

# Optics Box Update

(Mount a Permanent Laser)

## STEP 1

Purchase a:

Laser diode

<https://www.amazon.com/Focusable-650nm-Module-driver-Plastic/dp/B00S1EXW3Y/>

AAA battery holder with a switch.

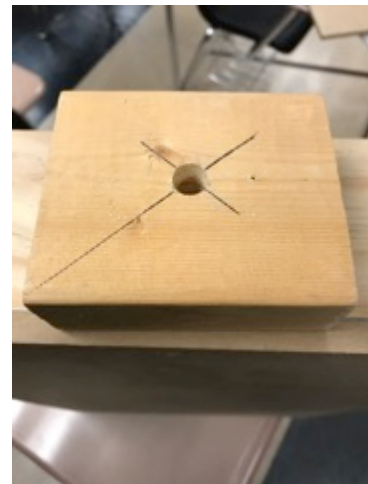
<https://www.amazon.com/SODIAL-Leads-Switch-Battery-Holder/dp/B00SUXUD8S/>

## STEP 2

Wire the laser to the battery holder. Polarity matters. If you wire it backward, it won't work. Switch the wire's polarity.

## STEP 3

Drill a hole the size of the laser into a 4" length of a 2x4. If you don't have a drill bit the right size, drill a small bit bigger and wrap the laser with electrical tape to make it snug in the hole. Attach the 2x4 to the center of the back of the optics box with screws aligning the laser down the center of the box. Don't forget to predrill your screw holes so the 2x4 doesn't split.



#### Step 4

Using 2 sided tape attach the battery pack to the outside wall of the optics box.

(Note: The box in this picture does not use a AAA battery pack with a switch so a sperate switch is installed.)

