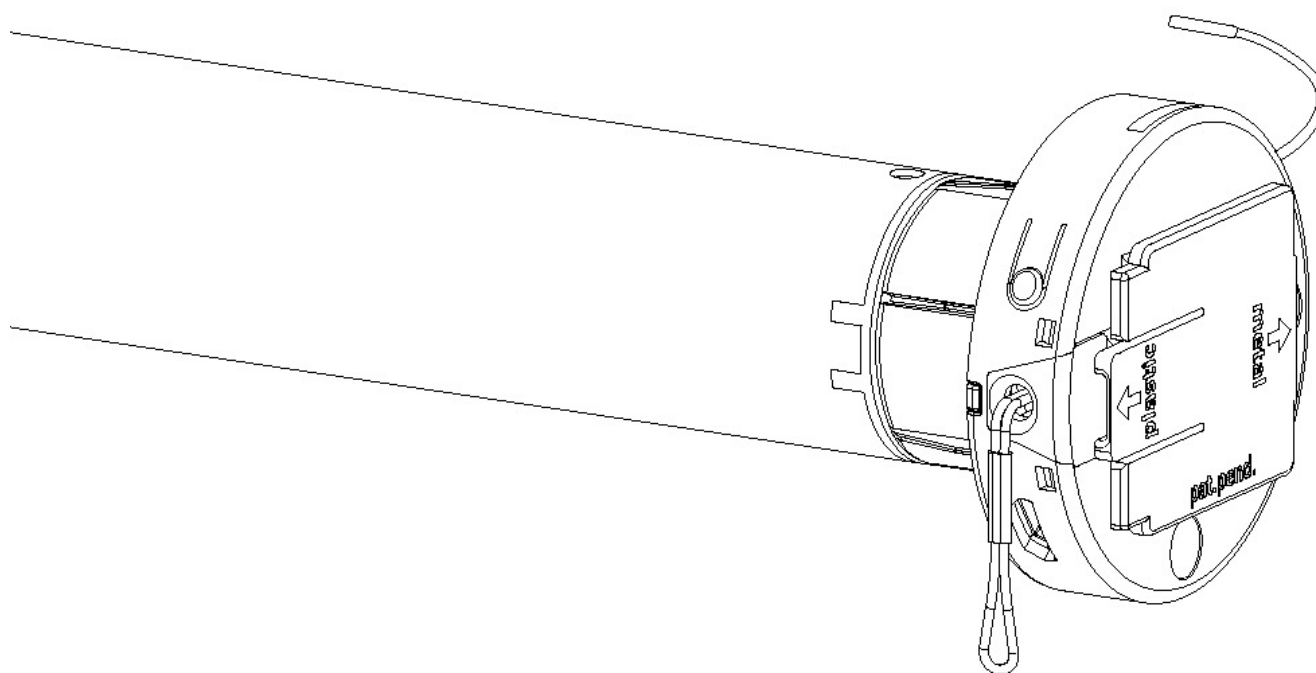# MOTION® MOTORIZATION

Rechargeable (Li-ion battery) powered
tube motors with pull control and controller operation

LUXOUT SHADES

Rechargeable powered tube motors with pull control and controller

Roller
Shades

Motor features

Li-ion Battery
Integrated
lithium-ion battery

USB Rechargeable
Rechargeable with
micro USB

Wireless
Cable free
installation

Speed Control
Consistent
rolling speed
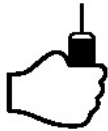for synchronized
hembar alignment

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

Voice
Voice control
compatibale with
Amazon Alexa

Support

Video
How to install,
program and operate
vimeo.com/382371920

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.
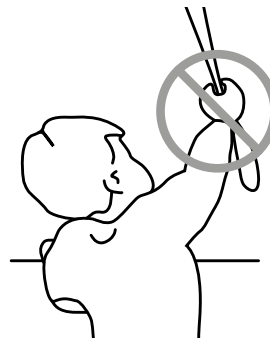
- Young children can strangle themselves with the loop of pull cords, chains and tapes, and cords that operate window coverings.
- To avoid strangulation and entanglement, keep cords out of reach of young children.

- 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 shade 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, call us at 800.817.1204 for instructions on how to obtain warranty service.
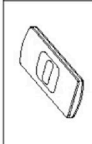
IP 20 CE III
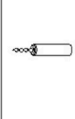
RECOGNIZED COMPONENT
c ETL us
Intertek 5011728
Conforms to UL Std. 325
Certified to CSA Std. C22.2#247

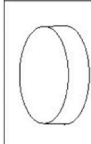|	Channels	Wall mount	Program shades	Single select	Channel select	Max. shades	Max. scenes	Frequency	Range	Power supply	Length	Width	Height	Certificates
Hand-held remote	1	●	●	-	-	unlimited	n/a	433 MHz	30 m with 1 concrete wall	CR2430 3.0V	120 mm	45 mm	14 mm	CE FC
Hand-held remote	5	●	●	●	●	unlimited	n/a	433 MHz	30 m with 1 concrete wall	CR2430 3.0V	120 mm	45 mm	14 mm	CE FC
Hand-held remote	15	●	●	●	●	unlimited	n/a	433 MHz	30 m with 1 concrete wall	CR2430 3.0V	120 mm	45 mm	14 mm	CE FC
Wall remote	1	●	●	-	-	unlimited	n/a	433 MHz	30 m with 1 concrete wall	CR2430 3.0V	66 mm	32,5 mm	13,8 mm	CE FC
Pull remote (Standard)	1	-	-	-	-	unlimited	n/a	433 MHz	20 m open space	2 x LR44 1.5V	19,5 mm ∅		69,9 mm	CE FC
Motion Wi-Fi bridge	n/a	●	●	-	-	20	20	433 MHz Wi-FI 2.4 GHz	30 m with 1 concrete wall	Micro USB - 5V DC	100 mm ∅		25 mm	CE FC

1 CHANNEL CONTROLLER

Channel Indicator

Center (Stop/Favorite)

Up

Down

Pair Button

5 CHANNEL CONTROLLER

Channel Indicator

Center (Stop/Favorite)

Left

Right

Up

Down

Channel Selection

Pair Button
Pair button

15 CHANNEL CONTROLLER

Channel Indicator

Center (Stop/Favorite)

