LEVOLOR®

Real Wood & Faux Wood Blinds

Persianas de madera real y madera de imitación

Stores en bois véritable et simili bois

INSTALLATION • OPERATION • CARE

INSTALACIÓN • FUNCIONAMIENTO • CUIDADO

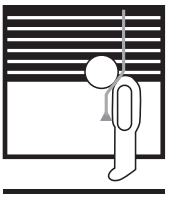
INSTALLATION • FONCTIONNEMENT • ENTRETIEN

Motorized Tilt Operation

Operación motorizada de inclinación

Inclinaison motorisée

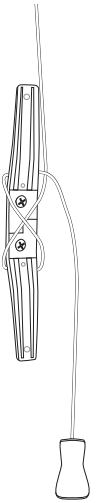
WARNING



Window Blind Cord Can STRANGLE Your Child

- **Children can strangle in the loop above the cord bead.**
- **Children can climb furniture to reach cords.**
- **Move crib and furniture away.**
- **Shorten cords to prevent reach.**
- **Keep cords separate – Twisted or knotted cords can create a loop.**
- **Keep all cords out of children's reach.**

Always wrap the cords around the cleats in a figure eight, up high, out of reach of children.



WARNING: Keep all small parts, components and packaging away from children as they pose a potential choking hazard which may result in serious injury or death. Please reference all warning tags and labels in the instructions and on the blind.

Getting Started

Installation

Operation

Uninstall

Additional Information and Support

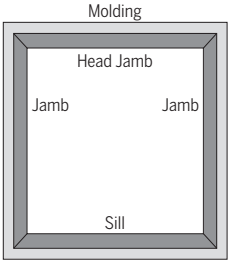
For installation support, questions, warranty information or replacement parts, visit us at **www.LEVOLOR.com**.

WINDOW AND BLIND TERMINOLOGY

Thank you for purchasing LEVOLOR® Wood Blinds. With proper installation, operation, and care, your new blinds will provide years of beauty and performance. Please thoroughly review this instruction booklet before beginning installation.

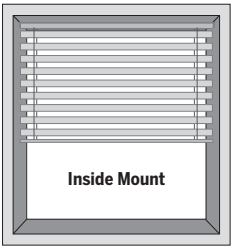
MOUNTING TYPES AND WINDOW TERMINOLOGY

If the installation brackets are mounted correctly, the rest of the installation process follows easily. To prepare for this important first step, review the mounting types and basic window terminology illustrated below.



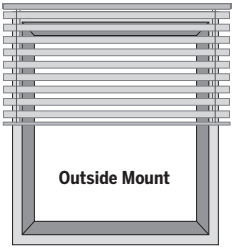
Window Components Terminology

- Collectively, the sill and jambs are called the “window casement” or "frame".



Inside Mount

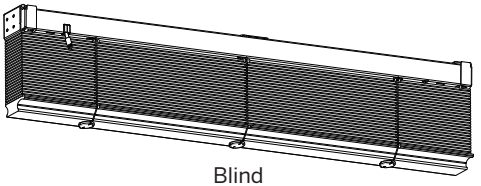
- Blind fits within window opening.
- Great for windows with beautiful trim.



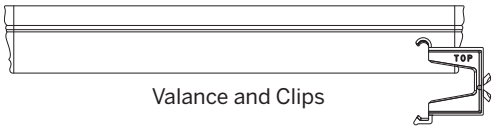
Outside Mount

- Blind mounts outside window opening.
- Increased light control and privacy.

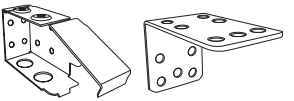
COMPONENTS INCLUDED



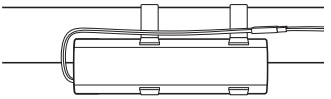
Blind



Valance and Clips

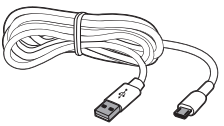


Mounting Brackets
(L bracket only required
on outside mount)

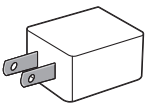


Battery and Clips

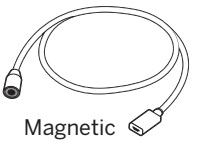
Hex Head Screws
(2 per Bracket)



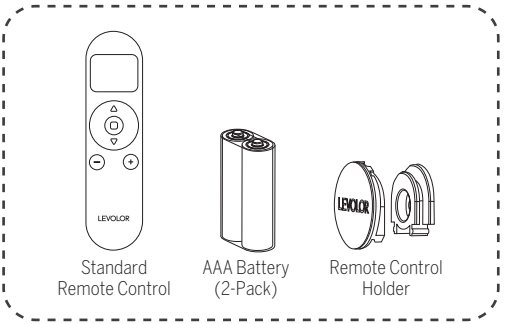
Micro-USB
Charging Cable



Power Adapter



Magnetic
Charging Adapter



Standard
Remote Control

AAA Battery
(2-Pack)

Remote Control
Holder

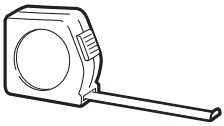
Remote Control Kit
(optional)

Hub
(optional)

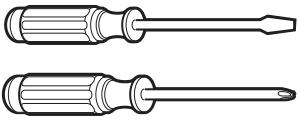
TOOLS AND FASTENERS YOU MAY NEED (not included)

The tools you will need for installing your blind will vary, depending on the installation surface and mounting bracket type.

Tools typically used for installation include:



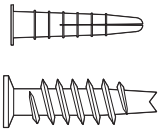
Metal Tape Measure



Screwdrivers
(both flat and Phillips head)

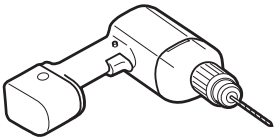
¼" Nutdriver

Safety Glasses



Drywall Anchors

Pencil



Drill with Bits

Level

Ladder

CAUTION: Use drywall anchors (not provided) when mounting into drywall. Failure to properly anchor blind could cause blind to fall, possibly resulting in injury.

INSTALLATION OVERVIEW

- Confirm the blind for proper width and length.
- If installing several sets of blinds, be sure to match them with the appropriate window.
- Check the installation surface to ensure that you have suitable fasteners and tools.
- Lay out and organize all parts and components.

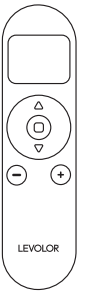
Installation Brackets		
Your order will include the correct number of installation brackets for your blind width, as shown in the table below.		
	Number of Brackets per Blind	
Blind Width (inches)	End Brackets	Support Brackets
Up to 48	2	0
48 to 84	2	1
84 to 96	2	2
96 to 144	2	3

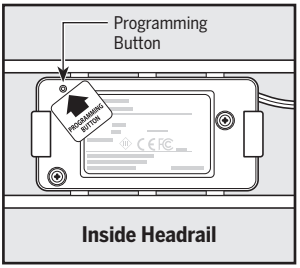
INSIDE MOUNT (IM) – BEFORE YOU BEGIN

PAIR SHADE BEFORE INSTALLING

REMOTE CONTROL

- Use the **–** and **+** buttons to select the channel.
- Use a paperclip to press and hold the programming button inside the headrail for about 2 seconds until the blind jogs once.
- In the next 10 seconds, press and hold the stop button ◘ on the remote until the blind jogs twice.

