

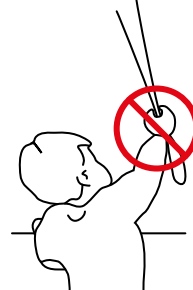
Do NOT remove band around shade until installed

Installation RC-MA20

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

⚠ WARNING

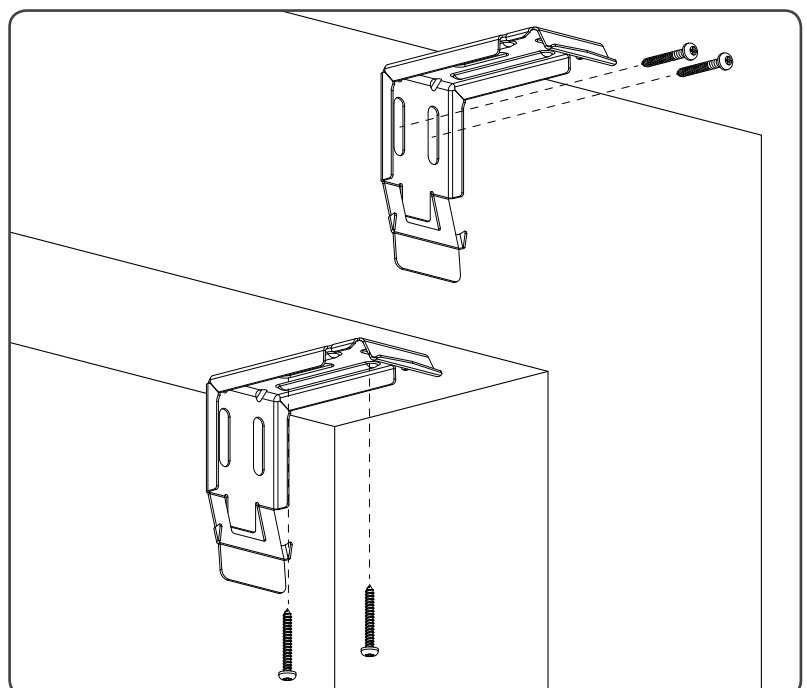
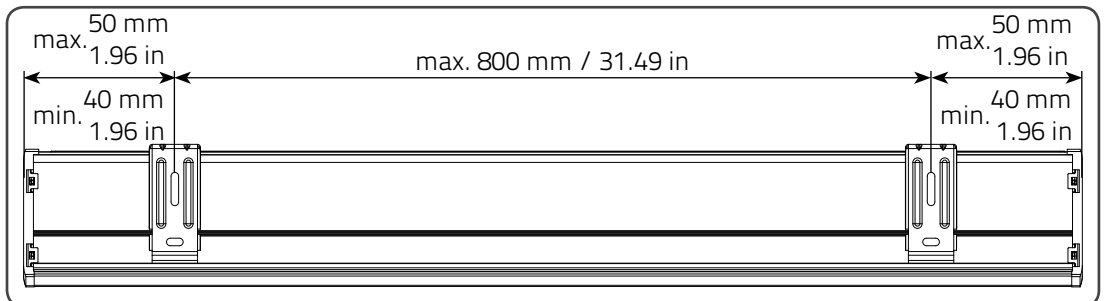
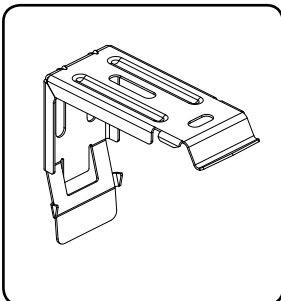
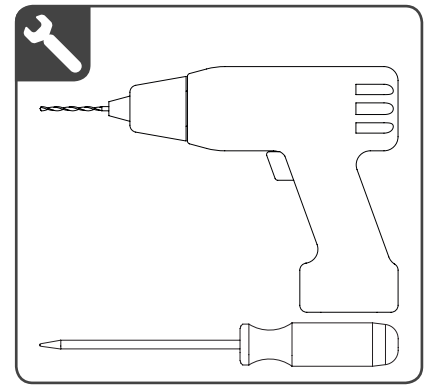
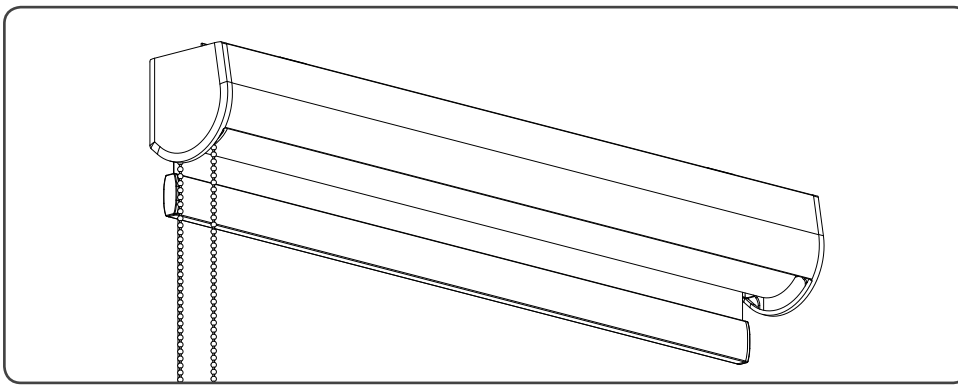
- Young children can strangle in the loop of pull cords, chains and tapes, and cords that operate window coverings.
- To avoid strangulation and entanglement, keep cords out of the reach of young children. Cords may become wrapped around a child's neck
- Move beds, cots and furniture away from window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

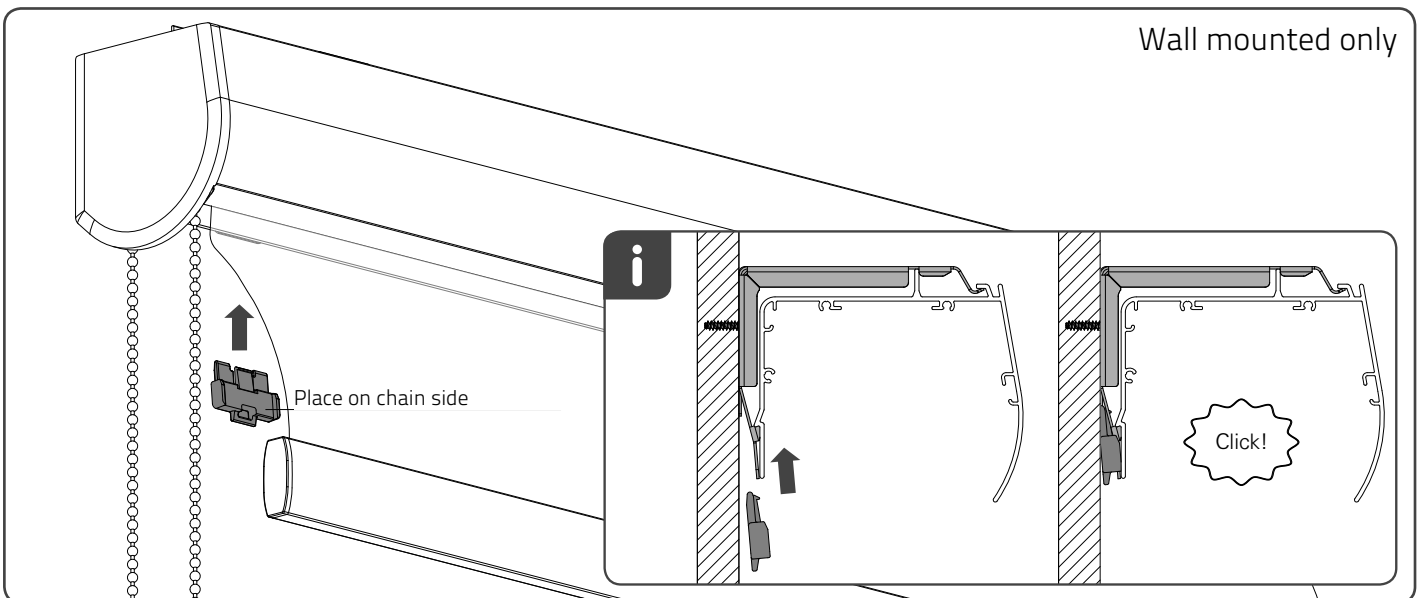
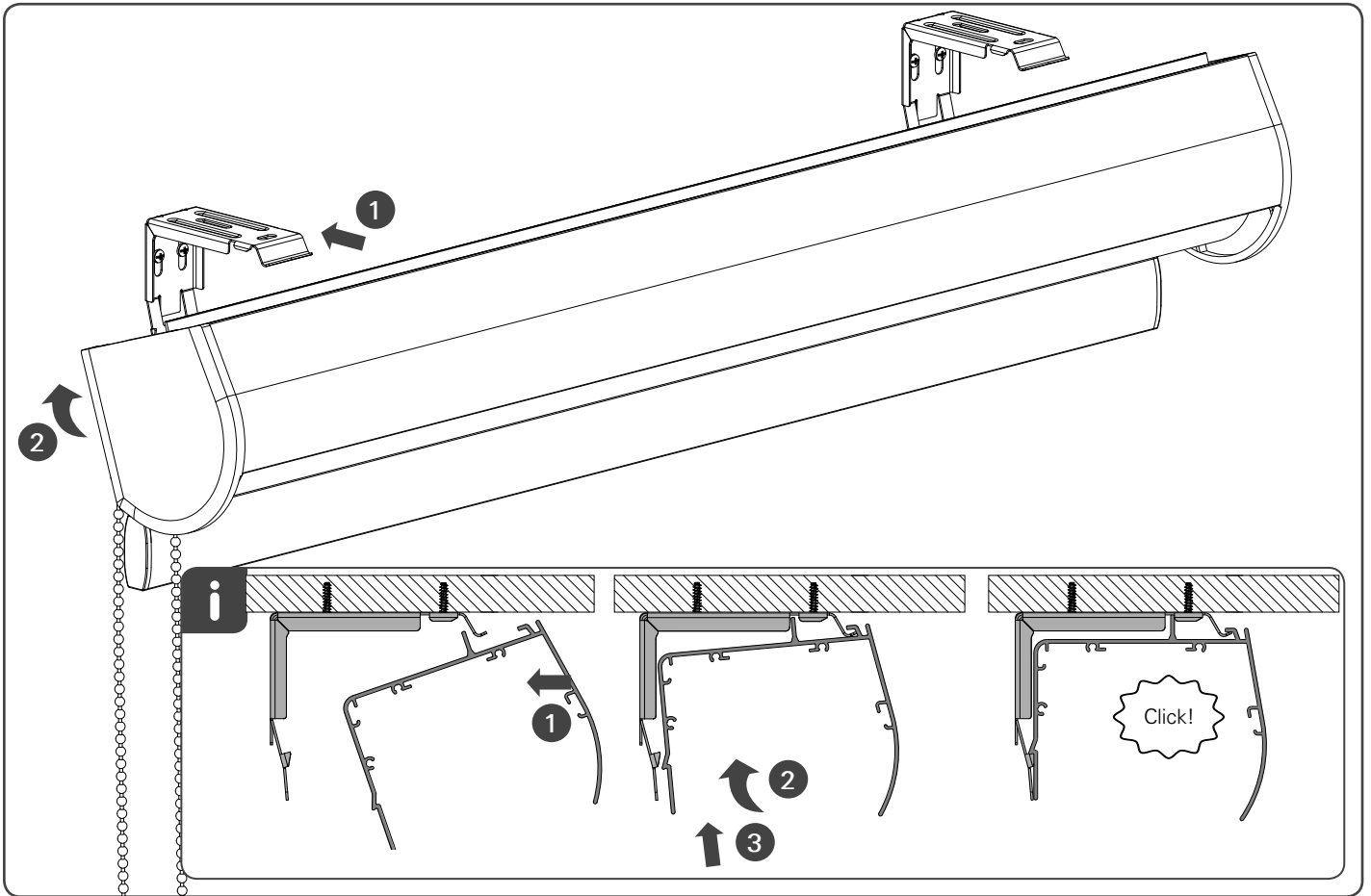


QR



rtube.nl/red235



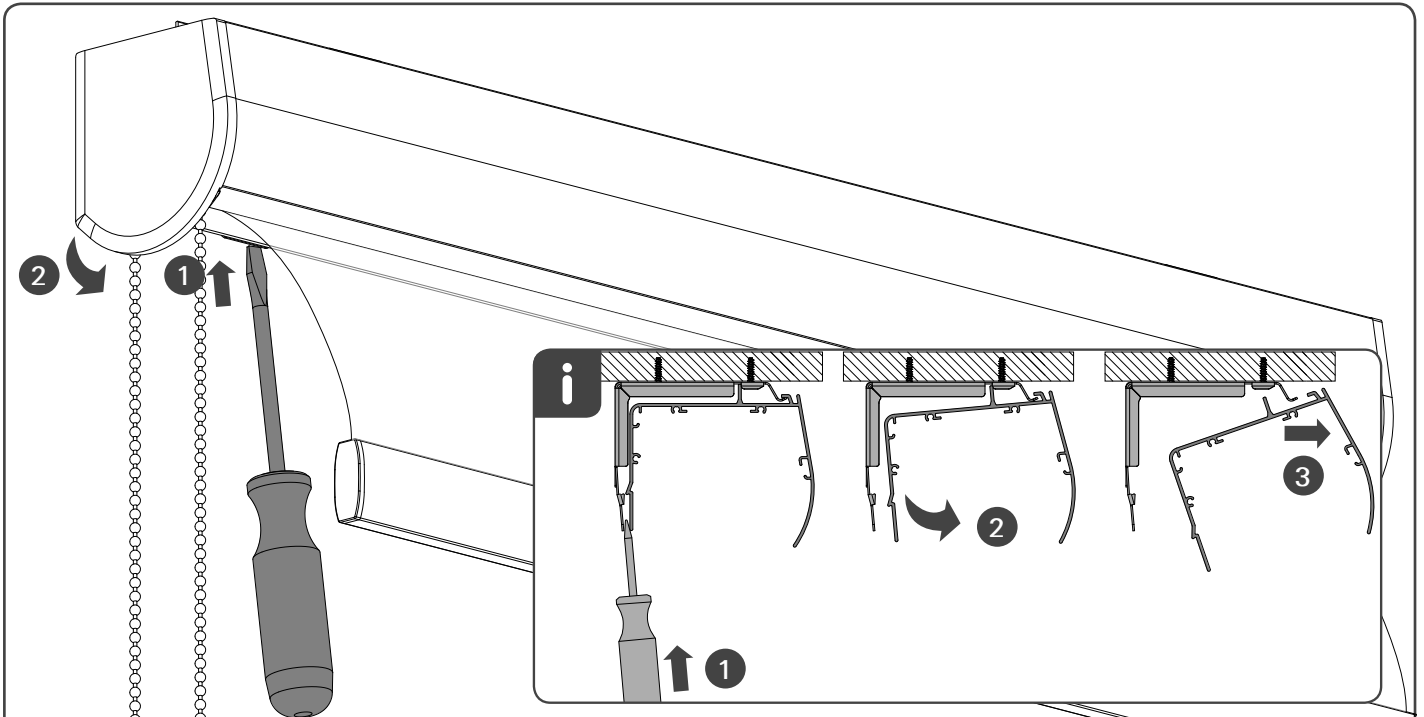


⚠ WARNING

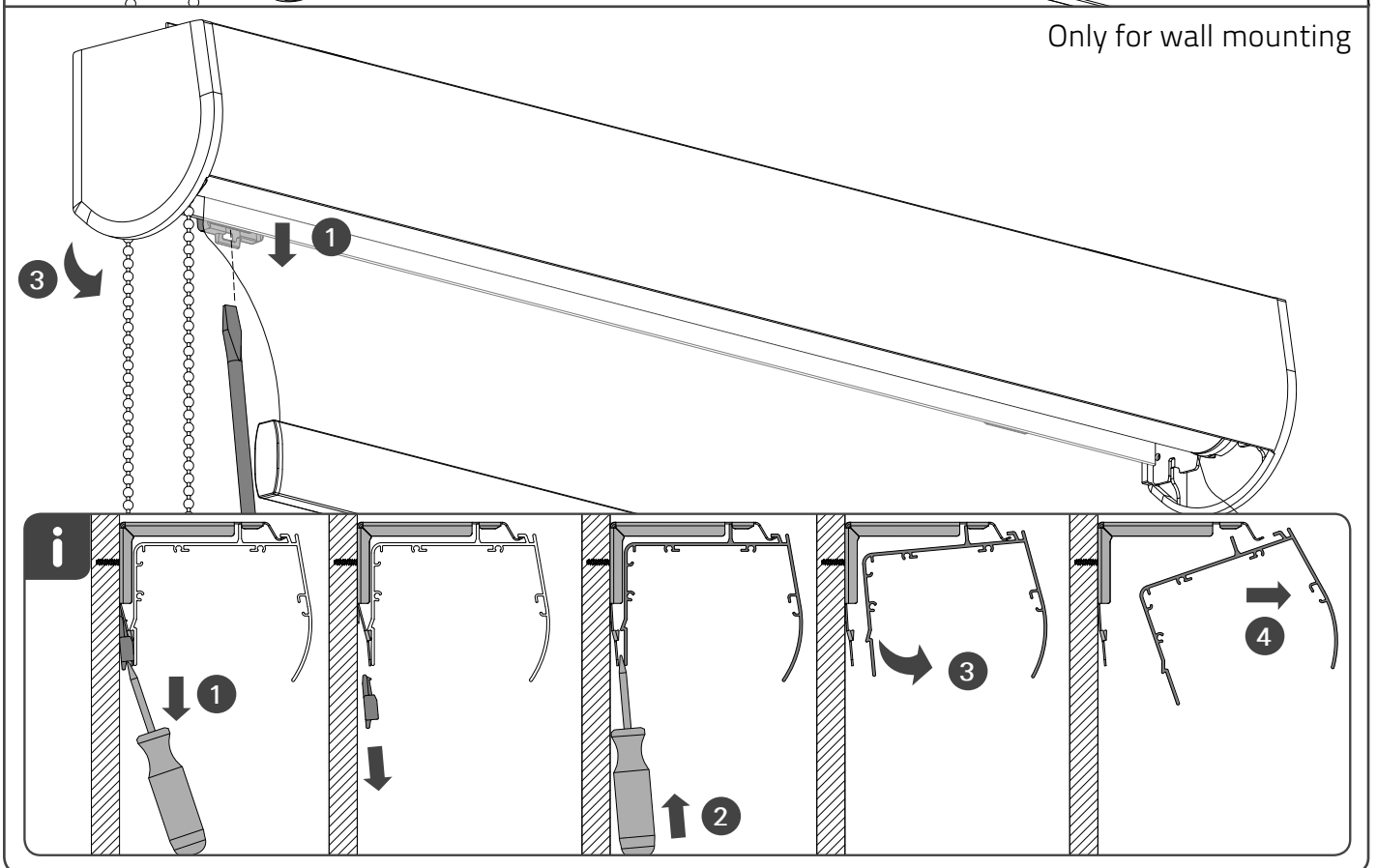
Install the child safety device as specified in the chilsafe manual.



