

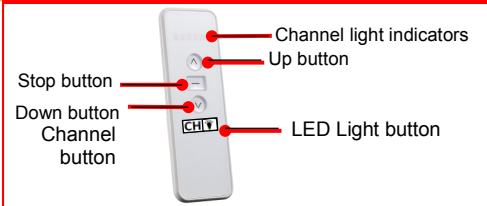
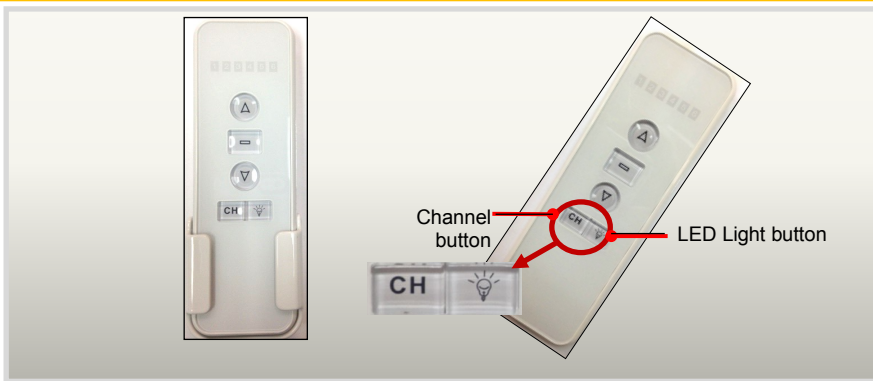
## LED Remote Controlled Lights PROGRAMMING

# Hybrid Motor with 6-channel Remote Controller Instruction Manual (for the control of hybrid motor with LED light strips)

## LED Remote Controlled Lights PROGRAMMING

**IMPORTANT:** Read through all instructions BEFORE beginning programming

### LED Light & Momentary 6-channel option



### Motor Connection

Green (E) – Ground  
White (N) – Neutral  
Black (L) – Line

**Note:** If channel display number “stays” lit when up or down button is held, then remotes is in LED Dim/Bright section. Please refer to Step D in Section 2 of Dim/Bright function section to switch back to “motor control function”.

### 1. LED Receiver Programming

A. Be sure power to receiver is off, and the remote is on Channel 1. (The first red light at the top of remote will indicate you are on channel 1)



B. Turn on Power to Receiver



C. Within 5 seconds, tap the “stop” and “light” key at the same time.



D. LED lights will now power on, or off, using the light button.



### 2. LED Receiver Programming for Dim/Bright Function

A. Press and “hold the light button” for 5 seconds. The first red light at top of remote (Channel 1) display will “flash” two times.



B. Now the “up button” will make the LED lights brighter.



C. Now the “down button” will make the LED lights dimmer.



D. To switch back to “motor control function”, press and “hold” the light button for 5 seconds, until the “channel 1 display light” flashes two times. The remote is now in “motor control function.” (The first red light at the top of remote will indicate you are on channel 1)

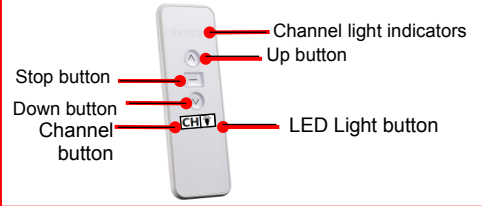


**CAUTION:** If momentary function (you must hold the down key in order for screen to go down) is disabled, re-engage momentary function by holding stop button for 5 seconds, then pressing the stop button again. This will reactivate the momentary function.

# LED/Hybrid Series Programming Motor with Built-In Receiver and Mechanical Limits

**NOTE:** Never leave a cooling motor unattended and energized electrically.

## LED Light & Momentary 6-channel option



### Motor Connection

Green (E) – Ground  
White (N) – Neutral  
Black (L) – Line

**IMPORTANT:** Read through all instructions BEFORE beginning programming.

### Thermal cut off

- Each motor has a Thermal Cut Off to prevent motor from over heating. Factory set limit is about 4 minutes of operation.

