

ICOM XT-90 Power Connector Conversion

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VIEW IN BROWSER

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Summary

A power connector conversion adapter to use an XT90 Panel mount to replace the MOLEX conn on an icom 718 RADIO

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I saw a conversion for the Anderson Power poles, Icom IC-718 Anderson power pole conversion by Lunchbox7985 on Thingiverse: <https://www.thingiverse.com/thing:5624994>

But I like the XT90 connectors better, so I created a new model based on the above to slide in place of the old 6 pin Molex connector. The adapter utilizes a panel mount XT90 connector, that is Screw mounted onto it instead of the radio Chassis, so no mods needed other than to solder on new power wires. This will work on ANY device that has the same opening dimensions and thickness.

The model printing specs may need to be modified for your version printer to maximize the print density of the inner fill so there is plenty material for the screws that you use to bite and hold. I did NOT add holes for the screws as there can be variations in the hole spacing for the mount you

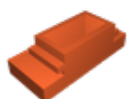
purchase, so you will need drill appropriate sized holes. (#50 - #48 Drill)
The standard M3x.5 thread screws that came with the mounts cut the plastic well, otherwise use what works, and don't over tighten.

I printed with PLA+ with standard Temp settings on a Creality Ender 3 V3.
Modify model if needed for your application. I used TinkerCAD for this model.

NOTE:

IF you need help with soldering - Contact your local Elmer for assistance (Not Mr. Fudd) - Also There is NO Warranty or guarantee that this will work for your needs, and any and all Mods are at your hands, and your own responsibility to ensure the appropriateness and safety of use of this model.

Model files



icom_718_power_xt90_ver_3.stl

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