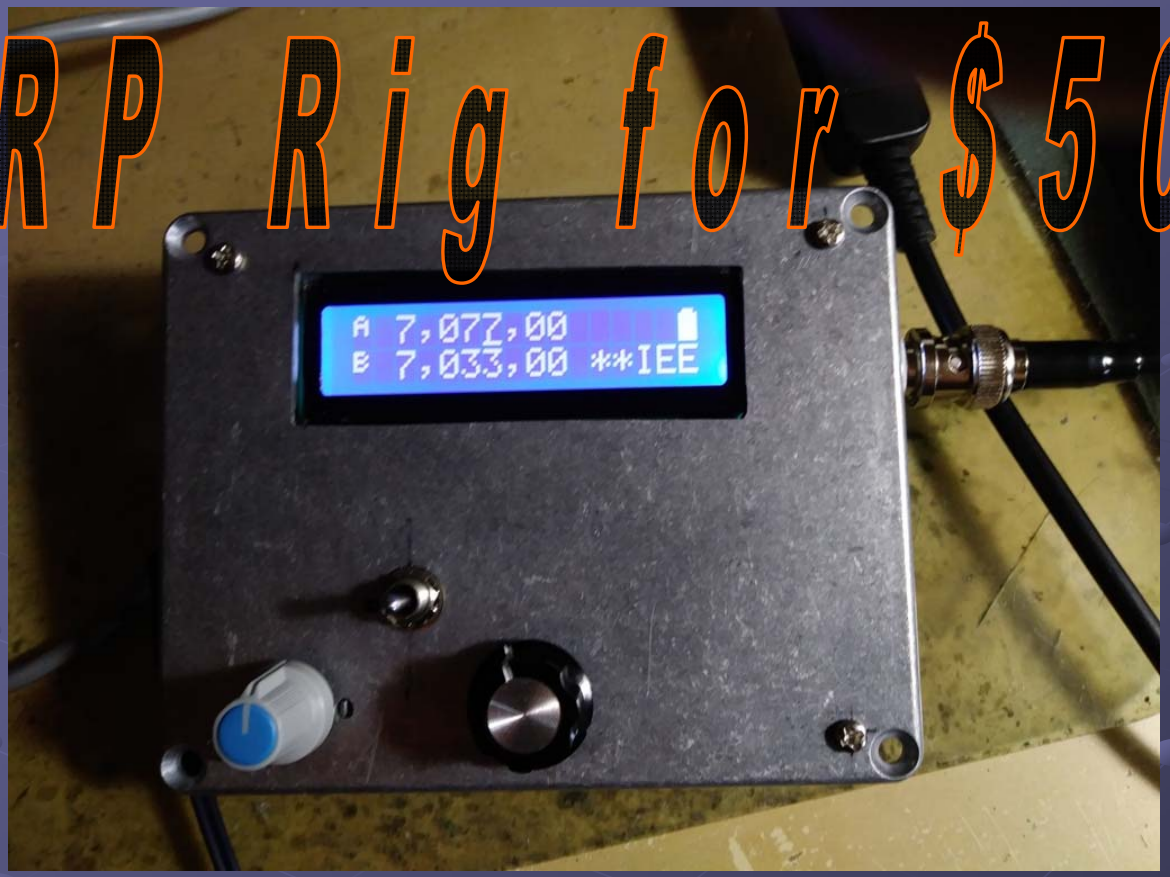
A QRP Rig for $50...

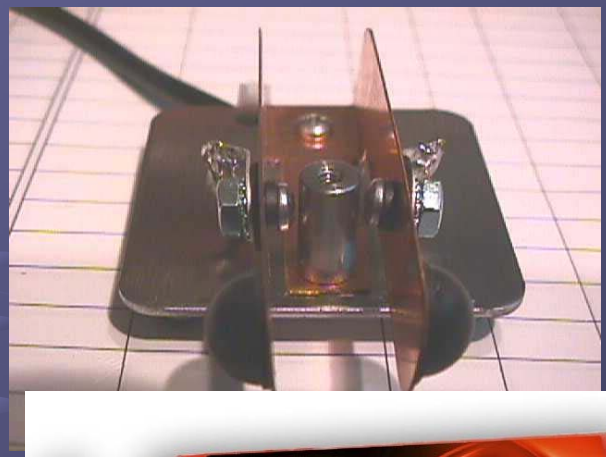


by
Alex Schwarz
(VE7DXW)

…not quite…

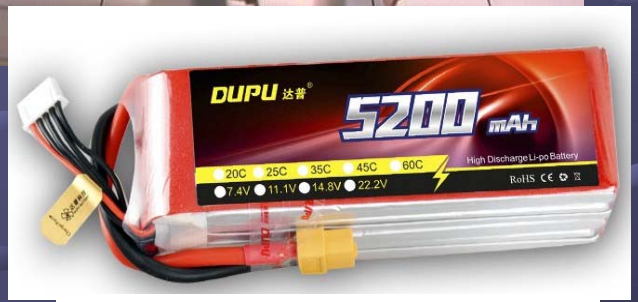
Mobile Morse Code Key: MFJ-561

https://www.qsl.net/n0uf/mfj.htm



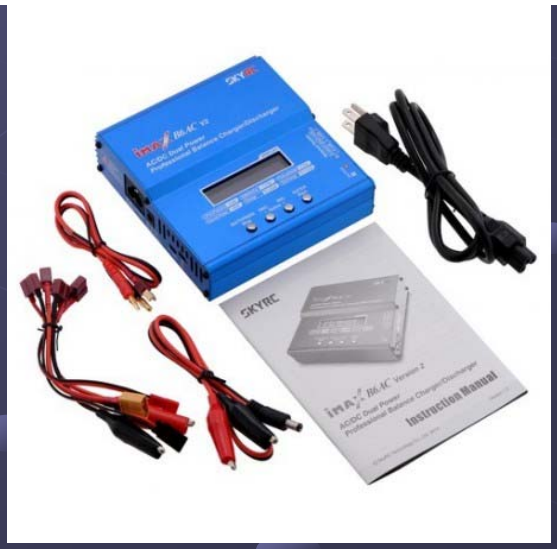
Lithium Polymer Battery

14.8 V 2600 mA/h



Lithium Polymer Battery charger with balance input.

https://leeselectronic.com/en/product/15142.html



And two enclosures, nuts and bolts….

...and lots of patience!

Specs of the unit

- Power output at 14.7V is 5W
  - PA uses an efficient class E amp with about 70% efficiency
  - Harmonics are down – 35 dB
  - Output filter uses a 3 inductor filter pass
- Sensitivity: good enough the hear weak signals (-110dB for MDS)

References

QRP Laps Website

https://www.qrp-labs.com

Building instructions for QRP Rig

https://www.qrp-labs.com/images/qcx/assembly_A4_Rev_4b.pdf

Building instructions for GPS unit

https://www.qrp-labs.com/qlg1.html

Lithium Polymer Battery

https://blog.ampow.com/lipo-voltage-chart/

Questions?

Contact information:

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Website: **http://users.skynet.be/myspace/mdsr/**

IO Groups user group: **https://groups.io/g/MDSRadio**

SciStarter: **https://scistarter.com/project/21138-RF-Seismograph**

Thank you for your interest and participation in this presentation