**NOTE:** This is a thermal setting and not a timed setting. The environmental condition of the job site will shorten the operating time before the Thermal Cut Off will activate.

- Allow at least 20 minutes of cooling time (it may take up to 45 minutes) before the motor will return to regular operation.
- The motor will resume motion from last signal provided to the mini receiver.

**Note:** Arrows on the motor show the movement of the motor tube which is opposite of the direction of the curtain (I.e: Arrow up on motor is Down adjustment).

## Caution

- Motors stops are not set when initially installed.
- The curtain can be over extended when lowered, causing damage to the system. Alternatively, curtain can be wound up inside the hood pulling the slats out of the side rails curtain to the motor tube.
- Be prepared to stop motor at any moment while setting the motor stop limits.
- Do not run the motor limits all the way to the top, or bottom, before attaching the motor tube.

## 1. Programming hand held remote to operate with built-in receiver.

A. For a multi channel remote, select the channel on the remote to be programmed by pressing channel button until the desired channel is displayed in the LED window.



B. **To Place the motor in Programming Mode:** Press and hold **UP** button until remote display stays constant.



Continuing to hold **UP** button, connect motor to power supply.



C. Within 3-5 seconds, motor will start beeping. 🎵🎵🎵



D. While motor is still beeping, release the **UP** button and then tap the **UP** Button **again**; you will hear 3 consecutive beeps 🎵🎵🎵 confirming programming.



Check if motor direction is operating correctly. If not, proceed to step 2

## 2. Change Motor Direction (open and close function in reverse)

A. While motor power is connected, press and hold **STOP** button until beeping begins;



B. While motor is beeping 🎵🎵🎵 (approx. 5 seconds), release the **STOP** button, then press and release the **DOWN** button.

Operating direction is now changed.



B. **NOTE:** To change motor direction back, repeat steps 2A and 2B.

## 3. ADDING ADDITIONAL REMOTE CONTROL INSTRUCTION (optional)

1. Push & hold the stop button on the remote that is programmed to the motor. Within 3-5 second the motor will start beeping . At that time release the stop button.



2. Using remote control to be added, select channel to be programmed.



3. On new remote push the up button until the motor beeps, confirming successful programming.



## 4. Delete Hand Held Remote from Hybrid Motor

A. For a multi channel remote, select the channel on the remote to be deleted by pressing channel buttons until the desired channel is displayed at top in the channel indicator light window.



B. With the motor power connected, press and hold the **STOP** button until beeping sounds.




C. While the motor is beeping (approx. 5 seconds), press the **RESET** button on back of the remote with a paper-clip; hold until you hear 3 beeps 🎵🎵🎵.

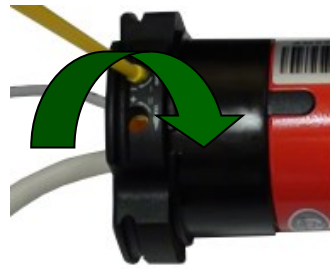


Selected channel is now deleted.

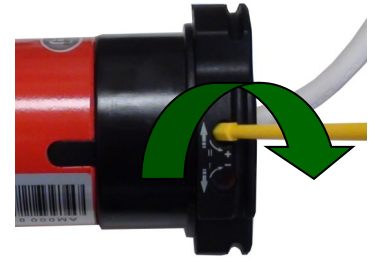
See also mechanical limit instructions

## Finding the Lower Limit

1. Power the motor in the down direction and stop within 12" of the bottom.
2. If the motor stops prior to the 12" you have found the Lower Limit, proceed to **Setting the Lower Limit**.
3. If the motor did not stop prior to reaching 12" from the bottom, insert the motor adjustment tool into the limit switch (refer to picture for motor orientation), and rotate **clockwise** several times.
4. Power the motor in the down direction again. If it does not move you have found the Lower Limit. Proceed to **Setting the Lower Limit**.
5. If the motor/curtain move, STOP .
6. Complete step 3 and 4 until the Lower Limit is found.



When motor is on the left side, adjust white limit switch.



