THE SHADE STORE MOTORIZATION

Remote Programming Guide

BY: THE SHADE STORE
Each battery & plug-in motor from The Shade Store will come preprogrammed from the factory. The preprogramming assures the remote is paired with the motor, the upper and lower operation limits are set, the remote is locked and the unnecessary channels are hidden for ease of use (15 available).

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Remote Overview

TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Voltage</td>
<td>3V (CR2450)</td>
</tr>
<tr>
<td>Frequency</td>
<td>433.92 MHz</td>
</tr>
<tr>
<td>Transmitting Power</td>
<td>10 milliwatt</td>
</tr>
<tr>
<td>Ambient Operating Temperature</td>
<td>-10°C - 50°C</td>
</tr>
<tr>
<td>Transmission Distance</td>
<td>Up to 200 meters (open space)</td>
</tr>
<tr>
<td>Battery</td>
<td>CR2450</td>
</tr>
</tbody>
</table>

FEATURES

- Touch sensitive controls
- Levelling control (15 Channel Remote)
- LCD Display (15 channel Remote)
- Hide unused channels function
- Slim magnetic wall mount holder

PACKAGE CONTENTS

- Remote
- Magnetic holder & fixing screws
- Instruction Manual
- 3V - CR2450 Battery
INSTALL WALL MOUNT HOLDER

1. Remove cover from base by prying with flat head screwdriver

2. Use supplied fasteners and anchors as needed to attach base to desired surface as shown in figure. Assure screwdriver slot is facing up or the remote will not be held in place securely.

3. Replace cover by pressing snap latches into place.

INSTALL AND/OR REPLACE REMOTE BATTERY

1. Remove cover from remote: with 2 fingers placed in upper area of cover, press gently in and down to disengage cover and slide down to remove.

2. Install battery with positive(+) side facing up.

3. Replace cover by reversing step 1.

<table>
<thead>
<tr>
<th>BOM ID</th>
<th>Description</th>
<th>Qty</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>CR2450 Battery</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Cover</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>Remote</td>
<td>1</td>
</tr>
</tbody>
</table>
Initial Setup Programming

1. SELECT CHANNEL TO BE PAIRED

1a. Press any button to wake remote.
   Hold CH (1 sec) LCD screen will flash to confirm.

1b. Within 4 sec press UP or DOWN to select desired channel.

1c. Press STOP to confirm selection OR remote will auto confirm after 4 sec.

2. PAIRING REMOTE TO MOTOR

**ACTIVATE PAIRING MODE ON MOTOR**

2a. Press & HOLD Programming Button on motor head (2 sec)

**PAIRING REMOTE**

2b. Within 4 sec of activating pairing mode, Press & Hold STOP

If you do not pair the remote in time the motor pairing sequence will time out, repeat the above steps assuring to press and hold the STOP button within 4 seconds of the motor jog.
3. Unlock/Lock Remote (Limit Setting Mode)

If limits need adjusting, follow the instructions below to unlock the remote for limit setting:

- Unlock the limit setting tool by pressing the right P2 button on the back of the remote (remove cover to expose the button).
- Press and hold the button until the LED display shows a flashing “U”, then release.
- You will be required to set the remote back into “limit locking mode” once final adjustments have been made. Simply repeat the above step until a flashing “L” shows on the display (“U” for unlocked, “L” for locked).
Initial Setup Programming

4. Reverse Motor Direction If Required (Options A or B)

**Option A - REMOTE OPERATION**
(Only Possible During Initial Setup Or After Factory Reset Before Limits Are Set)

To check motor direction, quickly press the UP or DOWN button to move the shade initially. Press STOP to pause the shade operation.

IF DIRECTION DOES NOT ALIGN WITH UP/DOWN BUTTONS – Press and hold down the UP and DOWN button simultaneously until the motor jogs UP and DOWN once.

**Option B - MOTOR OPERATION (Possible At Any Time)**

Hold Programming Button (10 sec)

Note: Programming buttons will face down when shade is installed.
5. Setting Limits

SETTING UPPER/LOWER LIMITS

Important!! Stop shade prior to traveling past the desired position or damage to product can occur.

Drive the shade using continuous movement or fine adjust to the position you wish to set as the upper limit. Set limit as described below. 3 beeps from the motor will confirm the limit is saved. Repeat the same process to drive to and set the lower limit.

