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motorized<sup>📶</sup>  
BY 3 DAY BLINDS

## ***Roller Shade W/Out Cassette Installation Instructions***

## GETTING STARTED

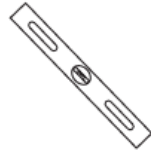
A few simple tools are required:



Steel Tape Measure



Pencil



Level  
(for outside mount)



Power Drill and  
Drill Bits



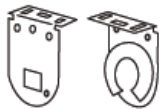
Flathead & Phillips  
Screwdriver



Awl (or tool for starting  
a screw hole)

Included in your order is all the hardware necessary for a normal installation. Depending on the mounting surface, fasteners other than the screws provided may be required. Wall board and plaster require the use of anchors such as expansion or toggle bolts. Bricks, tile and stone need special plugs and drill bits. Wood should always be pre-drilled to avoid splitting.

## STANDARD HARDWARE



Mounting Brackets  
with Screws



Screws

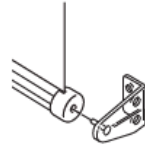


Bracket Covers  
(Outside Mount Only)

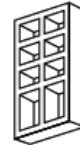


Charging Wire with Magnetic  
extension cable

## OPTIONAL HARDWARE



Hold Down Brackets



Spacer Block



Spacers



L-Bracket



Plastic Corner



Wing Nut and Bolt



Re-movable bracket adjustment  
(used to securely lock the shade  
into the bracket, may have to turn  
if repositioning the motor in the  
bracket)



Power switch (If motor is not responding check this switch)  
I = Motor on 0 = Motor off

Micro USB Charging Port



LED Light

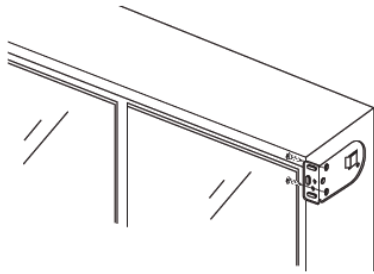
P1 button (Programming button on motor)



15 CHANNEL REMOTE CONTROL -  
AVAILABLE IN BLACK OR WHITE

## INSIDE MOUNT

- Mount a bracket in each corner of the window. Make sure the appropriate bracket is used for the control side and idle side.



Control Side

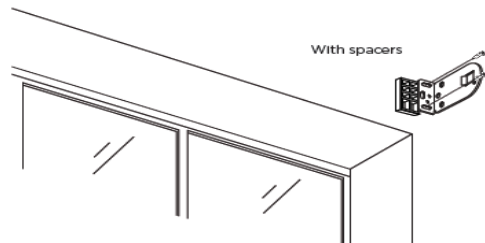
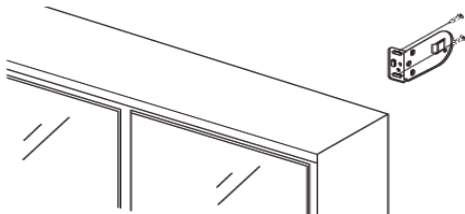


Idle Side

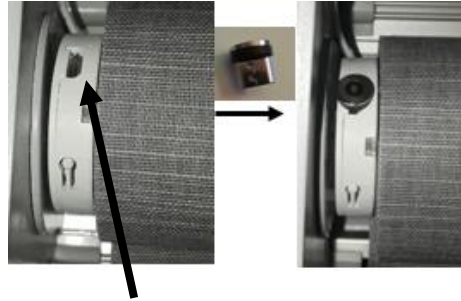
- Proceed to "Shade Installation"

## OUTSIDE MOUNT

- Mount brackets in desired location above window.



- Magnetic Tip is installed by the factory



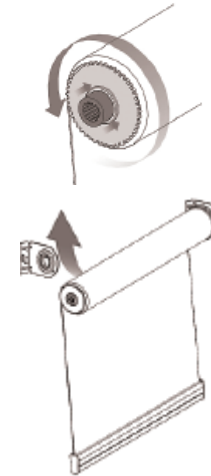
- **Tip:** Make sure charging port is pointing down and accessible to plug in micro USB charging wire. Also make sure you can push the programming button.

