

Maestria™ RTS - Helpful Tips

What if in SETTING MODE...



I am trying to lower the screen, but the motor doesn't respond.

Problem faced: After initiating programming, the down command doesn't work, the motor is stopping. In this configuration, it appears the obstacle detection is detecting an obstacle and preventing the motor from going down.

Available solutions (3):

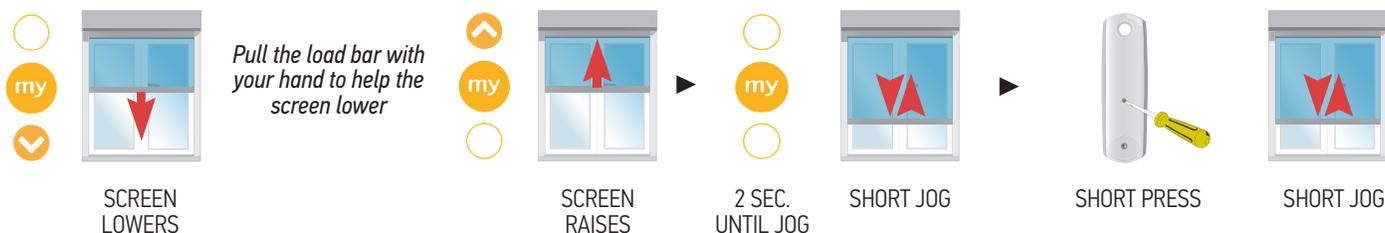
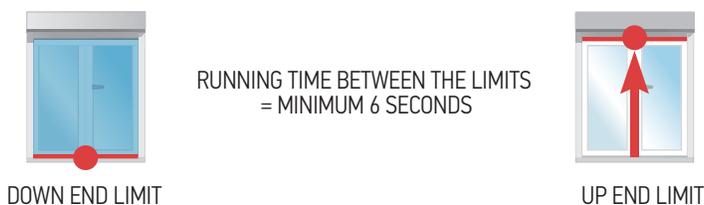
1. Using a higher torque motor.

The torque in the motor used is undersized. If possible, use a higher torque motor to better adapt the motor to the end-product lifting requirement.

2. Helping the load bar to go to the down end limit.

Press the MY/STOP + DOWN buttons while helping the load bar to go down. By pulling the load bar down, you will help to absorb the potential bounces made by the load bar. Reach the down end limit and then follow the manual setting process.

NOTE: The motor needs to operate for a minimum of 6 seconds between the up and down end limits in order to record the limits.



Once the limits are set, deactivate the obstacle detection.



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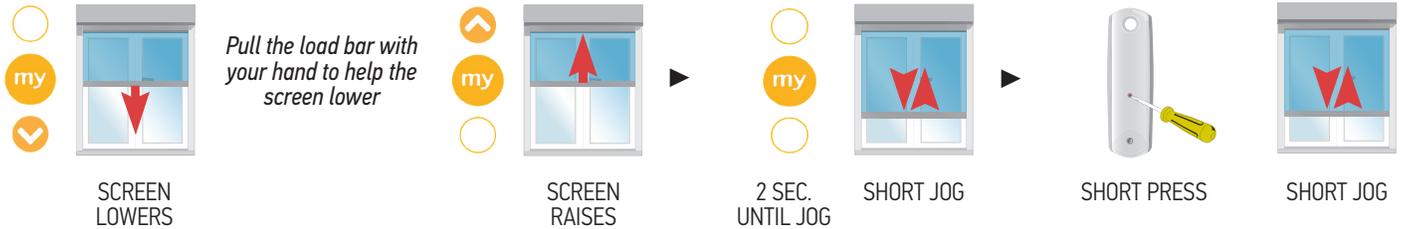
3. Helping the load bar to go to a temporary down end limit.

In the event the load bar is not able to go to the down end limit.

