




Switch Adapted Glow & Discover Light Bar

MAKER GUIDE

Required Components

<p>1.</p> 	<p>2.</p> 	<p>3.</p> 	<p>BOM</p> <ol style="list-style-type: none"> 1. Baby Einstein – Glow & Discover Light Bar 2. 3.5 mm Mono Jack and Nut 3. 22 AWG Wire
---	---	--	---

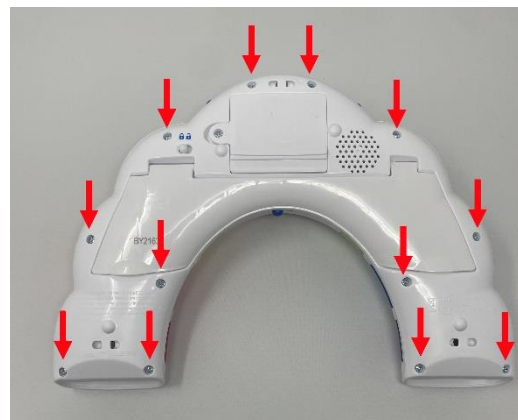
Step 1: Unbox the Light Bar

Pry open the cardboard flap on the box



Step 2: Remove Screws

Remove the 12 screws on the back side of the toy

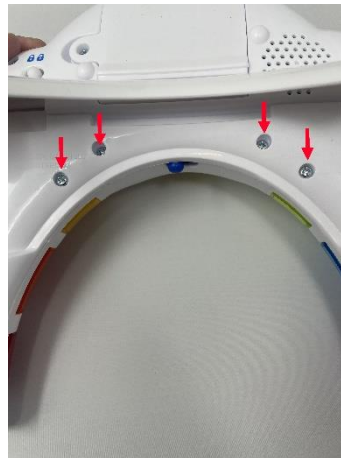


Switch Adapted Glow & Discover Light Bar

MAKER GUIDE

Step 3: Remove additional screws

Lift the white toy stand and remove the 4 screws under it



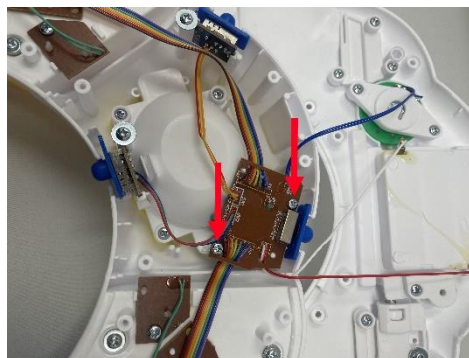
Step 4: Pry the Toy Open

Gently pry the toy open to access the internal electronics



Step 5: Detach the Switch PCB

Unscrew the two screws on the main switch PCB. This will allow us to access the solder points on the other side



Switch Adapted Glow & Discover Light Bar

MAKER GUIDE

Step 6: Cut and prepare 2 wires

Cut two pieces of wire about 10-15 cm long. Using wire strippers, remove the plastic insulation from the last 2 cm on each end



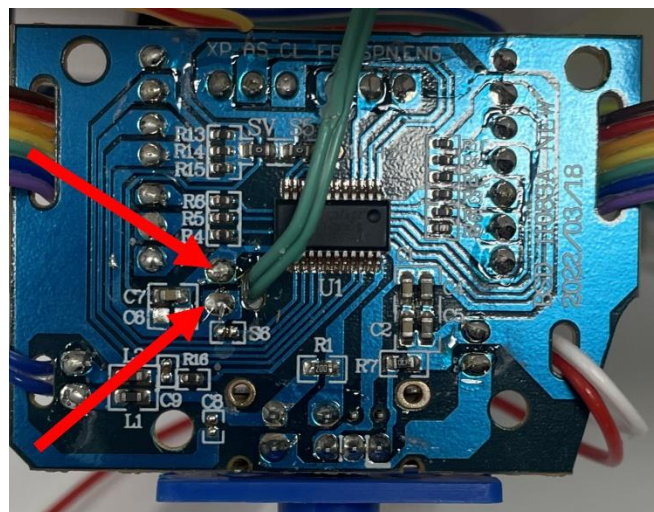
Step 7: Tin one end on each wire

Twist one end of each wire so that the individual strands are tight, then heat the wire with the soldering iron, then apply some solder to the wire