## SHADE INSTALLATION



- Mount the motor side first, making sure that the grooves on the clutch line up with the bracket. Make sure the charging port and programming button are facing down towards the floor for access later.

### INSTALL THE CONTROL SIDE SHADE FIRST



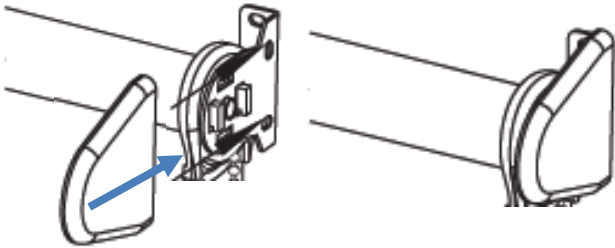
- Retract the idle side by rotating counter-clockwise.

- After inserting the motor side, swing the idle side into the bracket and release the idle pin by turning the dial clockwise, the pin will expand and snap into place.

- Once the idle side is snapped into place, move to the programming instructions for the shades operation.

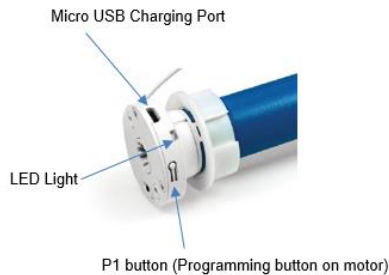
## OUTSIDE MOUNT BRACKET COVERS

- Outside mount only to cover the ends of the brackets.
- Bracket covers are slid over the bracket until snapped into position.



## SHADE OPERATION

- See Programming Instructions



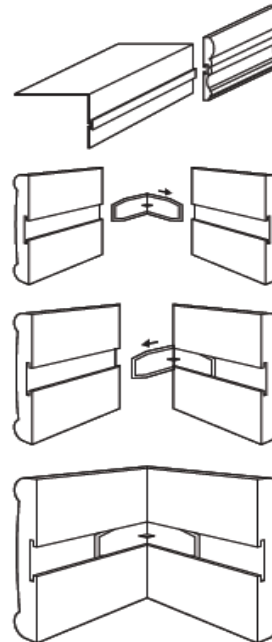
## SHADE REMOVAL



- To remove the shade, retract the idle side by rotating the clear plastic piece counter-clockwise. The pin should retract into the shade.
- Then pull the idle side out of the bracket first followed by the rest of the shade.

## VALANCE ASSEMBLY

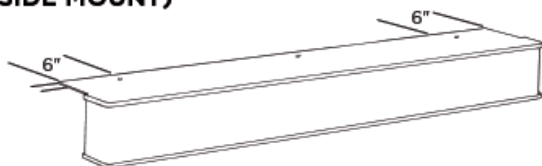
### CORONADO AND MANHATTAN VALANCES



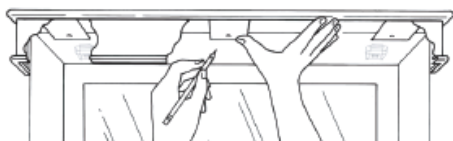
- Insert plastic corner into the valance and returns.
- If the valance returns are short, glue will be included instead of plastic corners. Apply a thin coat to the mitered end of both the valance and the returns.
- Join the ends of the valance returns with the valance by pressing the mitered edges together firmly for 60 seconds. Allow the glue to dry for at least 10 minutes before installing the valance.

## VALANCE INSTALLATION

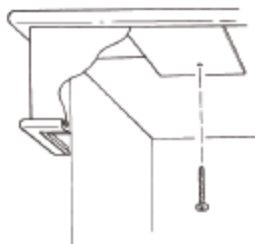
### CORONADO AND MANHATTAN VALANCES (INSIDE MOUNT)



- To install, the valance must be pre-drilled. Using a pencil, mark pilot holes 6" in from each end of the valance and  $\frac{3}{4}$ " in from the back of the valance. If additional brackets were sent with your valance mark additional pilot holes evenly spaced over the remaining width of the valance. Drill holes at the pencil marks using a  $\frac{1}{16}$ " drill bit.