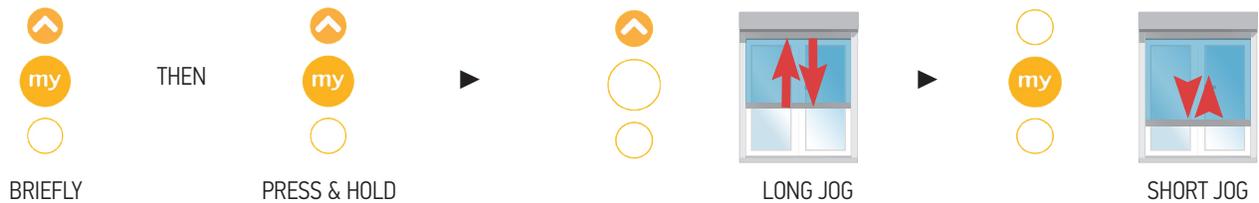
Press the MY/STOP + DOWN button while helping the load bar to go down.

By pulling the load bar down, you will help to absorb the potential bounces made by the load bar.

Set temporary limits at a given down point located at least 6 seconds travel time to the up end limit.



Once the limits are set, deactivate the obstacle detection.



Once the obstacle detection is deactivated, re-set the end limits and follow the limits setting process.



What if in SETTING MODE...

I cannot register the end limits in Manual Mode.



Once the obstacle detection is deactivated, re-set the end limits and follow the limit setting process.

NOTE: The motor needs to operate for a minimum of 6 seconds between the up and down end limits in order to record the limits.



RUNNING TIME BETWEEN THE LIMITS
= MINIMUM 6 SECONDS



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What if I want to change the SETTING MODE...

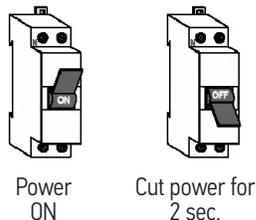
Switching from one mode to another (manual to auto, auto to semi-auto, etc...).



In Setting Mode

Remote control not paired yet and settings not yet validated.

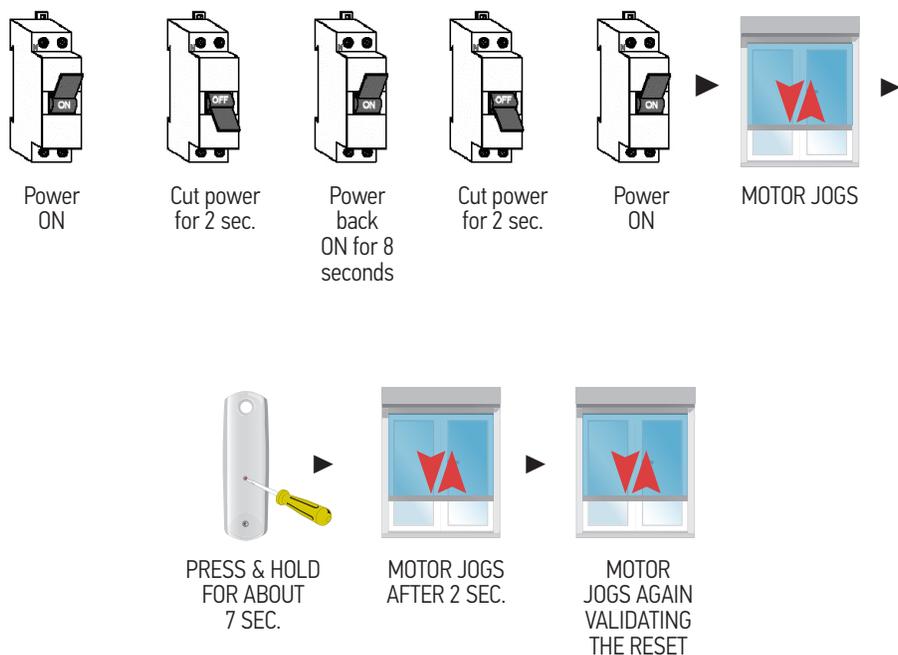
Perform a **Single Power Cut** to delete all previous settings and return the motor to FACTORY MODE. Start the setup in a desired mode.



In User Mode

Remote control already paired.

Perform a **Dual Power Cut** to delete all previous settings and return the motor to FACTORY MODE.



