

# KITS & HOMEBREW PROJECTS

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**Five Dash**  
**Pacific Antenna**

**HobbyPCB**

QRPme

**Elecraft**

QRPGuys

QRP Labs

Emtech

Norcal

Frog Sounds

Pixie

49er

Four State QRP

N6QW

Oak Hills

QRPVER



# FIVE DASH INC

[FIVEDASH.COM](http://FIVEDASH.COM)



Going Out of  
Business

# Pacific Antenna

*Affordable QRP Antennas and Kits at exceptional value*

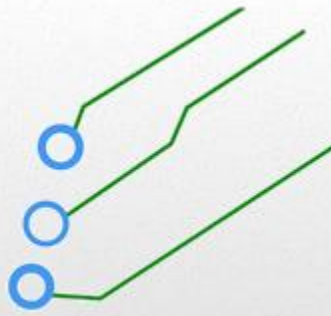
PACIFIC ANTENNA

[WWW.QRPKITS.COM](http://WWW.QRPKITS.COM)



HOBBYPCB

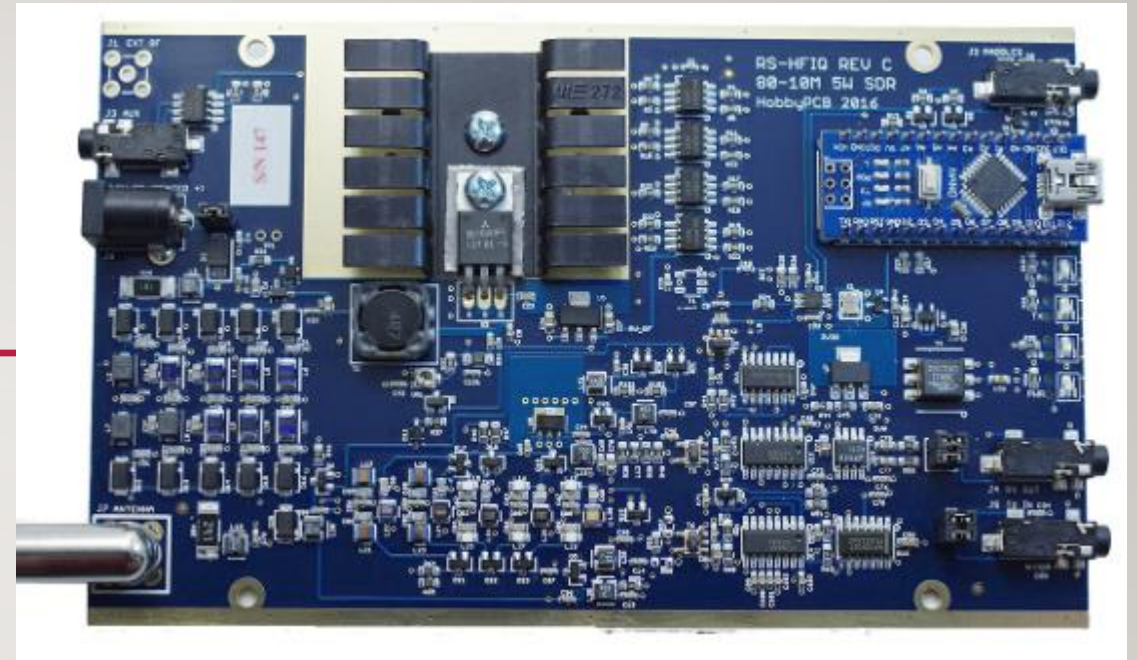
[WWW.HOBBYPCB.COM](http://WWW.HOBBYPCB.COM)