Left

Right

Up

Down

Previous Channel

Next Channel
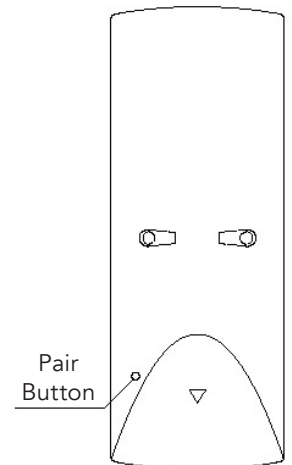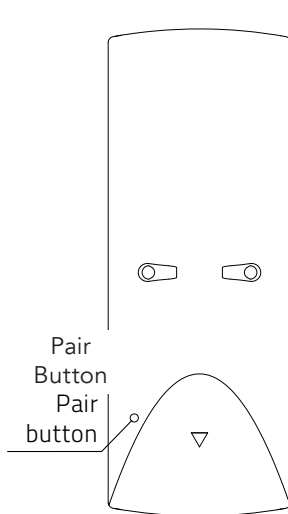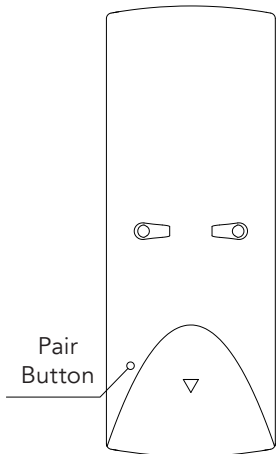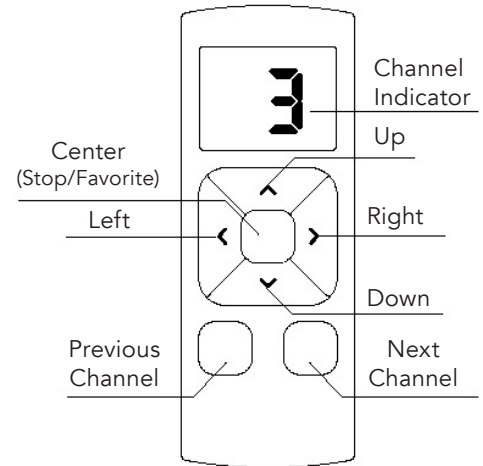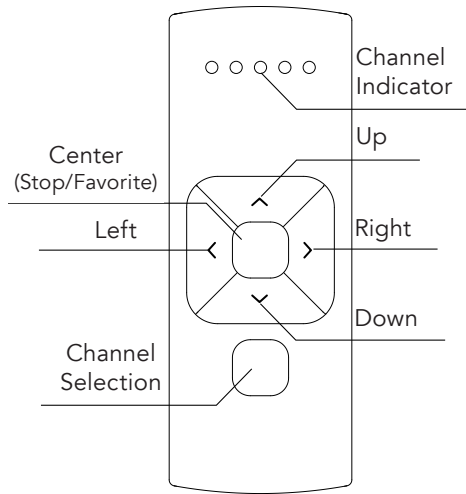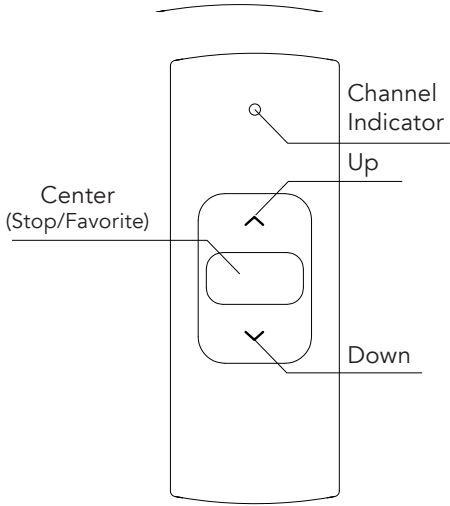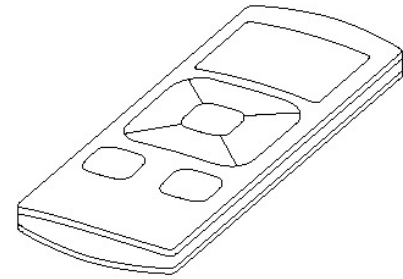
Pair Button

1 CHANNEL WALL CONTROLLER
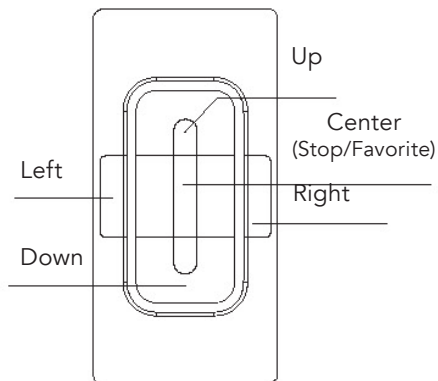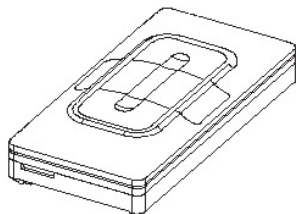
1 CHANNEL PULL CONTROLLER

MOTION BRIDGE

Up

Center
(Stop/Favorite)

Left

Right

Down

Pair
Button

Pair
Button
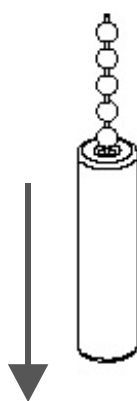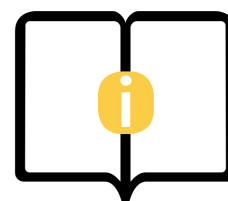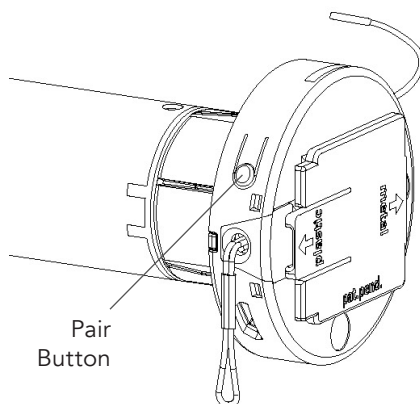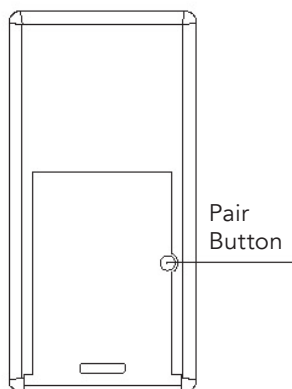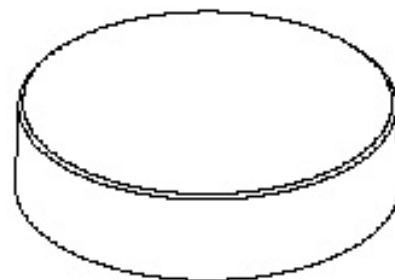
SEE MANUAL

