

Baofeng UV-5R charging circuit case



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Summary

This case is putting on Baofeng radio and battery and let add circuits to charging battery from USB.

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Baofeng UV-5R charging circuit case

This case is putting on Baofeng radio and battery and let add circuits to charging battery from USB.

Really annoying than baofeng used chargind dock as only option to charge, so I wanted to make my UV-5R charge from USB. You can use any modules to charge, this case only helps you hide it.

To charge battery you have to put 8.4V and limit current. In my case I used step-up module, set it to 8.3V (for safety) and limited current with 5 Ohm resistance.

Be careful to use resistance with enough power rating. Needed about 1-2W resistance.

There's no additional mounts to fix modules inside, so use glue to it.

Take note, this thing will fix battery and make it non quickly replaceable.

Optimized for FDM printing

Made for model: Baofeng UV-5R may be compatible with others, I dont

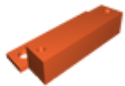
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Screws recommended: 2mm thick x 7mm length

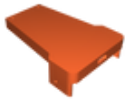
Model files



2023-12-06-baofeng-uv-5r-charger-v6.f3d



v4-bao-topplate.stl



v6bao-base.stl

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