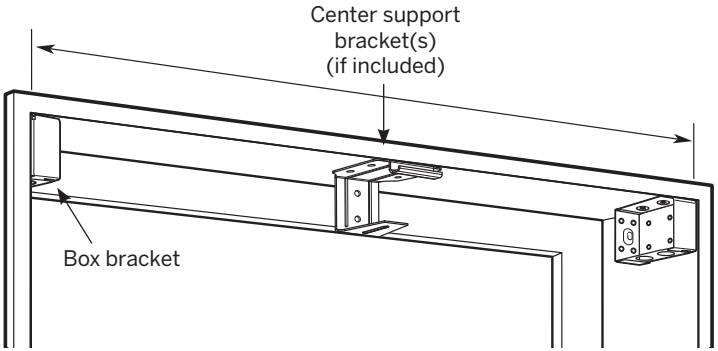




USING THE INMOTION APP

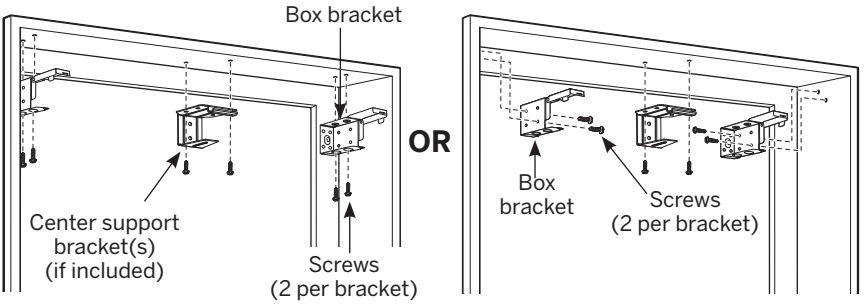
- If you purchased a hub, download the LEVOLOR InMotion™ app to get started.
- Blind can be directly paired to app, but it is recommended to pair to remote first.

INSIDE MOUNT (IM)



STEP 1: MARKING THE BRACKET LOCATIONS

- Position the box brackets at each end of the headrail to confirm the dimension. Depending on installation location, box brackets can be attached using the top, back, or the side holes.
- Position the center support bracket (if included) in the center, if using only one. If more than one center support bracket is included, space them evenly along the headrail.
- Mark the location of the desired bracket mounting holes, two per bracket, making sure they are square and equally spaced.

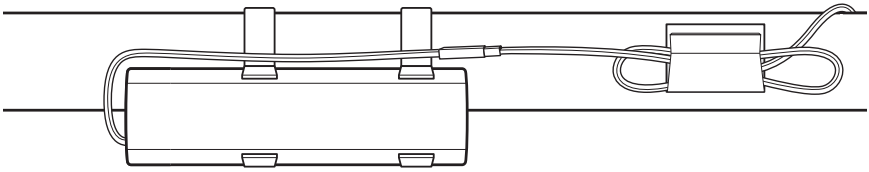


STEP 2: INSTALLING THE BRACKETS

- Drill pilot holes using a 1/16" drill bit using pencil marks as a guide. Depending on the installation location, box brackets can be attached using the top, back, or side holes.
- While holding the brackets in place, secure the brackets using two screws per bracket.
- Ensure all brackets are square with each other.

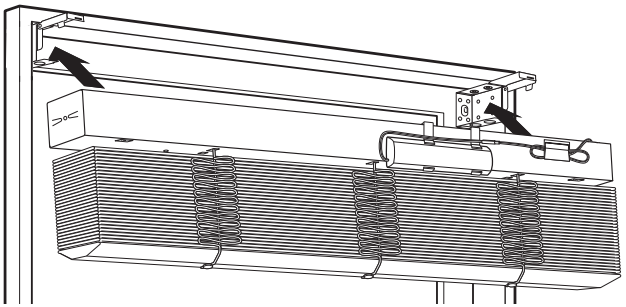
INSIDE MOUNT (IM)

Finished battery installation shown



STEP 3: BATTERY INSTALLATION

- Attach battery clips to headrail as indicated by “Clip Here” stickers.
- Snap battery pack into clips with the wire on the left side.
- Connect battery to motor cable. Loop excess cords into clip on headrail.

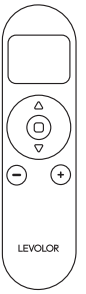


STEP 4: INSTALLING THE BLIND

- Align the headrail and valance with the brackets and slide the headrail straight back into the brackets.
- If the headrail can slide from side to side in the box brackets, use a flat-head screwdriver to bend out the tabs on the ends of the headrail until it is snug.
- If center support bracket(s) are included, hook the front edge of the headrail into the channel on the bracket.
- Lower the front of each box bracket and press until the locking tab clicks into place.

CAUTION: Be sure the brackets are properly engaged before operating the blind. Failure to do so may result in the shade falling and possible injury.

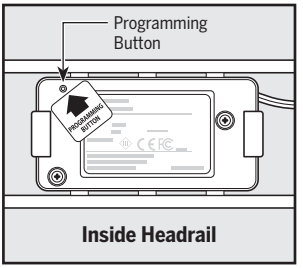
OUTSIDE MOUNT (OM) – BEFORE YOU BEGIN



PAIR SHADE BEFORE INSTALLING

REMOTE CONTROL

- Use the **–** and **+** buttons to select the channel.
- Use a paperclip to press and hold the programming button inside the headrail for about 2 seconds until the blind jogs once.
- In the next 10 seconds, press and hold the stop button ◘ on the remote until the blind jogs twice.



USING THE INMOTION APP

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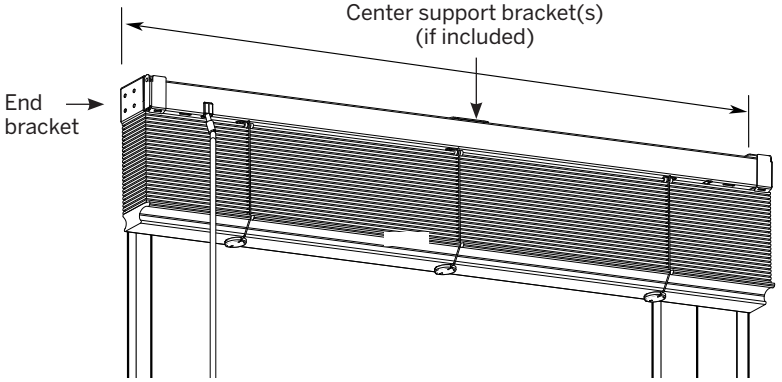
OUTSIDE MOUNT (OM)

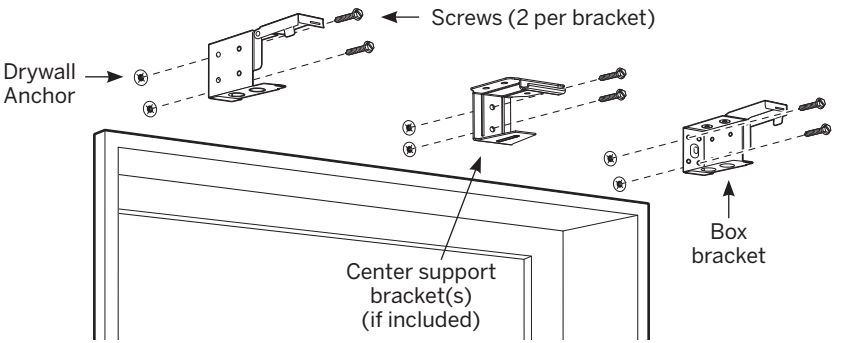


STEP 1: MARKING THE BRACKET LOCATIONS

IMPORTANT: The brackets must be flush against a flat mounting surface. Do NOT mount brackets on curved molding.

- Position the box brackets at each end of the headrail
- Position the center support bracket (if included) in the center if using only one. If more than one center support bracket is included, space them evenly along the headrail.
- Use a level to ensure all brackets are even and aligned. Mark the bracket mounting hole locations, two per bracket, making sure they are square and equally spaced.