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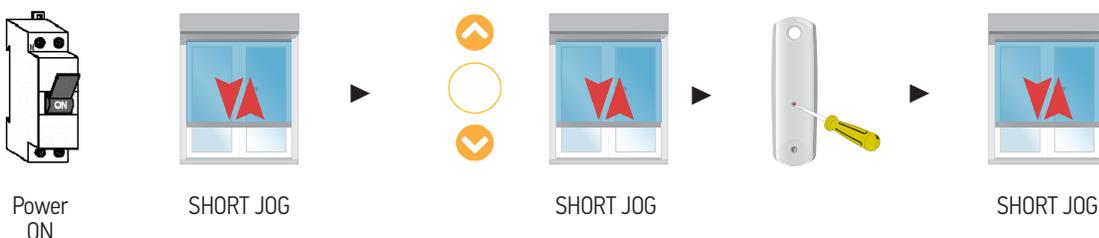
What if I am plugging in the motor and it jogs...

Re-set the motor to Factory Mode before setting the motor again.

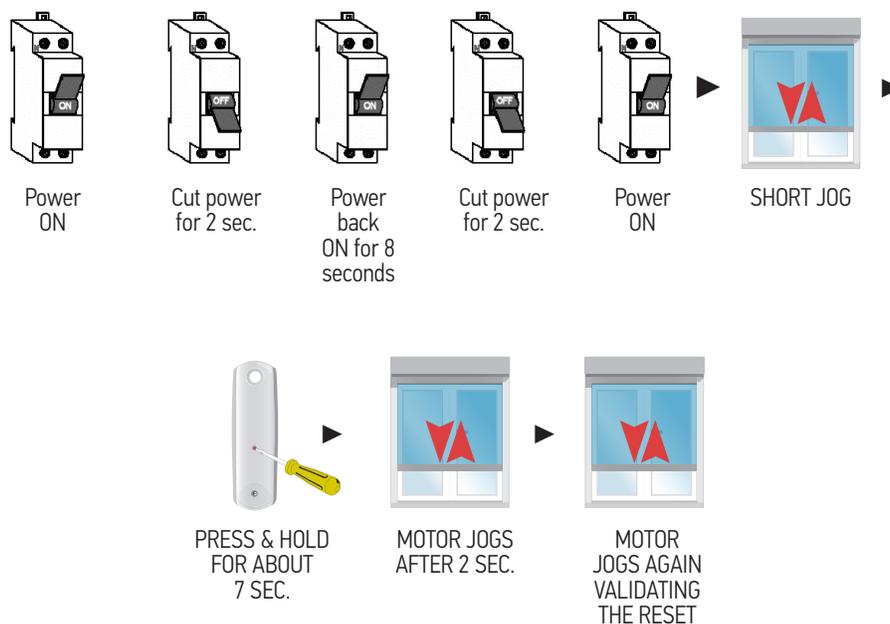


If the motor jogs when it is plugged in, it means that the motor limits are set, but the motor is not yet paired with a transmitter. The limits were registered (MY/STOP button pressed for 2 sec at the end of the process), but the remote control was not paired (the programming button on the remote was not pressed). In this situation, you will not be able to reset the motor. If you want to reset the motor, it should be done after the programming process is 100% completed.

1. Finish the initial setting.



2. Perform a Dual Power Cut to delete all previous settings and return the motor to FACTORY MODE.



3. Re-set the motor.

Choose the Setting Mode:

Manual

Full automatic

Semi-automatic (automatic up end limit and manual down end limit).

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What if in USER MODE...

The obstacle is not detected.

You can deactivate the obstacle detection or increase the sensitivity from the default level, during the downward movement (the upward movement obstacle detection can not be deactivated). It will then require less torque to detect an obstacle. This adjustment could be useful with:

- Narrow product featuring a lighter load bar
- Product equipped with a motor which has excessive torque compared to the end-product's size.

When programming, all button presses must be completed within 2 seconds of the previous press.

1. Enter the obstacle setting mode.

Starting with the screen in the halfway position, press MY and UP briefly and again MY and UP until the screen jogs.



2. Change the obstacle detection level.

If the actuator goes back to USER MODE (short jog) repeat Step 1.