- Position the valance so that the plastic dust cover on the top of the valance fits inside of the window frame and the valance returns butt up against the wall on the outside of the window frame.
- Using the pencil, mark the window sill through the holes in the valance.

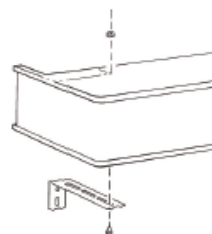


- Install valance using the screws provided.

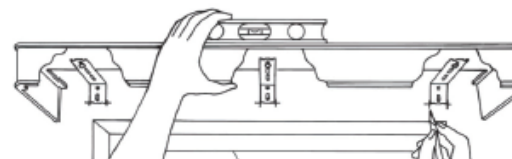
### CORONADO AND MANHATTAN VALANCES (OUTSIDE MOUNT)



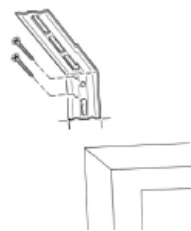
To install, the valance must be pre-drilled. Using a pencil, mark pilot holes 6" in from each end of the valance and  $\frac{3}{4}$ " in from the back of the valance. If additional brackets were sent with your valance mark additional pilot holes evenly spaced over the remaining width of the valance. Drill holes at the pencil marks using a  $\frac{1}{16}$ " drill bit.



- Once the extension brackets are installed, position the valance over the window and roller shade.



NOTE: The valance should be positioned to cover the top of the shade roll. Please leave enough room to allow the shade to operate properly. Using the level and a pencil, mark the bottom corners of each extension bracket.

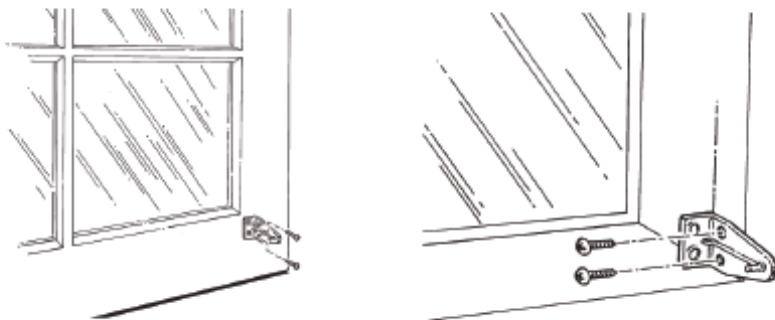


- Remove the extension brackets from the valance and install them using the screws provided.

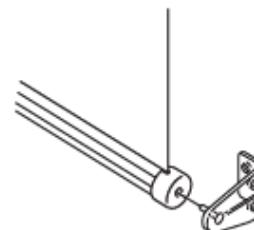
## OPTIONAL ACCESSORIES

### HOLD DOWN BRACKETS

Hold down brackets are used primarily on shades mounted to doors or in motor homes. There are two small holes in the end caps. Use the pin on the hold down bracket to push through the hole in the end cap.



- With the shade lowered to its full length, place the pin of each hold down bracket into the hole in each end of the bottom rail.
- Mark the mounting surface, either to the side or back of the window frame, through the holes in the hold down bracket. Make sure the hold down brackets are level and aligned with each other.
- Raise the shade and screw the hold down brackets into the mounting surface using the screws provided.



- Lower the shade and flex the hold down bracket outward so that the pin can be inserted into the hole in the end cap.

### SPACER

Spacers are available for use on windows with a projected molding. They are  $\frac{3}{8}$ " thick and allow the shade to be mounted flush with the outside edge of any standard window molding. They are available by contacting our Customer Care Department at 800-800-3329.

### MOTORIZATION

For Motorized Shades, install just like standard Continuous Cord Loop Shades and attach the battery tube with the clips provided. Remember to use Lithium Batteries, also provided, and refer to [SomfySystems.com](http://SomfySystems.com) for further operation and programming.