Removal

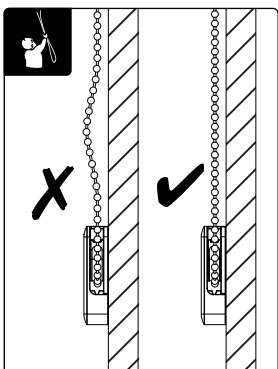
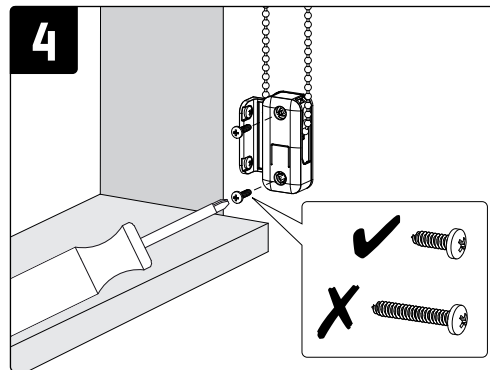
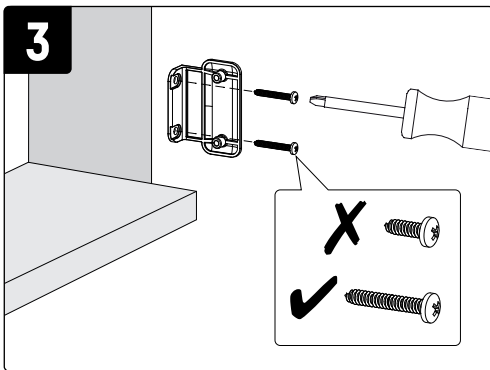
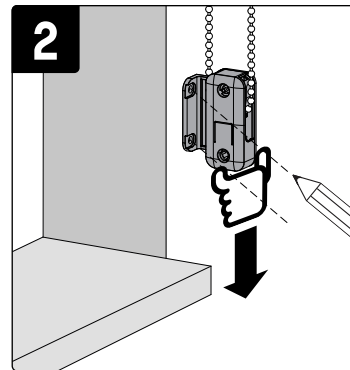
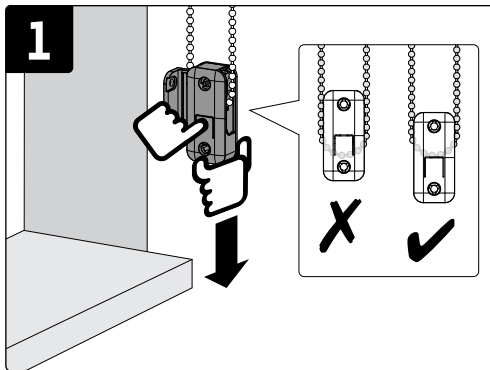
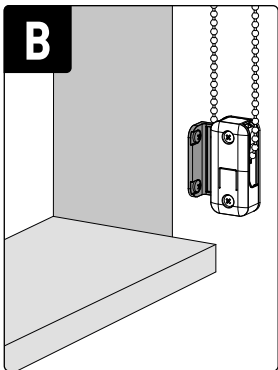
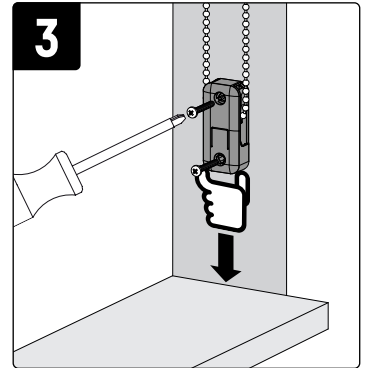
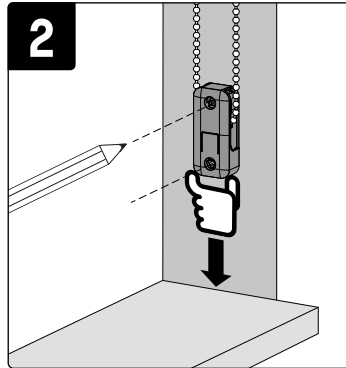
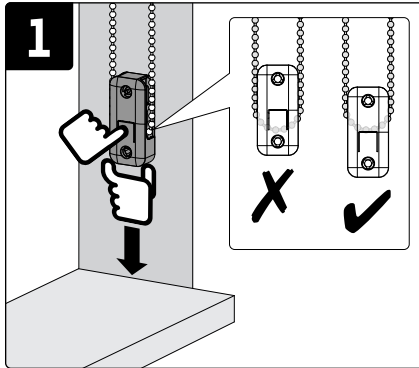
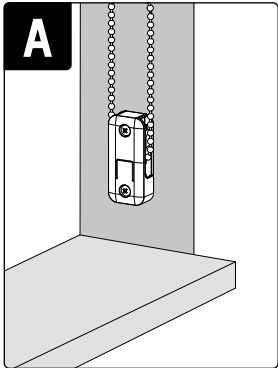
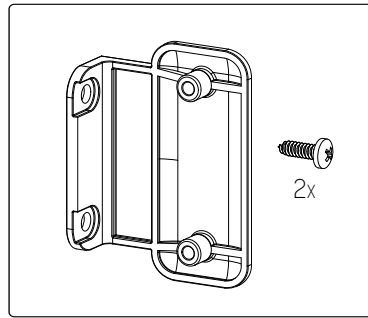
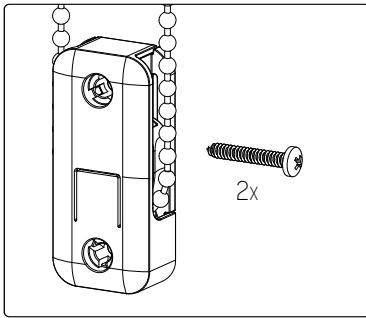


Only for wall mounting



WARNING

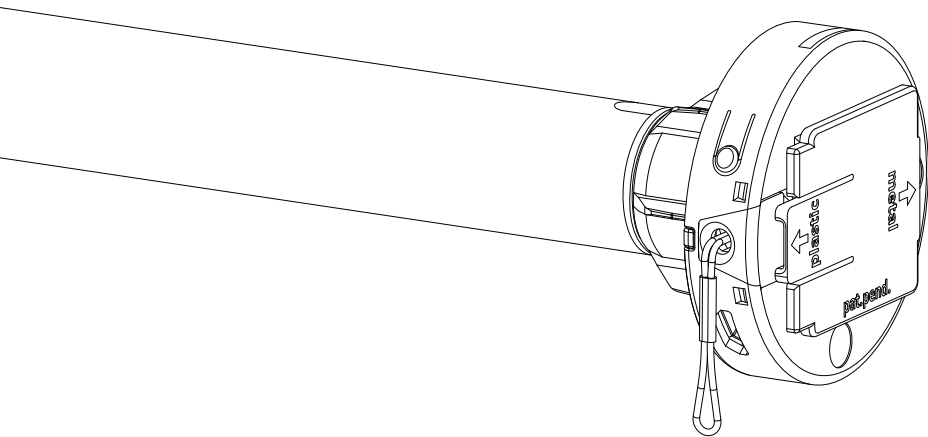
The safety device must be applied on chain loops and prevents free-hanging loops in operating chains.
Install the safety device at the maximum distance possible from the control mechanism to prevent slack in the loop.





MANUAL CM-01/02

Li-ion battery powered tube motors
with pull operation



MOTION

CM-01/02 Tube motor

Li-ion battery powered tube motors
with pull operation



Motor features



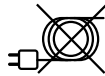
Li-ion Battery

Integrated
lithium-ion battery



USB Rechargeable

Rechargeable with
micro USB



Wireless

Cable free
installation



Happy Programming

Dummy proof
programming using
pull control



Favourite Position

Preset a favourite
position

Control options



Pull Control

Operate with
pull control

Support

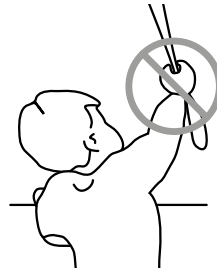


Video

How to install,
program and operate
rtube.nl/red983

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.



IP 20



Conforms to
UL Std. 325
Certified to
CSA Std. C22.2/247
5011728

Important Safety instructions

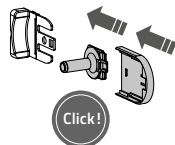
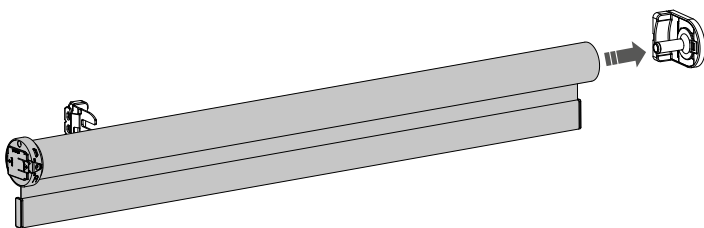
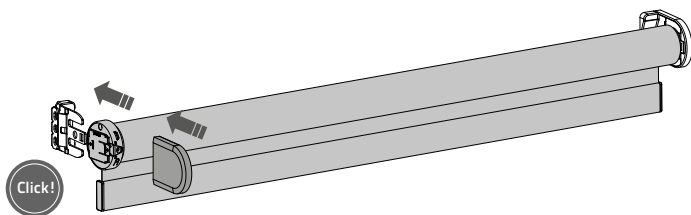
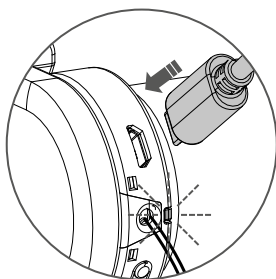
WARNING: To reduce the risk of severe injury or death, it is important to follow these instructions for personal safety. Save these instructions.

- 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 unsupervised children.
- 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 shall 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 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.
- This appliance contains batteries that are non-replaceable.

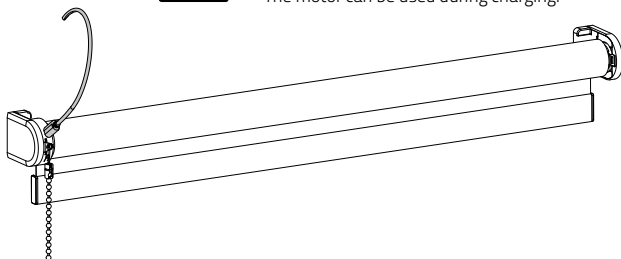
Important Installation instructions

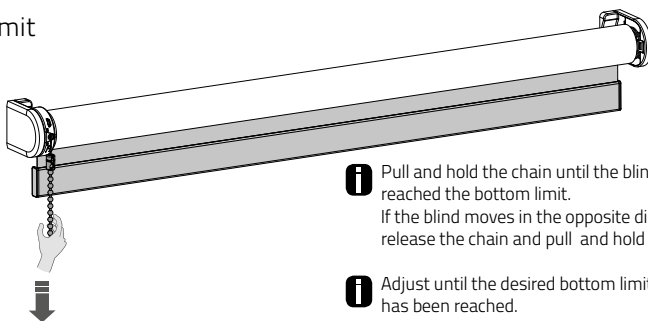
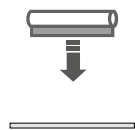
WARNING: Important safety instructions. Follow all instructions, since incorrect installation can lead to severe injury.

- This motor can only be used with soft material for driven parts.
- Hazardous unprotected moving parts of the drive must be installed higher than 2.0m 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 (0.2N.m/0.65N.m) and rated operating time (12min).
- Minimum tube diameter: Ø25mm.
- The drive is intended to be installed at a height of at least 2.0m 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.

1 Installing the blind**2****3****4****5** Charge to activate the motor

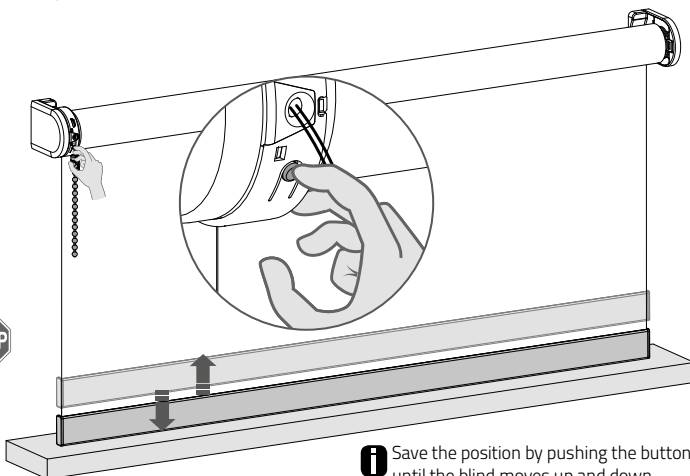
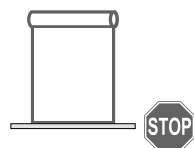
i Charge before first use. (See step 17)
A green LED will flash.
The motor can be used during charging.



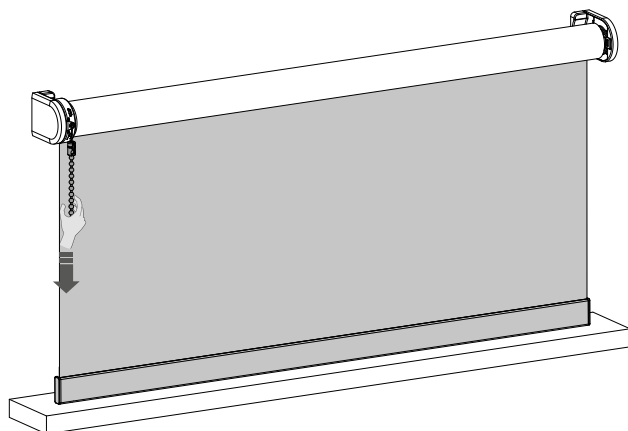
6 Set bottom limit

i Pull and hold the chain until the blind has reached the bottom limit.
If the blind moves in the opposite direction, release the chain and pull and hold again.

i Adjust until the desired bottom limit has been reached.

7

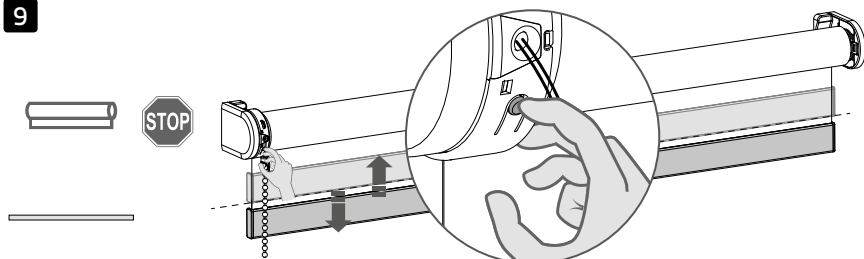
i Save the position by pushing the button until the blind moves up and down.

8 Set upper limit

i Pull and hold the chain until the blind has reached the upper limit. If the blind moves in the opposite direction, release the chain and pull and hold again.

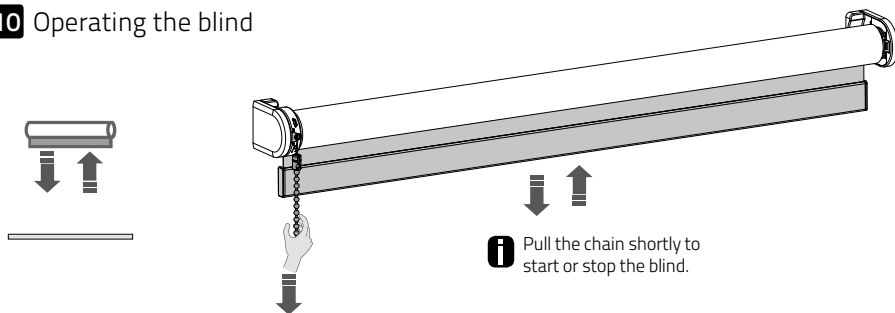
i Adjust until the desired upper limit has been reached

9



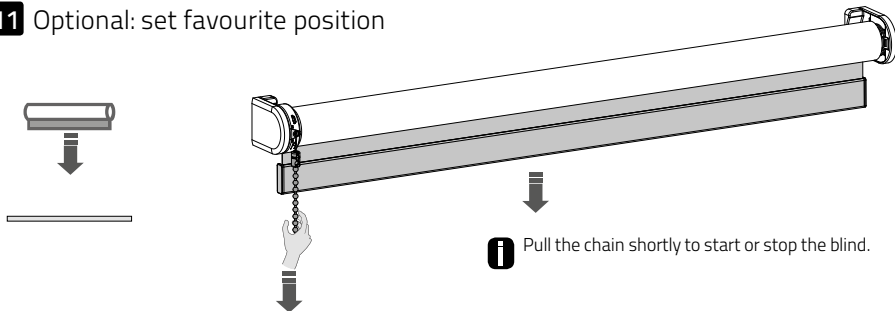
i Save the position by pushing the button until the blind moves up and down.

10 Operating the blind



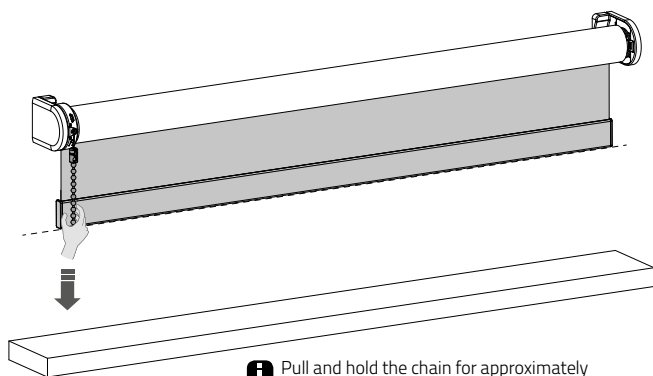
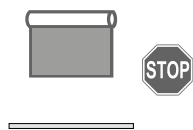
i Pull the chain shortly to start or stop the blind.