To Deactivate:

Press UP briefly within 2 seconds and then press UP briefly again. The screen will jog slowly and is now deactivated.

IF THE JOG IS SHORT, YOU'VE REACHED THE DEFAULT SETTING. TO DEACTIVATE, PRESS UP AGAIN.



To Increase Sensitivity:

Press DOWN briefly within 2 seconds and then press DOWN briefly again. The screen will jog slowly and is now more sensitive.

IF THE JOG IS SHORT, YOU'VE REACHED THE DEFAULT SETTING. TO INCREASE SENSITIVITY, PRESS DOWN AGAIN.



3. CONFIRM THE NEW SETTING & exit the setting mode.

Press MY/STOP until the screen jogs to confirm the new setting.



The registered level of Obstacle Detection will be reached when entering Step 1 again.

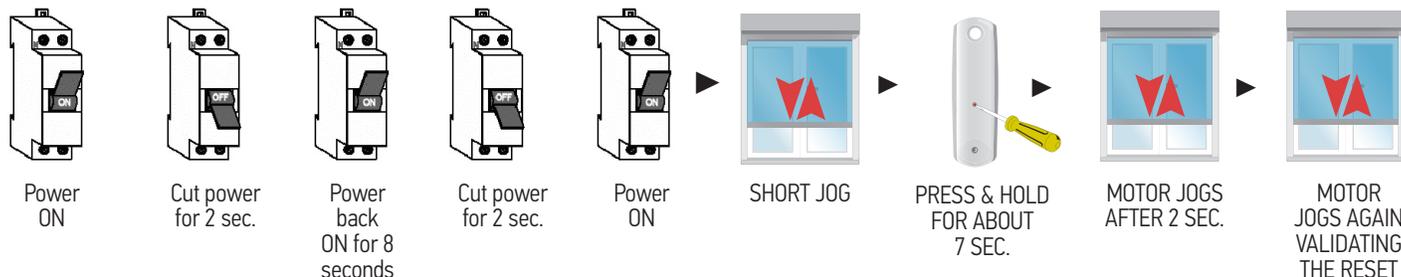
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What if in USER MODE... I am reaching the upper end limit and the load bar is going down.

1. Perform a Dual Power Cut to delete all previous settings and return the motor to FACTORY MODE.

Perform the dual power cut only on the concerned motor.



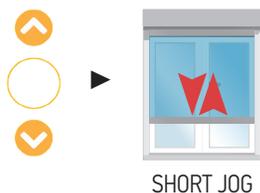
2. Re-set the motor.

Reset the motor in manual mode by ensuring the up end limit will be positioned at about 1/4 of an inch lower than the previous up end limit (at least 1/4 of an inch below the cassette).

The load bar shouldn't touch the cassette.

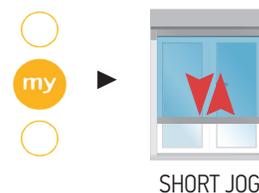
1. INITIATE PROGRAMMING.

On the transmitter, press briefly both UP and DOWN simultaneously. The screen jogs.



2. CHECK THE DIRECTION OF OPERATION.

Check the direction of rotation by pressing UP or DOWN. If necessary, change the direction of rotation by simply pressing and holding the MY button until the screen jogs.



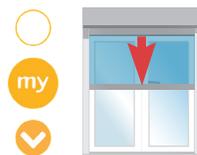
NOTE: If hand-held transmitter direction is not properly programmed, the Eolis/Soliris RTS sensor will not function in the manner it was intended. Damage to the screens and injury could occur as a result.

3. PROGRAMMING MODE - MANUAL ADJUSTMENT.

1) Position the screen at the desired UPPER Limit



2) Press MY/STOP and DOWN simultaneously: the screen lowers.



3) Position the screen at the desired LOWER Limit.



4) Press MY/STOP and UP simultaneously: the screen raises.



5) Press MY/STOP until the screen jogs to validate the end limit setting.



6) Briefly press the programming button on the back of the transmitter with a paper clip: the screen jogs.



THE MOTOR IS NOW SET UP AND IN USER MODE.