(To SET Top Limit)  Press UP + STOP (3sec)

(To SET Bottom Limit) Press DOWN + STOP (3sec)

!!!WARNING!! - Move shade in short increments by pressing the UP/DOWN button in 1 second intervals (pressing the UP/DOWN button for more than 3 seconds may send the shade past desired upper/lower limit and may result in damage to the product). Once you have reached the desired upper/lower limit, you can adjust the limit with either the UP and DOWN buttons. (remember to adjust in short increments!)

Important!! Remember to return the remote control to “L” mode as previously described to prevent inadvertent shade adjustment during normal operation and remote handling.
Sleep Mode

Each battery & plug-in motor will come preprogramed from The Shade Store. Upon leaving the factory the motor is placed into “Sleep Mode” to avoid accidental operation during shipping.

It is necessary to “Wake” the motor before operation and setup.

Exit Sleep Mode

To “Wake” the motor and exit Sleep Mode, assure the motor is installed and secured in the mounting hardware.

After the motor is installed in the brackets, press and hold the programming button on the motor head until the motor jogs up and down once. It is now no longer in “Sleep Mode” and ready for further setup.

* Warning, if you press and release the programming button quickly, the motor will lower to its lower limit. Be mindful of this during the install process.

Enter Sleep Mode

If required, to place the motor back into “Sleep Mode” press and hold the programming button for a period of 6 seconds. Release the button when the motor has jogged up and down twice. The motor will beep twice to signify “Sleep Mode” has been activated.
Remote + Motor Pairing

Each battery & plug-in motor will come preprogrammed from The Shade Store. The preprogramming assures the remote is paired with the motor, the upper and lower operation limits are set, the remote is locked and the unnecessary channels are hidden for ease of use (15 available).

Follow the below steps to select the remote channel you want to pair with the motor(s) if required at a later date.

1. SELECT CHANNEL

- Press any button to wake remote.
- Hold CH (1sec) LCD screen will flash to confirm.
- Within 4sec Press UP or DOWN to select desired channel.
- Press STOP to confirm selection OR remote will auto confirm after 4sec.

2. PAIRING OR REMOVING MOTOR FROM A SPECIFIC CHANNEL

ACTIVATE PAIRING MODE ON MOTOR

- Press & hold Programming Button on motor head (2sec)

PAIRING OR REMOVING REMOTE

- Within 4sec of activating pairing mode, Press & Hold STOP

If you do not pair the remote in time the motor pairing sequence will time out, repeat the above steps assuring to press and hold the STOP button within 4 seconds of the motor jog.

11/4/2016
Reverse Motor Direction

Each battery & plug-in motor will come preprogramed from The Shade Store. The preprograming assures the remote is paired with the motor, the upper and lower operation limits are set, the remote is locked and the unnecessary channels are hidden for ease of use (15 available).

To reverse the motor direction at any time, use the motor operation method shown below.

MOTOR OPERATION (Possible At Any Time)

Hold Programming Button (10 sec)

Note: Programming buttons will face down when shade is installed.
Mirroring Remotes

Each battery & plug-in motor will come preprogrammed from The Shade Store. The preprogramming assures the remote is paired with the motor, the upper and lower operation limits are set, the remote is locked and the unnecessary channels are hidden for ease of use (15 available).

Follow the below steps to copy settings from an existing remote to a new remote.

1. SELECT CHANNEL ON EXISTING REMOTE TO BE COPIED

   ![Diagram of remote controls]

   **1a** Press any button to wake remote.
   **1b** Within 4sec Press UP or DOWN to select desired channel.
   **1c** Press STOP to confirm selection OR remote will auto confirm after 4sec.

   **Note:** Select channel on existing remote to be copied
   Select channel on new remote where existing channel will be copied

2. ADD OR REMOVE REMOTE USING AN EXISTING REMOTE

   ![Diagram of remote controls]

   **1** Press left P2 (1sec)
   **2** Press left P2 (1sec)
   **3** Press left P2 (1sec)

   **Motor Response**

   **EXISTING**
   
   **NEW**
   
   **To be Added or Removed**

11/4/2016
Adjusting Limits

Each battery & plug-in motor will come preprogrammed from The Shade Store. The preprogramming assures the remote is paired with the motor, the upper and lower operation limits are set, the remote is locked and the unnecessary channels are hidden for ease of use (15 available).

Follow the below steps to adjust the upper and lower limits if required.