11 Optional: set favourite position



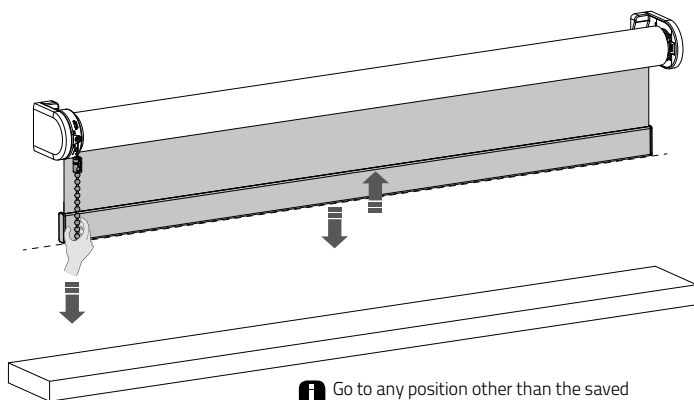
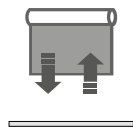
i Pull the chain shortly to start or stop the blind.

12



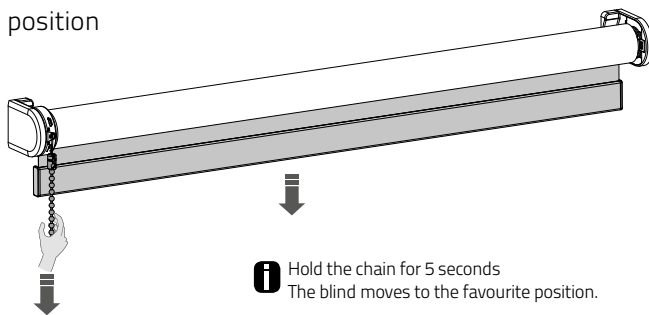
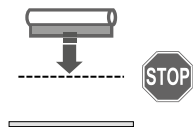
i Pull and hold the chain for approximately 7 seconds until the blind moves up and down.

13

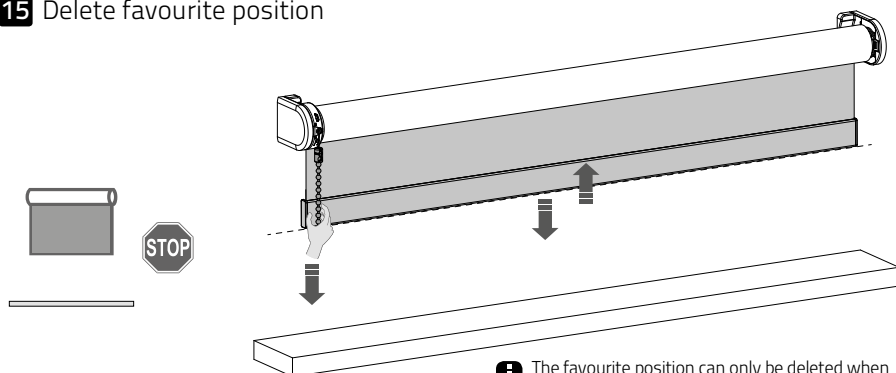


i Go to any position other than the saved favourite position.

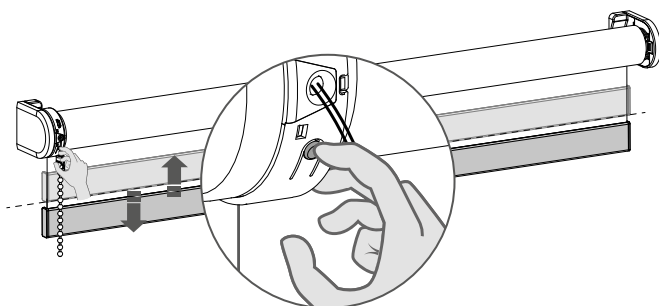
14 Move to favourite position



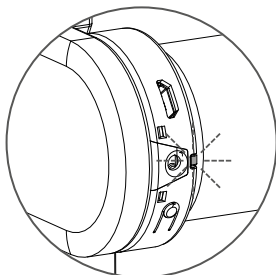
i Hold the chain for 5 seconds
The blind moves to the favourite position.

15 Delete favourite position

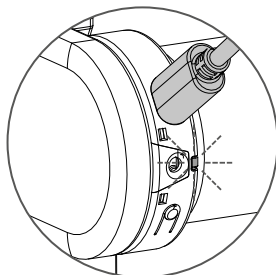
- i** The favourite position can only be deleted when the blind is placed in the favourite position.
- i** Pull and hold the chain for approximately 7 seconds until the blind moves up and down.
- i** Go to step 11 to program a new favourite position.

16 Delete end limits

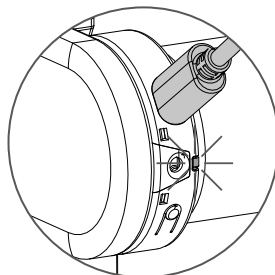
- i** Hold the button for approximately 10 seconds. After 5 seconds, the blind will move up and down. Keep pushing the button until the blind moves up and down again.
- i** Repeat steps 6 - 9 to save new end limits.

17 Recharge battery

Blinking red during
operation;
Charge the battery



Blinking green;
battery is charging



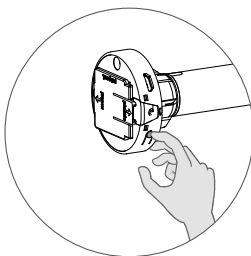
Continuously green;
battery is fully charged

18 Activate / deactivate the motor

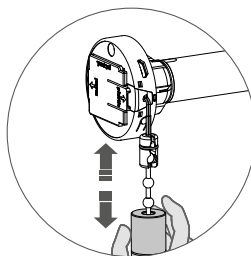
To prevent the blind from getting damaged, the motor has a transport mode that makes sure the blind will not be activated before installation.

18.1

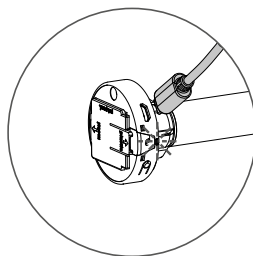
Hold the program button and pull twice to activate or deactivate the motor.
The motor can also be activated by charging it with a micro USB cable.



+



or



Frequently Asked Questions

Problem	Cause	Solution
Motor is not responding.	Motor is in transport mode.	Activate the motor. See step 18.
	Motor battery is empty.	Charge the motor. See step 17.
Motor LED flashes red.	The battery of the motor is empty.	Charge the motor. See step 17.
Motor is not charging.	Charger is not plugged in or does not work.	Try a different charger or make sure the charger is plugged into the outlet.
Blind lowers too far.	End limits are programmed incorrectly.	Reprogram end limits. See step 6 - 9.
Unable to program end limits.	End limits have already been programmed.	Reset the motor and reprogram end limits. See step 16 and step 6-9.

For the latest information and updated manuals, visit rtube.nl/cm-01

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Coulisse B.V. reserves the right to revise the manual and to revise and/or change 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.

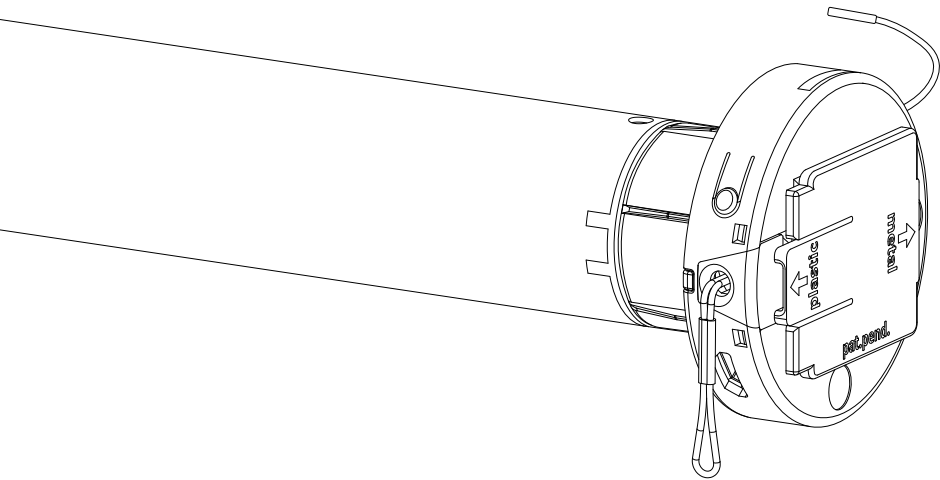
The most recent version is available at my.coulisse.com or by contacting your Coulisse contact person.

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



MANUAL CM-03/05

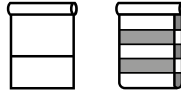
Li-ion battery powered tube motors
with pull and remote operation



MOTION

CM-03/05

Li-ion battery powered tube motors with
pull and remote operation



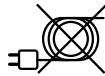
Motor features



Li-ion Battery
Integrated
lithium-ion battery



USB Rechargeable
Rechargeable with
micro USB



Wireless
Cable free
installation



Speed Control
Consistent
rolling speed



Bi-directional
Two-way
communication for
real-time response

Control options



Pull Control
Operate with
pull control



Remote Control
Operate with a
remote control



App Control
Operate with the
MOTION app



Connectivity
Compatible with
home and building
automation

Support



Video
How to install,
program and operate
rtube.nl/red980



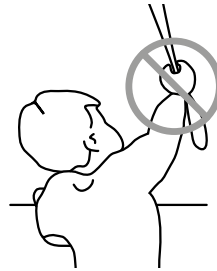
App Store
Download the
MOTION app
rtube.nl/red981



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.



IP 20



Conforms to
UL Std. 325
Certified to
CSA Std. C22.2/247
5011728

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.
- This appliance contains batteries that are non-replaceable.

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 (1.1N.m/2.2N.m) and rated operating time (12min).
- Minimum tube diameter: Ø25mm.
- 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.

FCC Manual

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, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC ID: ZY4CM03

FCC ID: ZY4CM05

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

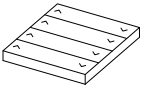
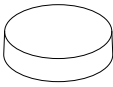
This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates,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

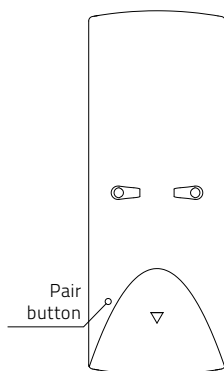
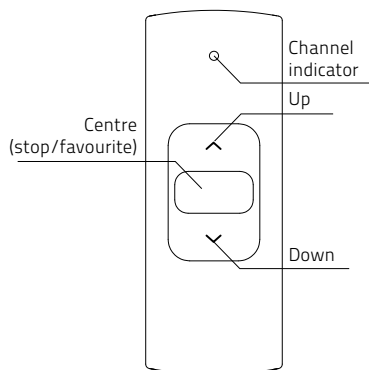
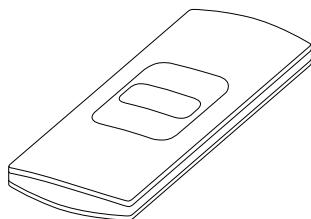
- Reorient or relocate the receiving antenna
- Increase the distance separating the equipment and receiver
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

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

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

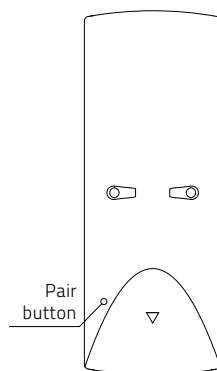
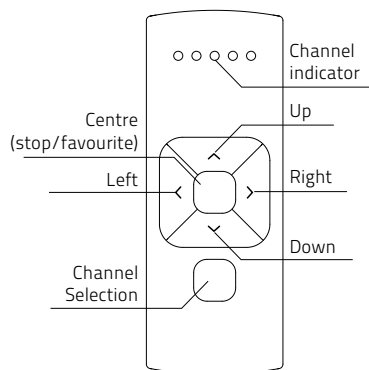
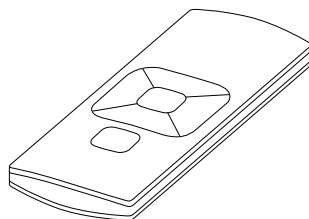
CM-11

1 Channel Remote

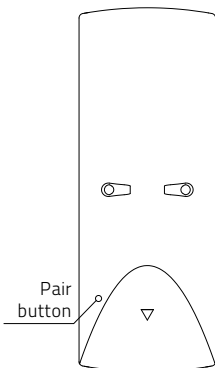
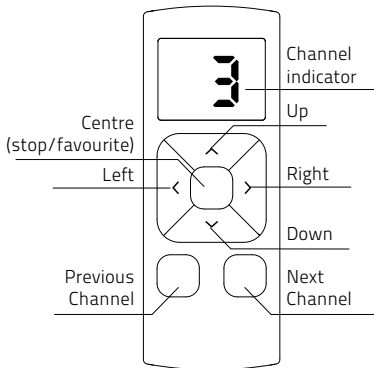
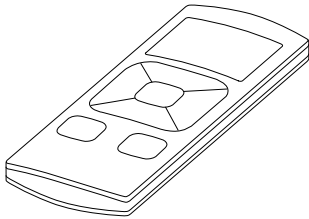


CM-12

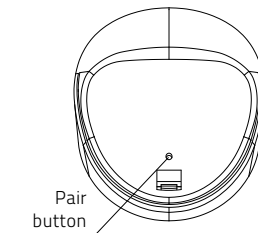
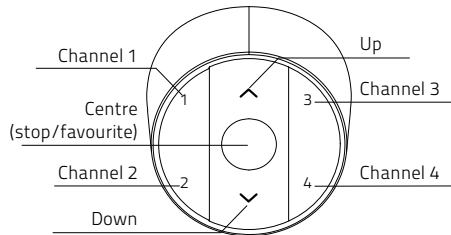
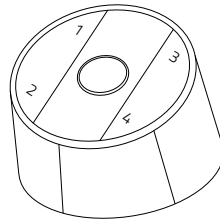
5 Channel Remote



CM-13
15 Channel Remote

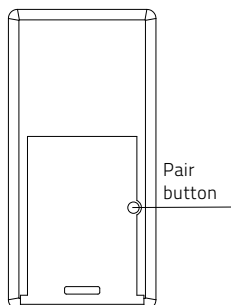
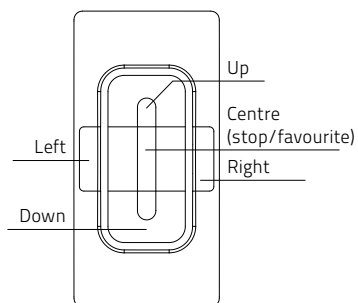
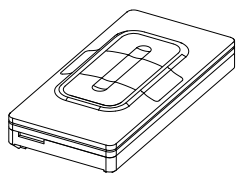


CM-17
4 Channel Table Remote



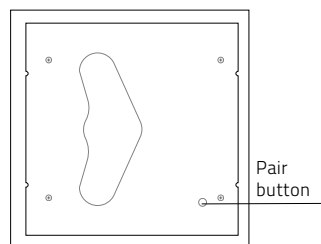
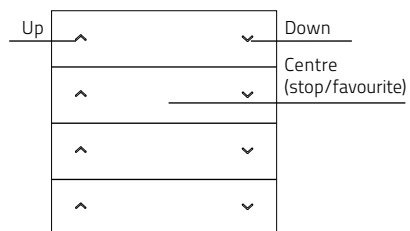
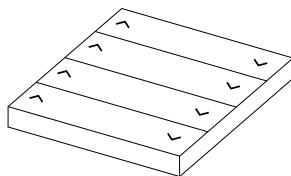
CM-15

1 Channel Wall Remote



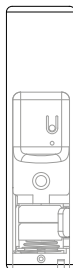
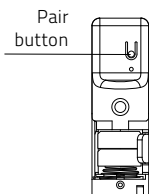
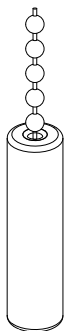
CM-16

4 Channel Wall Remote



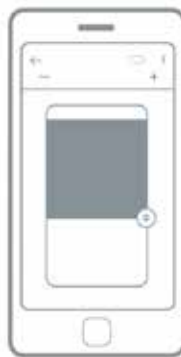
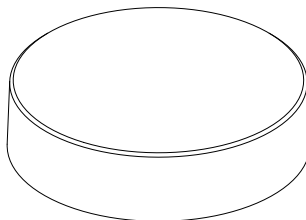
CM-18

1 Channel Tassel Remote

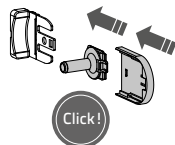
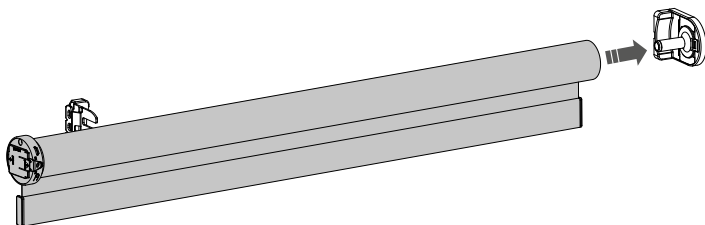
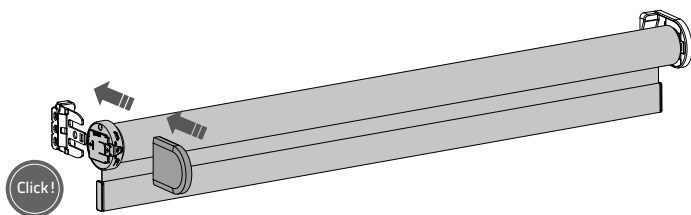
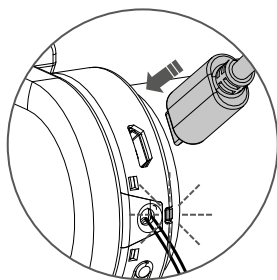


CM-20

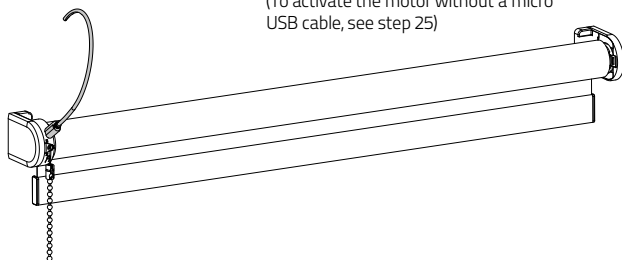
Motion Bridge



See manual CM-20

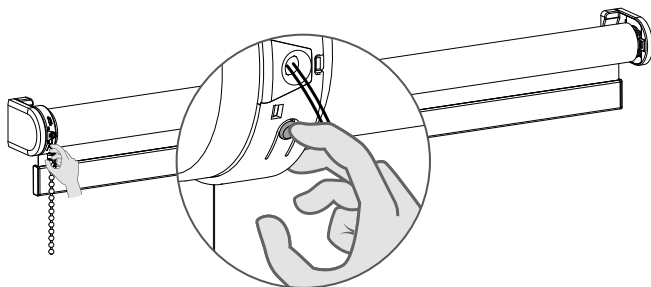
1 Install the blind**2****3****4****5** Activate the motor

Activate the motor by charging it with a micro USB cable. A green LED will start flashing. The motor can be used during charging. (To activate the motor without a micro USB cable, see step 25)

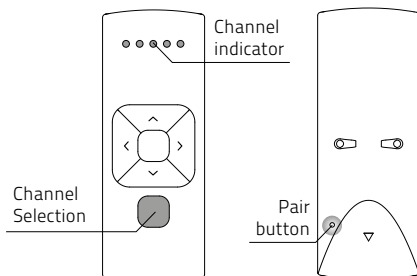


6 Pair a remote

- i** Pair a remote control that is able to program blinds. See pages 4 and 5 for remote control details. In this manual, CM-12 is displayed.