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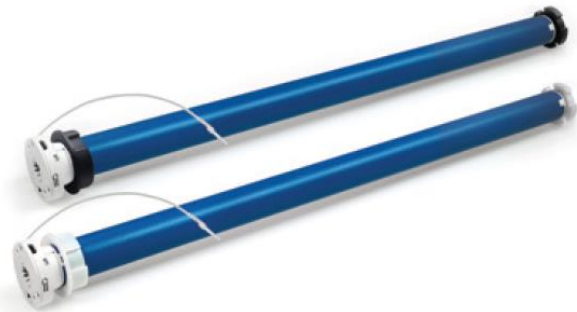
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BY 3 DAY BLINDS

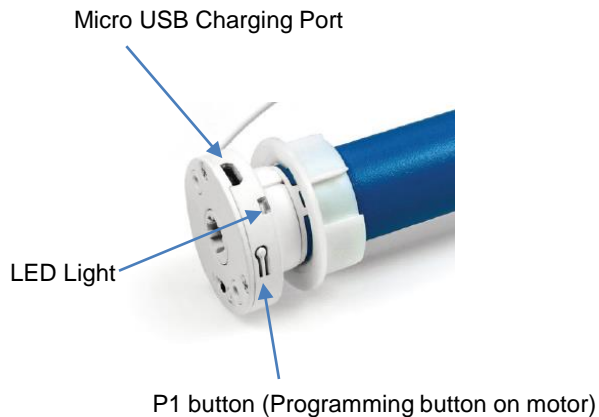
## ***Roller Shade Without Cassette Programming Guide***



## Specifications



- Wire-free 0.7Nm rechargeable motor with built-in Li-ion battery
- Approximately 500 up/down cycles per each full charge
- Micro USB Charger Port
- 3 motor speed settings; 20, 28 or 34rpm
- Sound level ~46dB
- 5 year warranty



Re-moveable bracket adjustment  
(used to securely lock the shade  
into the bracket, may have to turn  
if repositioning the motor in the  
bracket)

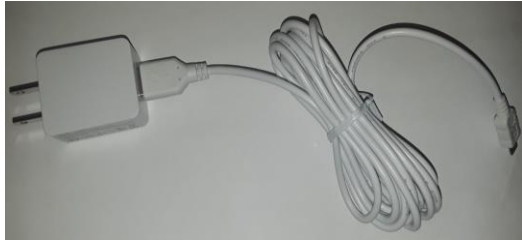


Power switch (If motor is not responding check this switch)  
I = Motor on 0 = Motor off