1 Install the shade brackets
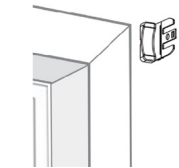
Wall Mount   Ceiling Mount   Jamb Mount
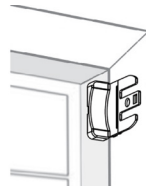
Bracket Covers

Click !
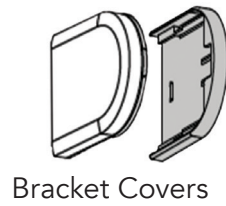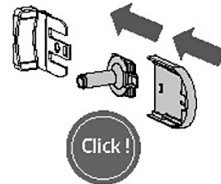
2

Install the idle end and idle end bracket cover
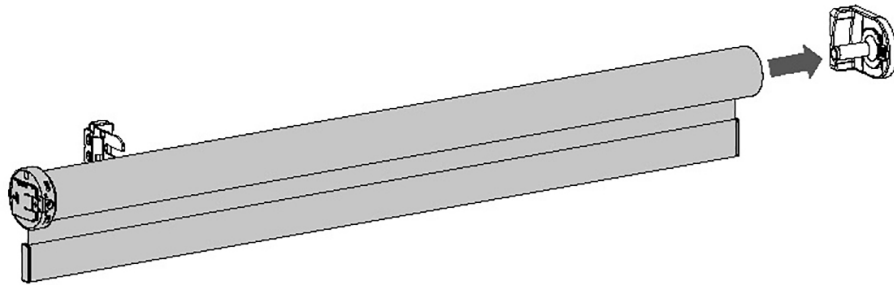
3

Install the shade idle end first

4

Click !
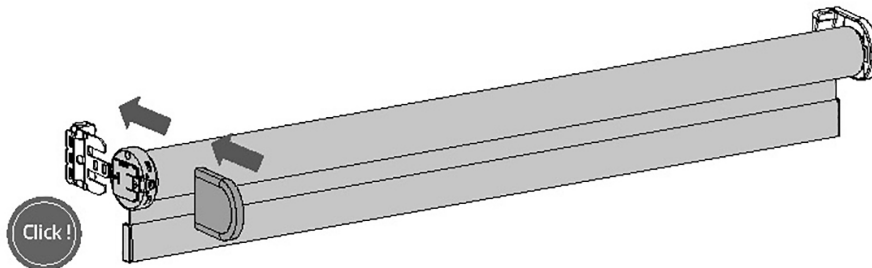
Install the operator end to bracket and bracket cover

5 Activate the motor
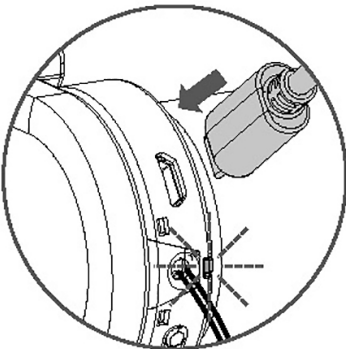
Activate the motor by charging it with a micro USB cable. A green LED will start flashing. The motor can be used during charging.

To activate the motor without a micro USB cable, see step 25. Our **Motion Shades** are charged prior to shipping.
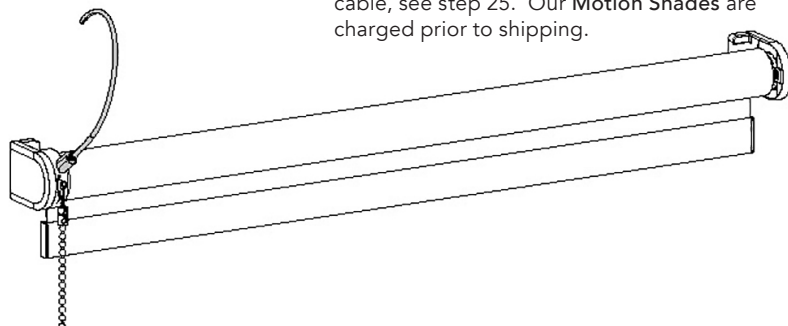
6 Pair a controller

Pair a controller control that is able to program shades. See pages 4 and 5 for controller control details. In this manual, 5 Channel Controller is displayed.
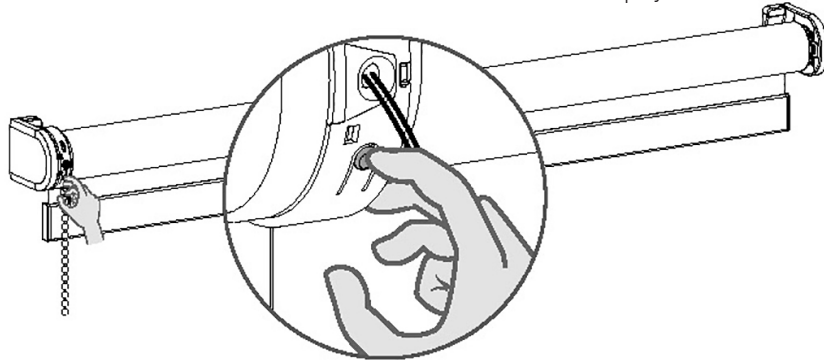
6.1 Shortly press the program button on the motor. The shade will start stepping, indicating that program mode has been activated.
(The shade keeps stepping until the program mode is deactivated.)

6.2 Select a desired channel for the shade using the channel selection button on the controller.

6.3 Press the pair button on the back of the controller to pair the shade with the selected channel. The shade will shortly stop stepping, indicating that the controller has been paired to the shade.

Repeat steps 6.1 - 6.3 to remove a shade from a channel.