- 6.1** Shortly press the **program** button on the motor. The blind will start stepping, indicating that program mode has been activated. (The blind keeps stepping until the program mode is deactivated.)
- 6.2** Select a desired channel for the blind using the **channel selection** button on the remote control.
- 6.3** 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.



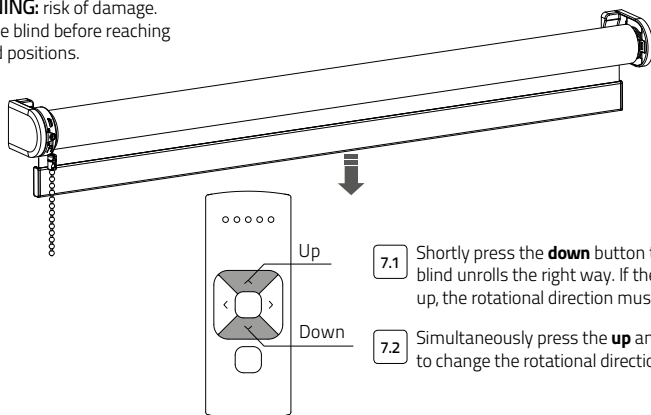
- i** Repeat steps 6.1 - 6.3 to remove a blind from a channel.

- i** End limits must be programmed to use a blind properly and to prevent it from being damaged. Proceed to step 12 if end limits are already set.

7 Check rotational direction

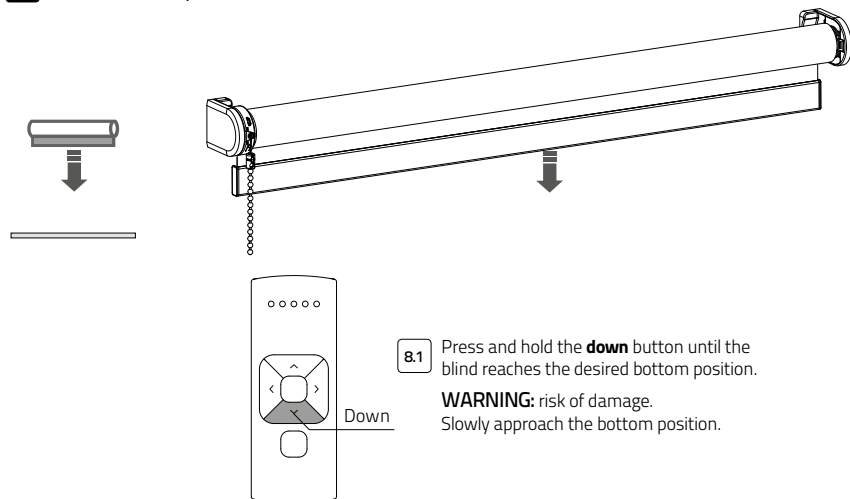


WARNING: risk of damage.
Stop the blind before reaching the end positions.

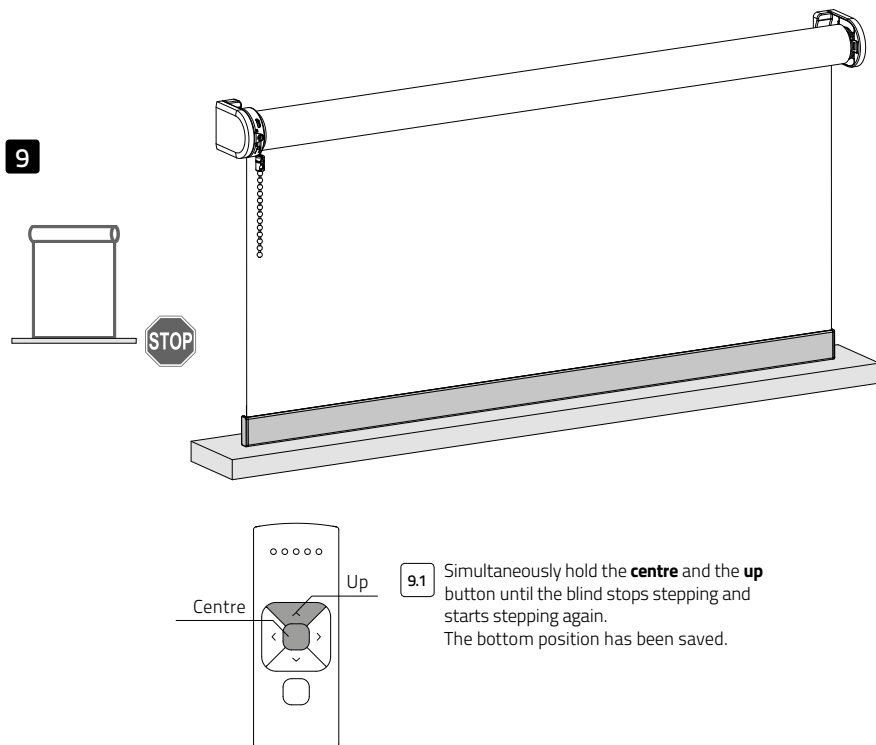


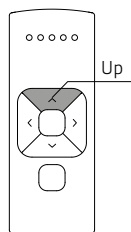
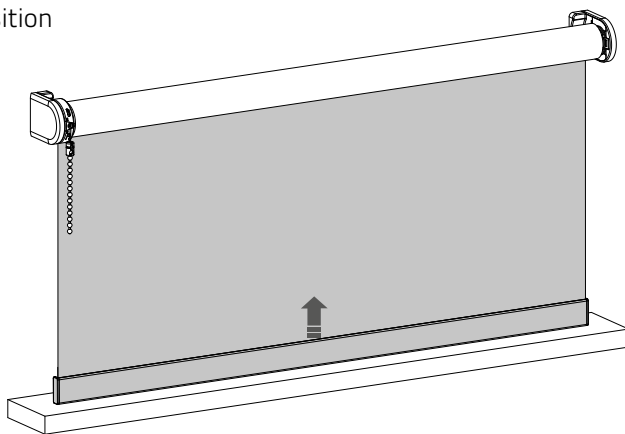
- 7.1** Shortly press the **down** button to check if the blind unrolls the right way. If the blind moves up, the rotational direction must be changed.
- 7.2** Simultaneously press the **up** and **down** button to change the rotational direction.

8 Set bottom position



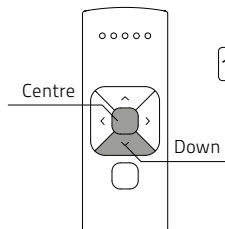
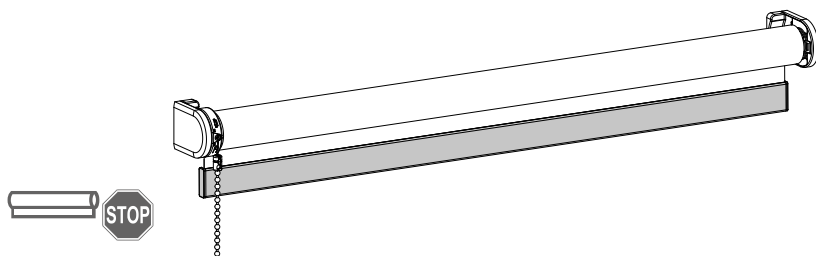
9



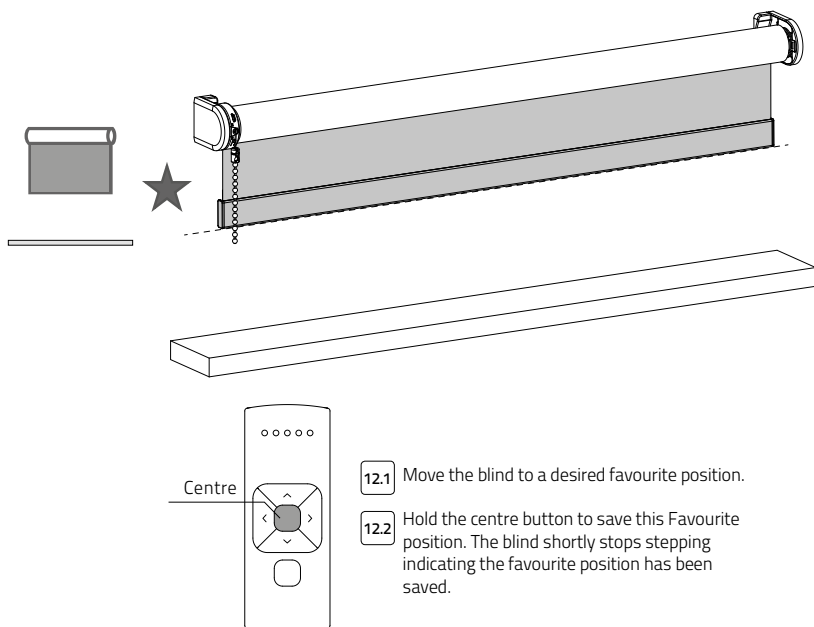
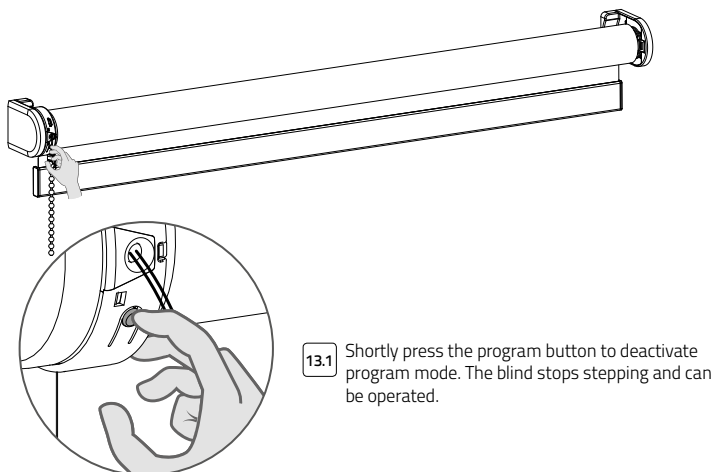
10 Set top position

- 10.1** Press and hold the **up** button until the blind reaches the desired top position.

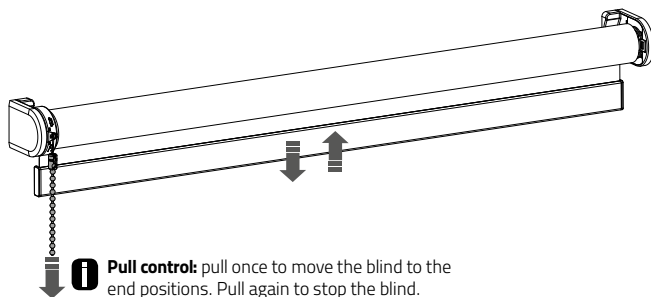
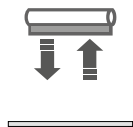
WARNING: risk of damage.
Slowly approach the top position.

11

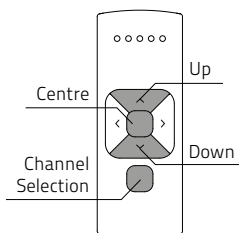
- 11.1** Simultaneously hold the **centre** and the **down** button until the blind stops stepping and starts stepping again.
The top position has been saved.

12 Set favourite position (optional)**13** Deactivate program mode

14 Operate the blind

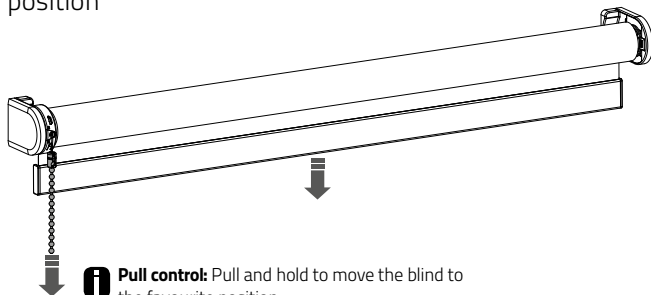
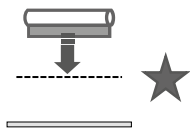


i Pull control: pull once to move the blind to the end positions. Pull again to stop the blind.

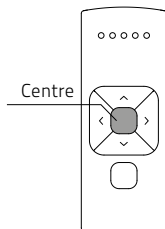


i Remote control: Choose the channel with which the blind has been paired using the **channel** button. Press the **up** or **down** button to operate the blind. Press the **centre** button to stop the blind.

15 Move to favourite position

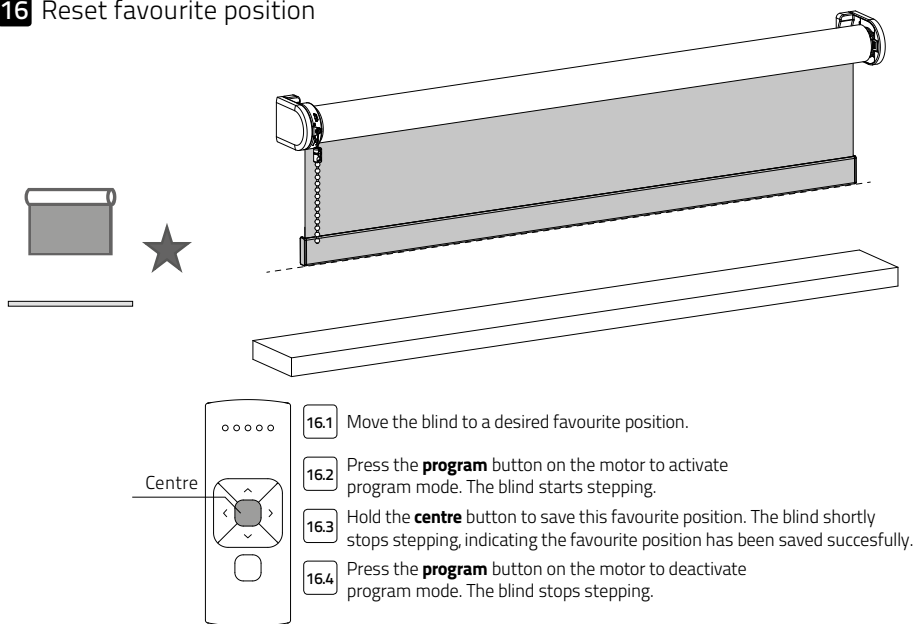


i Pull control: Pull and hold to move the blind to the favourite position.



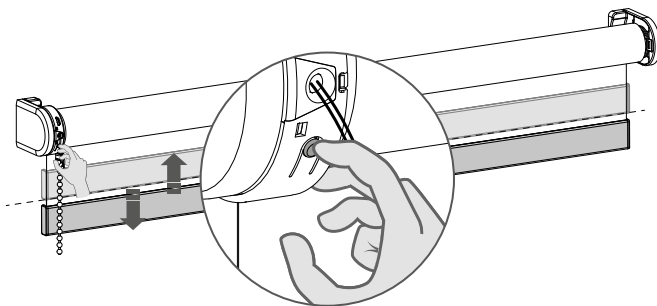
i Remote control: press the **centre** button to move the blind to the favourite position.

16 Reset favourite position



17 Deactivate direct control

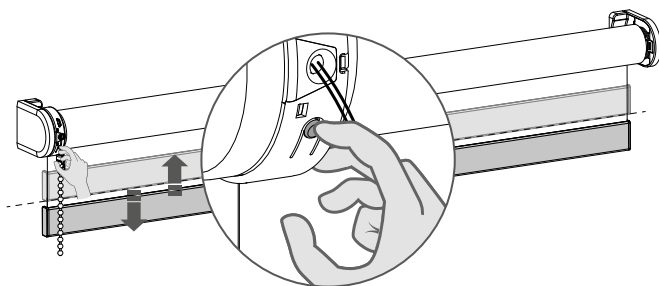
i When pressing the up or down button on the remote control, the blind directly moves to its end positions (direct control). To operate the blind with smaller steps using the up and down button, direct control can be deactivated. Now, the blind only directly moves to its end positions when the up or down button is held longer than two seconds.



- 17.1 Press the **program** button on the motor to activate program mode. The blind starts stepping.
- 17.2 Hold the **program** button until the blind stops stepping (approximately 5 seconds) to deactivate or reactivate direct control.

18 Reset the blind

- i** 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.

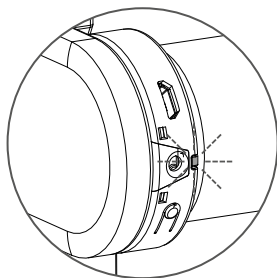


18.1 Press the program button on the motor to activate program mode.

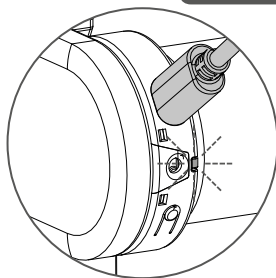
- i** **Delete end limits:** to delete the end limits of the blind, hold the **program** button until the blind stops stepping for the first time, and keep holding the button until the blind stops stepping for the second time. (approximately 10 seconds)
- i** **Factory reset:** to reset the blind to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

19 Recharge the battery

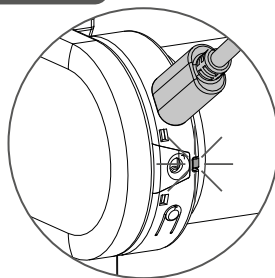
Use a micro USB cable
to charge the motor



LED light flashes
red during operation;
Charge the battery



LED light flashes
green;
battery is charging

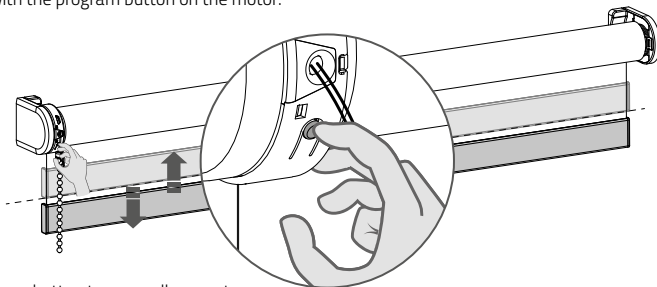


LED light constantly
green;
battery is fully charged

i Advanced options

20 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.