HobbyPCB



# RS-HFIQ



- HDSDR on a computer
- Raspberry Pi 3 B + QUISK
- IC32
- Make up your own

# QRPME

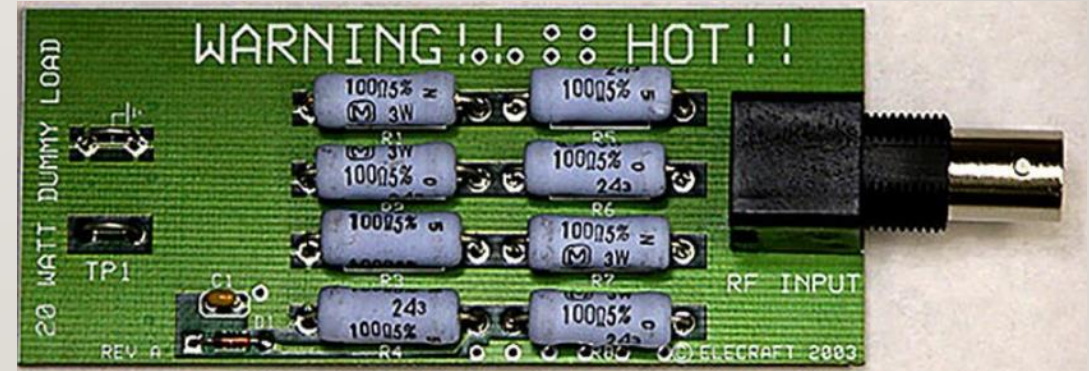
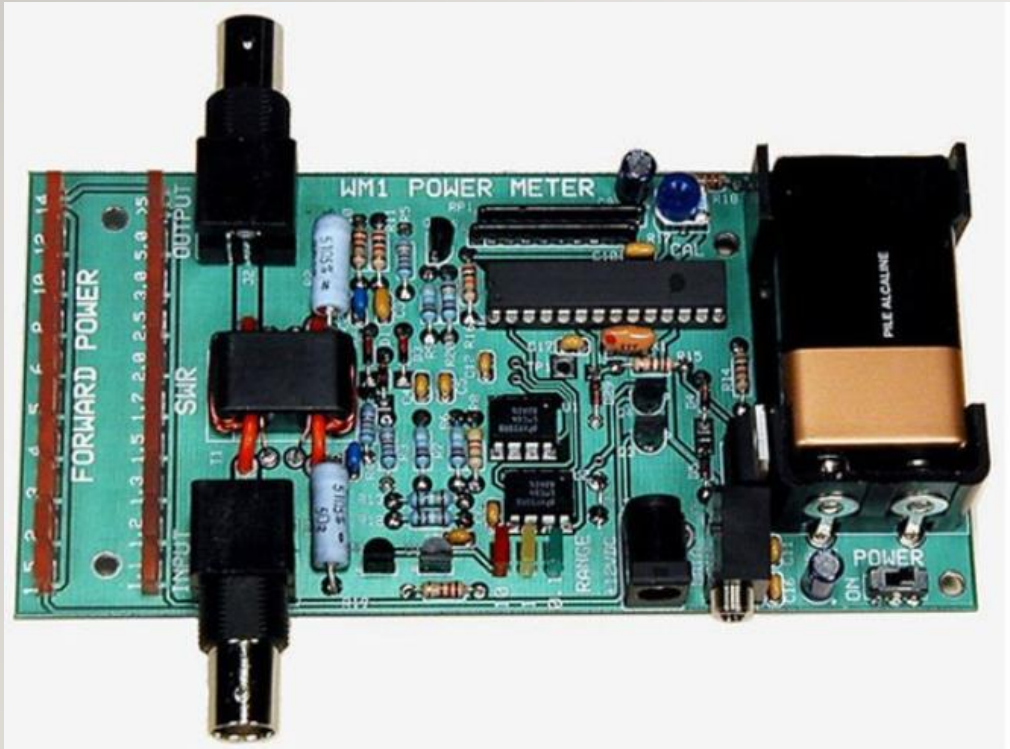
[WWW.QRPME.COM](http://WWW.QRPME.COM)