OUTSIDE MOUNT (OM)

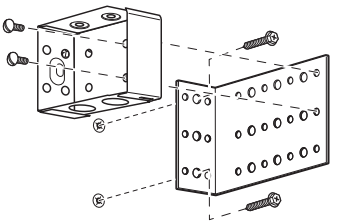


STEP 2: INSTALLING THE BRACKETS

- Drill pilot holes using a 1/16" drill bit using pencil marks as a guide.
- While holding the brackets in place, secure the brackets using two screws per bracket.
- Use a level to ensure all brackets are even and square with each other.

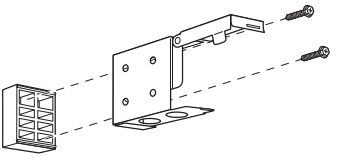
EXTENSION BRACKETS (optional)

- Optional extension brackets offers clearance for obstructions.
- Outside mounting extension brackets will provide 2–4" clearance between the headrail and mounting surface. Assemble extension bracket as shown.
- Secure an extension bracket to each standard mounting bracket.



SPACER BLOCKS (optional)

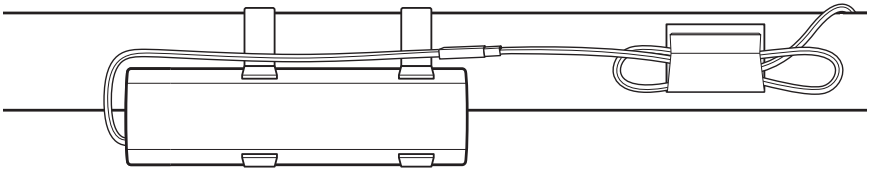
- Outside mounting spacer blocks will provide an additional 3/8" clearance as shown.
- If spacers are used, longer screws may be required to ensure a secure installation (not provided).



CAUTION: Do not use more than one spacer block. Using more than one spacer block could cause blind to fall resulting in possible injury.

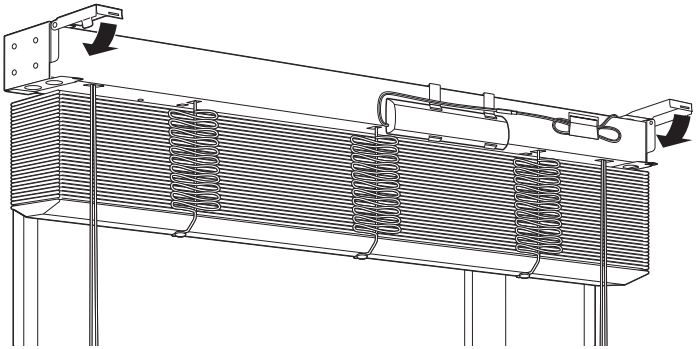
OUTSIDE MOUNT (OM)

Finished battery installation shown



STEP 3: BATTERY INSTALLATION

- Attach battery clips to headrail as indicated by “Clip Here” stickers.
- Snap battery pack into clips with the wire on the left side.
- Connect battery to motor cable. Loop excess cords into clip on headrail.



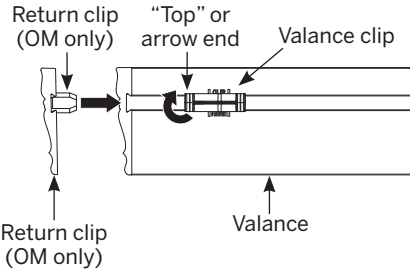
STEP 4: INSTALLING THE BLIND

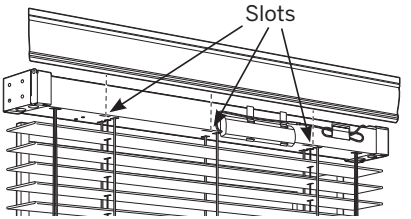
- Align the headrail with the brackets and slide the headrail straight back into the brackets.
- If the headrail can slide from side to side in the box brackets, use a flat-head screwdriver to bend out the tabs on the ends of the headrail until it is snug.
- If center support bracket(s) are included, hook the front edge of the headrail into the channel on the bracket.
- Lower the front of each box bracket and press until the locking tab clicks into place.

CAUTION: Be sure the brackets are properly engaged before operating the blind. Failure to do so may result in the shade falling and possible injury.

VALANCE INSTALLATION

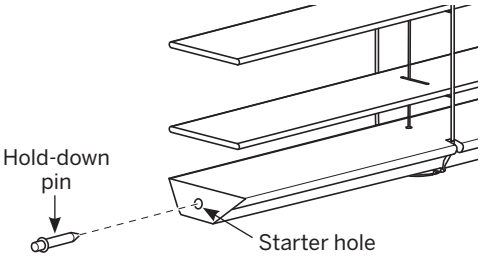
- Locate the valance clip location indicators on the backside of the valance that read "Clip Here."
- Insert the clips into the groove on the backside of the valance. Rotate so that the end marked "TOP" arrow is pointing up.
- For returns, insert L-shaped return clip into the groove on the backside of the valance return. Align and insert the other end of the L-shaped return clip into the groove on the backside of the valance.
- Align the clips with the slots on the bottom of the headrail and clip into place.

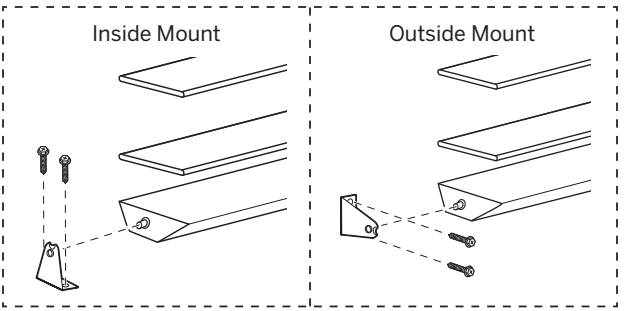




HOLD-DOWN BRACKETS INSTALLATION (optional)

- Ideal for doors, hold-down brackets prevent blind from swaying. Assemble as shown to each side of bottom rail.



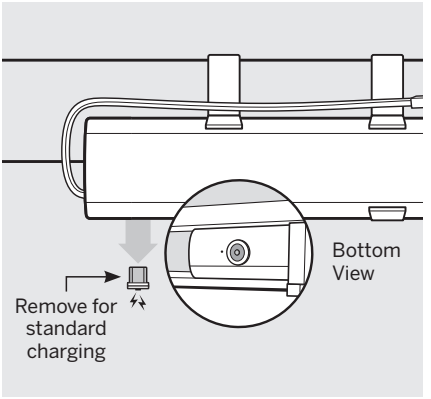


REMOTE OPERATION

- Scan for remote guide.

BATTERY CHARGING

- The rechargeable battery mounts between the headrail and valance.
- For easier access to the charging port, a removable magnetic charging insert has been installed during production. Attach the magnetic charging adapter to the micro-USB charging cable and power adapter before connecting to battery to charge.
- For standard charging, remove the magnetic charging insert from the battery. Use the micro-USB charging cable and power adapter to charge battery.
- Indicator light battery status:
  - Low (red flash)
  - Charging (green flash)
  - Charged (green solid)
- It is recommended to fully charge battery prior to first use.