If limits need adjusting, follow the instructions below to unlock the remote for limit setting:

- Unlock the limit setting tool by pressing the right P2 button on the back of the remote (remove cover to expose the button)
- Press and hold the button until the LED display shows a flashing “U”, then release.
- You will be required to set the remote back into "limit locking mode" once final adjustments have been made. Simply repeat the above step until a flashing “L” shows on the display ("U" for unlocked, “L” for locked).

**ADJUSTING UPPER LIMIT**

(DELETE Top Limit)
Press UP & STOP (5sec)

Move the shade to the new desired position to be set as limit.

(SET Top Limit)
Press UP + STOP (5sec)

Important!! Stop the shade prior to traveling past the desired upper limit

**ADJUSTING LOWER LIMIT**

(DELETE Lower Limit)
Press DOWN & STOP (5sec)

Move the shade to the new desired position to be set as limit.

(SET Lower Limit)
Press DOWN + STOP (5sec)

Important!! Stop the shade prior to traveling past the desired lower limit

!!WARNING!! - Move shade in short increments by pressing the UP/DOWN button in 1 second intervals (pressing the UP/DOWN button for more than 3 seconds may send the shade past desired upper/lower limit and may result in damage to the product). Once you have reached the desired upper/lower limit, you can adjust the limit with either the UP and DOWN buttons. (remember to adjust in short increments!)
Tilt Mode (Wood Blind Only)

Each battery & plug-in motor will come preprogrammed from the factory. The preprogramming assures the remote is paired with the motor, the upper and lower operation limits are set, the remote is locked and the unnecessary channels are hidden for ease of use (15 available).

Follow the below steps to switch between tilt mode (incremental movement) or roller mode (drives to limits) on any motor. The motor must be paired to a remote and the remote must be unlocked to execute this procedure. Motors come programmed by default in roller mode.

If limits need adjusting, follow the instructions below to unlock the remote for limit setting:

- Unlock the limit setting tool by pressing the right P2 button on the back of the remote (remove cover to expose the button)
- Press and hold the button until the LED display shows a flashing “U”, then release.
- You will be required to set the remote back into “limit locking mode” once final adjustments have been made. Simply repeat the above step until a flashing “L” shows on the display (“U” for unlocked, “L” for locked).

With the remote unlocked. Hold the UP and DOWN button on the controller for approximately 5 seconds. The motor will jog up and down once.

Immediately after the motor jogs, press and hold the STOP button. The motor will jog up and down and beep to confirm Tilt Mode has been entered.

Repeat the above procedure to re-enter Roller Mode

If you do not activate tilt mode in time the motor programming sequence will time out, repeat the above steps assuring to press the STOP button within 4 seconds of the motor jog.
Each battery & plug-in motor will come preprogramed from The Shade Store. The preprogramming assures the remote is paired with the motor, the upper and lower operation limits are set, the remote is locked and the unnecessary channels are hidden for ease of use (15 available).

Follow the below steps to hide and unhide channels on the remote.

1. Press & Hold **STOP + CH**
   - Remote Response
   - LCD screen flashes
   - “15” which defaults remote control to 15 visible channels

2. Release only **STOP**
   - Keep **CH** pressed for the entire procedure

3. Press **UP or DOWN** to select number of active channels

4. Press **STOP**, then release **CH** to confirm
Favorite Positions

Each battery & plug-in motor will come preprogrammed from The Shade Store. The preprogramming assures the remote is paired with the motor, the upper and lower operation limits are set, the remote is locked and the unnecessary channels are hidden for ease of use (15 available).

Follow the below steps to set a favorite position. The favorite position is used to set a custom stopping point between the upper and lower limits. (1 favorite position per shade motor)

### SETTING FAVORITE POSITION

1. **(To Save Position)**
   - Press UP or DOWN to move shade to desired favorite position

2. **Press left P2 (1sec)**

3. **Press STOP (1sec)**

4. **Press STOP (1sec)**

   - Press STOP (3sec) to move shade to the Favorite Position from any location
   - Repeat Steps 1-4 for all additional motors

### DELETING FAVORITE POSITION

1. **(To Delete Position)**
   - Press STOP (3 sec) to send the shade to the stored favorite position.

2. **Press left P2 (1sec)**

3. **Press STOP (1sec)**

4. **Press STOP (1sec)**

   - Press STOP (1sec)

11/4/2016
Group Control

Each battery & plug-in motor will come preprogrammed from The Shade Store. If multiple motors are paired to the same 15 channel remote, the 0 channel is the default channel to control all motors at once.

