

Calibration

This is important!

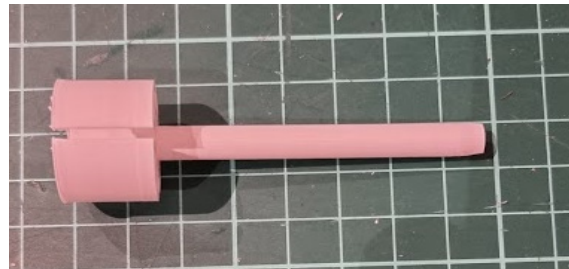
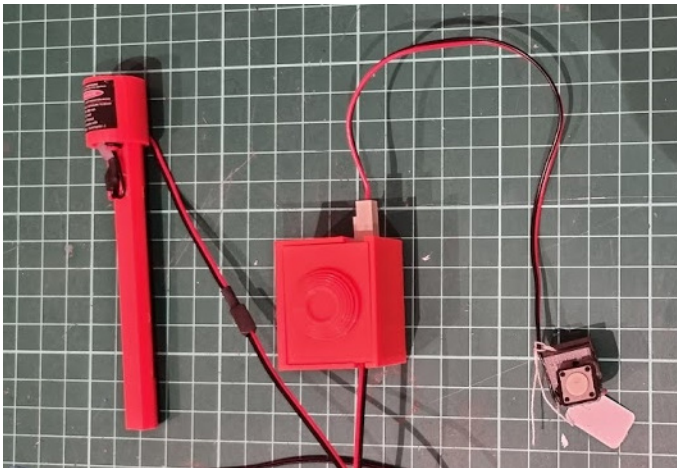
It's very important to follow this guide to the letter, it directly affect how good precision you get in the system.

Take the time, redo it if you are not satisfied.

It's a one time thing to do, if you do not move the camera - projector relationship or size and position of the screen, the calibration does not need to be redone.

You will need Laser unit with any trigger, and the "Laser helper"

You might need to use a ladder or something else to stand on to reach each cross.



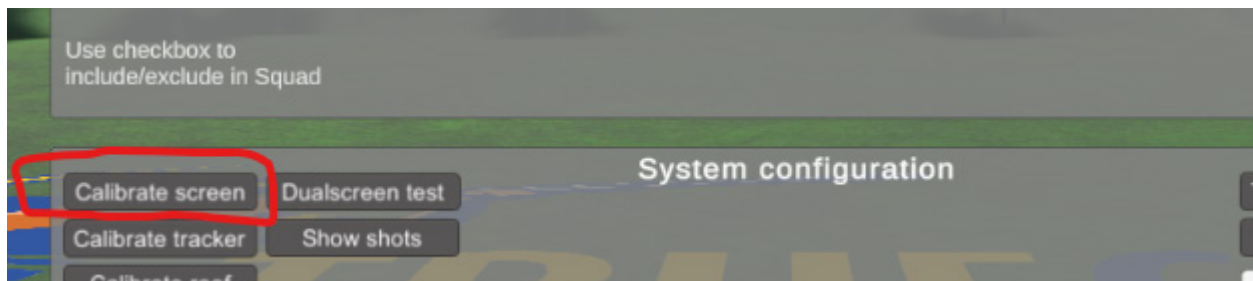
This product utilizes an invisible Class IIIb (infrared) laser, avoid direct eye exposure.

Steps

1. Fit the laser helper to the laser, align so the invisible laser should shine straight out of the pipe.



2. Start the "Calibration screen" function from the main menu of TrueClays.

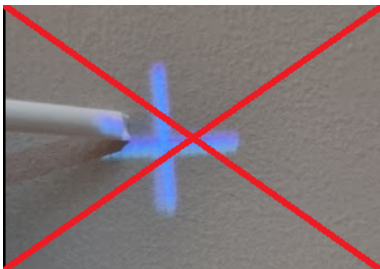
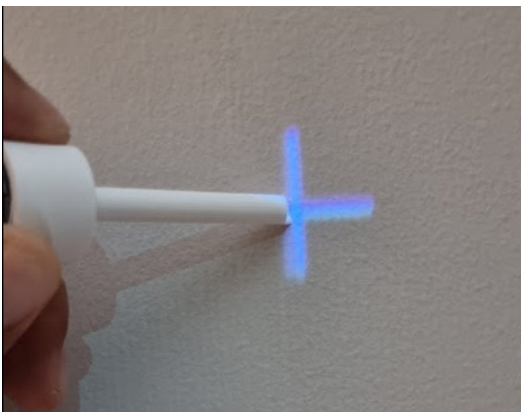


You will now see this screen with a blue cross in the UPPER LEFT CORNER.



3. Now, go to the wall, the goal is to shoot the cross 3 times at the very center with the laser at point black, making sure the cameras seeing the invisible laser point at all times.

Correctly done is like this; at an angle aiming for the center.