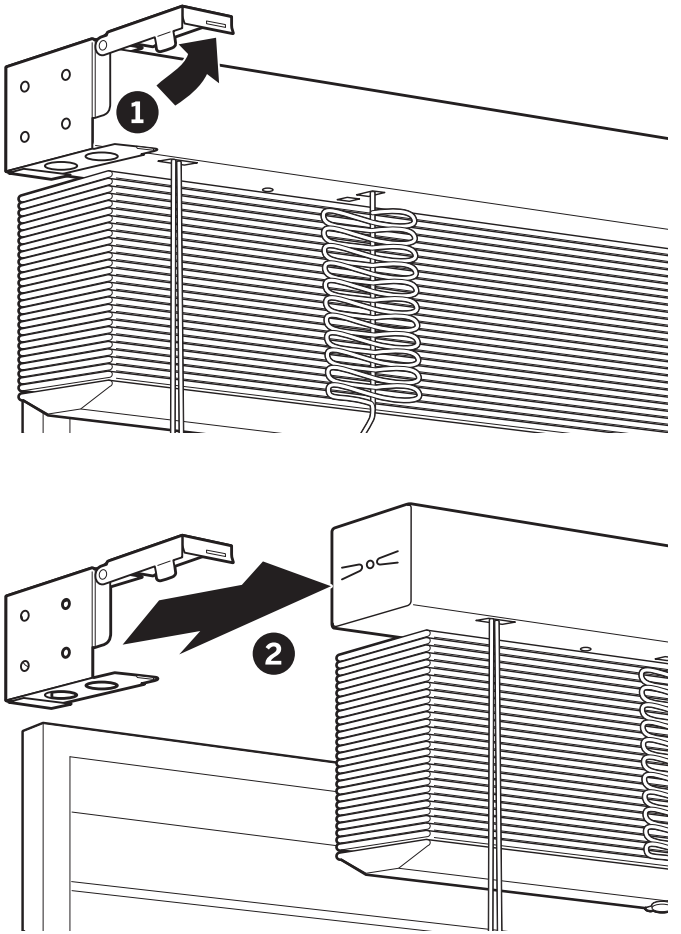
LIFT OPERATION

NOTE: Lift control may be corded or cordless depending on what was selected when ordering.

- Corded Lift: To raise the blind, pull cord in toward the center of the blind to release the lock; this allows you to raise and lower the blind. Once the blind is at the desired height, pull the cord away from the center to lock into position.
- Cordless Lift: To raise the blind, firmly press and hold the LEVOLOR button located on the bottom rail and lift the blind to the desired height. Once the desired position is reached, release grip on the button to lock blind in place.

REMOVING THE BLIND

- Fully raise the blind. Remove valance from headrail.
- Unplug battery from motor and remove from clips.
- Unlock and lift the front clips of each end box bracket and slide the headrail out of the brackets.
- If center support brackets are used, lift the front of the headrail up to clear the channel of the bracket and slide out forward.
- Uninstall remaining brackets if necessary.



CAUTION: Hold blind firmly when removing. Failure to do so may result in the blind falling and possible injury.

CLEANING PROCEDURES

Keep your LEVOLOR® Wood and Faux Wood blinds looking their best by periodically wiping them with a soft cloth, a duster, or the brush attachment from a vacuum cleaner.

NOTICE: Avoid contact with window cleaning products. Improper cleaning may void warranty.

DUSTING

Use a feather duster for regular cleaning.

FORCED AIR

Blow away dirt and debris using clean compressed air.

VACUUMING

Use a low suction vacuum with a brush-type cleaner attachment; stroke lightly over the shade to clean.

SPOT-CLEANING/STAIN REMOVAL AT HOME

Faux Wood blinds only. You may use a soft, lightly dampened cloth to clean your Faux Wood blinds.

WARRANTY

For complete warranty information visit LEVOLOR.com or call Customer Service at 1-800-LEVOLOR or 1-800-538-6567.

CONTACTING US

To contact LEVOLOR Customer Service regarding any questions or concerns you may have about your new shades, you may reach us at: 1-800-LEVOLOR (9:00 am – 6:00 pm EST).

www.LEVOLOR.com

ADDITIONAL PARTS AND SERVICES

Additional or replacement parts can be ordered, or shades can be repaired or restrung through our repair center. Please contact LEVOLOR customer service through **www.LEVOLOR.com** for a return authorization number.

LEVOLOR®

InMotion™ Motorization

Solar Panel Installation and Reference Guide

DECLARATIONS

U.S. Radio Frequency FCC Compliance

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.

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 in a residential installation. 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. However, there is no guarantee that interference will not occur in a particular installation. 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 separation between the equipment and receiver.
- Connect the equipment into 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.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

ISED RSS Warning:

This device complies with Innovation, Science and Economic Development Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

SAFETY INSTRUCTIONS

ATTENTION: IMPORTANT SAFETY INSTRUCTION TO BE READ BEFORE INSTALLATION:

- Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- Incorrect installation can lead to serious injury and will void manufacturer's liability and warranty.

IMPORTANT SAFETY INSTRUCTIONS TO BE READ PRIOR TO OPERATION:

- It is important for the safety of persons to follow the enclosed instructions. Save these instructions for future references.
- Persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience or knowledge should not be allowed to use this product.
- Keep Solar Panel away from children.
- Frequently inspect for improper operations. Do not use if repair or adjustment is necessary.

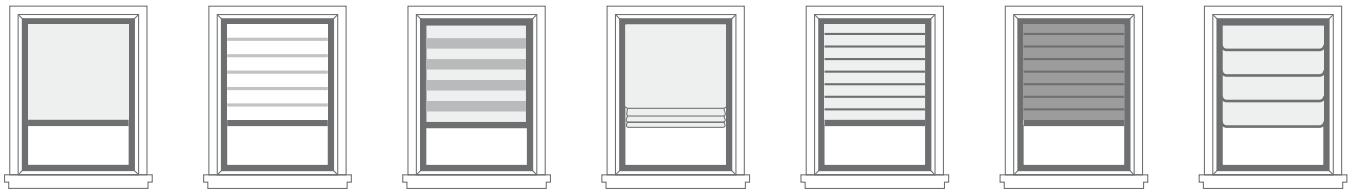
IMPORTANT SAFETY INSTRUCTIONS:

- Do not expose motor to moisture or extreme temperature.
- Do not allow children to play with this device.
- Use or modification outside the scope of this instruction manual will void warranty.
- Installation and programming to be performed by a suitable quality installer.
- For use with Li-ion motors and rechargeable battery packs only.
- Do not cut power cables.
- NOT suitable for exterior application.
- Do not drill into motor body or solar panel body.
- The routing of cable through walls shall be protected by isolating bushing or grommets.
- Ensure power cable is clear and protected from moving parts.
- If cable or power connector is damaged do not use.

Do not dispose of in general waste.
Please recycle batteries and damaged electrical products appropriately.