# QRPme



# ELECRAFT

[HTTPS://ELECRAFT.COM](https://elecrafter.com)



# ELECRAFT





# QRPGUYS

[QRPGUYS.COM](http://QRPGUYS.COM)



## QRP LABS

[QRP-LABS.COM](http://QRP-LABS.COM)



5W QRP CW TX for \$50 - This is a kit that comes with 140 page build instructions. If you follow the instructions, you will end up with a radio that works (unless you think you know what you are doing and skip the instructions and then have to fix your radio). This is a single band radio that is available for 80, 60, 40, 30, 20 or 17m

# A Modular 40 Meter CW Transceiver with VFO

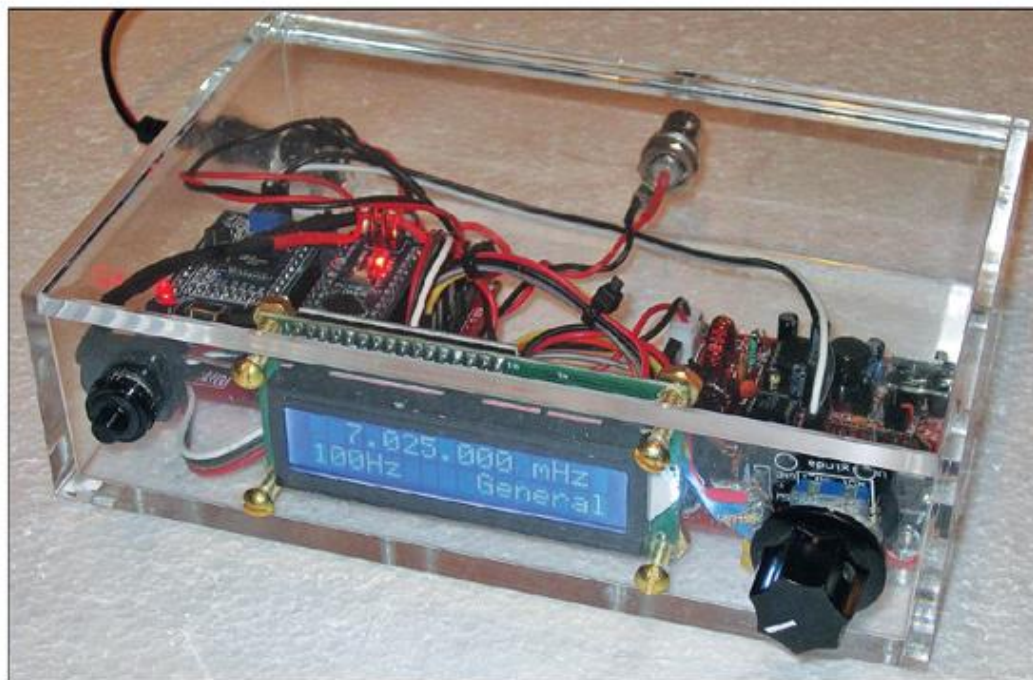
**Add a digital display and frequency control to a popular QRP rig.**

**Dr Jack Purdum, W8TEE; Farrukh Zia, K2ZIA, and Dennis Kidder, W6DQ**

Way back in my Novice class license days, you had two choices for getting a rig: You either built it from scratch, or from a kit. There's a tremendous feeling of accomplishment and pride when you make contacts on something that you've built.

Today, we can build a VFO-controlled 40 meter band CW transceiver with an LCD display for less than \$50. We snap prefabricated modules together in LEGO® fashion, and end up with a viable and fun transceiver. You can easily integrate the VFO/display board presented here into virtually any other rig and cover 160 to 10 meters.

At the Milford Amateur Radio Club Field Day location, we always have a GOTA (Get On The Air) station set up, where



**Figure 1** — The modular transceiver in a clear acrylic housing.

As far as quality goes, the QCX and NC40A beats all the cheap Chinese radios. The NC40A is actually the great-great-great-grandfather of your KX2 or KX3 - it was designed by Wayne Burdick (N6KR) of Elecraft fame.

