

LEARN HOW TO BUILD

SWITCH ADAPTED BLUEY TOY



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ADAPTED TOYS



MONO JACK



WIRE STRIPPER



SCREW DRIVER



ZIP TIE



3D PRINTED SWITCH



SOLDERING IRON

STEP 1

Carefully remove the toy from the package as we plan to reuse. Use your wire stripper or a scissor.

STEP 2

Open up the back of the toy and turn onto "On" mode. Test that the toy works!

STEP 3

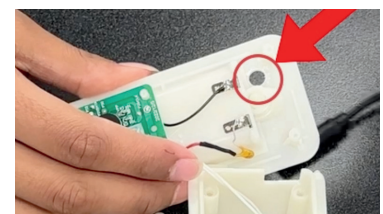
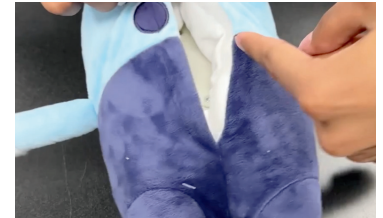
Carefully pull out the battery compartment and use a scissor to cut and remove the zip tie. Pull out the compartment.

STEP 4

Remove the 4 screws using your screwdriver and carefully put aside. You will need it later. Carefully open the compartment and be careful of the speaker wire.

STEP 5

Ask a robotics team member for help drilling a hole into the compartment for the mono jack.



STEP 6

Thread the mono jack through the hole you made so that the jack part is outside the box and the bare wires are facing inside the box.

STEP 7

Ask for a robotics team members help. You will solder the mono jack cables (one to the left arrow and one to the right arrow). Make sure the wires do not touch anywhere else. Give it a gentle tug to make sure the wires are securely connected.

STEP 8

After the soldering is complete, it is a good idea to test that the toy works. Plug in your 3D printed switch into the mono jack cable and make sure it makes noise.

STEP 9

To secure the mono jack add a dab of hot glue on the inside of the compartment inside the hole before you close up the battery compartment.

STEP 10

Carefully close up the battery compartment using your screwdriver and the original 4 screws that came with your toy.

STEP 11

Thread your zip tie around the fabric opening and slip your compartment back inside and secure with the zip tie. Close up your toy with the mono jack coming out the back of the toy. Test your toy with the switch. Congratulations!

