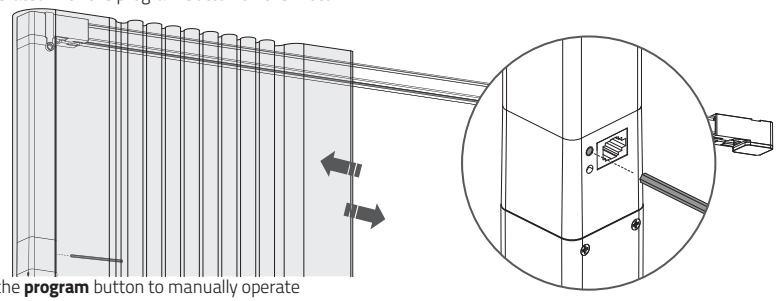
12 Recharge the battery



Advanced options

13 Manual control

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



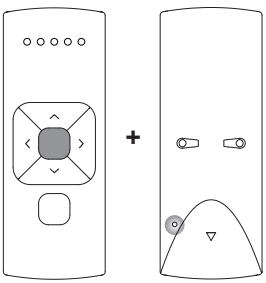
13.1 Hold the **program** button to manually operate the blind.The blind will move as long as the button is being pressed. (max. 15 sec.)

13.2 To move the blind in opposite direction, release the **program** button and repeat step 13.1.

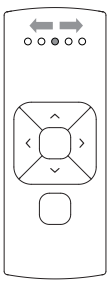
14 Single select 5 channel remote

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.

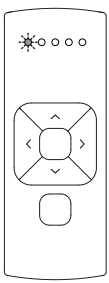
14.1 To activate Single select simultaneously hold the **center** button and press the **pair** button.



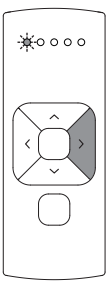
14.2 The remote starts searching for blinds (search mode). This is indicated by the LED's flashing from left to right.



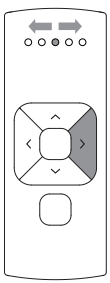
14.3 Once a blind is found the channel LED will flash and the blind starts stepping, indicating that program mode has been activated. The blind can now be (un)paired to the remote and/or programmed.



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.



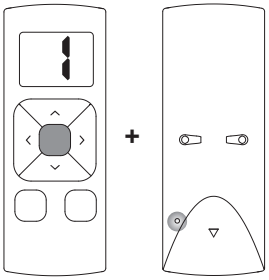
14.5 To exit Single select press the **right** button during search mode.



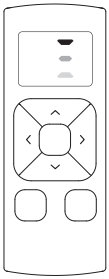
15 Single select 15 channel remote

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.

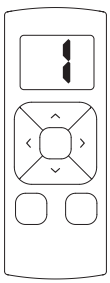
15.1 To activate Single select simultaneously hold the **center** button and press the **pair** button.



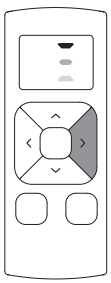
15.2 The remote starts searching for blinds (search mode). This is indicated by the horizontal bars on the remote.



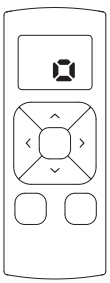
15.3 Once a blind is found the channel number will flash and the blind starts stepping, indicating that program mode has been activated. The blind can now be (un) paired to the remote and/or programmed.



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



15.5 To exit Single select press the **right** button during search mode. The display shows the letter **0**.

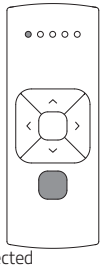


CM36DC Curtain motor.indd 22 11-01-2021 19:15

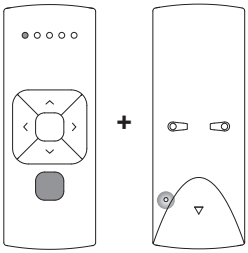
16 Channel select 5 channel remote

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

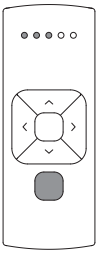
16.1 Select the channel from which the blinds must be copied.



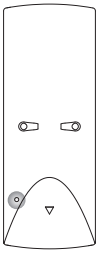
16.2 To activate channel select simultaneously hold the **channel selection** button and press the **pair** button.



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 other remote. Select a new channel on the (new) remote.



16.4 Press the pair button on the (new) remote to pair the blinds to the new channel.

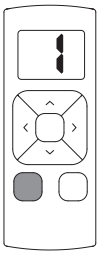


16.5 To exit channel select go back to the channel selected at step 16.1 and repeat step 16.2

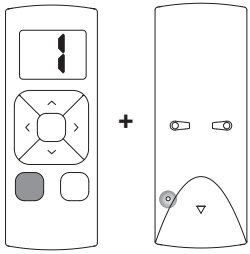
17 Channel select 15 channel remote

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

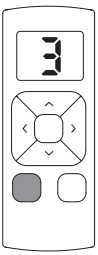
17.1 Select the channel you would like to copy.



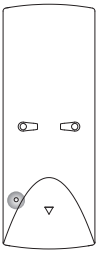
17.2 To activate channel select simultaneously hold the **channel selection** button and press the **pair** button.



17.3 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.



17.4 Press program button on the (new) remote to pair the blinds to the (new) remote.



17.5 To exit channel select choose the channel you selected at step 17.1 and repeat step 17.2

Frequently Asked Questions

Problem	Cause	Solution
Blind does not work.	Motor battery is empty.	Charge the motor. See step 12.
	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.
Motor LED flashes red	The battery of the motor is empty.	Charge the motor. See step 12.
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.

CM36DC Curtain motor.indd 24 11-01-2021 19:15

CM36DC Curtain motor.indd 25 11-01-2021 19:15

CM36DC Curtain motor.indd 26 11-01-2021 19:15

For the latest information and updated manuals visit rtube.nl/cm-36

Disclaimer:

© Copyright Coulisse

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form, by any means, electronic, mechanical, photocopying, recording, digital or otherwise without the written permission of the publisher.

Although this manual has been composed with the most care, Coulisse B.V. does not accept any responsibility for damage due to mistakes and/or faults in this manual.

Coulisse B.V. reserves the right to revise the manual and to revise and/or changes its content at any time, without obligation to notify any person or entity of such revisions or changes.

The most recent version replaces older versions of this manual. The most recent version is available at my.coulisse.com or contact your Coulisse contact person.

We invite you to send remarks and comments about this manual to Coulisse at manuals@coulisse.com.

CM36DC Curtain motor.indd 27 11-01-2021 19:15