

Switch-Adapted Water Gun

ASSEMBLY GUIDE

Required Components

Electric Water Gun



3.5mm Mono Jack with Nut



Wire (about 200 mm)



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Required Tools

Phillips Head Screwdriver

Drill with 15/64"

Wire Strippers

Wire Cutters

Soldering Iron and Solder

Required Personal Protective Equipment (PPE)

Safety Glasses

Heat-Resistant Gloves (Optional, for soldering)

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Assembly Steps

Step 01: Remove all screws from the water gun.

Remove all screws from the water gun. Following the removal of the screws in the blue plastic, one additional screw can be found under the blue plastic piece. Be sure to hold onto the screws!



Step 02: Detach the upper and lower components of the water gun.

Detach the upper and lower components of the water gun which were attached by the screws. The other side does not need to be disassembled.



Step 03: Drill a hole in the white plastic.

Using a drill with a 15/64" or 6mm plexiglass bit, drill a hole in the far back flat section of the white plastic. See picture below for specific location.



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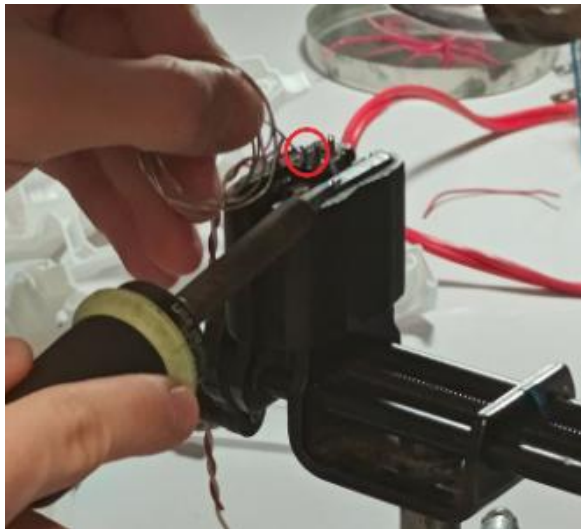
Step 04: Test and secure the jack.

Following the drilling of the hole, remove the nut from the jack and then insert the jack into the drilled hole to ensure it fits. Replace the nut on the jack and tighten to ensure the fit is snug.



Step 05: Solder the wires to the jack.

Solder the wiring to the jack (make sure you have stripped the ends of the wires so that the metal is exposed), ensure that you solder the two parts of the jack that are closest together as shown in the image.



Step 06: Fit the jack back into the hole.

Fit the jack back into the hole that you tested out in step 4.



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Step 07: Solder wires to the trigger button.

Solder the other end of the wires that you soldered to the jack alongside the wires that are connected to the button near the trigger (circled in red below).



Step 08: Reassemble the water gun.

Reassemble the gun by re-screwing what was removed.



Step 09: Mount the gun onto the 3D printed base.

Place the now reassembled gun onto the 3D printed base, use a rubber band on the front to hold down the gun more tightly. Grab a wooden board and place the base on top of it then use a screw to pin the base onto the board to create a rotating system.