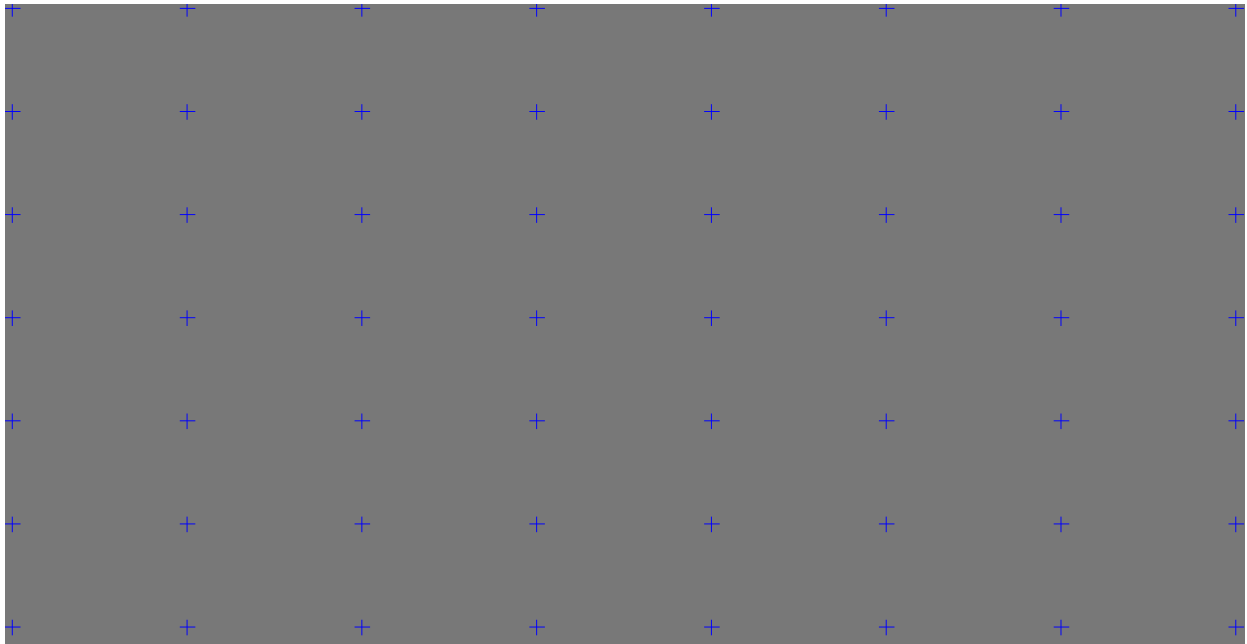
Observe:

There is 56 crosses that should be painted 3 times each with the laser.

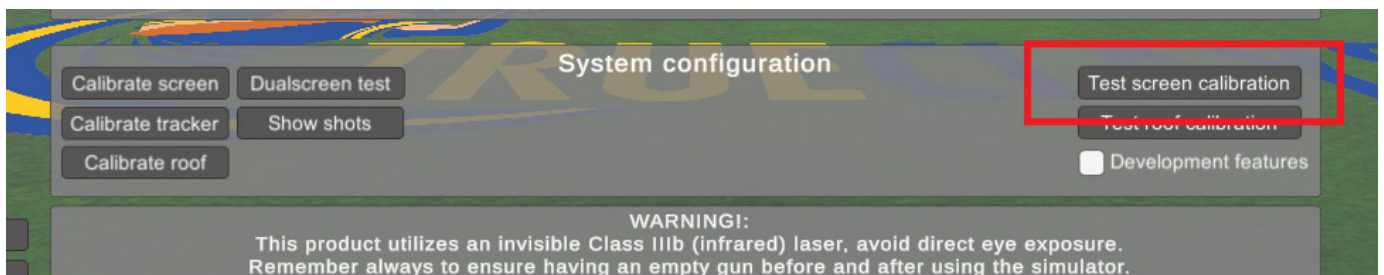
When a cross is completed with a good reading, it will automatically jump to the next position.

If the count instead start over at 3, it means there was a bad read and you have to retry.

When the calibration is completed you will be returned to the main menu.



4. After you completed, open the "Test screen calibration".



Now test the calibration you previously completed with the laser. Each time you shoot the laser an green cross will appear, it should appear exactly where you aim when shooting from close distance (point blank).

This is regardless of where on the screen you are shooting. Please test many locations, preferable all 56 points marked.