## Charging Instructions

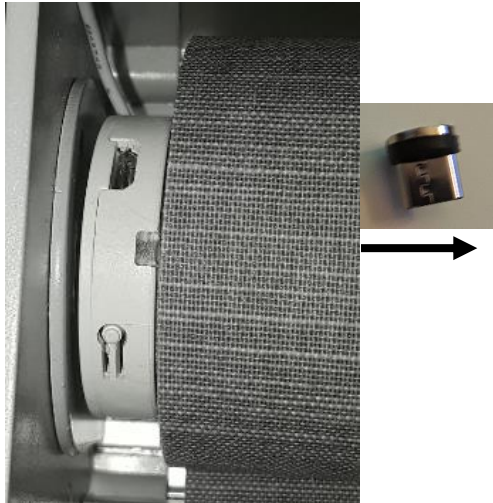
- USB Charger with wall outlet



- Magnetic Extension



- Magnetic Tip



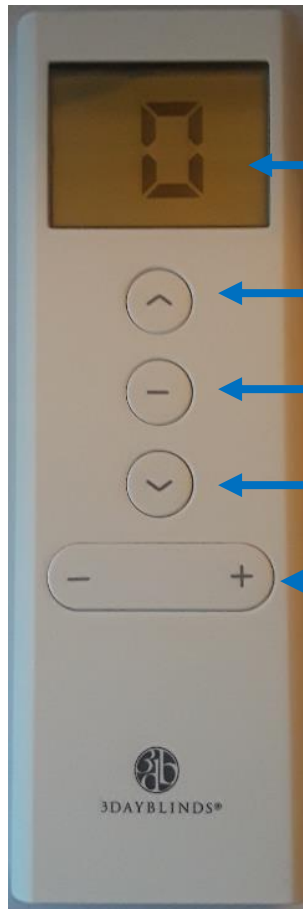
- Plug the charger into the wall and the micro USB tip into the shades charging port, similar to charging a cell phone. Hold the magnetic end close to the magnetic tip and it will snap together and begin charging.
- Charger can be left plugged in and will not harm the motor or battery. (They both have integrated overcharge protection circuits)
- Needs to be Charged about twice a year depending on usage.
- Production will charge the shade before sending it out to installer and install the magnetic tip, it takes about 6 hours to fully charge.
- During operation, if the motor beeps 10 times, that is indicating a low battery and needs to be charged.
- During operation, if the battery is going low, it will stop running and will need to be charged.

### Rechargeable Battery Status Indicator

- **Blinking Red** – Low Battery alert
- **Blinking Green** – Charging in process
- **Solid Green** – Battery has finished charging

- Production will Install the magnetic tip before shipping the shade.

## Remote Button Instructions



**LCD Display** (Channel you have selected, 0 operates all shades)

**Up**

**Stop**

**Down**

**Channel Select**  
(15 Channel Remote, 0 is the all channel)

P2 Button (Remotes Program Button)



**Small Blue Screw Driver** – Used to secure back cover on remote. **Also can be used to press the P1 button. LEAVE W/CLIENT**






CR2450 Battery

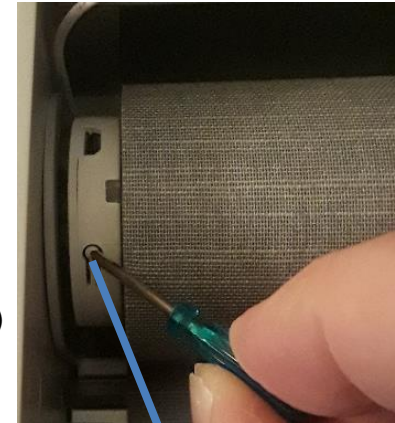
Back cover

On / Off Switch (If shade does not respond to remote, check switch is On.)

P2 Button (Remotes Program Button)

## **P1 Programming Button Instructions (Located on the motor)**

- 1. Test Motor:** (Test to make sure shade is charged & used to operate shade manually without remote)
  - Press P1 (Less than 1 sec) Until Shade Jogs  x1
    - Shade will wake up and start running down, press P1 to stop shade, P1 again to raise the shade.
- 2. Pairing Mode:** (Used to pair the shade to a remote, first step after installing the shade)
  - Press P1 & Hold (Approx. 2 secs) Until shade Jogs  x1 then release.
    - When released the Motor will Beep x1, shade is ready to program to the remote
- 3. Sleep Mode:** (Used to program other shades on the same channel.)
  - Press P1 & Hold (Approx. 6 secs) Until Shade Jogs  x2
    - When released the Motor will Beep x2, press up or down on remote, shade should not move.
- 4. Reverse Direction:** (Used when shade goes up when you push down or down when you push up.)
  - Press P1 & Hold (Approx. 10 secs) Until Shade Jogs  x3
    - When released the Motor will Beep x3, press up or down on remote to check for proper direction is saved.
- 4. Reset To Factory Settings:** (Used to erase all previous programming and start with a clear motor.)
  - Press P1 & Hold (Approx. 10 secs) Until Shade Jogs  x4
    - When released the Motor will Beep x4 shade should not respond to remote, start from beginning with pairing the shade and setting the limits.



P1 button (Remote will come with small blue screw driver that can be used to push the P1 button)

## **Pair / Unpair Remote Control To Shade**

**Step 1** : Press P1 button (about 2 sec) on the motor head until motor jog x1 and beep x1.

**Step 2** : In the next 10 secs, press the + or – on the remote to select the channel you want the shade to be on, press and hold “Stop ( - )” button until motor jog x2 and beep x3.