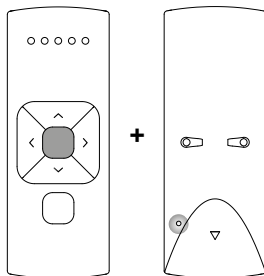


- 20.1** Hold the **program** button to manually operate the blind. The blind will move as long as the button is being pressed. (max. 15 sec.)
- 20.2** To move the blind in opposite direction, release the **program** button and repeat step 20.1.

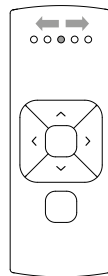
21 Single select 5 channel remote

- 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.

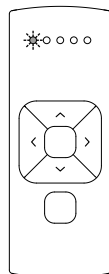
- 21.1** To activate Single select, simultaneously hold the **centre** button and press the **pair** button.



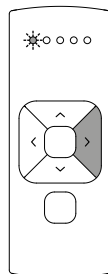
- 21.2** The remote starts searching for blinds (search mode). This is indicated by the LEDs flashing from left to right.



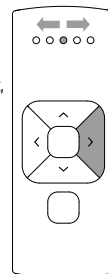
- 21.3** Once a blind is found, the channel LED will flash and the blind starts stepping, indicating that program mode has been activated. The blind can now be (un)paired to the remote and/or programmed.



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



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



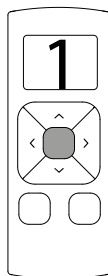
22 Single select 15 channel remote



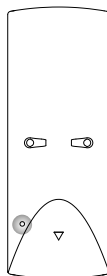
Single select makes it possible to activate program mode on a single blind through a remote control, without having to physically press the program button on the blind.

22.1

To activate Single select, simultaneously hold the **centre** button and press the **pair** button.

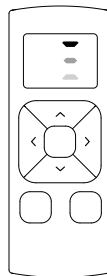


+



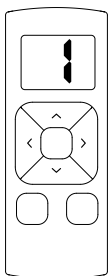
22.2

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



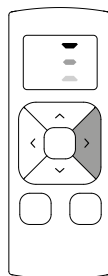
22.3

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.



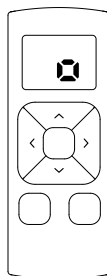
22.4

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



22.5

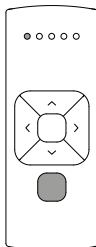
To exit Single select, press the **right** button during search mode. The display shows the letter **O**.



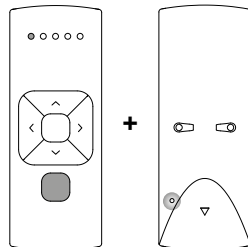
23 Channel select 5 channel remote

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

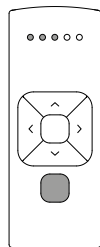
23.1 Select the channel from which the blinds must be copied.



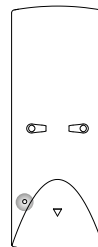
23.2 To activate channel select, simultaneously hold the **channel selection** button and press the **pair** button.



23.3 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 a different remote. Select a new channel on the (new) remote.



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

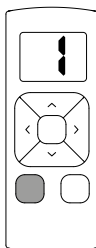


23.5 To exit channel select, go back to the channel selected at step 23.1 and repeat step 23.2

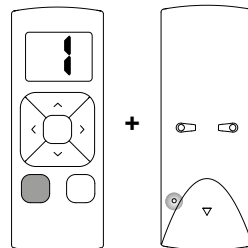
24 Channel select 15 channel remote

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

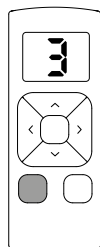
24.1 Select the channel you would like to copy.



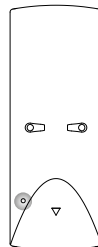
24.2 To activate channel select, simultaneously hold the **channel selection** button and press the **pair** button.



24.3 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 different remotes. Select a channel on a (new) remote.



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

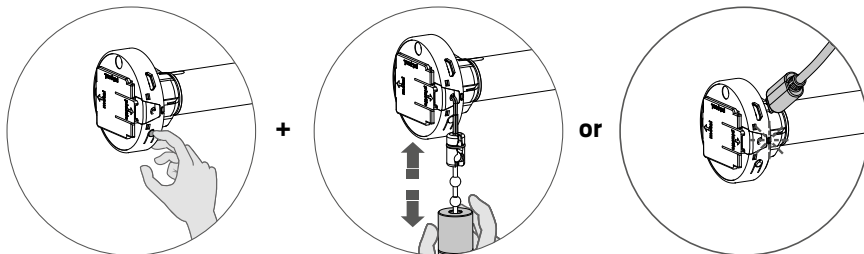


24.5 To exit channel select, choose the channel you selected at step 24.1 and repeat step 24.2

25 Activate / deactivate the motor

i To prevent the blind from getting damaged, the motor has a transport mode that makes sure the blind will not be activated before installation.

25.1 Hold the program button and pull twice to activate or deactivate the motor.
The motor can also be activated by charging it with a micro USB cable.



Frequently Asked Questions

Problem	Cause	Solution
Blind does not work.	Motor is in transport mode.	Activate the motor. See step 25.
	Motor battery is empty.	Charge the motor. See step 19.
	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 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 step 6.
Motor LED flashes red.	The battery of the motor is empty.	Charge the motor. See step 19.
Blind is not charging.	Charger is not plugged in or does not work.	Try a different charger or make sure the charger is plugged in the outlet.
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.
Blind moves in small steps.	1) No end limits are programmed. 2) Direct control is deactivated.	1) Program end limits. See step 8 - 11. 2) Activate direct control. See step 17.
Favourite position can not be programmed.	No end limits are programmed.	Program end limits. See step 8 - 11.
Blind lowers too far.	End limits are programmed incorrectly.	Reprogram end limits. See step 8 - 11.
Blind moves in the opposite direction.	The rotational direction has been set incorrectly.	Change the rotational direction. See step 7.
The blind keeps moving up and down.	The blind is in program mode.	Press the program button on the motor to exit program mode.

For the latest information and updated manuals, visit rtube.nl/cm-03

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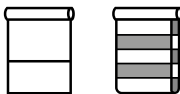
The most recent version replaces older versions of this manual.

The most recent version is available at my.coulisse.com or by contacting your Coulisse contact person.

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

CM-03/05

Motores tubulares accionados por una batería de Li-ion, con mecanismo de tracción y operación remota



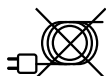
Características del motor



Batería de Li-ion
Batería de Li-Ion integrada



Recargable mediante USB
Recargable con un cable micro-USB



Sin cables
Instalación sin cables



Control de velocidad
Velocidad de enrollado constante



Bi-direccional
Comunicación en dos vías para respuesta en tiempo real

Opciones de control



Mecanismo de tracción
Operar con mecanismo de tracción



Operación remoto
Operar con mando a distancia



Control mediante App
Operar con la aplicación MOTION



Conectividad
Compatible con domótica para viviendas y edificios

Asistencia



Vídeo
Cómo instalar, programar y operar
rtube.nl/red980



App Store
Descargue la MOTION app
rtube.nl/red981



Google Play
Descargue la MOTION app
rtube.nl/red982

ADVERTENCIA

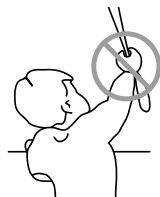
Lea detenidamente las instrucciones antes de instalar y usar el producto.

El proceso de montaje puede ser completado por personas no profesionales. Para uso en interiores.

- Se han producido estrangulaciones de niños con cordones de tiro, cadenas, cintas y cordones de accionamiento de este producto.
- Mantenga los cordones fuera del alcance de los niños para evitar que puedan

quedarse atrapados en ellos y estrangularse.

- Los cordones pueden enrollarse en el cuello de los niños.
- Separe las camas, las cunas y los muebles de los cordones de las cortinas.
- No anude los cordones.
- Asegúrese de que los cordones no se entrecrucen y formen un lazo.



Limpieza

Siga estas reglas generales al limpiar la parte exterior del dispositivo y sus componentes:

- Usar un trapo suave, sin pelusa, húmedo. Evitar que entre humedad en las aperturas.
- No usar aerosoles en spray, disolventes, alcohol, ó abrasivos.

Servicio y Soporte

No hacer ninguna reparación. No intente abrir o desamblar el dispositivo. Corre el riesgo de una descarga eléctrica e invalidar la garantía

limitada. No hay ninguna parte en el interior servible para el usuario.

Obtener Servicio de Garantía

Primero seguir los consejos de este folleto y luego ir a su distribuidor local.

Si el producto parece estar dañado ó no funciona adecuadamente, dirijase a su distribuidor local para recibir instrucciones de cómo obtener el servicio de garantía.



IP 20



Conforms to
UL Std. 325
Certified to
CSA Std. C22.2/247
5011728

Instrucciones de seguridad importantes

ADVERTENCIA: Para reducir el riesgo de lesiones graves o la muerte. Es importante para la seguridad de las personas que siga estas instrucciones. Conserve estas instrucciones.

- Lea y siga todas las instrucciones de instalación.
- Este dispositivo puede ser utilizado por niños mayores de 8 años y por personas con capacidades físicas, sensoriales o mentales reducidas o con falta de experiencia y conocimientos siempre que estén bajo supervisión y hayan recibido instrucciones pertinentes sobre el uso del dispositivo de manera segura y comprendan los peligros que conlleva. Los niños no deben jugar con el dispositivo. Los niños no deben realizar tareas de limpieza y mantenimiento sin supervisión.
- No permita que los niños jueguen con los mandos fijos. Mantenga los mandos remotos fuera del alcance de los niños.
- Examine la instalación periódicamente para detectar desajustes y signos de desgaste o daños en cables y muelles. No la utilice si necesita ser ajustada o reparada.
- Este manual de instrucciones también está disponible en la página web.
- La unidad de accionamiento debe desconectarse de su fuente de energía durante la limpieza, el mantenimiento o al reemplazar piezas.
- El nivel de presión acústica de emisión ponderado A de la unidad de accionamiento es igual o inferior a 70dB(A).
- Solo para uso doméstico y en interiores.
- Examine la instalación periódicamente para detectar desajustes y signos de desgaste o daños en cables y muelles. No la utilice si necesita ser ajustada o reparada.
- Desconecte la unidad de accionamiento del suministro eléctrico o apague los controles

automáticos cuando se realicen tareas de mantenimiento en las inmediaciones, tales como la limpieza de cristales.

- Cuando se use en el modo de hombre muerto, asegúrese de que otras personas estén lejos.
- No utilice la instalación cuando se realicen tareas de mantenimiento en las inmediaciones, tales como la limpieza de cristales.
- El motor tubular solo debe alimentarse con una tensión baja de protección, según la indicación en el dispositivo.
- Este dispositivo contiene baterías no reemplazables.

Instrucciones de instalación importantes

ADVERTENCIA: Instrucciones de seguridad importantes. Siga todas las instrucciones, ya que una instalación incorrecta puede provocar lesiones graves.

- Este motor solo puede utilizarse con material suave para las partes accionadas.
- Las piezas móviles, peligrosas y desprotegidas de la unidad de accionamiento deben instalarse a una altura superior a 2,5 m del suelo o en otro nivel que permita acceder a ellas.
- Instale el mecanismo de accionamiento para el desbloqueo manual a una altura inferior a 1,8 m.
- El mecanismo de accionamiento de un dispositivo de hombre muerto debe situarse a escasa distancia de la parte accionada pero alejado de las piezas móviles. Debe instalarse a una altura mínima de 1,5 m y no ser accesible al público.
- La masa y la dimensión de la parte accionada deben ser compatibles con el par de giro nominal y el tiempo de funcionamiento nominal.
- Los mandos fijos deben ser claramente visibles después de su instalación.

- La parte accionada debe ser compatible con el par de giro nominal (1.1N.m/2.2N.m) y el tiempo de funcionamiento nominal (12min).
- Diámetro mínimo del tubo: Ø25mm.
- La unidad de accionamiento debe instalarse a una altura de, al menos, 2,5 m del suelo o a otro nivel de acceso.
- La desconexión para todos los polos debe ser incorporada en el cableado fijo, de conformidad con las normas de cableado.

Manual de la FCC

Este dispositivo cumple con el apartado 15 de las Normas de la FCC.

El funcionamiento está sujeto a las dos condiciones siguientes:

- (1) este dispositivo no puede causar interferencia dañina, y
- (2) este dispositivo debe aceptar cualquier interferencia que reciba, incluida aquella que pueda causar un funcionamiento no deseado del dispositivo.

Registro de FCC: ZY4CM03

FCC ID: ZY4CM05

Información reglamentaria

1 Información de la FCC para el usuario

Este producto no contiene ninguna pieza que el usuario pueda reparar o reemplazar, y solo debe utilizarse con antenas aprobadas. Cualquier cambio o modificación al producto invalidará todas las certificaciones y aprobaciones reglamentarias aplicables.

2 Avisos de emisión electrónica de la FCC

Este dispositivo cumple con el apartado 15 de las Normas de la FCC.

El funcionamiento está sujeto a las dos condiciones siguientes:

1. Este dispositivo no puede causar interferencias perjudiciales.

2. Este dispositivo debe aceptar cualquier interferencia que reciba, incluida aquella que pueda causar un funcionamiento no deseado del dispositivo.

3 Declaración de interferencia de radiofrecuencia de la FCC

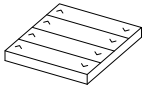
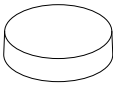
Este equipo ha sido sometido a las pruebas pertinentes y cumple con los límites establecidos para un dispositivo digital de clase B, conforme al apartado 15 de las Normas de la FCC. Estos límites están diseñados para proporcionar una protección razonable contra interferencias perjudiciales, cuando el equipo funciona en un entorno comercial. Este equipo genera, utiliza y puede irradiar energía de radiofrecuencia y, si no se instala y utiliza conforme a las instrucciones, puede causar interferencias perjudiciales en las comunicaciones de radio.

El funcionamiento de este equipo en un área residencial puede causar interferencias perjudiciales, en cuyo caso el usuario tendrá que corregir la interferencia a su propio coste.

Si este equipo ocasiona interferencias perjudiciales en la recepción de la televisión o radio, lo cual puede determinarse encendiendo y apagando el equipo, se recomienda al usuario que intente corregir

la interferencia, adoptando una o más de las siguientes medidas:

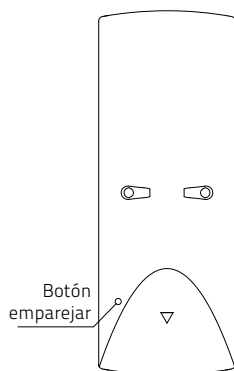
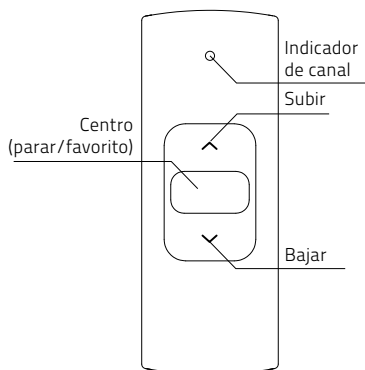
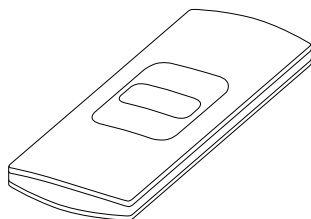
- Reorientar o reubicar la antena de recepción
- Aumentar la separación entre el equipo y el receptor
- Conectar el equipo a una salida en un circuito diferente al utilizado para la conexión del receptor
- Consultar al distribuidor o a un técnico de radio/TV experimentado para obtener ayuda

		Canales	Soporte de pared	Programar persianas	Selección individual	Selección de canal	Máx. de persianas
	CM-11 Control remoto de mano	1	■	■	-	-	ilimitado
	CM-12 Control remoto de mano	5	■	■	■ ■	■	ilimitado
	CM-13 Control remoto de mano	15	■ ■	■	■	■	ilimitado
	CM-15 Control remoto de pared	1	■	■	-	-	ilimitado
	CM-16 Control remoto de pared	4	■	-	-	-	ilimitado
	CM-17 Control remoto de mesa	4	-	■	-	-	ilimitado
	CM-18 Mecanismo tirador	1	-	-	-	-	ilimitado
	CM-20 Puente wifi MOTION	n/a	■	■	-	-	30

Máx. de escenas	Frecuencia	Alcance	Alimentación	Largo	Ancho	Alto	Certificados
n/a	433 MHz	30 m con 1 muro de hormigón	CR2430 3.0V	120 mm	45 mm	14 mm	CEFC
n/a	433 MHz	30 m con 1 muro de hormigón	CR2430 3.0V	120 mm	45 mm	14 mm	CEFC
n/a	433 MHz	30 m con 1 muro de hormigón	CR2430 3.0V	120 mm	45 mm	14 mm	CEFC
n/a	433 MHz	30 m con 1 muro de hormigón	CR2430 3.0V	66 mm	32,5 mm	13,8 mm	CEFC
n/a	433 MHz	30 m con 1 muro de hormigón	3 x CR2430 3.0V	86 mm	86 mm	17 mm	CEFC
n/a	433 MHz	30 m con 1 muro de hormigón	2 x CR2450 3.0V	70,3 mm	62,7 mm	52,3 mm	CEFC
n/a	433 MHz	20 m espacio abierto	2 x LR44 1.5V	19,5 mm ø		69,9 mm	CEFC
20	433 MHz Wi-Fi 2.4 GHz	30 m con 1 muro de hormigón	Micro-USB - 5V CC	100 mm ø		25 mm	CEFC

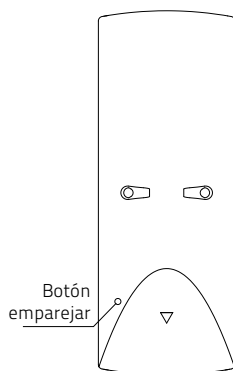
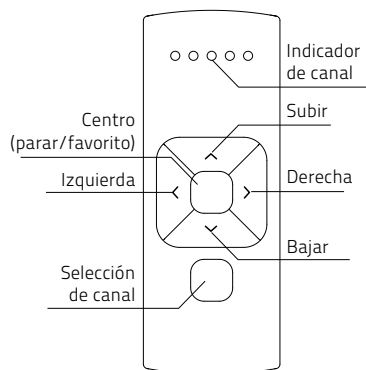
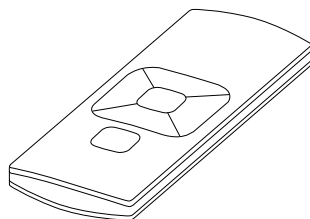
CM-11