Channel indicator

Channel selection

Pair button
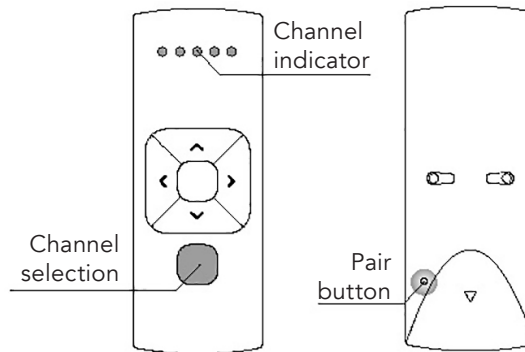
End limits must be programmed to use a shade properly and to prevent it from being damaged. Proceed to step 12 if end limits are already set.

7 Check rotational direction

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

Up
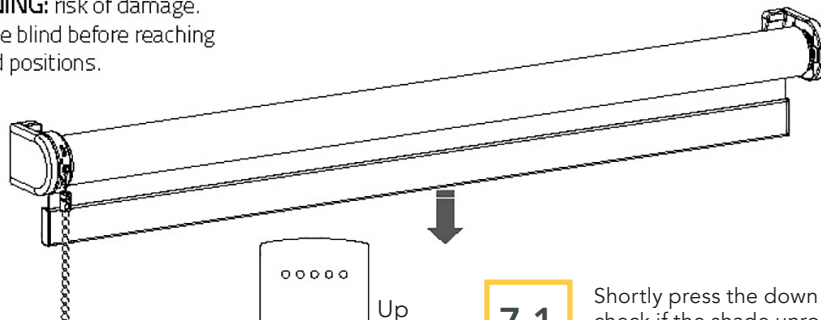
Down

7.1 Shortly press the down button to check if the shade unrolls the right way. If the shade moves up, the rotational direction must be changed.

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

8 Set or adjust bottom limit position. If adjusting limits only, press the programming button on the motor.
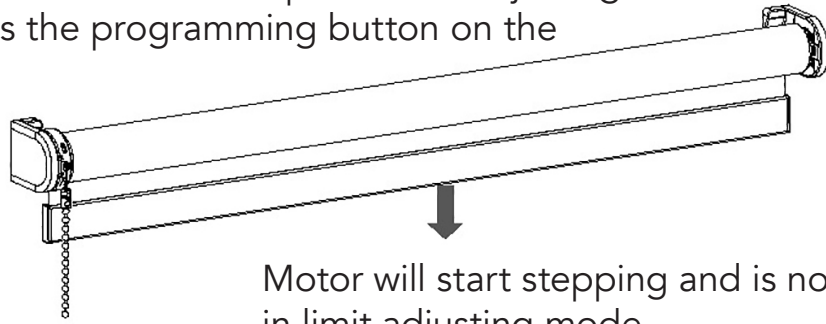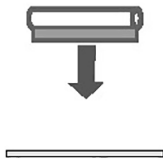
Motor will start stepping and is now in limit adjusting mode.
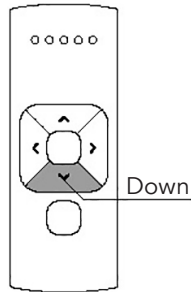
8.1 Press and hold the down button until the shade reaches the desired bottom position.
WARNING: risk of damage.
Slowly approach the bottom position.

Down

9
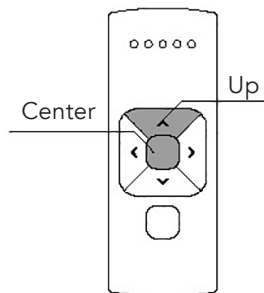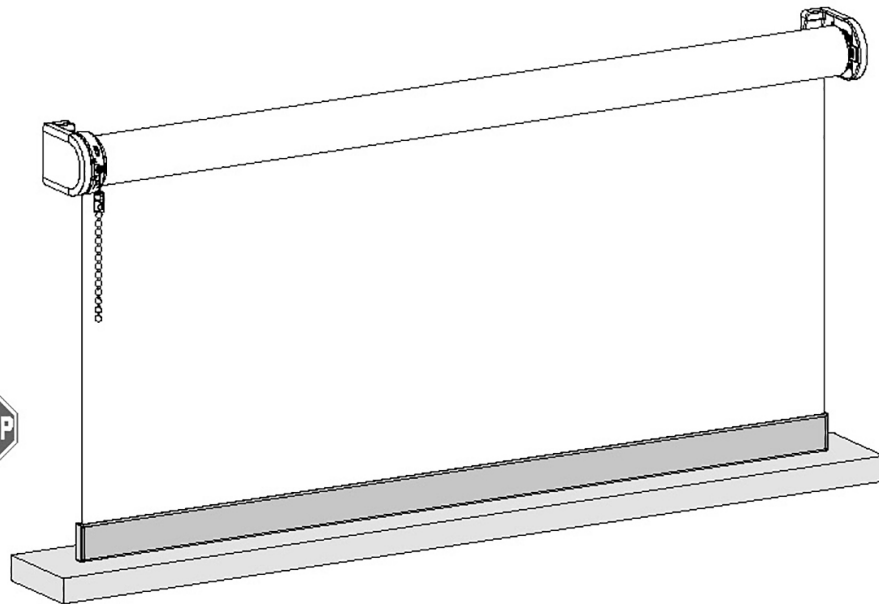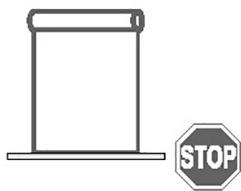
STOP

9.1 Simultaneously hold the **center** and the **up** button until the shade stops stepping and starts stepping again.
The bottom position has been saved.

