


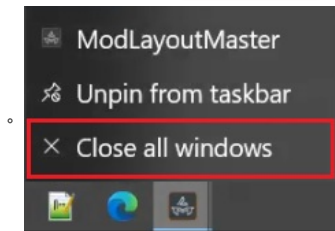
# LayoutMaster: Calibration

## Complete process

### 1-Clear the actual calibration

- CloseLayoutMaster

-  = display the task bar



- Rename the calibration file C:\Program Files\AGT\LayoutMaster\Build\CurrentConfigs\LayoutMaster\Options\CalibrationModel.xml by adding \_YYYYMMDDHHMM
- Reset the Christie Twist to 0.
  - Open Christie Twist.
  - Create a new 7x7 grid.
  - Send



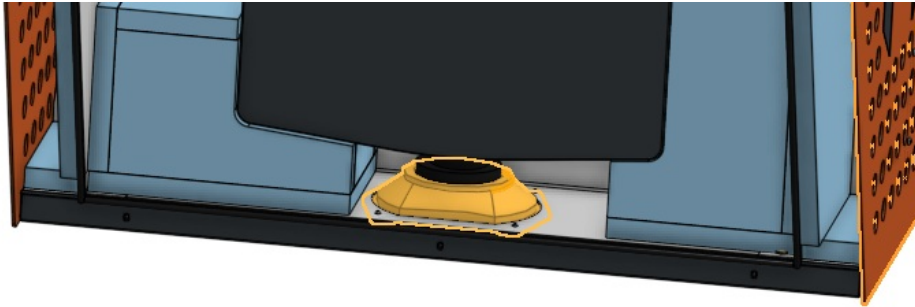
- Restart LayoutMaster :

- Reset the horizontal and vertical lens shift to 0

PROJECTOR			
Camera			
Focal Length	<input type="text" value="52.3"/>	Projector Focus Manoeuver Sleep	<input type="text" value="200"/>
Projector Config. Backup	<input type="text" value="C:\m Files\Cortex\Build\CProgra"/>	Screen count	<input type="text" value="1"/>
Lens Shift			
Horizontal	<input type="text" value="0"/>	Vertical	<input type="text" value="0"/>

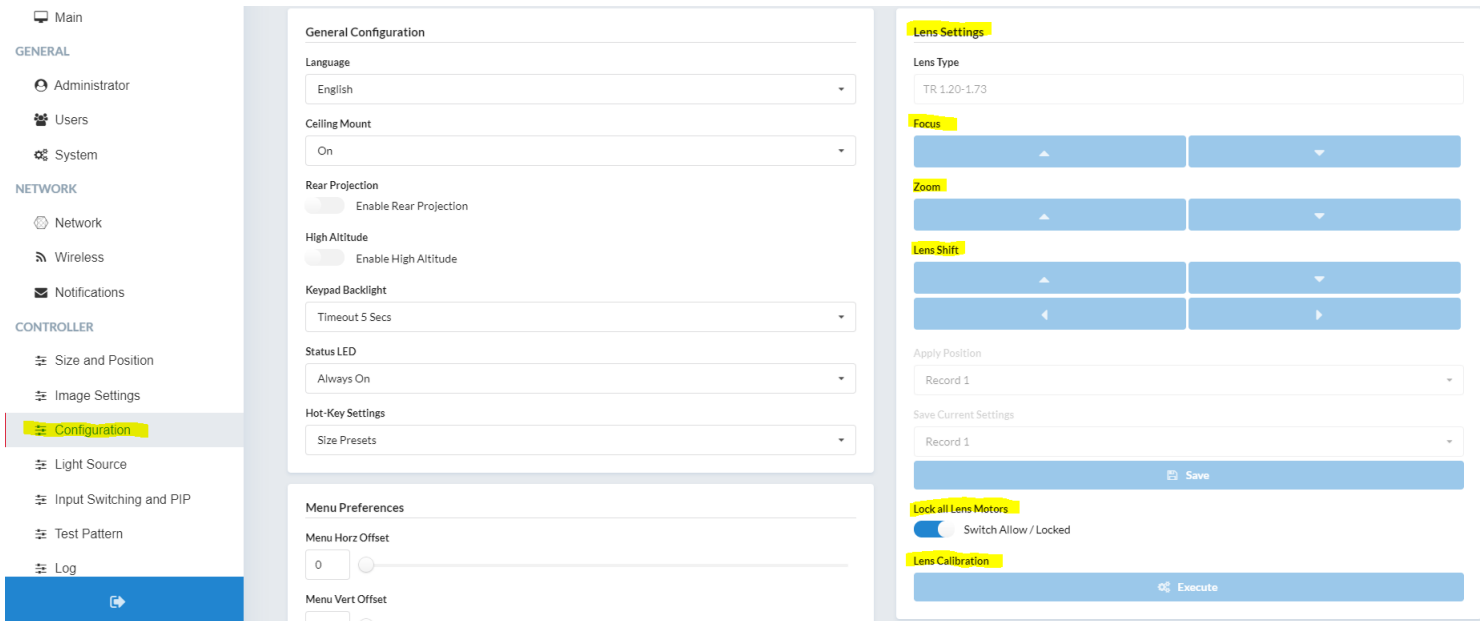
### 2-Adjust the mechanical lens shift

Remove the lens protector or ensure that the lens movements is not obstructed.



Use Edge or Chrome to open the control page of the projector.

- 172.31.3.14
- User = Admin
- Password = Admin
- 



- Unlock all lens motors.
- Execute the Lens Calibration.
- Set the zoom to produce the larger possible image.
- Adjust the lens shift so that the image centered on the projecteur center line.

Partially execute the procedure : **Master calibration**

- Level the Master
- Make sure the lens shifts are at 0.
- **Only adjust the focal length and the mechanical lens shifts.**
- **Target a maximum average error of 3mm.**
- The result will not be perfect at this step but enough to minimize the corrections during the calibration of the grid.

### 3-Calibrate the projector grid.

- Execute the procedure : **Grid calibration**

### 4-Calibrate the Master

- Fully execture the procedure **Master Calibration** without midify the mechanical lens shift.
- The final error should be less than the thickness of a line.
- If any lens shifts is more than 25, reset the lens shifts to 0, adjust the mechanical lens shift and redo the Grid calibration.

### 5-Calibrate the lasers

- Execute the procedure : **Lasers calibration**

### 6-Calibrate the positions

- Execute the procedure : [Positions calibration](#)