Mando de 1 canal



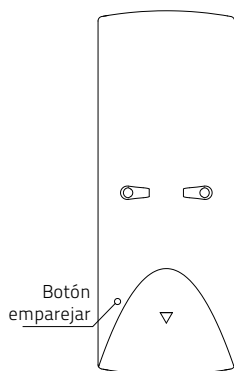
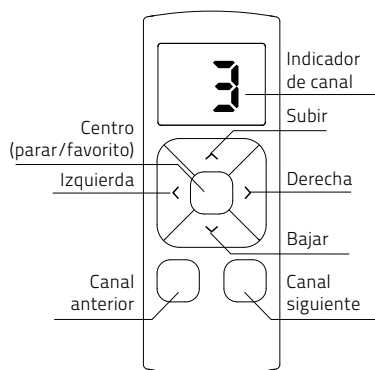
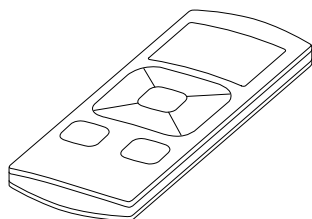
CM-12

Mando de 5 canales



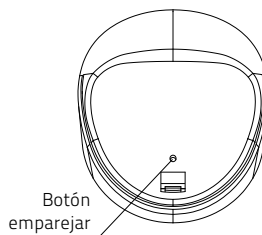
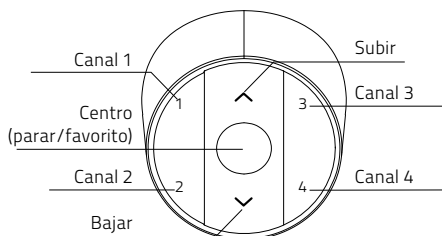
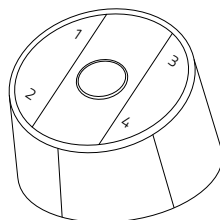
CM-13

Mando de 15 canales



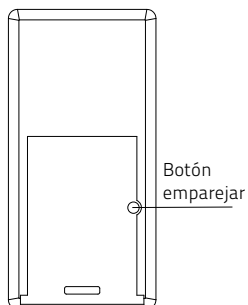
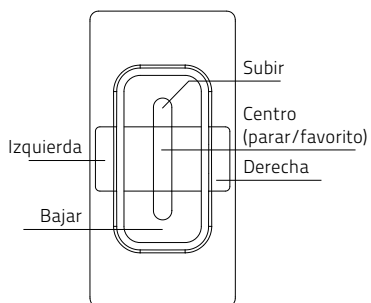
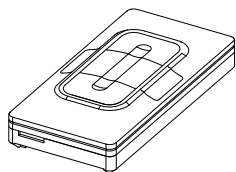
CM-17

Mando de mesa de 4 canales



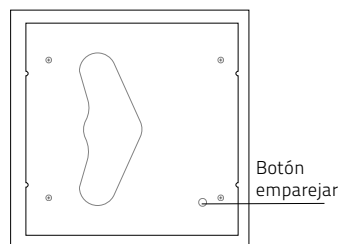
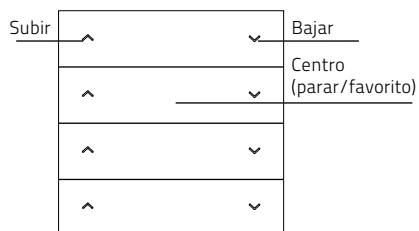
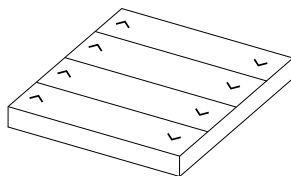
CM-15

Mando de pared de 1 canal



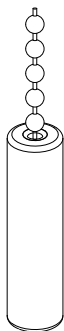
CM-16

Mando de pared de 4 canales



CM-18

Mecanismo tirador de 1 canal

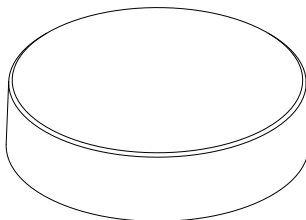


Botón
emparejar

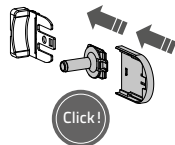
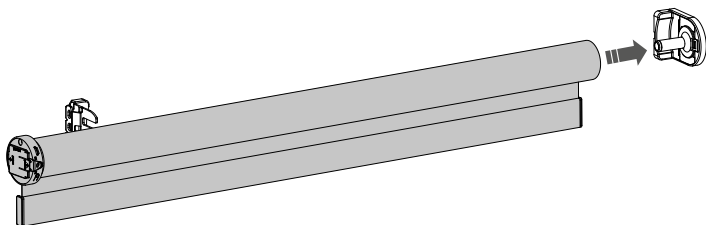
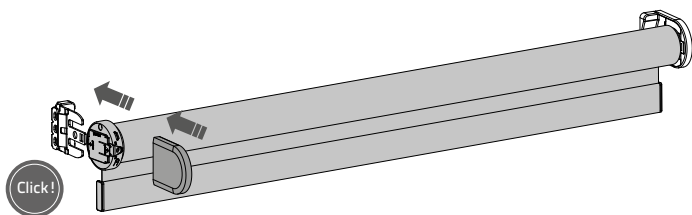
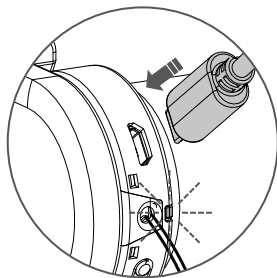


CM-20

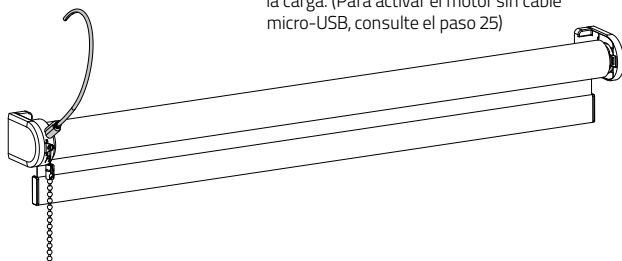
Puente Motion



Consultar manual CM-20

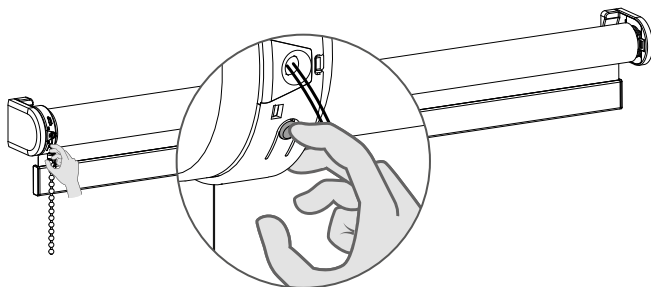
1 Instalar la persiana**2****3****4****5** Activar el motor

Cargue el motor con un cable micro-USB para activarlo. Una luz LED verde empezará a parpadear. El motor se puede utilizar durante la carga. (Para activar el motor sin cable micro-USB, consulte el paso 25)

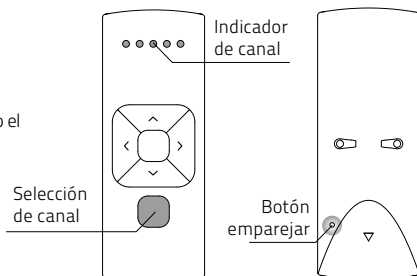


6 Emparejar un mando

i Empareje un mando a distancia para programar las persianas. Consulte las páginas 4 y 5 para obtener más detalles. En este manual se muestra el CM-12.



- 6.1** Pulse brevemente el botón **programar** del motor. La persiana se moverá para indicar que el modo de programación ha sido activado. (La persiana seguirá moviéndose hasta que el modo de programación se desactive).
- 6.2** Seleccione el canal deseado para la persiana utilizando el botón **selección de canal** en el mando a distancia.
- 6.3** Pulse el botón **emparejar** en la parte posterior del mando para emparejar la persiana con el canal seleccionado. La persiana dejará de moverse brevemente para indicar que el mando ha sido emparejado.



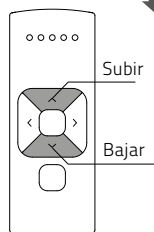
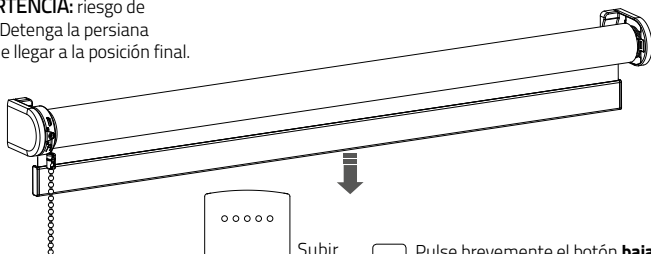
i Repita los pasos 6.1 - 6.3 para quitar una persiana de un canal.

i Las posiciones finales deben ser programadas para el uso correcto de la persiana y para evitar que se dañe. Proceda al paso 12 si ya han sido configuradas.

7 Compruebe el sentido de rotación



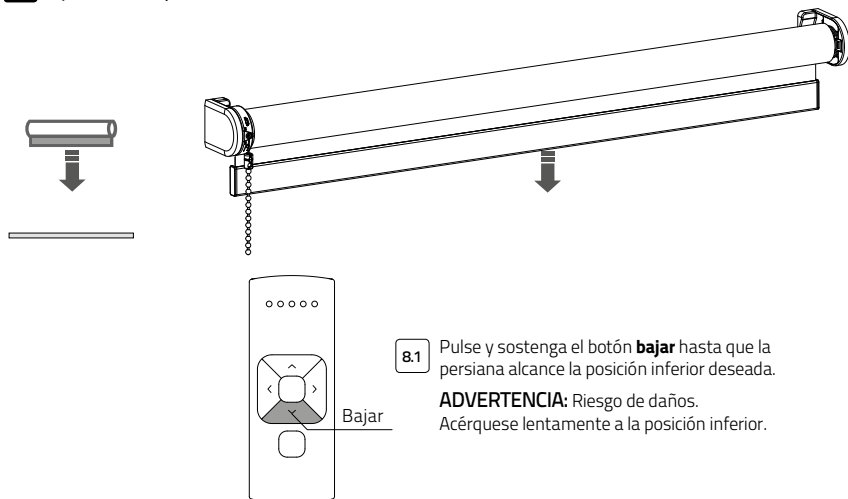
ADVERTENCIA: riesgo de daños. Detenga la persiana antes de llegar a la posición final.



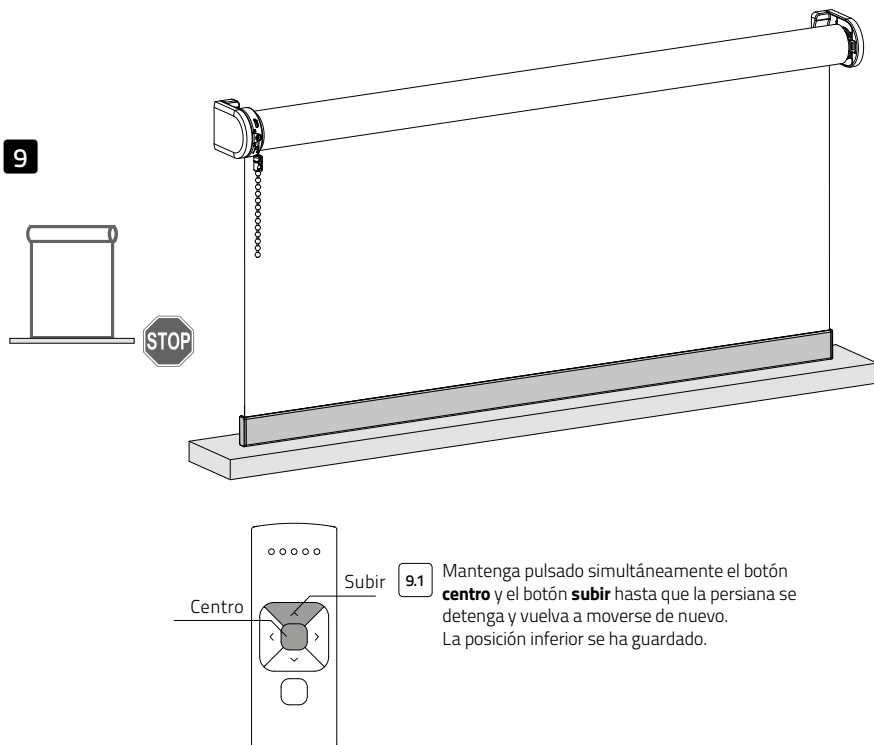
7.1 Pulse brevemente el botón **bajar** para comprobar si la persiana se desenrolla de forma correcta. Si la persiana sube, el sentido de rotación debe cambiarse.

7.2 Pulse simultáneamente el botón **subir** y **bajar** para cambiar el sentido de rotación.

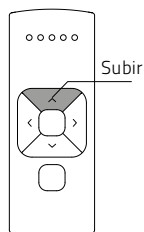
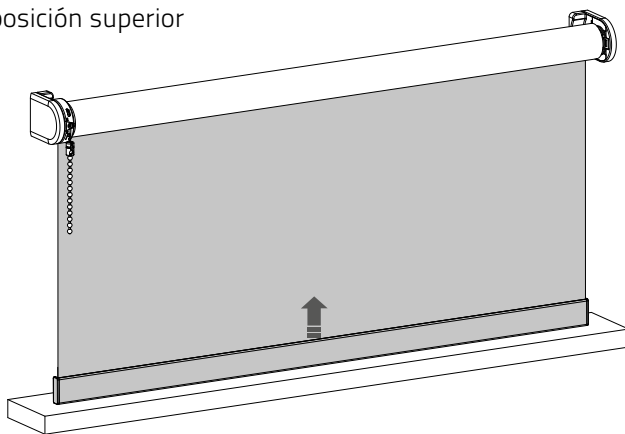
8 Ajustar la posición inferior



9



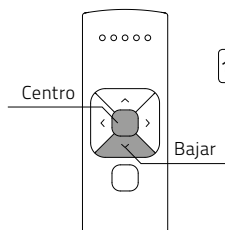
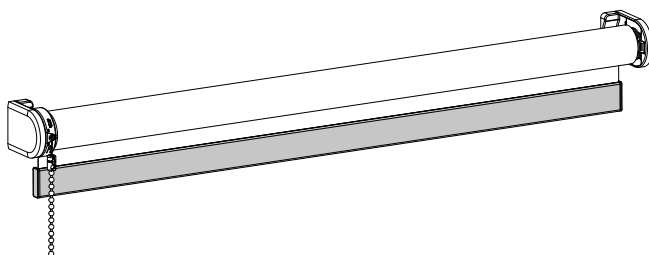
10 Ajustar la posición superior



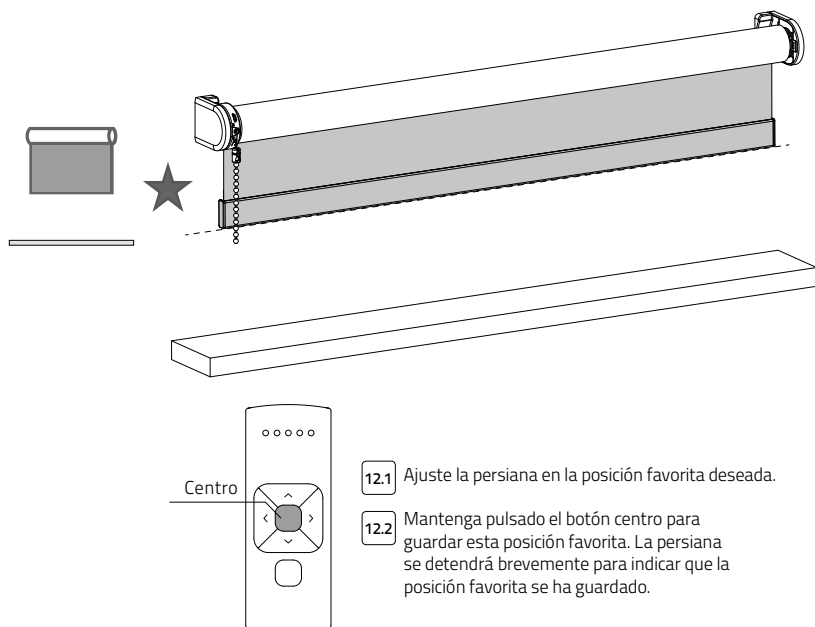
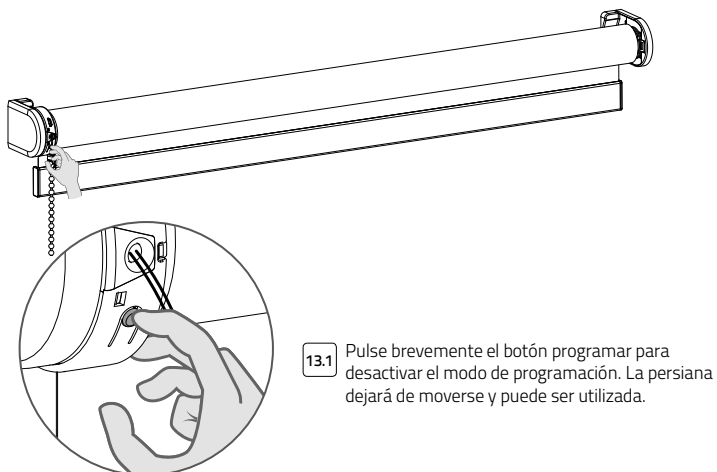
- 10.1 Pulse y sostenga el botón **subir** hasta que la persiana alcance la posición superior deseada.

ADVERTENCIA: Riesgo de daños.
Acérquese lentamente a la posición superior.