Center   Up

10 Set top position
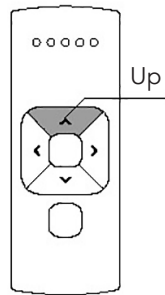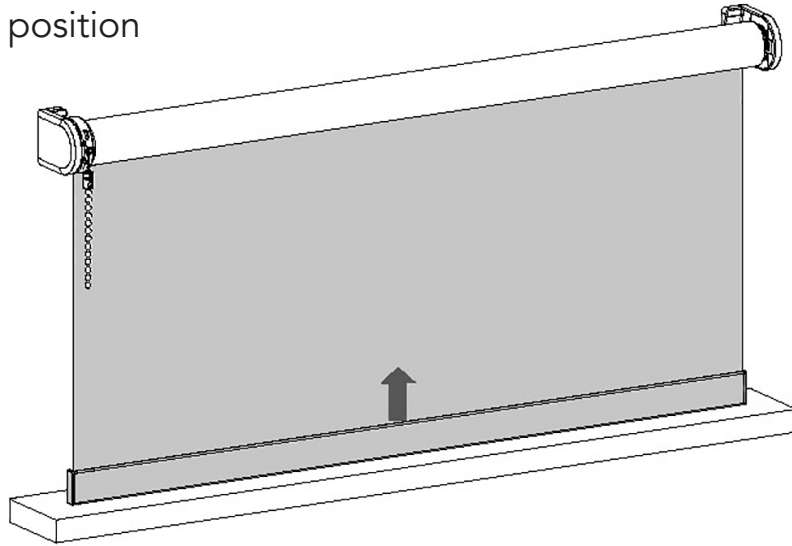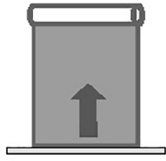
10.1 Press and hold the **up** button until the shade reaches the desired top position.
WARNING: risk of damage.
Slowly approach the top position.

Up

11
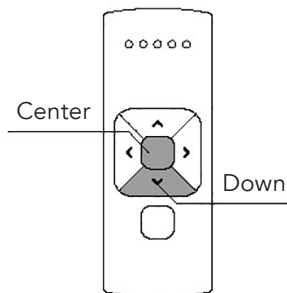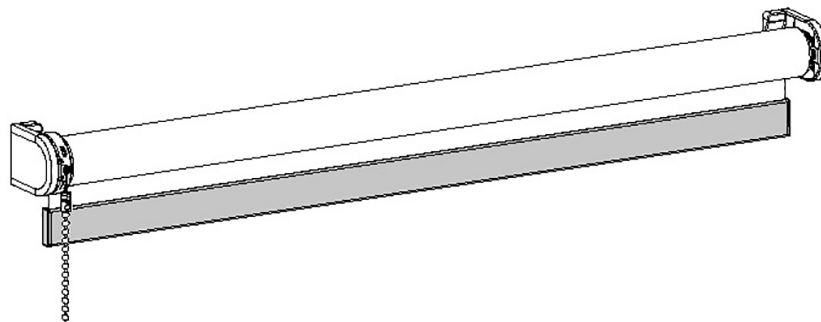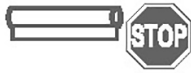
11.1 Simultaneously hold the **center** and the **down** button until the shade stops stepping and starts stepping again.
The top position has been saved.

Center

Down

STOP

12 Set favorite position (optional)
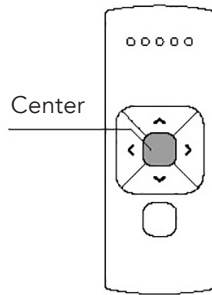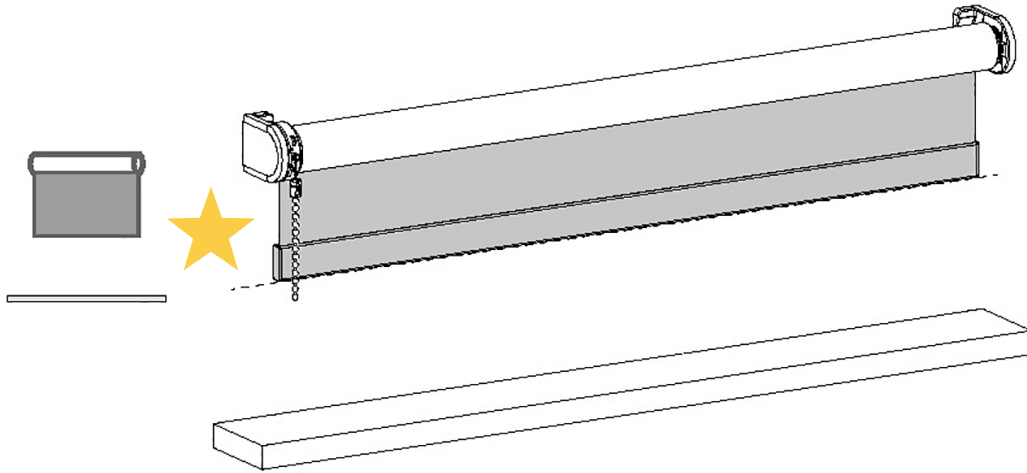
Center

| **12.1** | Move the shade to a desired favorite position. |

| **12.2** | Hold the center button to save this Favorite position. The shade shortly stops stepping indicating the favorite position has been saved. |

13 Deactivate program mode
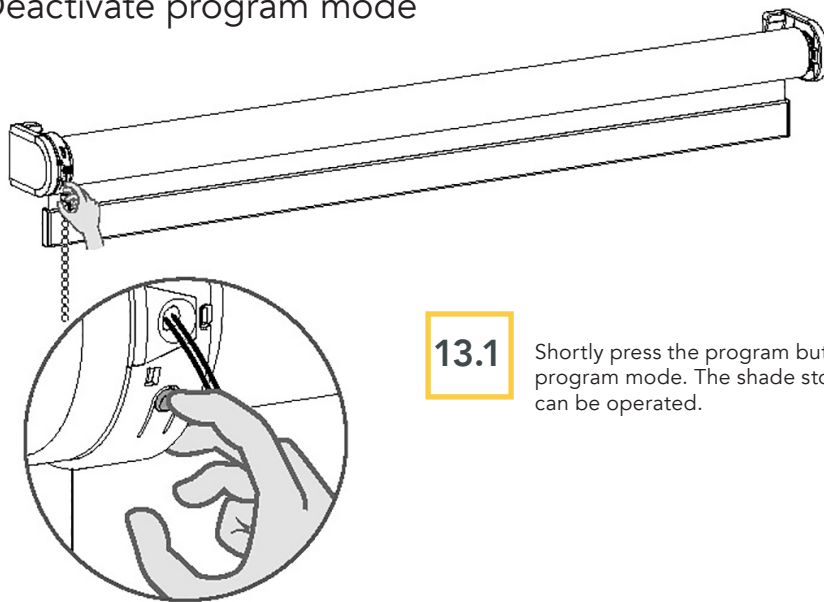
| **13.1** | Shortly press the program button to deactivate program mode. The shade stops stepping and can be operated. |

