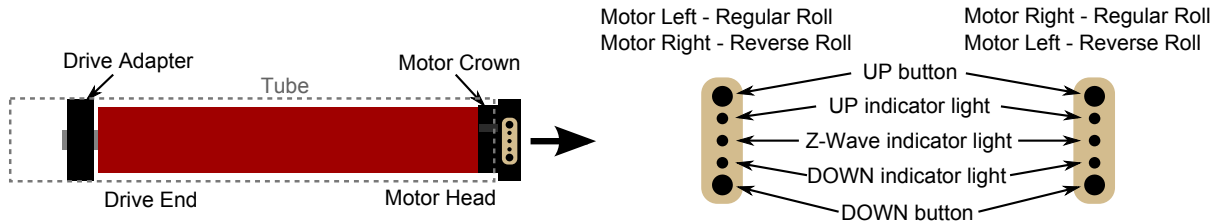


This set of instructions will help you to set limits and include the Z-Wave Motor into your Z-Wave network/gateway.

**Important Note:** The motor needs to be inserted into a tube with the proper engagement of its drive end and crown to the tube, so that when the drive end/adaptor turns, the tube turns, which also turns the crown. Everything must be connected by the tube and turn together so that the crown can count the tube revolutions and motor limits will be accurate. Limits can only be set with the motor placed properly in a tube. If limits seem inaccurate there may be a mechanical disconnection between these components.



**NOTE:** The limits are set a little differently than other motors. Both limits are set in sequence during Limit Setting Mode one after the other. You can't set only the upper and not the lower or readjust limits from their current limit. If one limit needs adjusting, both limits will have to be set again, upper then lower.

### Setting Limits:

**NOTE:** Time sensitive steps ahead. Read though first before attempting.

1. Identify what the buttons on the motor head represent by looking at the diagram above. As you stand, looking up at the shade, the motor can be on either the Right or the Left, and the fabric can be rolling off of the tube closer to the window (know as Regular Roll) or the fabric can be rolling off of the tube closer to the room (known as Reverse Roll or "Waterfall"). If the buttons were facing you (as shown), the diagram will help determine which is the "UP Button" given your shade orientation.

2. Press the UP Button and hold for approx. 5 seconds until the UP Button indicator light turns on RED. Release button.

3. Use the UP or DOWN Buttons to adjust the shade to where you want the UP Limit to be.

**NOTE:** Don't hesitate in adjusting limit placement, if you wait for more than 5 seconds between button presses the motor will move on to the next step of setting the DOWN limit.

4. Once you have UP adjusted, wait for 5 seconds for the UP indicator light to BLINK and turn OFF, then the DOWN Button indicator light turns on RED.

5. Use the UP or DOWN Buttons to adjust the shade to where you want the DOWN Limit to be.

**NOTE:** Don't hesitate in adjusting limit placement, if you wait for more than 5 seconds between button presses the motor will move on to the next step of ending Limit Setting Mode.

6. Once you have DOWN adjusted, wait for 5 seconds for the DOWN indicator light to BLINK and turn OFF, BOTH LIMITS HAVE NOW BEEN SET.

### Z-Wave Set Up:

Inclusion into a Z-Wave Network

1. Motor to be included should be UNPLUGGED and/or powered OFF.
2. Go to your Z-Wave controller/gateway, the Motor should be in relative close proximity, typically in the same room will suffice.
3. Put your Z-Wave controller/gateway in INCLUSION MODE (typically under Add Device, "+" button, or similar). You typically have 30 seconds to Include the motor into the Network.
4. PLUG IN or POWER ON the motor to begin Inclusion. Center Z-Wave indication light will stop BLINKING and turn ON GREEN.
5. The Motor has now been included into the network. Allow a minute or two to verify that the Motor has been included and is showing in the Z-Wave controller/gateway User Interface.

**NOTE:** Make sure your Z-Wave controller/gateway is using the latest official Firmware available for it.

Exclusion from a Z-Wave Network

1. Motor to be excluded should be UNPLUGGED and/or powered OFF.
2. Go to your Z-Wave controller/gateway, the Motor should be in relative close proximity, typically in the same room will suffice.
3. Put your Z-Wave controller/gateway in EXCLUSION MODE (typically under Remove Device, "-" button, or similar). You typically have 30 seconds to Exclude the motor from the Network.
4. PLUG IN or POWER ON the motor to begin Exclusion. Center Z-Wave indication light will start BLINKING GREEN.
5. The Motor has now been Excluded from the network.