- Repeat the same procedure to unpair remote control and remove the shade from previous channel. Production has set the limits so shade should be ready to operate, see “Adjust Limits” to change the upper and lower limit.

## **Change Motor Direction (IF Necessary)**

**Step 1** : 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.

\*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 (See P1 button instructions).

***Setting the Upper & Lower Limits (These Steps are done if no limits are set from Factory, or you have Reset the motor to Factory Settings)***

**Step 1** : 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.

**Step 2** : 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.
  - After you are done setting the upper and lower limit the shade is ready to operate and is in user mode.

## ***Adjust the Upper & Lower Limits (These Steps are done when in user mode, or limits are already set from factory)***

### **Step 1 : 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.

### **Step 2 : 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 jog x2 and beep x3.

**Favorite Position (By pressing & Holding “Stop” shade will go to this saved spot every time)**

**Action: Set Favorite Position**

**Step 1** : Use “Up” or “Down” button to move the shade to desired Favorite position.

**Step 2** : Press and hold (about 2 sec) one “P2” button on the back of remote control until motor jog x1 and beep x1.

**Step 3** : Press and hold (about 2 sec) “Stop” button until motor jog x1 and beep x1.

**Step 4** : Once more, press and hold (about 2 sec) “Stop” button until motor jog x2 and beep x3.

**Action : Send Shade to Favorite Position**

**Step 1** : Press and hold (about 2 sec) “Stop” button, motor will move to Favorite position.

**Action : Delete Favorite Position**

**Step 1** : Press and hold (about 2 sec) one “P2” button until motor jog and beep x1.

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

**Step 3** : Once more, press and hold (about 2 sec) “Stop” button until motor jog x1 and long beep x1.



**Roller Mode & Sheer Mode (Sheer Mode is used to operate Roller shades in short increments and in Horizontal Sheer its used to open the slats in increments adjusting light control better)**

**Action: Roller Shade Mode - continue movement after a short press - Default Mode**

**Step 1 :** Press and hold (about 5 sec) “Up” and “Down” buttons simultaneously until motor jog x1.

**Step 2 :** Press and hold (about 2 sec) “Stop” button until motor jog x2 and beep x3.

**Action : Sheer Shade Mode - jog movement after a short press (continue movement after a long press)**

**Step 1 :** Press and hold (about 5 sec) “Up” and “Down” buttons simultaneously until motor jog x1.

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

**Add or Remove Additional Remote**

**Step 1 :** On the current remote control, press and hold (about 2 sec) one “P2” button until motor jog x1 and beep x1.

**Step 2 :** Once more, on the current remote control, press and hold (about 2 sec) one “P2” button until motor jog x1 and beep x1.

**Step 3 :** On the New remote control, press and hold (about 2 sec) one “P2” button until motor jog x2 and beep x3.

\* Repeat the same procedure to remove additional remote control.

**Grouping Shades (Used to have a group of shades on one channel to operate simultaneously.)**

**Step 1 :** On the remote Select the channel you want to add to a group. Turn remote over and remove battery cover.

**Step 2 :** Press and release (less than 1 sec) one of the “P2” buttons, shade will jog x1 and beep x1.

**Step 3 :** Press and release (less than 1 sec) one of the “P2” buttons again, shade will jog x1 and beep x1.

**Step 4 :** Turn the remote back over and select the channel you want to add the shade to (the group channel).

**Step 5 :** Turn remote over, Press and release (less than 1 sec) one of the “P2” buttons, shade will jog x2 and beep x3. Shade will now work on both original channel and the group channel.

\* Repeat the same procedure to remove the shade from the group channel.

\* You can also add the shade to a group channel by using the P1 button. Press the P1 button on the motor head(Approx. 2 sec) shade will jog x1 and Beep x1. Then select the channel you want to add the shade to and press & hold the Stop button until the shade jog x2 and beep x3. Its now added to the group shades as well as its original channel. Repeat steps to erase shade from group.