14   Operate the shade
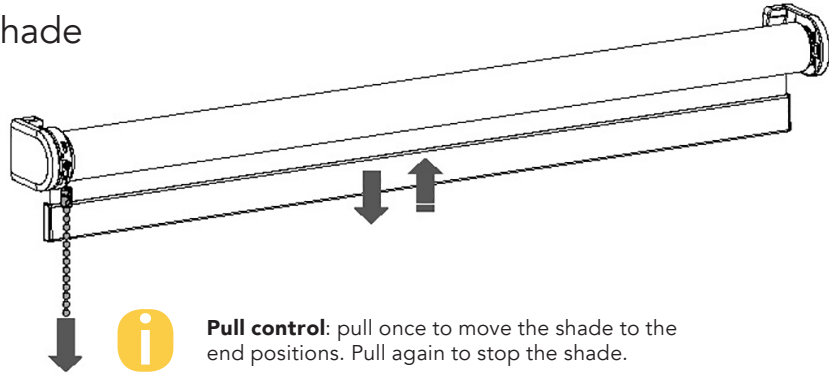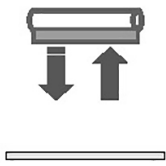
Pull control: pull once to move the shade to the end positions. Pull again to stop the shade.

Center

Up

Channel
Selection
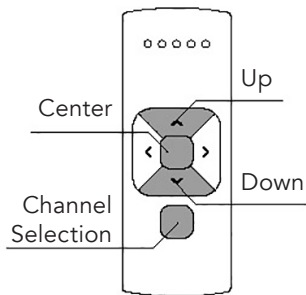
Down

Controller operation: Choose the channel with which the shade has been paired using the **channel** button. Press the **up** or **down** button to operate the shade. Press the **center** button to stop the shade.

15   Move to favorite position
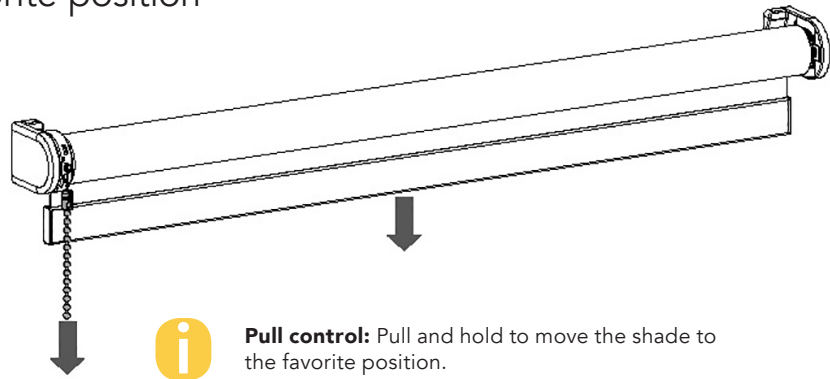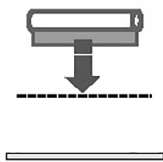
Pull control: Pull and hold to move the shade to the favorite position.
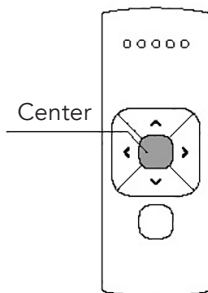
Center

Controller operation: press and hold the **center** button to move the shade to the favorite position.

16 Reset favorite position
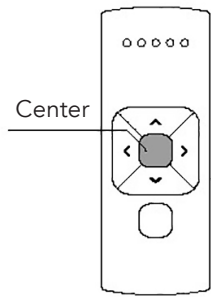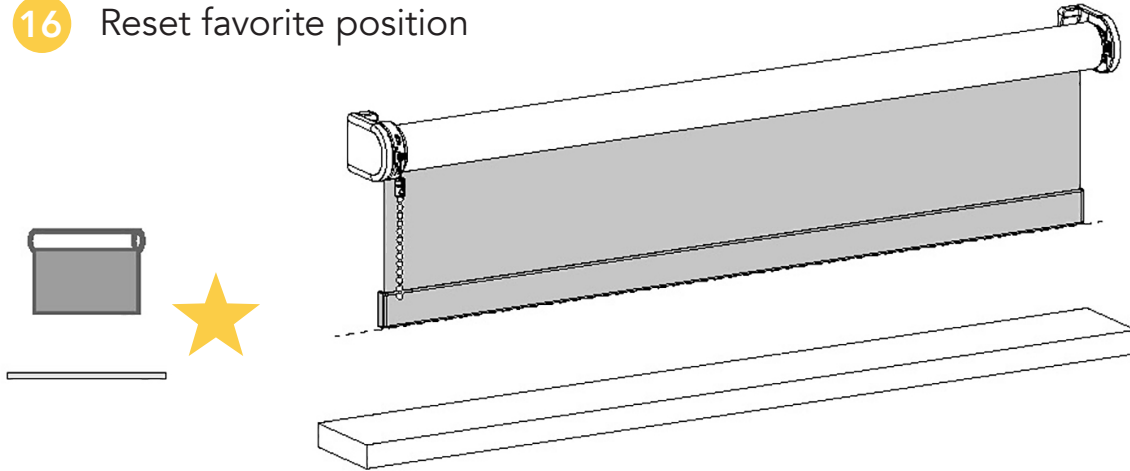
16.1 Move the shade to a desired favorite position.

16.2 Press the **program** button on the motor to activate program mode. The shade starts stepping.

16.3 Hold the **center** button to save this favorite position. The shade shortly stops stepping, indicating the favorite position has been saved successfully.

16.4 Press the **program** button on the motor to deactivate program mode. The shade stops stepping.

Center

17 Deactivate direct control

When pressing the up or down button on the controller, the shade directly moves to its end positions (direct control). To operate the shade with smaller steps using the up and down button, direct control can be deactivated. Now, the shade only directly moves to its end positions when the up or down button is held longer than two seconds.
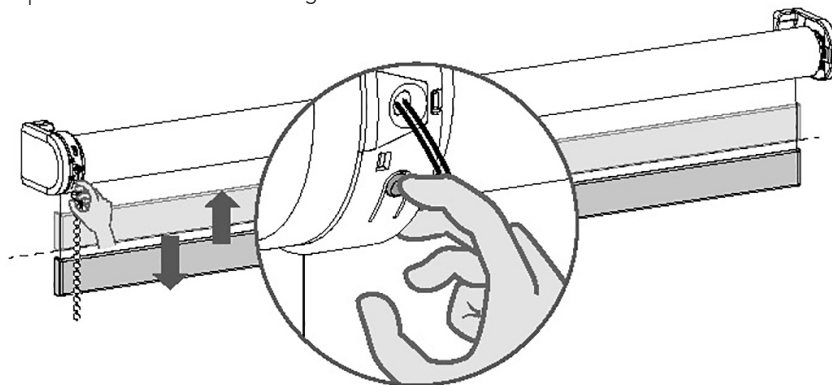
17.1 Press the **program** button on the motor to activate program mode. The shade starts stepping.