Follow the steps below to group motors on a specific channel for simultaneous control.

To custom define a channel to control multiple motors, pairing in groups can be executed. This will allow you to operate a series of motors in unison without needing to change channels. Each motor to be grouped must be paired with the remote on its own channel prior to grouping.

1. SELECT CHANNEL TO BE PAIRED AS A GROUP

Press any button to wake remote.
Hold CH (1sec) LCD screen will flash to confirm.
Within 4sec Press UP or DOWN to select desired channel.
Press STOP to confirm selection OR remote will auto confirm after 4sec.

2. PAIRING REMOTE TO MOTOR
(Repeat for all motors to be added or removed from your desired group channel.)

ACTIVATE PAIRING MODE ON MOTOR

Press & hold Programming Button on motor head (2sec)

PAIRING REMOTE

Within 4sec of activating pairing mode, Press & Hold STOP

If you do not pair the remote in time the motor pairing sequence will time out, repeat the above steps assuring to press and hold the STOP button within 4 seconds of the motor jog.
3. Adjusting limits of an individual shade paired on a group channel

To adjust the limits of a shade that is currently grouped on a channel with other shades, it is necessary to place all shades with the exception of the shade to be adjusted, to sleep.

Once all other shades have been put to sleep, unlock remote by pressing and holding the upper left P2 button under the battery cover until “U” is displayed on the LCD screen. Adjust the shade limits as outlined below:

**ADJUSTING UPPER LIMIT**

(DELETE Top Limit)

Press UP & STOP (5sec)

Move the shade to the new desired position to be set as limit.

(SET Top Limit)

Press UP + STOP (5sec)

Important!! Stop the shade prior to traveling past the desired upper limit

**ADJUSTING LOWER LIMIT**

(DELETE Lower Limit)

Press DOWN & STOP (5sec)

Move the shade to the new desired position to be set as limit.

(SET Lower Limit)

Press DOWN + STOP (5sec)

Important!! Stop the shade prior to traveling past the desired lower limit

!!WARNING!! - Move shade in short increments by pressing the UP/DOWN button in 1 second intervals (pressing the UP/DOWN button for more than 3 seconds may send the shade past desired upper/lower limit and may result in damage to the product). Once you have reached the desired upper/lower limit, you can adjust the limit with either the UP and DOWN buttons. (remember to adjust in short increments!)

Once the limits have been adjusted as desired, return the remote control to “L” mode by pressing and holding the upper left P2 button under the battery cover. The other grouped motors can now be taken out of sleep mode by holding the programming button for 6 seconds.
Reset to Factory Settings

Each battery & plug-in motor will come preprogrammed from The Shade Store. The preprogramming assures the remote is paired with the motor, the upper and lower operation limits are set, the remote is locked and the unnecessary channels are hidden for ease of use (15 available).

Follow the below steps to reset the motor to factory settings and delete all limits.

To reset the shade motor to factory settings with no stored limits locate the P1 button on the motor head. Hold the programming button for 14 seconds. (4 motor jogs)

The motor will jog 4 times before the reset is complete. The P1 button must be held the entire time. 4 beeps confirm the factory reset is complete.

Refer to the Initial Setup Programming section to program a shade after a factory reset.
# Troubleshooting

<table>
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<tr>
<th>PROBLEM</th>
<th>CAUSE</th>
<th>REMEDY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motor is not responding</td>
<td>Remote battery is discharged</td>
<td>Replace battery</td>
</tr>
<tr>
<td></td>
<td>Battery is inserted incorrectly</td>
<td>Check battery polarity</td>
</tr>
<tr>
<td></td>
<td>Radio interference / Shielding</td>
<td>Ensure remote is positioned away from metal objects and that aerial on motor or receiver is kept straight and away from metal.</td>
</tr>
<tr>
<td></td>
<td>Receiver distance is too far from remote</td>
<td>Move remote to a closer position.</td>
</tr>
<tr>
<td></td>
<td>Power failure</td>
<td>Check power supply to motor is connected and active.</td>
</tr>
<tr>
<td></td>
<td>Incorrect wiring</td>
<td>Check wiring is connected correctly (refer to motor installation instructions)</td>
</tr>
<tr>
<td>Cannot set limits on a single Motor (multiple motors respond)</td>
<td>Using “group” channels to adjust motor limits</td>
<td>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.</td>
</tr>
</tbody>
</table>