INMOTION™ SOLAR PANEL OVERVIEW

AVAILABLE PRODUCTS



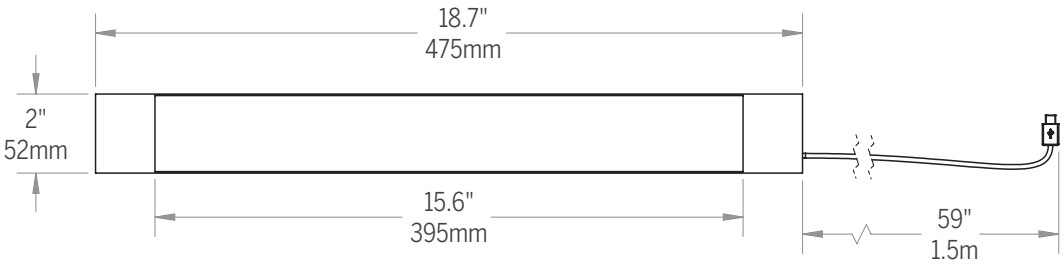
Roller Shades | Sheer Shadings | Banded Shades | Natural Woven | Cellular Shades | Wood/Faux Tilt-Only | Roman Shades

SPECIFICATIONS

Working Voltage (Vm):	5V
Open circuit voltage (Voc):	6.3V
Short-circuit current (Isc):	659mA
Working current (Im):	606mA
Max. Output Power (Under 1000W/m2):	3W

Electrical performance tolerance:	voltage ± 10%; current ± 10%
International solar energy inspection standards:	solar radiation 1000W/m2; 1.5 Air Mass; humidity 25° C
Electricity requirements (each solar panel includes solar battery cells):	conversion efficiency 21%; open circuit voltage (Voc) 6.3V
IP Rating:	IP55
Temp Working Range:	14°F to 122°F (-10°C to 50°C)

DIMENSIONS



SOLAR PANEL PARTS

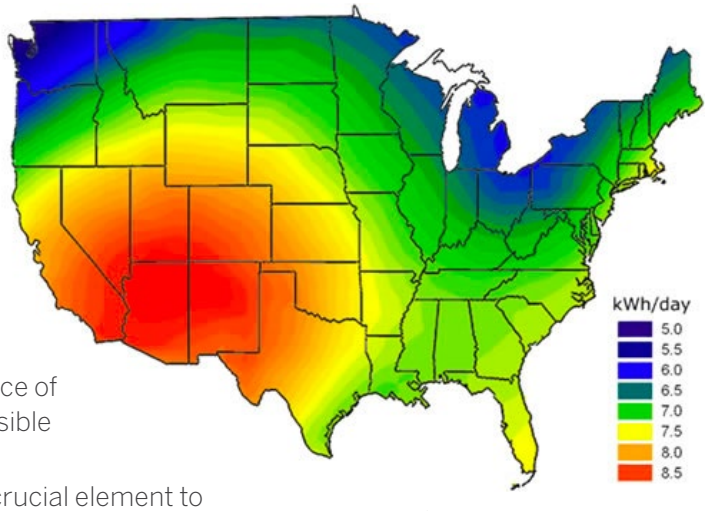
1. Solar Panel
2. Cable: Male Micro USB (compatible with all InMotion™ rechargeable battery products)
3. VHB™ Installation tape (Recommended method)
4. Metal "L" Installation Bracket (Alternative method)
5. Screws and Anchors (x4pcs)

BEFORE INSTALLATION – WHAT YOU NEED TO KNOW

CONSIDER THE GEOGRAPHIC LOCATION OF THE INSTALLATION

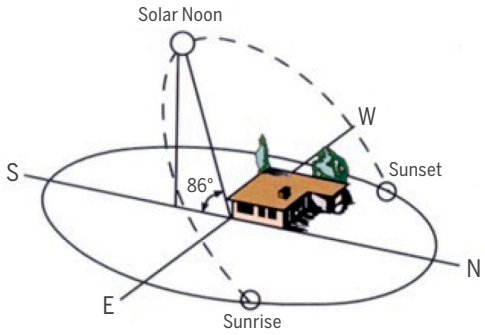
Understanding the sun's motion relative to a site is a crucial element to predict the solar panel performance. In other words, a solar panel located in Texas will harvest more energy than a unit installed in Canada (considering both facing south, using similar window). The same can be said between Summer and Winter harvest performance.

As a main recommendation, installations on northern areas are recommended only for small and middle size shades (up to 48" x 60"), with up to one cycle per day. More aspects affect the performance of solar panels and should be considered, not being possible a "one size fits all" approach.

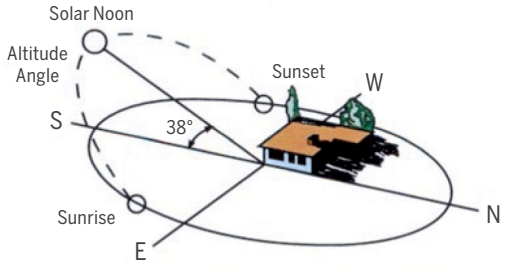


Source: http://www.fsec.ucf.edu

Understanding the sun's motion relative to a site is a crucial element to predict the solar panel performance. A solar panel located in Texas will harvest more energy than a unit installed in Canada (considering both facing south, using similar window).



Suns path on Summer solstice at a southern latitude



Suns path on Winter solstice at a southern latitude

The Solar Panel may not be a good fit for every window. In the summer, the sun rises higher in the sky than in the winter months. The further north, the lower the midday winter sun will be. Due the sun position, Solar panels installed facing north produce 4 times less energy than a device installed facing south. For this reason, we do no recommend the use of solar panel on windows facing North.

	Summer Performance	Winter Performance
South Face	100%	70%
West Face	95%	90%
East Face	90%	70%
North Face	60%	25%

BEFORE INSTALLATION – WHAT YOU NEED TO KNOW

DEFINE THE BEST LOCATION TO INSTALL

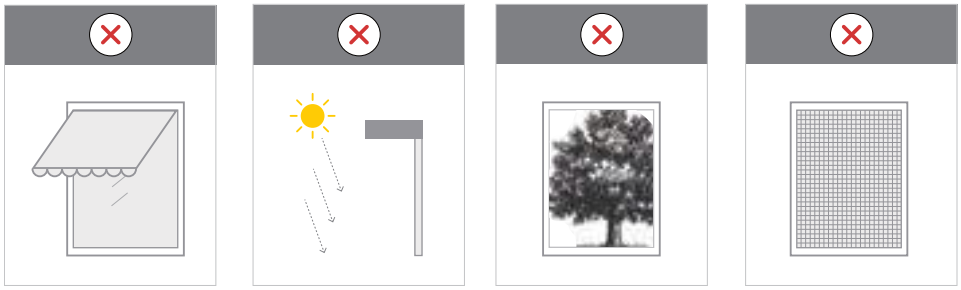
The solar panel is designed for indoor use only. To maximize the performance of the solar panel, it should be installed as close as possible to the window glass, allowing as much natural light as possible to reach the panel.

Important

Any element between the Sun light and the solar panel will impact the charging time, and in some situations, prohibit the use of a solar panel. Overcast weather is an example of possible obstruction that impossible to predict or control, but there are other elements that we should consider before installing a solar panel, like:

- Awnings
- Trees
- Deep Eaves
- Tall buildings and walls
- Insect Screen
- Others

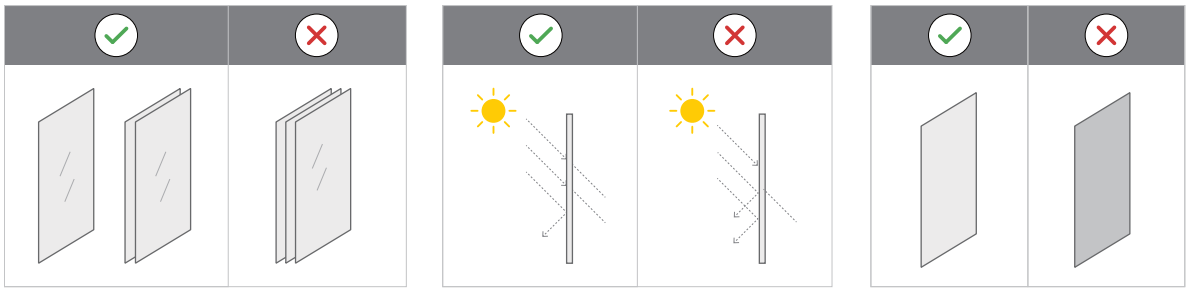
Do Not Use Solar Panel Under Below Conditions



Awnings | Deep Eaves | Vegetation Blocking Light | Insect Screen

Other elements are not so obvious but can make it difficult to use a solar panel. The solar panel will have a low performance when installed on locations with:

- Tinted windows
- High performance glass (also known as energy efficiency glass)
- Multi panel glass
- Any window with treatment that reduces the light transmission below 65%
- Window dividers overlapping solar panel



Single or Double Pane **OK** | Light Transmission **>65%** | Clear | Tinted

BEFORE INSTALLATION – WHAT YOU NEED TO KNOW

HOW EFFICIENT WILL MY SOLAR PANEL PERFORM?