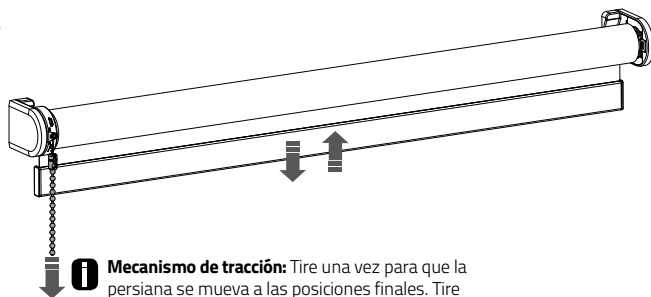
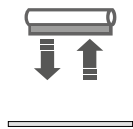
11



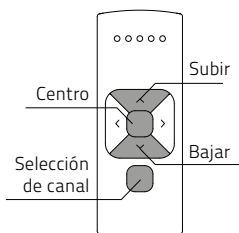
- 11.1 Mantenga pulsado simultáneamente el botón **centro** y el botón **bajar** hasta que la persiana se detenga y vuelva a moverse de nuevo. La posición superior se ha guardado.

12 Ajustar la posición favorita (opcional).**13** Desactivar el modo de programación

14 Activar la persiana

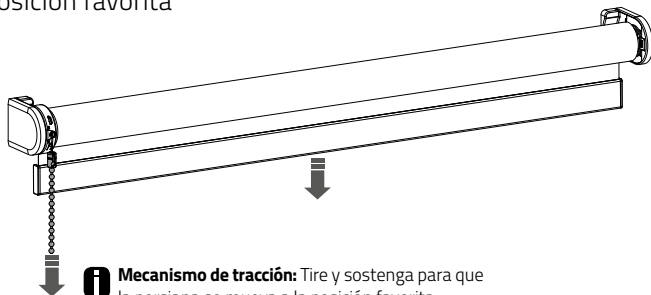
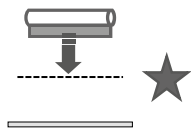


i Mecanismo de tracción: Tire una vez para que la persiana se mueva a las posiciones finales. Tire de nuevo para detener la persiana.

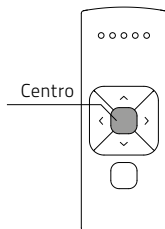


i Operación remoto: Elija el canal al que se ha emparejado la persiana mediante el botón **canal**. Pulse el botón **subir** o **bajar** para operar la persiana. Pulse el botón **centro** para detener la persiana.

15 Activar hasta la posición favorita

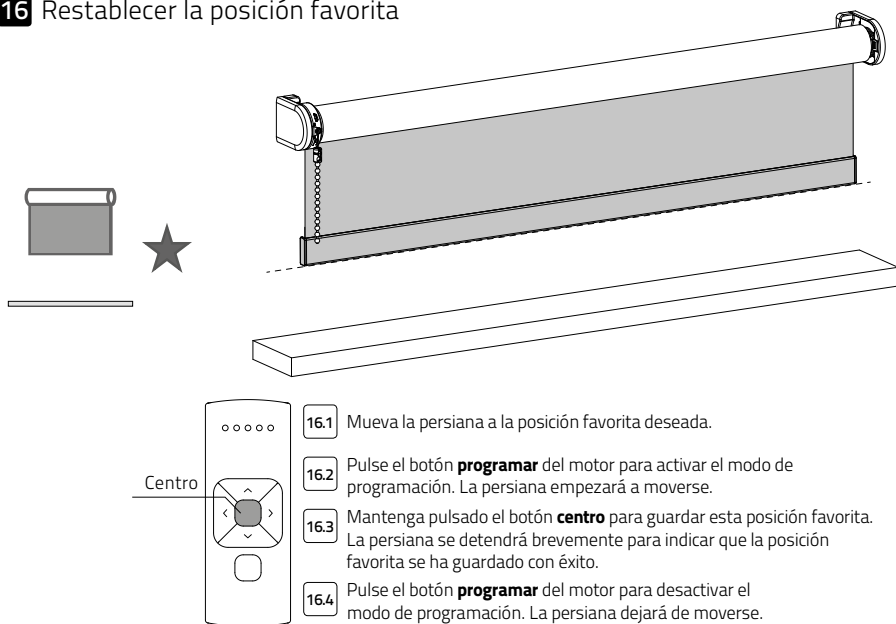


i Mecanismo de tracción: Tire y sostenga para que la persiana se mueva a la posición favorita.



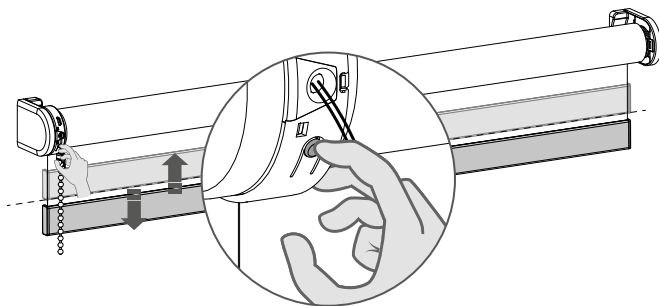
i Operación remoto: Pulse el botón **centro** para mover la persiana hasta la posición favorita.

16 Restablecer la posición favorita



17 Desactivar el control directo

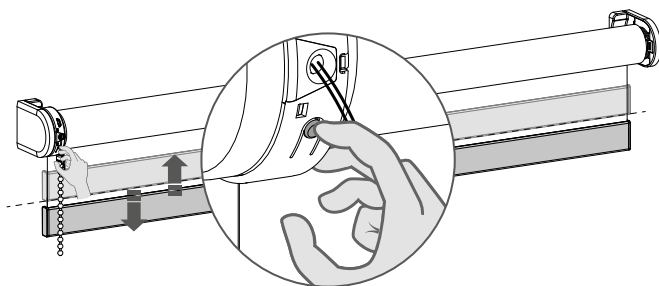
i Al pulsar el botón subir o bajar del mando a distancia, la persiana se mueve directamente a las posiciones finales (control directo). Para avanzar en pasos más pequeños usando los botones de subir y bajar, se puede desactivar el control directo. Ahora, la persiana solo avanzará directamente a las posiciones finales si se mantiene pulsado el botón de subir o bajar durante más de dos segundos.



- 17.1 Pulse el botón **programar** del motor para activar el modo de programación. La persiana empezará a moverse.
- 17.2 Mantenga pulsado el botón **programar** hasta que la persiana deje de moverse (aprox. 5 segundos) para desactivar o reactivar el control directo.

18 Restablecer la persiana

- i** Es posible borrar solamente las posiciones finales o restablecer los valores de fábrica. Al restablecer los valores de fábrica, se borrarán las posiciones finales y la conexión a cualquier mando emparejado.

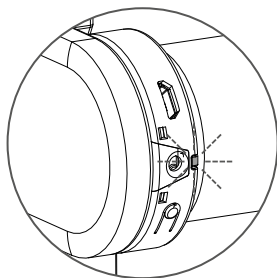


18.1 Pulse el botón programar del motor para activar el modo de programación.

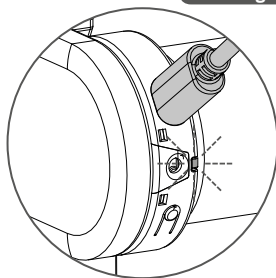
- i** **Borrar las posiciones finales:** Para borrar las posiciones finales de la persiana, mantenga pulsado el botón **programar** hasta que la persiana deje de moverse por primera vez y sostenga el botón hasta que la persiana deje de moverse por segunda vez. (aproximadamente 10 segundos)
- i** **Restablecimiento de fábrica:** Para restablecer la persiana a los valores de fábrica, mantenga pulsado el botón durante al menos 20 segundos. La persiana dejará de moverse dos veces. Después de la segunda vez, la persiana dará un paso más para confirmar el restablecimiento de fábrica.

19 Recargar la batería

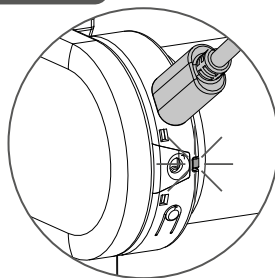
Utilice el cable
micro-USB para
cargar el motor



Si la luz parpadea
en rojo durante el
funcionamiento,
cargue la batería



Si parpadea en
verde, la batería se
está cargando

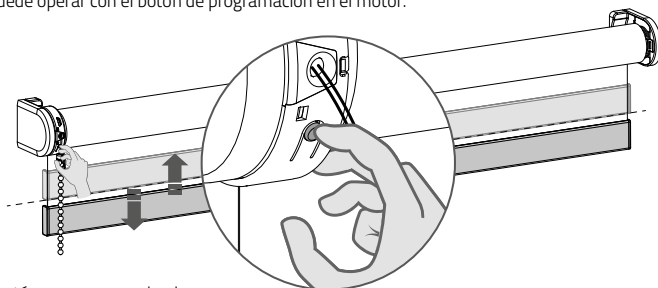


Si la luz está en verde,
la batería está comple-
tamente cargada

i Opciones avanzadas

20 Control manual

- i** Si no dispone de un mando a distancia o mecanismo de tracción, la persiana se puede operar con el botón de programación en el motor.

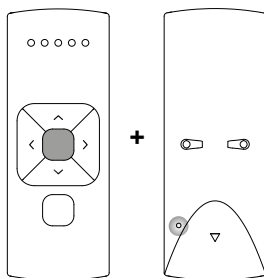


- 20.1** Mantenga el botón **programar** pulsado para operar la persiana manualmente. La persiana se moverá mientras que el botón se presione. (máx. 15 seg.)
- 20.2** Para mover la persiana en sentido contrario, suelte el botón **programar** y repita el paso 20.1.

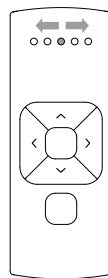
21 Mando de 5 canales con Selección individual

- i** La Selección individual permite activar el modo de programación de una sola persiana con el mando a distancia, sin tener que pulsar físicamente el botón de programación de la persiana.

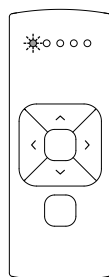
- 21.1** Para activar el modo de Selección individual, sostenga simultáneamente el botón **centro** y pulse el botón **emparejar**.



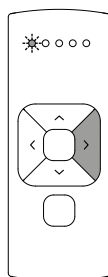
- 21.2** El mando empezará a buscar persianas (modo de búsqueda). Esto se indica mediante el parpadeo de las luces LED de izquierda a derecha.



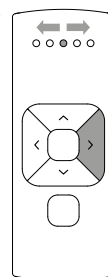
- 21.3** Cuando se encuentre una persiana, la luz LED del canal parpadeará y la persiana empezará a moverse para indicar que el modo de programación ha sido activado. Ahora, la persiana se puede (des)emparejar con el mando y/o programar.



- 21.4** Para buscar la siguiente persiana, pulse la flecha **derecha**. Se activará el modo de búsqueda. Para encontrar la persiana anterior, pulse la flecha **izquierda**.



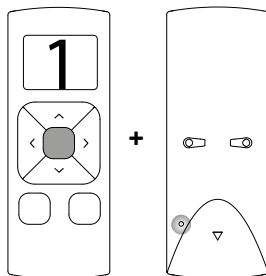
- 21.5** Para salir de la Selección individual, pulse la flecha **derecha** durante el modo de búsqueda.



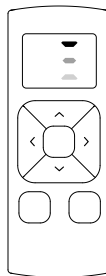
22 Mando de 15 canales con Selección individual

i La Selección individual permite activar el modo de programación de una sola persiana con el mando a distancia, sin tener que pulsar físicamente el botón de programación de la persiana.

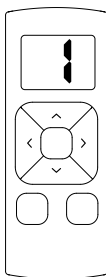
22.1 Para activar el modo de Selección individual, sostenga simultáneamente el botón **centro** y pulse el botón **emparejar**.



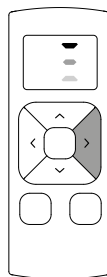
22.2 El mando empezará a buscar persianas (modo de búsqueda). Esto se indica mediante las barras horizontales del mando.



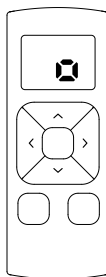
22.3 Cuando se encuentre una persiana, el número del canal parpadeará y la persiana empezará a moverse para indicar que el modo de programación ha sido activado. Ahora, la persiana se puede (des)emparejar con el mando y/o programar.



22.4 Para buscar la siguiente persiana, pulse la flecha **derecha**. Se activará el modo de búsqueda. Para encontrar la persiana anterior, pulse la flecha izquierda.



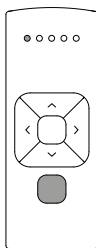
22.5 Para salir de la Selección individual, pulse la flecha **derecha** durante el modo de búsqueda. En la pantalla se mostrará la letra **O**.



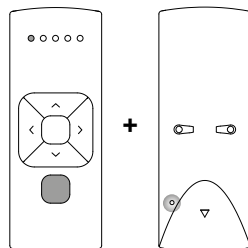
23 Mando de 5 canales con Selección de canal

i La Selección de canal permite copiar persianas entre canales/mandos sin tener que pulsar físicamente el botón de programación de los motores.

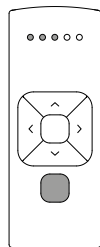
23.1 Seleccione el canal cuyas persianas deben ser copiadas.



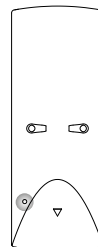
23.2 Para activar el modo de Selección de canal, sostenga simultáneamente el botón **canal** y pulse el botón **emparejar**.



23.3 Todas las persianas del canal seleccionado empezarán a moverse para indicar que el modo de programación ha sido activado. Todas las persianas pueden ser copiadas a un canal nuevo del mismo mando o de otro mando. Seleccione un canal nuevo en el mando (nuevo).



23.4 Pulse el botón emparejar del mando (nuevo) para emparejar las persianas con el canal nuevo.

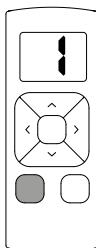


23.5 Para salir de la Selección e canal, vuelva al canal seleccionado en paso 23.1 y repita el paso 23.2.

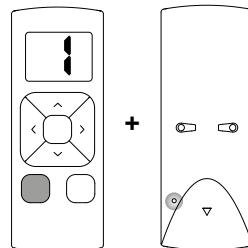
24 Mando de 15 canales con Selección de canal

i La Selección de canal permite copiar persianas entre canales/mandos sin tener que pulsar físicamente el botón de programación de los motores.

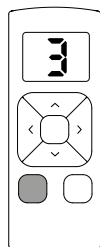
24.1 Selecciona el canal que desea copiar.



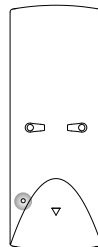
24.2 Para activar el modo de Selección de canal, sostenga simultáneamente el botón **canal** y pulse el botón **emparejar**.



24.3 Todas las persianas del canal seleccionado empezarán a moverse para indicar que el modo de programación ha sido activado. Todas las persianas pueden ser copiadas a un canal nuevo del mismo mando o de otro mando. Seleccione un canal en el mando (nuevo).



24.4 Pulse el botón de programación del mando (nuevo) para emparejar las persianas con el mando (nuevo).



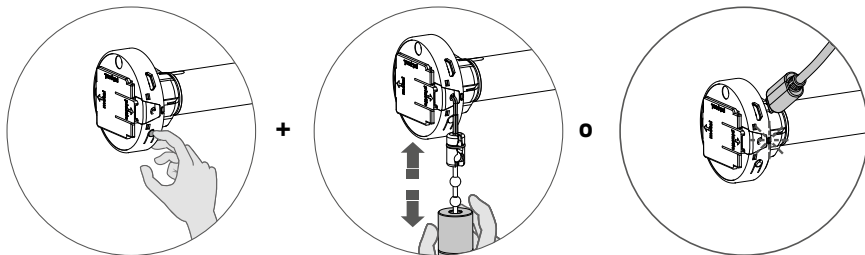
24.5 Para salir de la Selección e canal, vuelva al canal seleccionado en el paso 24.1 y repita el paso 24.2.

25 Activar / desactivar el motor

i Para evitar que la persiana se dañe, el motor dispone de un modo de transporte que asegura que la persiana no se active antes de la instalación.

25.1 Mantenga el botón de programación pulsado y tire dos veces del contrapeso para activar o desactivar el motor.

También se puede activar el motor cargándolo con un cable micro-USB.



Preguntas frecuentes

Problema	Causa	Solución
La persiana no funciona.	El motor está en el modo de transporte.	Active el motor. Consulte paso 25.
	La batería del motor está vacía.	Cargue el motor. Consulte paso 19.
	Las pilas del mando están vacías. (Las luces del mando parpadean rápidamente)	Reemplace las pilas del mando. Consulte el manual del mando.
	Las pilas del mando se han colocado incorrectamente.	Reemplace las pilas del mando. Consulte el manual del mando.
	Interferencias de radiofrecuencias	Compruebe que la antena del motor esté fuera del alcance de objetos metálicos.
	La distancia entre el mando y el motor es demasiado grande.	Acérquese al motor.
	El mando no está conectado a la persiana.	Empareje el mando con el motor. Consulte paso 6.
La luz del motor parpadea en rojo.	La batería del motor está vacía.	Cargue el motor. Consulte paso 19.
La persiana no se carga.	El cargador no está enchufado o no funciona.	Pruebe con un cargador diferente o compruebe que el cargador esté enchufado en la toma de corriente.
Varias persianas responden a un mando. (No se puede programar solo una persiana)	Varias persianas están conectadas a un solo canal.	Empareje la persiana con un canal libre o utilice la Selección individual para programarla.
La persiana avanza paso a paso.	1) No se han programado posiciones finales. 2) El control directo está desactivado.	1) Programe posiciones finales. Consulte paso 8 - 11. 2) Active el control directo. Consulte paso 17.
No se puede programar la posición favorita.	No se han programado posiciones finales.	Programe posiciones finales. Consulte paso 8 - 11.
La persiana baja demasiado.	Las posiciones finales se han programado mal.	Vuelva a programar las posiciones finales. Consulte paso 8 - 11.
La persiana se mueve en la dirección opuesta.	El sentido de rotación se ha configurado mal.	Cambie el sentido de rotación. Consulte paso 7.
La persiana no para de moverse hacia arriba y abajo.	La persiana está en el modo de programación.	Pulse el botón programar del motor para salir del modo de programación.

Para la información más reciente
y los manuales actualizados,
visite rtube.nl/cm-03

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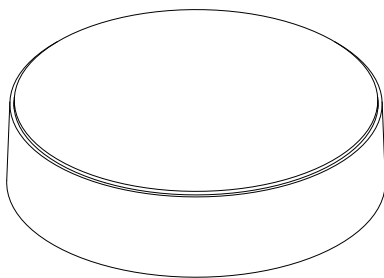
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MOTION

MANUAL CM-20

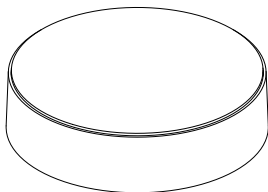
MOTION Wi-Fi bridge



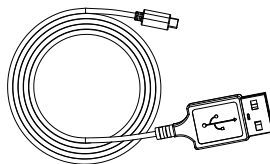
The MOTION Wi-Fi bridge is the heart of your automated blinds network at home. The bridge unlocks endless possibilities to operate blinds with the MOTION app. Cloud connections with leading smart home applications enable voice control and a variety of smart automation options.