17.2 Hold the **program** button until the shade stops stepping (approximately 5 seconds) to deactivate or reactivate direct control.

18 Reset the shade

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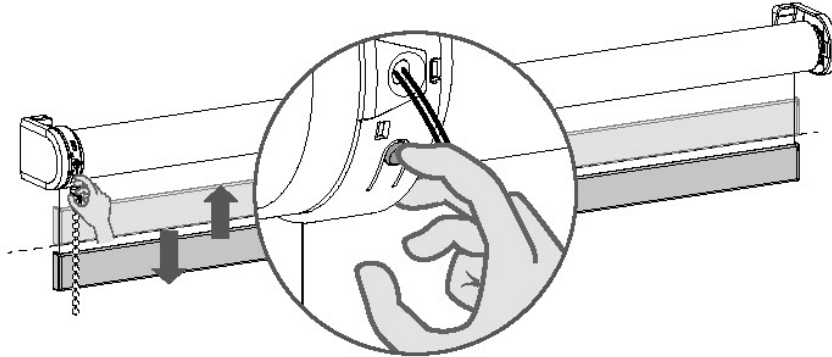
18.1 Press the program button on the motor to activate program mode.

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

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

19 Recharge the battery

Use a micro USB cable to charge the motor
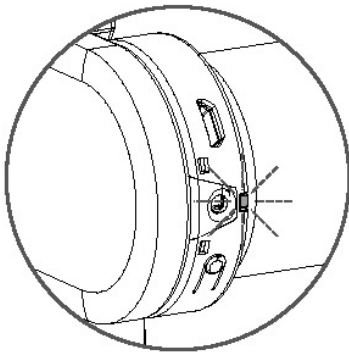
LED light flashes red during operation; Charge the battery
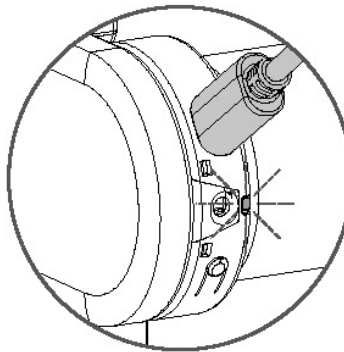
LED light flashes green; Battery is charging
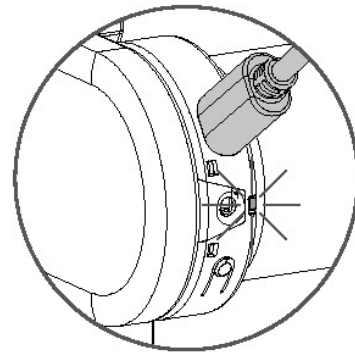
LED light constantly green; Battery is fully charged

ⓘ Advanced Options

20 Manual control

ⓘ In case there is no controller or pull control, the shade can be operated with the program button on the motor.
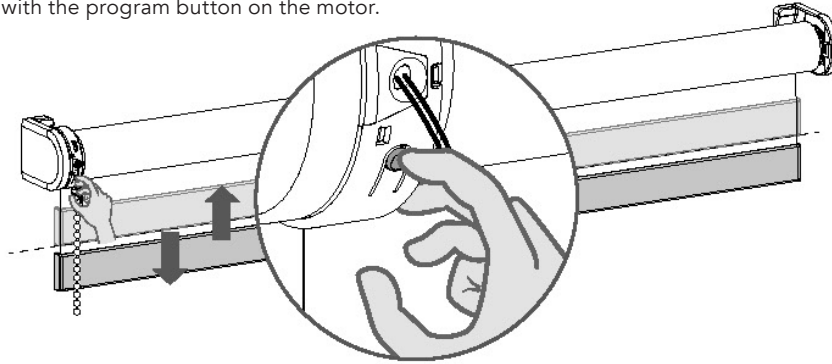
20.1 Hold the program button to manually operate the shade. The shade will move as long as the button is being pressed. (max. 15 sec.)

20.2 To move the shade in opposite direction, release the **program** button and repeat step 20.1.

---

21 Single Select (5 Channel Controller)

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

21.1 To activate Single select, simultaneously hold the **center** button and press the **pair** button.
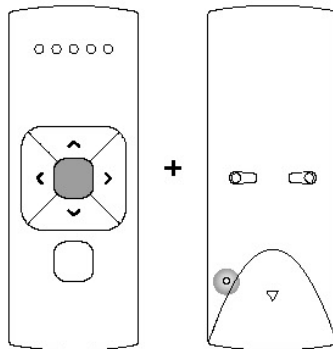
21.2 The controller starts searching for shades (search mode). This is indicated by the LEDs flashing from left to right.

21.3 Once a shade is found, the channel LED will flash and the shade starts stepping, indicating that program mode has been activated. The shade can now be (un)paired to the controller and/or programmed.
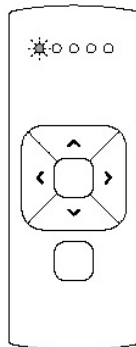
21.3 To search for the next shade, press the **right** button. Search mode will be activated. To find the previous shade, press the left button.
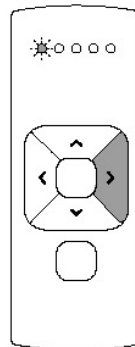
21.3 To exit Single select, press the **right** button during search mode.
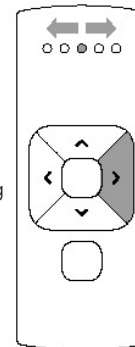
22 Single Select (15 Channel Controller)

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

22.1

To activate Single select, simultaneously hold the **center** button and press the **pair** button.
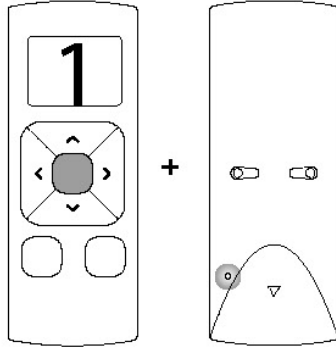
22.2