There is no direct answer for this question. Beside all the elements already described that impact how much energy will be harvested from the sun, there is also the question of how fast the energy will be drained by the shade itself due to:

- Shade composition (fabric weight)
- Number of cycles per day
- Size of shade (how long the motor will run per cycle)

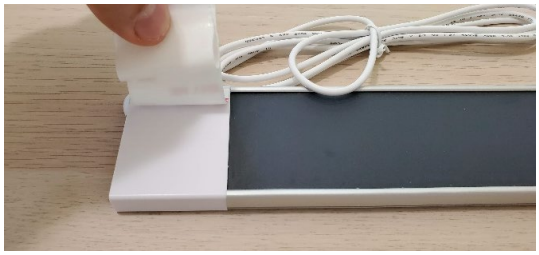
The answer for these questions should be considered to evaluate if the solar panel is the best fit for the application.

INMOTION™ SOLAR PANEL INSTALLATION GUIDE

The solar panel must always be install indoors, directly against the window glass to allow as much natural light as possible to reach the panel. For your convenience, the solar panel can be installed using VHB™ installation tape (recommended method) or Metal "L" Installation Bracket (alternative method).

INSTALLATION USING PROVIDED INSTALLATION TAPE

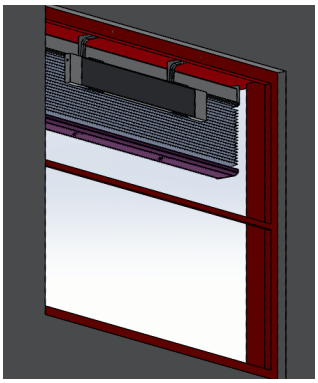
First, clean solar panel corners and window area using alcohol and a cloth pad. Let dry for a few minutes. On a flat surface, place the solar panel facing up and carefully apply the VHB™ installation tape on both sides of the solar panel.



Remove the "face" of the applied adhesive. Position the solar panel facing to outdoors, then press entire panel with firm, even pressure into the glass for 10–15 seconds. The panel is now supported by the adhesive to glass bond but will require 24 hours of cure time to allow full strength characteristics. Do not disturb during this period.

ATTACHING "L" INSTALLATION BRACKET TO WINDOW FRAME

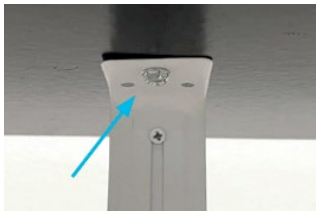
The "L" installation bracket is provided as an option when an installation direct on the glass is not possible. A common application is to mount the "L" Bracket on the window frame – either top mount or side mount. Ensure the Solar panel and it's bracket are not blocking the free movement of the bottom rail.



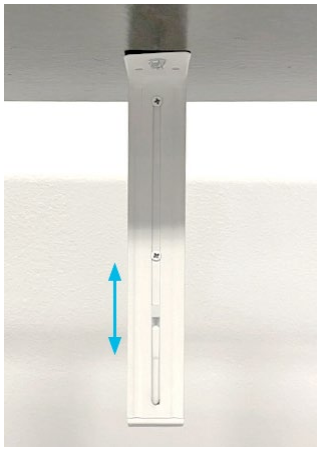
Top Mount

Side Mount

First, install the mounting bracket to wall/mounting point using the screws provided.



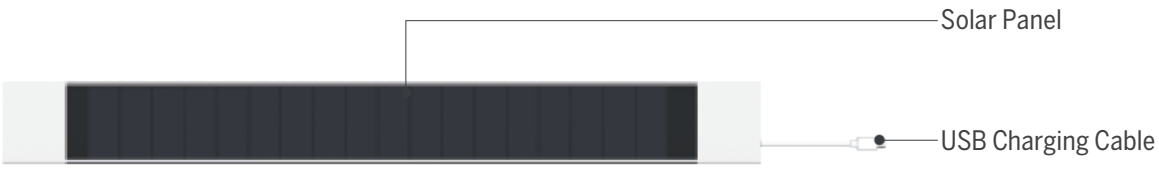
Next, adjust the bracket length by lengthening or shortening the "extendable" bracket with the 2 screws.

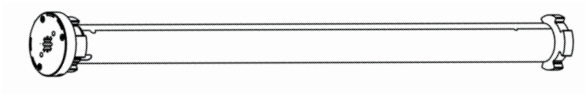


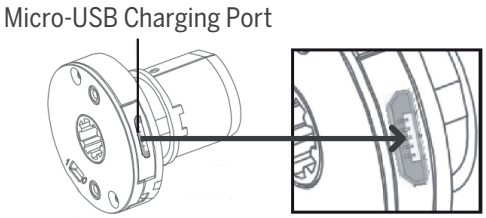
Finally, attach the solar panel into the installation bracket, position the bracket in the center of the solar panel.

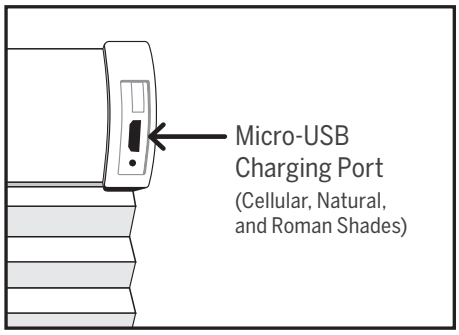
INMOTION™ SOLAR PANEL INSTALLATION GUIDE

CONNECT WITH BUILT IN RECHARGEABLE BATTERY MOTOR









TROUBLESHOOTING

Issues	Possible Causes	Solution
The motor has no response	Battery in motor is depleted	Recharge with compatible charger and check connection and positioning of solar panel
	Insufficient charging from solar panel	Check connection and orientation of solar PV panel
	Remote control battery is discharged	Replace battery
	Battery is inserted incorrectly into remote control	Check battery polarity
	Radio interference/shielding	Ensure remote control and the antenna on the motor are positioned away from metal objects
	Motor/receiver distance is too far from remote control	Move remote control to a closer position
	Power failure	Check power supply to motor is connected and active
	Incorrect wiring	Check that wiring is connected correctly (refer to motor installation instructions)
Motor beeps 10 times when in use	Battery voltage is low/PV (solar panel issue)	Recharge with charger or check connection and positioning of solar panel

LEVOLOR®

InMotion™ Motorization

SURFACE MOUNTED WALL SWITCH

PROGRAMMING AND USERS GUIDE

SPECIFICATIONS

Voltage	3V (CR2430)
Radio Frequency	433.92 MHz Bi-directional
Transmitting Power	10 milliwatt
Operating Temperature	14°F to 122°F (-10°C to 50°C)
RF Modulation	FSK
Lock Function	Yes
IP Rating	IP20
Transmission Distance	up to 200m (outdoor)

SAFETY INSTRUCTIONS

1. Do not expose motor to humid, damp, or extreme temperature conditions.
2. Do not drill into motor.
3. Do not cut the antenna. Keep it clear from metal objects.
4. Do not allow children to play with this device.
5. If the power cable or connector is damaged, do not use.
6. Ensure the power cable and antenna are clear and protected from moving parts.
7. Cable routed through walls should be properly isolated.
8. Motor should be mounted in horizontal position only.
9. Before installation, remove unnecessary cords and disable equipment not needed for powered operation.

