

## Instructions – Realigning Laser Beams – Beamz Model C1R42 Controllers

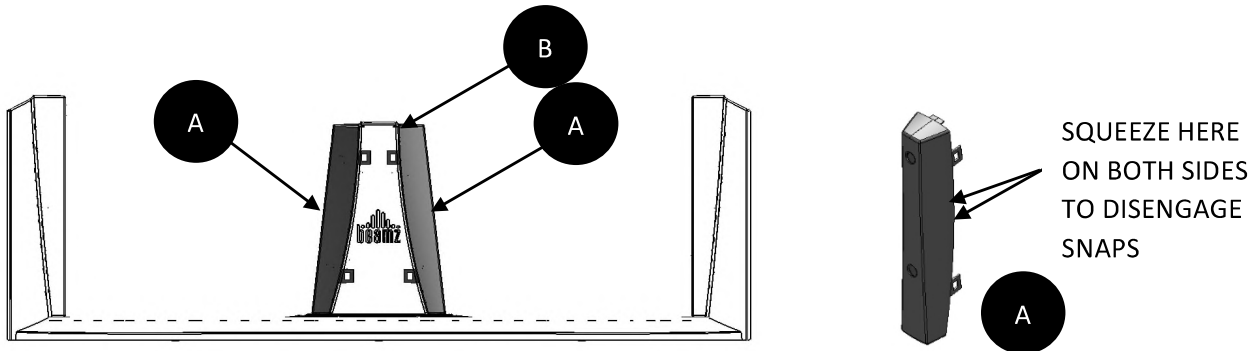
After it has been determined that a laser needs to be adjusted for alignment, follow these steps:

1. While the USB cable is plugged into the Beamz and a power source (computer or wall adapter), make a note of which laser and which direction the laser is off from the center lens.

*For example, upper laser on the right side needs to be adjusted up and to the right to hit the center of the sensor lens in the arm assembly.*

2. Remove the plastic lens (A) for the side with the alignment issue only.

NOTE: The plastic parts are secured with snaps. They will be difficult to remove. Pull with force.



- A. To remove plastic lens, grip plastic in center area on each side, squeeze and pull toward with a horizontal force toward the outer arms. (see arrow location for thumb and finger grip area)

3. Remove trim piece - Item (B).
4. Locate the misaligned laser(s).

NOTE: Two screws are located on each side of the laser housing. Both of the screws affect the laser alignment.



**BEFORE TURNING THE SCREWS, READ THIS.**

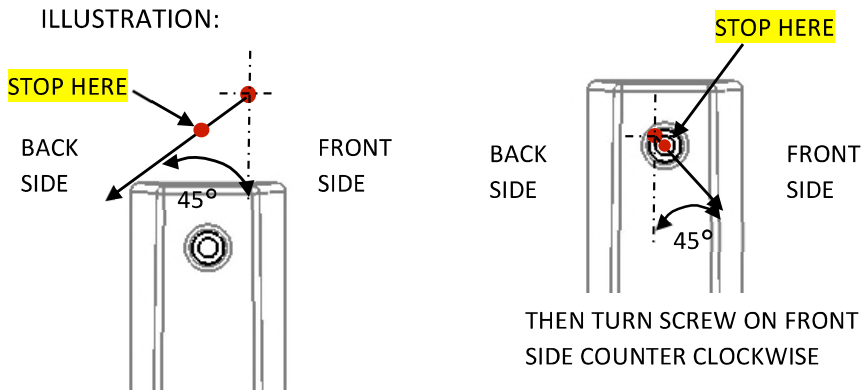
NOTE: Screwing **clockwise** will bring the laser further down and to the right in a diagonal line 45 degrees.

NOTE: Screwing **counter clockwise** will bring it up and to the left in a diagonal line 45 degrees.



**SMALL ADJUSTMENTS MAY BE NEEDED TO THE SCREWS ON EACH SIDE OF THE LASER TO ACHIEVE A CENTERED LASER BEAM.**

ILLUSTRATION:



FIRST TURN SCREW ON BACK  
SIDE COUNTER CLOCKWISE

THEN TURN SCREW ON FRONT  
SIDE COUNTER CLOCKWISE



ONLY MAKE VERY SMALL TURNS WITH THE SCREW DRIVER



USE CAUTION WHEN SCREWING COUNTER CLOCKWISE. SCREWS CAN BE UNSCREWED TOO FAR AND POTENTIALLY DROPPED INTO UNIT. IF LASER IS NOT MOVING, DO NOT KEEP SCREWING COUNTER CLOCKWISE.

4. Use a small Phillip's head screw driver to carefully use micro movements to adjust the screws in the direction noted in Step 1.



If laser does not move when turning the screw, STOP and turn the opposite direction until laser moves to ensure screw is engaged with the laser housing. Then, try the screw on the other side of the laser following the same steps. If laser is unable to be moved into the active lens area, STOP and contact Beamz TECH SUPPORT for an RMA for a replacement controller.