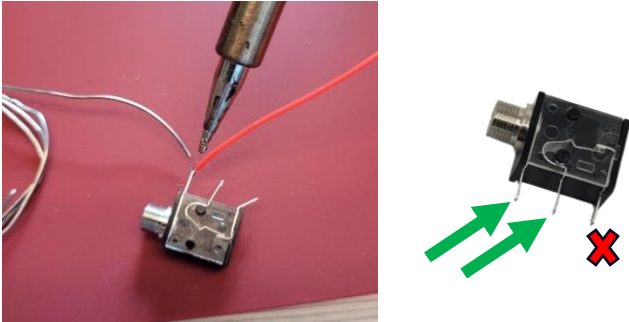
Step 8: Solder the wires into place on the PCB

With the tinned wire in one hand and the soldering iron in the other, heat the solder on the highlighted spots on the PCB, then insert the tinned wire. Remove the iron and the wire should stay in place



Switch Adapted Glow & Discover Light Bar

MAKER GUIDE

<p>Step 9: Ensure that wires aren't bridged</p> <p>Check that the new wires and solder aren't touching other parts of the PCB</p>	
<p>Step 10: Solder the Wires to the Switch Jack</p> <p>Solder the wires to the 2 legs closest to the threaded end.</p>	
<p>Step 11: Test!</p> <p>Insert 3 batteries into the toy, then plug a switch into the switch jack. The toy should start playing music when you touch the switch.</p>	

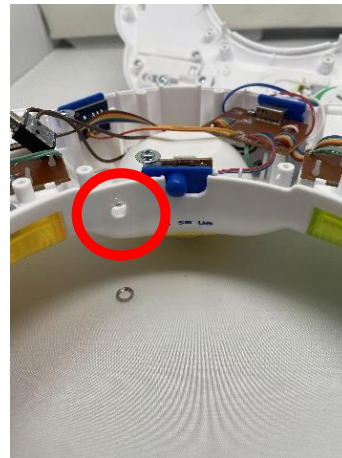
Switch Adapted Glow & Discover Light Bar

MAKER GUIDE



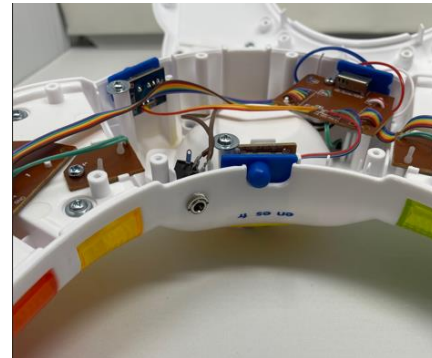
Step 12: Drill a hole in the toy

Using a drill with a 1/4" drill bit, put a hole in the toy enclosure as indicated



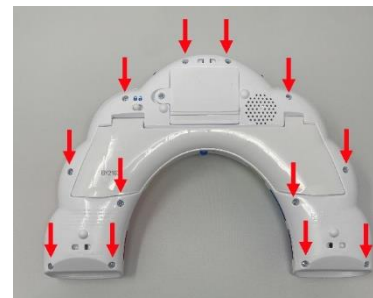
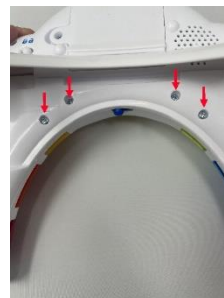
Step 13: Install the Jack Nut

This will keep the jack locked to the side of the toy enclosure



Step 14: Reassemble the toy

Remount the switch PCB using two screws, then close up the toy and re-screw the toy enclosure.



Switch Adapted Glow & Discover Light Bar

MAKER GUIDE



Step 15: Replace it in the Box

Carefully re-box the toy into its original packaging, and secure the top flap with Clear Tape.