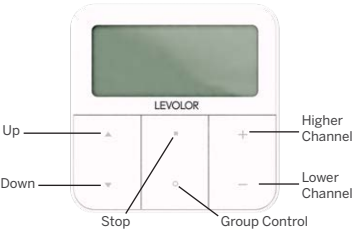
Li-ion

Do not dispose of in general waste.
Please recycle batteries and damaged electrical products appropriately.

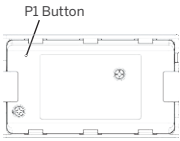
WALL SWITCH OVERVIEW

Please read prior to installation and use. Save these instructions for future reference.

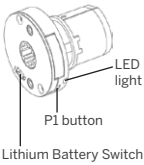
BUTTON INSTRUCTIONS



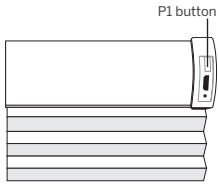
Battery Compartment (cover removed)



HORIZONTAL BLIND TILT



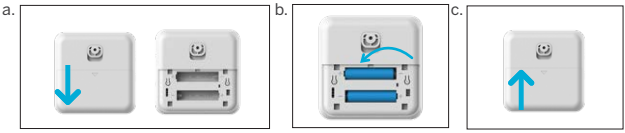
ROLLER / SHEER BANDED



CELLULAR / NATURAL / ROMAN SHADES

REPLACING THE BATTERY

a. Gently press down the cover and slide it down.
b. Install 2 AAA batteries with the + and – ends facing correctly.
c. Slide the cover back onto the backside.



ADVANCED SETTING - DISABLE LIMIT SETTING

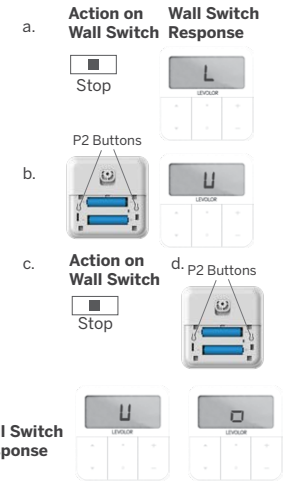
a. Press and hold "Stop" button more than 15s. Wall Switch will show "L" (lock).

b. In the next 10s, press one "P2" button on the back of Wall Switch. Wall Switch will show "o", then the Wall Switch switches to "Lock" mode to disable the following commands:
- Change Motor Direction
- Setting the Upper and Lower Limit
- Adjust Limit
- Roller Mode or Sheer Mode

c. Press and hold "Stop" button more than 15s. Wall Switch will show "U" (unlock).

d. In the next 10s, press one "P2" button on the back of Wall Switch. Wall Switch will show "o". The Wall Switch now switches to "Unlock" mode, you can access all control functions.

*This advanced feature is intended to be used after all shade programming is completed. User Mode will prevent accidental or unintended changing of limits.



DECLARATIONS

U.S. Radio Frequency FCC Compliance

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.

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 in a residential installation. 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. However, there is no guarantee that interference will not occur in a particular installation. 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 separation between the equipment and receiver.

• Connect the equipment into 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.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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QUICK INDEX

	Settings	Steps
1	Pairing	P1 (hold for 2s) > Stop (hold for 2s)
2	Switch Rotating Direction	Up + Down (hold for 2s)
3	Set Upper/Lower Limits	Upper Limit: Up (hold for 2s) > Up + Stop (hold for 2s) Lower Limit: Down (hold for 2s) > Down + Stop (hold for 2s)
4	Add/Remove Fav. Position	P2 > Stop > Stop
5	Roller/Sheer Mode Switch	Up + Down (hold for 5s) > Stop
6	Adjusting the Limits	Upper: Up + Stop (hold for 5s) > Up or Dn > Up + Stop (hold for 2s) Lower: Dn + Stop (hold for 5s) > Up or Dn > Dn + Stop (hold for 2s)
7	Add/Remove a Remote	P2 (existing) > P2 (existing) > P2 (new)
8	Speed Regulation	Increase Motor Speed: P2 > Up > Up Decrease Motor Speed: P2 > Down > Down

TROUBLESHOOTING

Problem - The motor has no response

Cause	Solution
Battery in motor is depleted	Recharge with compatible AC adaptor and check connection and positioning of solar panel
Insufficient charging from Solar Panel	Check connection and orientation of solar panel.
Wall switch battery is discharged or not installed properly	Replace battery or check placement.
Radio interference/shielding	Ensure wall switch and the antenna on the motor are positioned away from metal objects.
Receiver distance is too far	Move wall switch to a closer position.
Power failure	Check power supply to motor is connected/active.
Incorrect wiring	Check that wiring is connected correctly.

Problem - The Motor beeps 10 times when in use

Cause	Solution
Battery voltage is low/Solar Panel Issue	Recharge with AC adapter or check connection and positioning of solar PV panel

Problem - Cannot program a single motor (multiple motors respond)

Cause	Solution
Multiple Motors are paired to the same	Always reserve a channel for programming. BEST PRACTICE - Provide an extra 15 channel remote in your multi-motor projects for individual control and programming purposes To work on a single motor at a time, place all other motors into sleep mode. Press the "P1" button (about 6 sec) on the motor head until motor jog x2 and beep x2.

CHANNEL OPTIONS

SELECT A CHANNEL

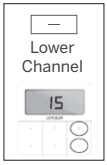
a. Press "-" button on the wall switch to select a lower channel.

b. Press "+" button on the wall switch to select a higher channel.

Action on Wall Switch

Wall Switch Response

a.



b.

HIDE UNUSED CHANNELS

a. Press and Hold (about 3 sec) **"-" and "+"** buttons simultaneously until wall switch displays "C" (channel).

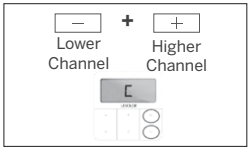
b. Press **"-" or "+"** button to select required quantity of channel (between 1 to 15).

c. Press **"Stop"** button to confirm selection (the example shows a 5-channel selection). The LED will display "O" (OK) once to confirm selection.

Action on Wall Switch

Wall Switch Response

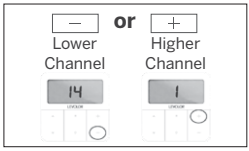
a.



Action on Wall Switch

Wall Switch Response

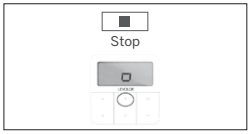
b.



Action on Wall Switch

Wall Switch Response

c.



GETTING STARTED

It is important to confirm that the motor is awake and ready to receive programming. To do this, press "P1" button on the motor less than 1 sec, to activate the motor from Sleep Mode.

1. PAIR / UNPAIR WALL SWITCH

***Cellular, Natural, Roman Shades, and Horizontal Blind Motors DO NOT BEEP.**

a. Press **"P1" button** (about 2 sec) on the motor head until motor jog x1 and beep x1.

b. In the next 10 secs, press and hold **"Stop"** button on the wall switch until motor jog x2 and beep x3.

* Repeat the same procedure to unpair wall switch.

Action on Motor

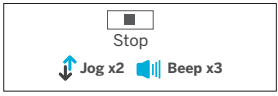
Motor Response

a.

Action on Wall Switch

Motor Response

b.