The controller starts searching for shades (search model). This is indicated by the horizontal bars on the controller.
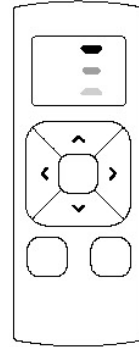
22.3

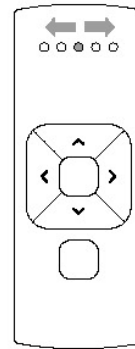Once a shade is found, the channel number will flash and the shade starts stepping indicating that program mode has been activated. The shade can now be (un)paired to the controller and/or programmed.
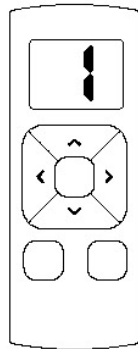
22.4

To search for the next shade, press the **right** button. Search mode will be activated. To find the previous shade, press the **left** button.
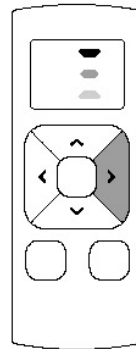
22.5

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

23 Channel Select (5 Channel Controller)

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

23.1

Select the channel from which the shades must be copied.

23.2

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

+

23.3

All shades in the selected channel will start stepping, indicating program mode has been activated. All shades can be copied to a new channel on the same controller or a different controller. Select a new channel on the (new) controller.
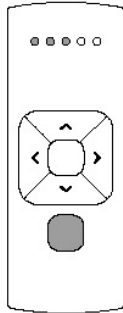
23.4

Press **program** button on the new controller to pair the shades with the new controller.
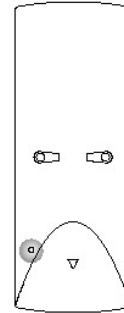
23.5

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

24 Channel Select (15 Channel Controller)

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

24.1

Select the channel you would like to copy.
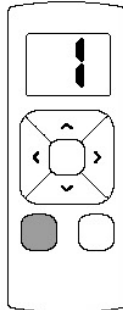
24.2

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

+
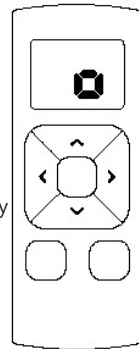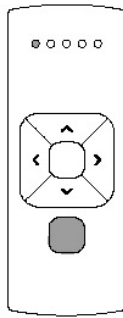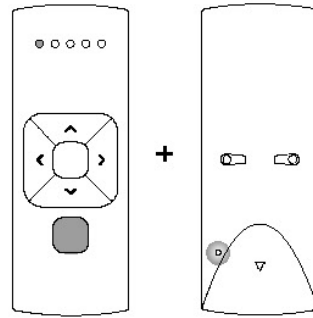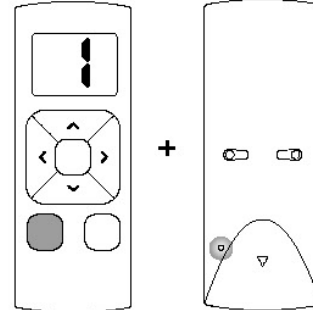
24.3

All shades in the selected channel will start stepping, indicating program mode has been activated. All shades can be copied to a new channel on the same controller or to different controllers. Select a channel on a (new) controller.
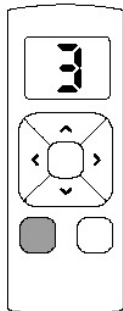
24.4

Press **program** on the (new) controller to pair the shades with the (new) controller.
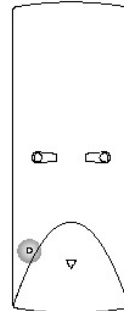
24.4

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

25 Activate/Deactivate the motor

To prevent the shade from getting damaged, the motor has a transport mode that makes sure the shade 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.

+   **or**

Frequently Asked Questions

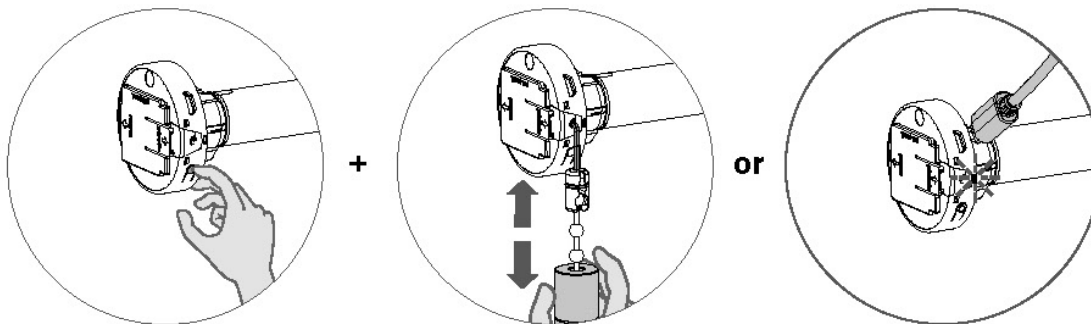| Problem	Cause	Solution
Shade does not work.	Motor is in transport mode.	Activate the motor. See step 25.
	Motor battery is empty.	Charge the motor. See step 19.
	Controller battery is empty. (LEDS of controller are flashing rapidly.)	Replace the battery in the controller. See the manual of the controller.
	Controller battery is inserted incorrectly.	Replace the battery in the controller. See the manual of the controller.
	Radio-frequency interference	Make sure that the antenna of the motor is out of the way of metal objects.
	The distance from the controller to the motor is too far.	Move closer to the motor.
	The controller is not connected to the shade.	Pair the controller with the motor. See step 6.
Motor LED flashes red.	The battery of the motor is empty.	Charge the motor. See step 19.
Shade 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 shades respond to a controller. (Unable to program a single shade)	Multiple shades are paired with a single channel.	Pair the shade with a free channel to program or use single select to program the shade.
Shade 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.
Favorite position can not be programmed.	No end limits are programmed.	Program end limits. See step 8 - 11.
Shade lowers too far.	End limits are programmed incorrectly.	Reprogram end limits. See step 8 - 11.
Shade moves in the opposite direction.	The rotational direction has been set incorrectly.	Change the rotational direction. See step 7.
Shade moves in the opposite direction.	The shade is in program mode.	Press the program button on the motor to exit program mode.

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