This is a good calibration

Please watch the video if you need further information.
<http://trueclays.com/installation>

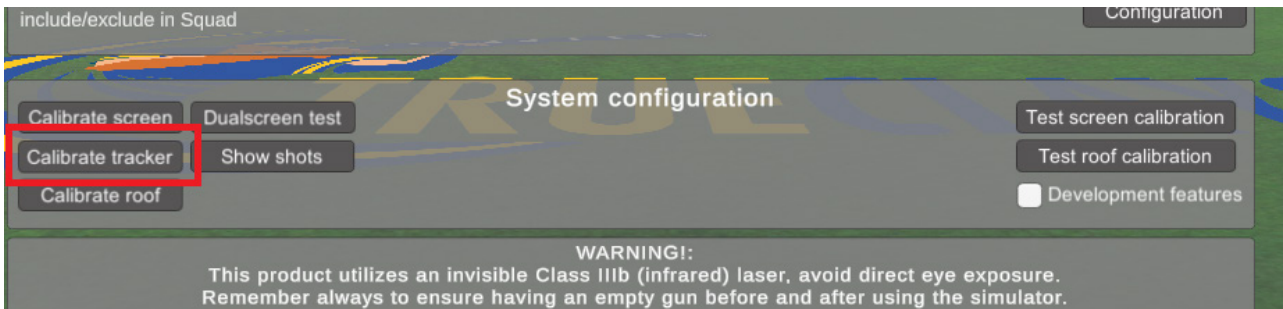
If one certain point is incorrectly calibrated, you can go through the calibration again but skip forward and only redo that point.

You can at anytime you wish redo your calibration.

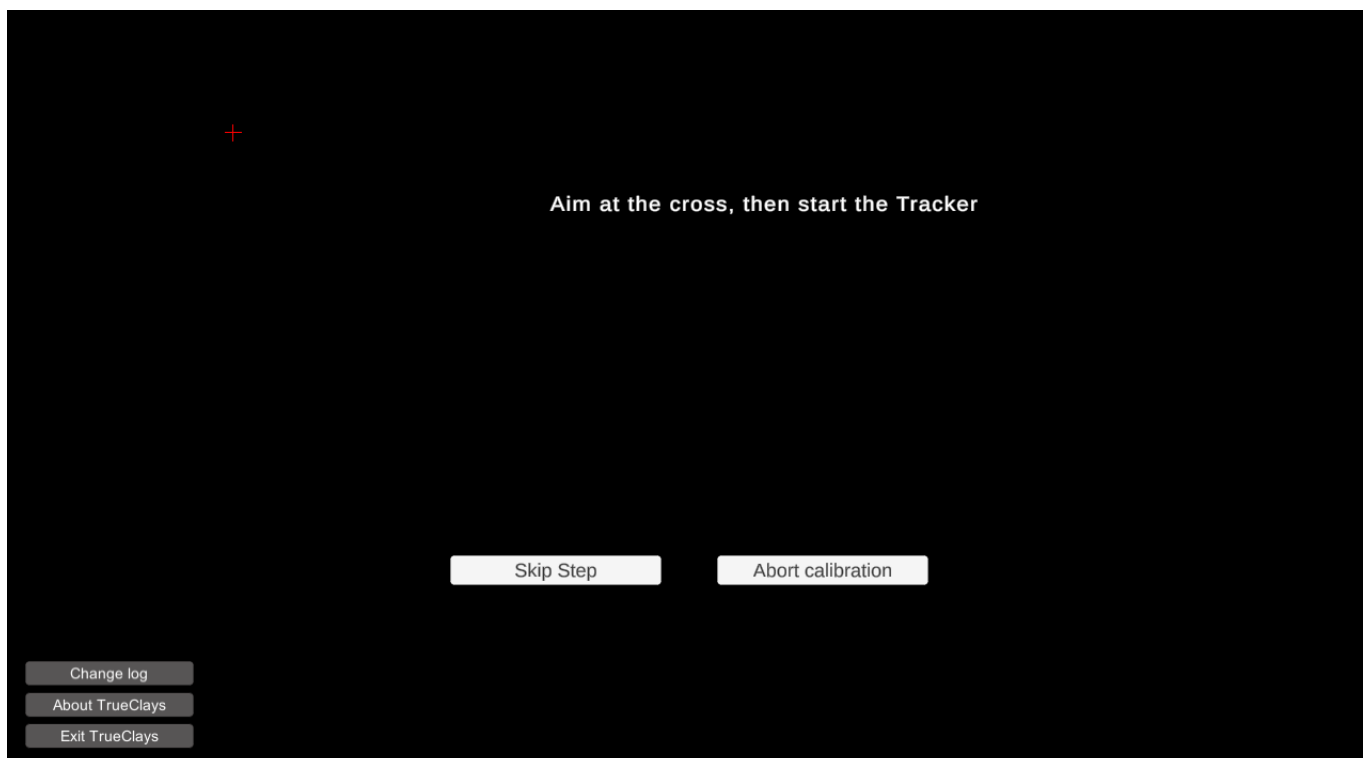
Optional Tracker

If you have the optional Barrel Tracking system you should do the same sequence with the tracker, but in that case there is only 4 points to be calibrated.

Start the "Calibrate Tracker" function from the main screen.



Aim the tracker at the cross and start the tracker by pushing the lever.



When the calibration is completed you will be returned to the main menu.