**Adjust Motor Speed (Used if all shades are running at different speeds, increasing the speed will shorten battery life.)**

**Action : Acceleration Speed**

**Step 1** : Press one “P2” button until motor jog x1 and beep x1.

**Step 2** : Press “Up” button until motor jog x1 and beep x1.

**Step 3** : Once more, press “Up” button until motor jog x2 and beep x1.

**Action : Deceleration Speed**

**Step 1** : Press one “P2” button until motor jog x1 and beep x1.

**Step 2** : Press “Down” button until motor jog x1 and beep x1.

**Step 3** : 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.

**Advanced Setting (Disable Limit Setting so they are not changed by mistake)**

**Step 1** : Remove the cover from the backside of remote, the lock switch is in the right corner.

**Step 2** : Move the switch to the “Lock” position to disable the following commands, remote will show “L” (lock):

- Change Motor Direction
- Setting the Upper and Lower Limit
- Adjust Limit
- Roller Mode or Sheer Mode

**Step 3** : Move the switch to “Unlock” position to assess all remote functions, remote will show “U” (unlock).

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

## Quick Index

Settings	Steps
1 Pairing	P1 (hold down for 2s) > Stop (hold down for 2s)
2 Switch Rotating Direction	Up + Down (hold down for 2s)
3 Setting Upper & Lower Limits	Upper Limit: Up (hold down for 2s) > Up + Stop (hold down for 2s) Lower Limit: Down (hold down for 2s) > Down + Stop (hold down for 2s)
4 Add / Remove Favorite Position	P2 > Stop > Stop
5 Roller Mode & Sheer Mode Switch	Up + Down (hold down for 5s) > Stop
6 Adjust Limits	Upper Limit: Up + Stop (hold down for 5s) > Up or Down > Up + Stop (hold down for 2s) Lower Limit: Down + Stop (hold down for 5s) > Up or Down > Down + Stop (hold down for 2s)
7 Pair / Unpair Additional Emitter	P2 (existing) > P2 (existing) > P2 (new)
8 Speed Regulation	Acceleration: P2 > Up > Up Deceleration: P2 > Down > Down

## Troubleshooting

Issues	Possible Causes	Solution
The motor has no response	Battery in motor is depleted	Recharge with compatible AC adaptor and check connection and positioning of solar PV panel
	Insufficient charging from Solar PV 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
	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 AC adapter or check connection and positioning of solar PV panel
Cannot program a single motor (multiple motors respond)	Multiple motors are paired to the same channel.	Always reserve an individual channel for programming functions
		SYSTEM BEST PRACTICE - Provide an extra 15 channel remote in your multi-motor projects that provides individual control for each motor for programming purposes
		Place all other motors into sleep mode (ref to <b>P1</b> button instructions)



## Motorization FAQs & Programing Videos:

<https://www.3dayblinds.com/motorization-faq>

 <b>WARNING</b>	
<ul style="list-style-type: none"><li>• <b>INGESTION HAZARD:</b> This product contains a button cell or coin battery.</li><li>• <b>DEATH</b> or serious injury can occur if ingested.</li><li>• A swallowed button cell or coin cell battery can cause <b>INTERNAL CHEMICAL BURNS</b> in as little as <b>2 HOURS</b>.</li><li>• <b>KEEP</b> new and used batteries <b>OUT OF REACH OF CHILDREN</b>.</li><li>• <b>SEEK IMMEDIATE MEDICAL ATTENTION</b> if a battery is suspected to be swallowed or inserted inside any part of the body.</li><li>• <b>CR 2032, 3v</b></li></ul>	 

- Remove and immediately recycle or dispose of use batteries according to local regulations and keep away from children.
- Do NOT dispose of batteries in household trash or incinerate.
- Even used batteries may cause severe injury or death.
- Call a local poison control center for treatment information.
- CR2032 is the compatible battery type.
- The nominal battery voltage is 3.0V.
- Non-rechargeable batteries are not to be recharged.
- Do not force discharge, recharge, disassemble, heat above 60° or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
- Ensure the new batteries are installed correctly according to polarity (+ and -).
- Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
- Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.
- Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.