# EMTECH

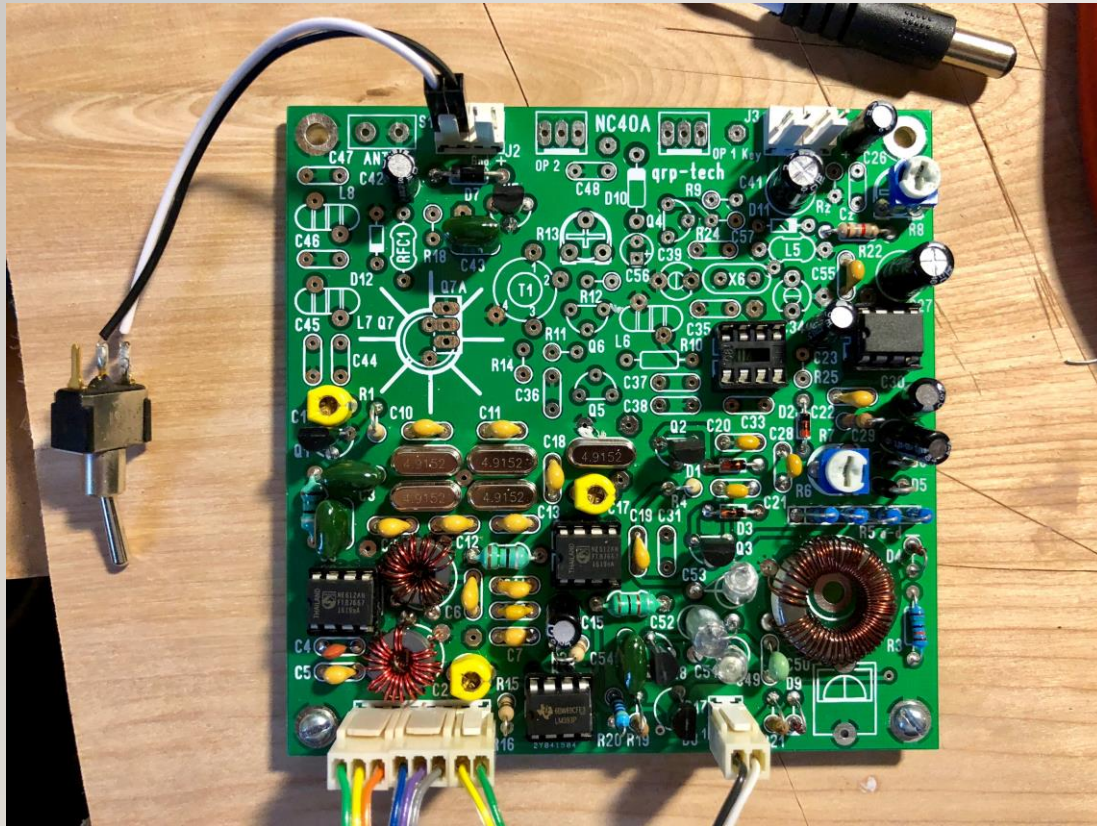


[HTTPS://STEADYNET.COM/E.TECH/](https://steadynet.com/e.tech/)