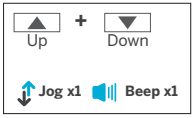
2. CHANGE MOTOR DIRECTION (IF NECESSARY)

Press **"Up"** or **"Down"** button to check if the shade moves in the desired direction.

If you need to reverse the direction, press and hold (about 2 sec) **"Up" and "Down"** buttons simultaneously until motor jog x1 and beep x1.

Action on Wall Switch

Motor Response



*The operation is only valid when there are no limits. If the motor has already set the upper and lower limit, then you can only switch direction by pressing **"P1"** button (about 10 sec) on the motor head until motor jog x3 and beep x3.

3. SETTING THE UPPER AND LOWER LIMITS

SET UPPER LIMIT

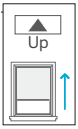
a. Press **"Up"** button to raise the shade, then press **"Stop"** button when it is in the desired upper limit.

b. Press and hold (about 5 sec) **"Up" and "Stop"** buttons simultaneously until motor jog x2 and beep x3.

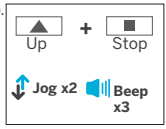
Action on Wall Switch

Motor Response

a.



b.



SET LOWER LIMIT

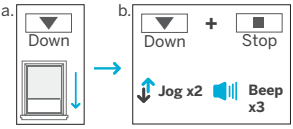
a. Press **“Down”** button to lower the shade, then press **“Stop”** button when it is in the desired lower limit.

b. Press and hold (about 5 sec) **“Down” and “Stop”** buttons simultaneously until motor jog x2 and beep x3.

*If you exit the limit setting status before you finish the limit settings, the motor will take the previous existing limits.

Action on Wall Switch

Motor Response



Factory Mode Complete
User Mode Begins

4. ADJUST LIMITS

ADJUST THE UPPER LIMIT

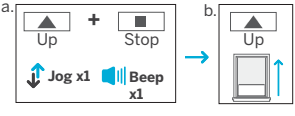
a. Press and hold (about 5 sec) **“Up” and “Stop”** buttons simultaneously until motor jog x1 and beep x1.

b. Use **“Up”** button to raise the shade to the desired highest position, and use **“Up” or “Down”** button to do the final adjustment if necessary.

c. Press and hold (about 5 sec) **“Up” and “Stop”** buttons simultaneously until motor jog x2 and beep x3.

Action on Wall Switch

Motor Response



Action on Wall Switch

Motor Response

ADJUST THE LOWER LIMIT

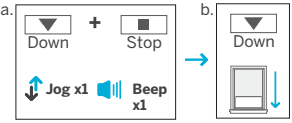
a. Press and hold (about 5 sec) **“Down” and “Stop”** buttons simultaneously until motor jog x1 and beep x1.

b. Use **“Down”** button to lower the shade to the desired lowest position, and use **“Up” or “Down”** button to do the final adjustment if necessary.

c. Press and hold (about 5 sec) **“Down” and “Stop”** buttons simultaneously until motor jogs x2 and beeps x3.

Action on Wall Switch

Motor Response



Action on Wall Switch

Motor Response

5. FAVORITE POSITION

SET FAVORITE POSITION

a. Use **“Up” or “Down”** button to move the shade to desired Favorite position.

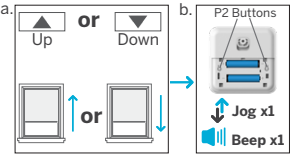
b. Press and hold (about 2 sec) one **“P2”** button on the back of wall switch until motor jog x1 and beep x1.

c. Press and hold (about 2 sec) **“Stop”** button until motor jog x1 and beep x1.

d. Once more, press and hold (about 2 sec) **“Stop”** button until motor jog x2 and beep x3.

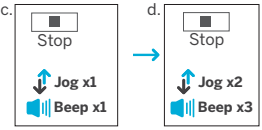
Action on Wall Switch

Motor Response



Action on Wall Switch

Motor Response

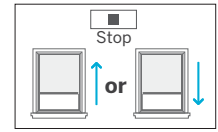


SEND SHADE TO FAVORITE POSITION

Press and hold (about 2 sec) **“Stop”** button, motor will move to Favorite position.

Action on Wall Switch

Shade Response



DELETE FAVORITE POSITION

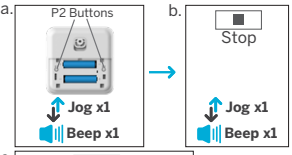
a. Press and hold (about 2 sec) one **“P2”** button until motor jog and beep x1.

b. Press and hold (about 2 sec) **“Stop”** button until motor stop and beep x1.

c. Once more, press and hold (about 2 sec) **“Stop”** button until motor jog x1 and long beep x1.

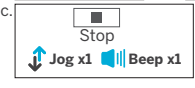
Action on Wall Switch

Motor Response



Action on Wall Switch

Motor Response

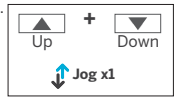


6. ROLLER MODE AND SHEER MODE

ROLLER SHADE MODE -Default mode, allows for continuous raising/lowering of shade after a short press.
a. Press and hold (about 5 sec) **"Up" and "Down"** buttons simultaneously until motor jog x1.

b. Press and hold (about 2 sec) **"Stop"** button until motor jog x2 and beep x3.

Action on Wall Switch
Motor Response

a.


Action on Wall Switch
Motor Response

b.


SHEER SHADE MODE - Allows for slight adjustment after a short press and raising/ lowering of shade after a longer press.
a. Press and hold (about 5 sec) **"Up" and "Down"** buttons simultaneously until motor jog x1.

b. Press and hold (about 2 sec) **"Stop"** button until motor jog x1 and beep x1.

Action on Wall Switch
Motor Response

a.


Action on Wall Switch
Motor Response

b.


7. ADD OR REMOVE ADDITIONAL WALL SWITCH

USING CURRENT WALL SWITCH

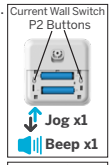
a. On the **current** wall switch, press and hold (about 2 sec) one **"P2"** button until motor jog x1 and beep x1.

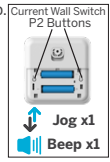
b. Once more, on the **current** wall switch, press and hold (about 2 sec) one **"P2"** button until motor jog x1 and beep x1.

c. On the **New** wall switch, press and hold (about 2 sec) one **"P2"** button until motor jog x2 and beep x3.

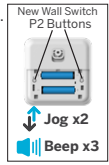
*Repeat the same procedure to remove additional wall switch.

Action on Wall Switch
Motor Response

a.


b.


Action on Wall Switch
Motor Response

c.


NEW WALL SWITCH CONTROL

Follow instructions under the section **1. Pair / Unpair Wall Switch**

8. ADJUST MOTOR SPEED

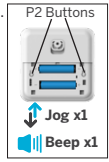
INCREASE MOTOR SPEED

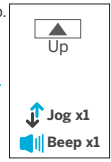
a. Press one **"P2"** button until motor jog x1 and beep x1.

b. Press **"Up"** button until motor jog x1 and beep x1.

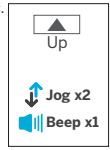
c. Once more, press **"Up"** button until motor jog x2 and beep x1.

Action on Wall Switch
Motor Response

a.


b.


Action on Wall Switch
Motor Response

c.


DECREASE MOTOR SPEED

a. Press one **"P2"** button until motor jog x1 and beep x1.

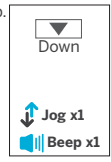
b. Press **"Down"** button until motor jog x1 and beep x1.

c. Once more, press **"Down"** button until motor jog x2 and beep x1.

*If the motor has no response, it already has a Maximum or Minimum speed.

Action on Wall Switch
Motor Response

a.


b.


Action on Wall Switch
Motor Response

c.