



Ryobi 18V Battery Powered Portable Radio



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Summary

I took the Ryobi Battery connector and removed the ears so it could be glued into the opening in the side of my Sony...

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I took the Ryobi Battery connector and removed the ears so it could be glued into the opening in the side of my Sony portable radio. The radio is more or less hollow in the end allowing room for the battery and a DC-DC converter (set for 18V to 6V operation). I also added a green switch so that I can turn off the battery so it doesn't run down due to the DC-DC converter. I like knowing that I don't have to have D cells around in case of an emergency. I always have charged Ryobi batteries in my garage.

I cut the hole by covering the area on the side of the radio with masking tape. I held the battery connector face down where I wanted the opening and traced it with a pencil. I then drilled a few holes around the pencil line and used a Dremel tool with a rotary rasp to cut out the area. I filed the opening smooth and glued the connector into the opening.

Not all radios will have enough room to add an 18V Ryobi Battery connector. You can also add the battery outboard of the radio.

Original Ryobi battery connector design with and without mounting ears.
<https://www.thingiverse.com/thing:4129039>

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Model files



ryobi_18v_batt_connect_no_ears_v3.stl



ryobi_18v_battery_connector_tower_v4.stl

[Find source .stl files on Thingiverse.com](https://www.thingiverse.com)

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