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# NORCAL QRP CLUB



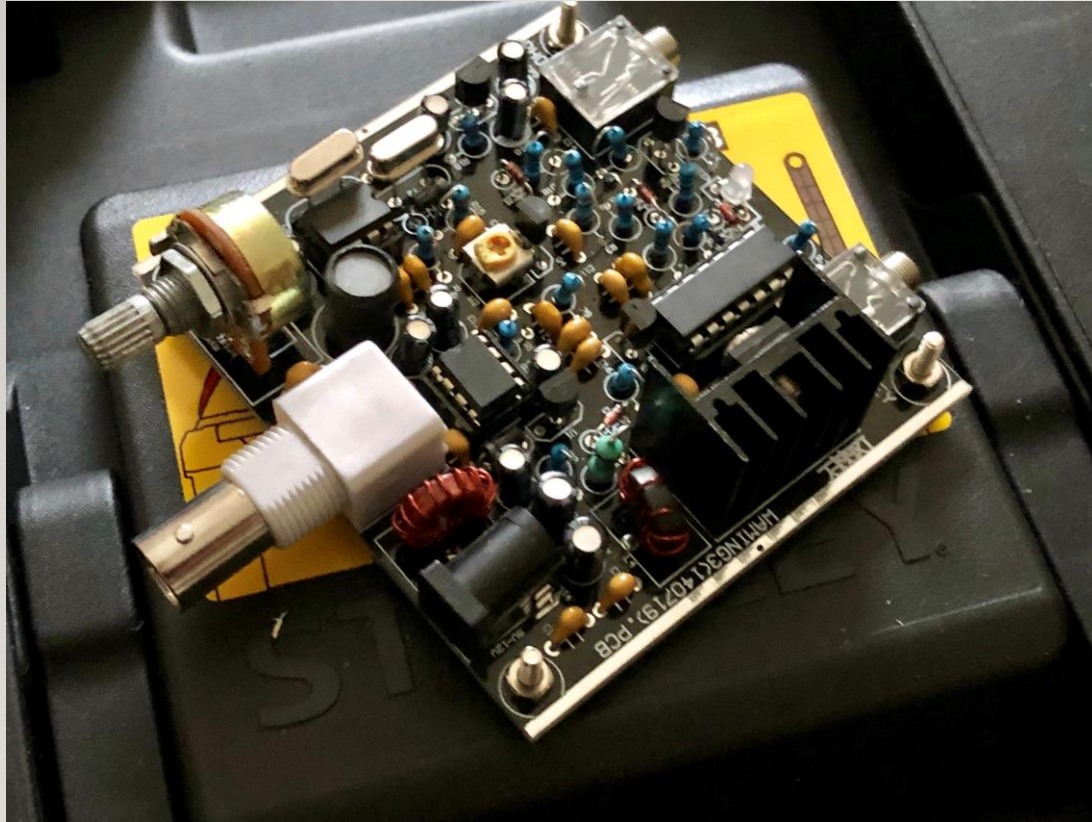
NC40A from the now defunct NorCal QRP Club. Video instruction about a refresh of the build for the 25th anniversary of the kit:

<https://www.youtube.com/watch?v=A7EF3TbIBWs&feature=youtu.be> (this is the first video of a series).

The gerber files for the PCB are available. You will have to source your own parts.

# FROG SOUNDS

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Frog Sounds CW QRP 40m radio kit for \$10:  
<https://www.ebay.com/itm/Frog-Sounds-HAM-Radio-QRP-Kit-Telegraph-CW-Transceiver-Receiver-Radio-Station-V3/25375965782?hash=item3b1541175d:g:UScAAOSwa8dZ143m> (only one example there are numerous auctions/buy it now on eBay)