Max. blinds	Scenes	Timers	Frequency	Range radio	Power supply	Length	Height	Certificates
30	20	20	433 MHz 2.4 GHz	30 m	Micro USB DC 5V 1A	100 mm ø	25 mm	CEFC

This box includes the following items:



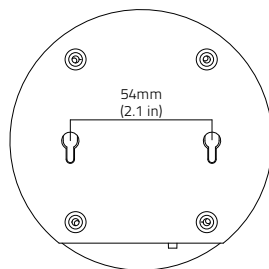
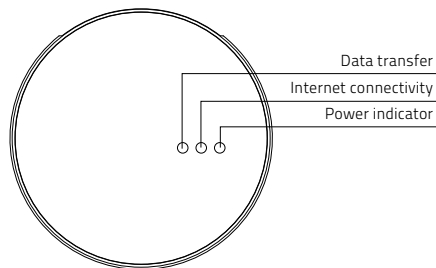
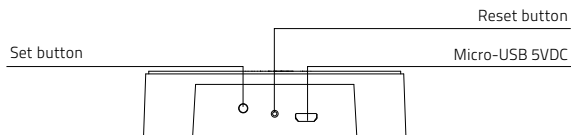
CM-20 MOTION Wi-Fi Bridge



Micro-USB cable 75cm



For the latest information and updated manuals, visit rtube.nl/cm-20



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

Safety

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

- Do not let children play with the blind and/or remote control.
- Take care that the blind can move freely and is not blocked by any objects.
- Do not paint the device.
- Keep the device dry.
- Do not drop, knock, or shake the device. Rough handling can break internal circuit boards.

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.

1 Download the app and create an account

- i** The MOTION Wi-Fi bridge needs to be set up with the MOTION Blinds app before installation on the wall or ceiling. Download the MOTION Blinds app from the App Store or Google Play with your smartphone or tablet. Open the MOTION app and create an account.



App Store
Download the
MOTION Blinds app
rtube.nl/red981



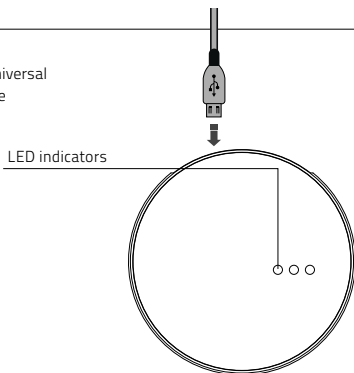
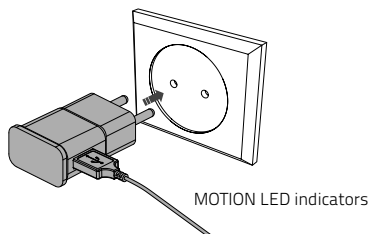
Google Play
Download the
MOTION Blinds app
rtube.nl/red982



1. DOWNLOAD THE APP AND CREATE AN ACCOUNT

2 Power the bridge

- i** There is no charger included with this product. Any universal DC 5V 1A micro-USB charger can be used to power the MOTION bridge.



LED	Color	Status
Right	Solid Red	Bridge is powered on
Center	Blinking purple	Bridge connecting mode
Center	Blinking red	Not connected to Wi-Fi
Center	Solid Yellow	Connected to Wi-Fi, not connected to MOTION cloud
Center	Solid Blue	Connected to Wi-Fi Connected to MOTION cloud
Left	Blinking purple	Pairing blind with bridge
Left Center	Blinking green Solid blue	Bridge firmware update

2. POWER THE BRIDGE

3 Connect the bridge to a Wi-Fi network

- i** An active internet connection is required to add the MOTION bridge to your home Wi-Fi network. Choose a location for the MOTION bridge in your home. Connect your smartphone or tablet to your home Wi-Fi network to check the strength of the Wi-Fi signal at this location. To avoid interference please make sure the MOTION bridge is located at least one meter away from any other Wi-Fi devices, including your router.



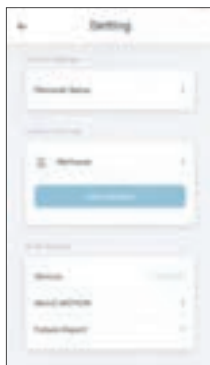
Video
MOTION app:
how it works
rtube.nl/red1074



3G/4G	✗
	✗
	✗
	✓
	✓



- 3.1** Choose 'Edit' at the top right of your screen and open 'Settings'.



- 3.2** Click on your location (MyHouse) to add the MOTION bridge to this location.



- 3.3** Press 'Add Bridge' and follow the installation wizard to setup your bridge.

The MOTION Blinds app allows to create 5 different locations. Up to 3 bridges can be added per location.

3. CONNECT THE BRIDGE TO A WI-FI NETWORK



- 3.4** Make sure the MOTION bridge is powered ON. Open the Wi-Fi settings of your mobile device and connect to the Wi-Fi network you want to connect the MOTION bridge with.



- 3.5** Return to the MOTION Blinds app and enter the password of the Wi-Fi network.



- 3.6** Press and hold the 'Set' button on the MOTION bridge until the LED on top of the bridge starts to flash purple. Go to the app and press 'Connect'. Now a MOTION Wi-Fi network is created by the bridge.

3. CONNECT THE BRIDGE TO A WI-FI NETWORK



- 3.7** Keep the MOTION Blinds app running on the background, while opening the Wi-Fi settings of your mobile device.



- 3.8** Choose the MOTION_XXXX network to connect with the bridge. Return to the MOTION Blinds app to finish the installation wizard.



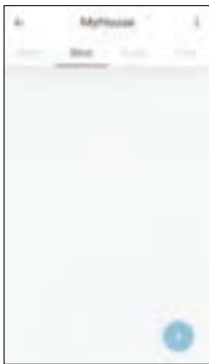
- 3.9** The bridge automatically connects to your Wi-Fi network. The middle LED on the bridge first turns yellow and then blue. Now the bridge is connected to your Wi-Fi network and the MOTION cloud.

3. CONNECT THE BRIDGE TO A WI-FI NETWORK

4 Add a blind



4.1 Go back to the start screen in the app and open your location.



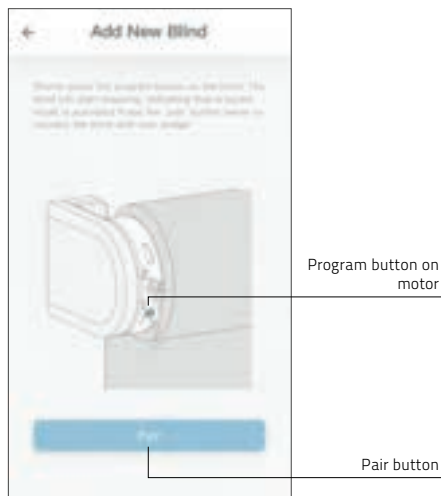
4.2 Navigate to 'Blind' and press the '+' button to add a new blind. (Make sure your blind has a top and bottom position programmed. If your blind does not have end positions please program first.)



4.3 Choose the blind type and follow the setup wizard.

4. ADD A BLIND

i Before adding a blind to the MOTION bridge, the end positions of the blind must be programmed with a remote control.

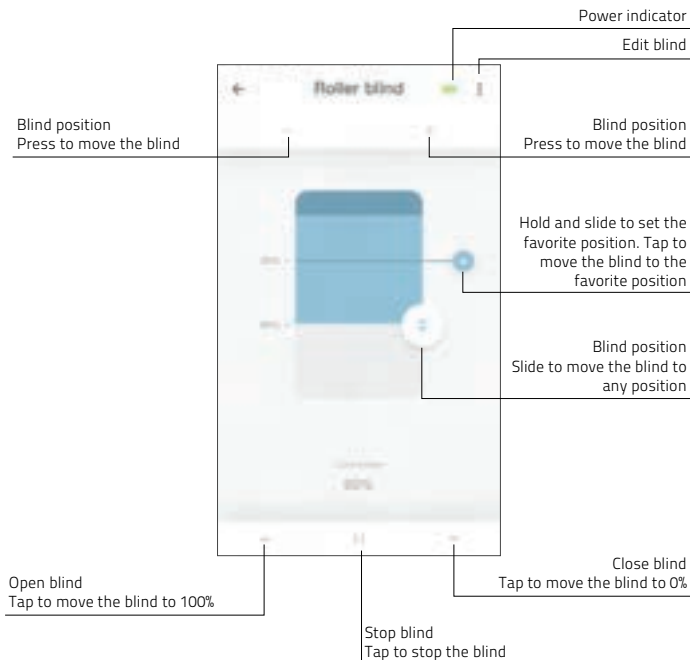


4.4

Shortly press the program button on the blind. (Please see the manual of your motor to see where the program button is located.) The blind will start stepping, indicating that program mode is activated. Press the 'pair' button to connect the blind with your bridge.

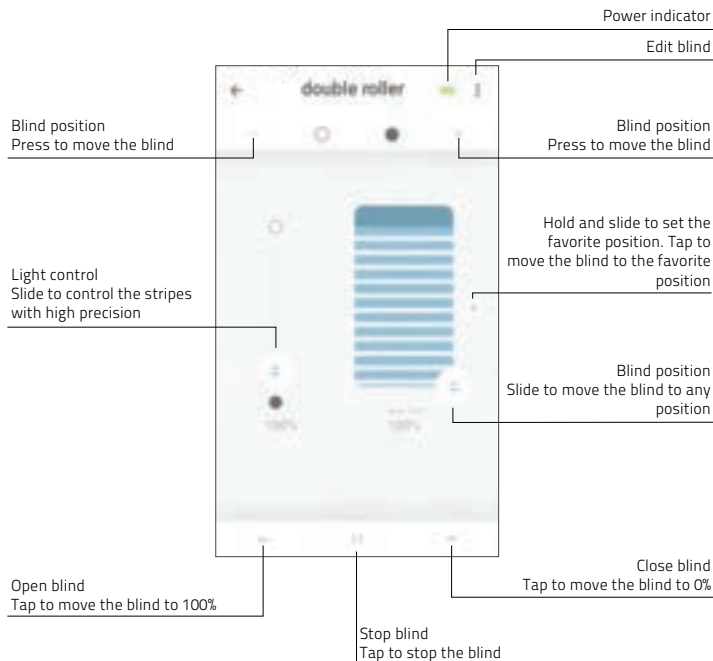
4. ADD A BLIND

5 Roller/ Honeycomb/ Roman blind control



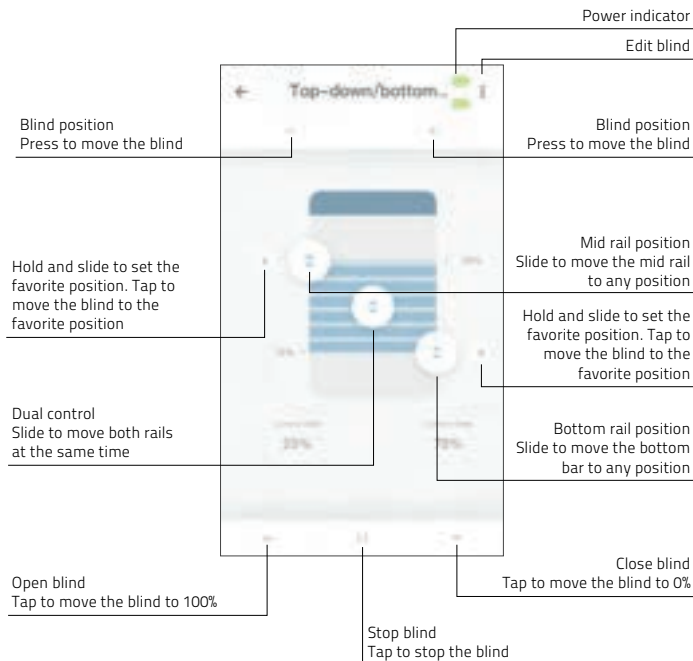
5. ROLLER BLIND CONTROL

6 Double roller control



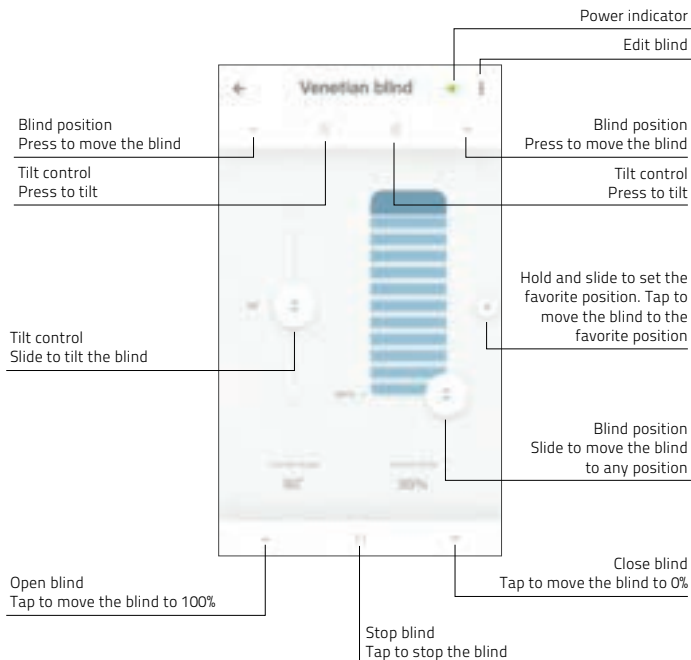
6. DOUBLE ROLLER CONTROL

7 Top-down/Bottom-up control



7. TOP-DOWN/BOTTOM-UP CONTROL

8 Venetian control



8. VENETIAN CONTROL

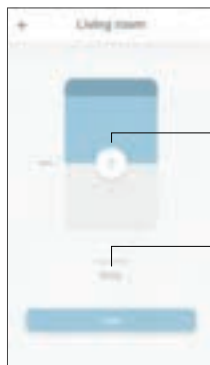
9 Create a room

i Add blinds to a room to control individual blinds or all blinds in a room at the same time. Shortly click on a room to see/control all the blinds in this room



Add room

9.1 Press the '+' button to add a new room.



Position slider

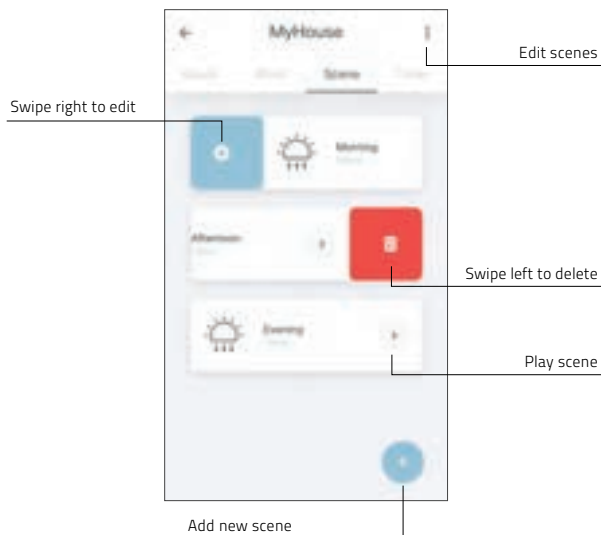
Target Position

9.2 Click and hold on a room and control all the blinds to a certain position.

9. CREATE A ROOM

10 Create a scene

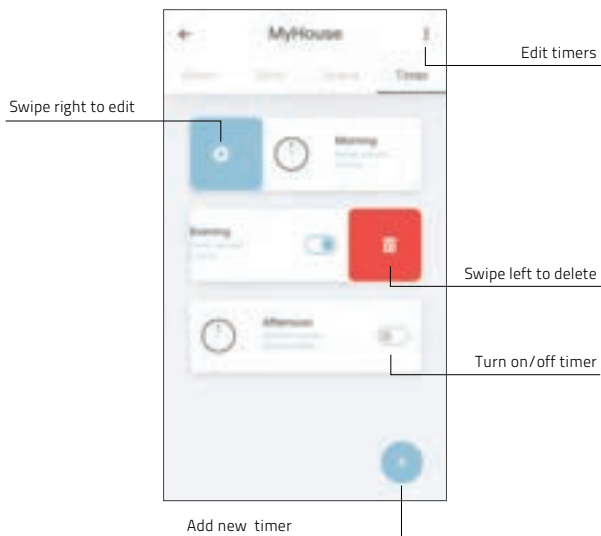
i Scenes can be created to move your blinds to preset positions.



10. CREATE A SCENE

11 Create a timer

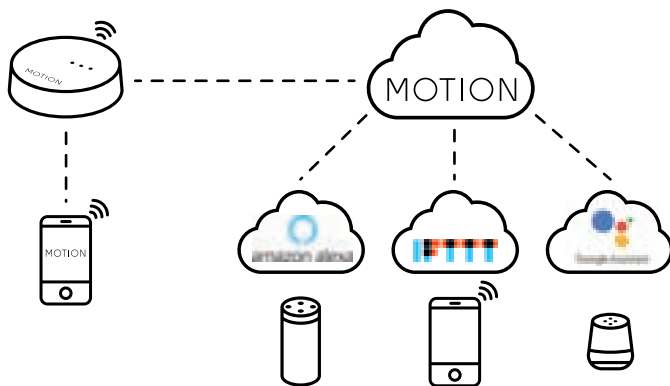
i Timers can be created to automate blinds and scenes to make the home seem inhabited.



11. CREATE A TIMER

12 Connect to third party

i The MOTION bridge allows to seamlessly connect motorised blinds to smart home applications. Scan the QR code below to discover the third party connections.



Third party
Discover third party
connections for MOTION
blinds rtube.nl/red1062



12. CONNECT TO THIRD PARTY

13 Frequently Asked Questions

Problem	Cause	Solution
Blind is not responding	Motor battery is empty	Charge the motor. See the manual of your motor
	Radio interference / shielding	Make sure that the bridge/antenna of the motor is out of the way from metal objects
	The distance from the bridge to the motor is too far	Move the bridge closer to the blind
	The bridge is turned off	Power the bridge
Can not pair your bridge	Wrong password	Start the setup wizard again and use the right password. The password is case sensitive
	Router does not give an IP address to the bridge	Press and hold the reset button for 10 seconds. The center LED indicator will be RED. Retry to add the bridge

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