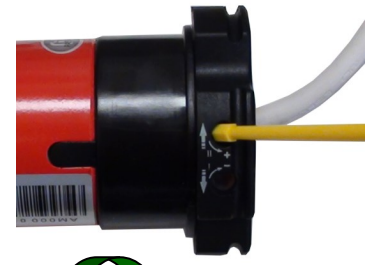
When motor is on the right side, adjust yellow limit switch.

## Setting the Lower Limit

1. Once the limit has been found, the limit must be set.  
**NOTE:** Make sure the motor is still powered in the down direction. If motor is left in a state of rest for more than 4 minutes, power has been cut off and the limits cannot be set. In this case, power the motor in the down direction to restart electrical current.
2. Insert the motor adjustment tool into the Limit Switch (refer to picture for motor orientation).
3. To lower the curtain until the curtain is in the fully closed position, rotate the Hex Wrench counterclockwise.
4. Remove the Hex Wrench Tool. The Lower Limit is set!




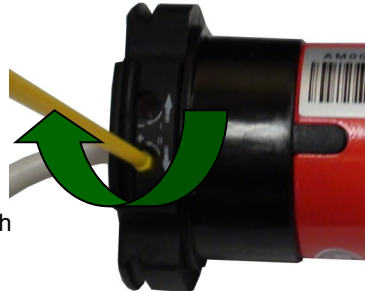
Counterclockwise lowers curtain limit.



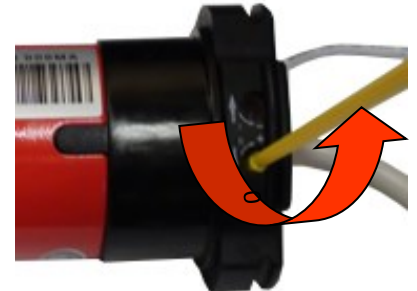
Clockwise raises curtain limit.

## Finding the Upper Limit

1. Power the motor in the up direction and stop within 12" of the top.
2. If the motor stops prior to the 12" you have found the Upper Limit. Proceed to **Setting the Upper Limit**.
3. If the motor did not stop prior to reaching 12" from the top, insert the motor adjustment tool into the Limit Switch (refer to picture for motor orientation), and rotate either clockwise.
4. Power the motor in the down direction again. If it does not move you have found the Upper Limit. Proceed to **Setting the Upper Limit**.
5. If the motor/curtain move, STOP .
6. Complete step 3 and 4 until the Upper Limit is found.



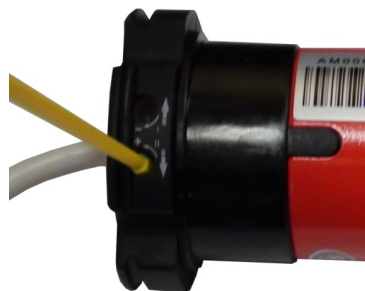
When motor is on the left side, adjust yellow limit switch.



When motor is on the right side, adjust white limit switch.

## Setting the Upper Limit

1. Once the limit has been found, the limit must be set.  
**NOTE:** Make sure the motor is still powered in the up direction. If motor is left in a state of rest for more than 4 minutes, power has been cut off and the limits cannot be set. In this case power the motor in the down direction to restart electrical current.
2. Insert the motor adjustment tool into the Limit Switch (refer to picture for motor orientation)
3. To raise the curtain until the curtain is in the fully open position Rotate the Hex Wrench counterclockwise.
4. Remove the Hex Wrench Tool. The Upper Limit is Set!



Counterclockwise raises curtain limit.



Clockwise lowers curtain limit.



**\*IMPORTANT:** Warranties do not cover any damage to MaestroShield® products that result from improper installation, accident, abuse, misuse, natural disaster, insufficient or excessive electrical supply, abnormal mechanical or environmental conditions, lightning or any unauthorized disassembly, repair or modification. Warranties do not apply to any product on which the original identification information has been altered, obliterated or removed, has not been handled or packaged correctly, has been sold second hand or has been sold contrary to the United States export regulations without consent from MaestroShield®.

 **MaestroShield®**  
Protection Like No Other

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FCC Statement Model: EL03-11HH06L

FCC ID: YAV11HH06L

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

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

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.