# PIXIE CW QRP

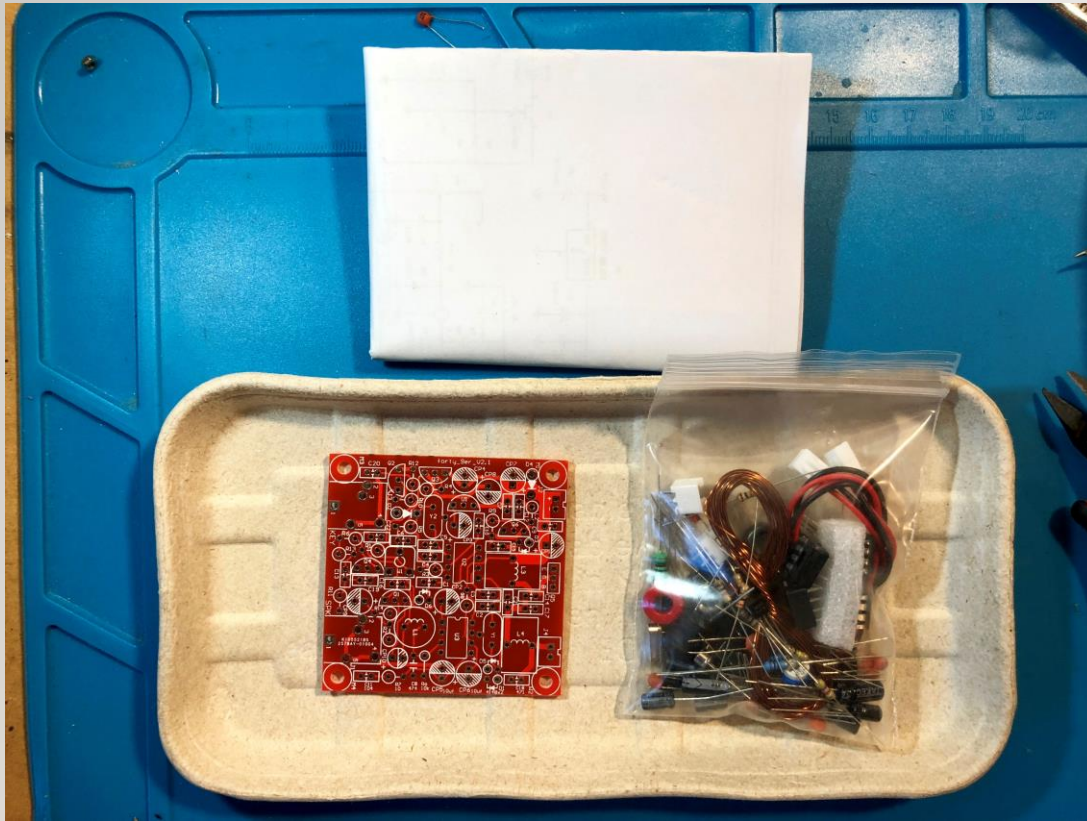


Pixie CW QRP 40m radio kit for \$2.91 (based on today's exchange rates):  
<https://www.ebay.com/itm/DIY-RADIO-40M-CW-Shortwave-Transmitter-QRP-Pixie-Kit-Receiver-7-023-7-026MHz-GM/262600598206?hash=item3d243722be:g:dL0AAOSwfX9cBydV>

The cheap Chinese radios have one big problem: They are crystal controlled and the crystal that comes with the radio is for the Extra band - a good reason to upgrade a General license :) They can be used with other 40m crystals. The Pixie only needs one, the Frog Sounds and Forty-9er need two crystals with the same frequency.

If you want to understand how the Pixie works, there is a good presentation available here: [http://w1sy.org/wp-content/uploads/2017/01/NCRC\\_PixieOperation.pdf](http://w1sy.org/wp-content/uploads/2017/01/NCRC_PixieOperation.pdf)

# FORTY-9ER CW QRP



Forty-9er CW QRP 40m radio kit for about \$10:  
<https://www.ebay.com/itm/DIY-KITS-Forty-9er-3W-HAM-Radio-QRP-CW-TRANSCEIVER-HF-Radio-Telegraph-Shortwave/131680713469?epid=1061285308&hash=item1ea8c83afd:g:jasAAOSwhkRWdguo> (only one example there are numerous auctions/buy it now on eBay)

There are instructions to convert the Forty-9er into a digitally controlled radio in QST 3/2016, but the assembly instructions can be downloaded for free here:

<http://www.farrukhzia.com/k2zia/Purdum0316-QST-in-Depth-AssemblyManual.pdf>



# FOUR STATE QRP GROUP

[WWW.4SQRP.COM](http://WWW.4SQRP.COM)



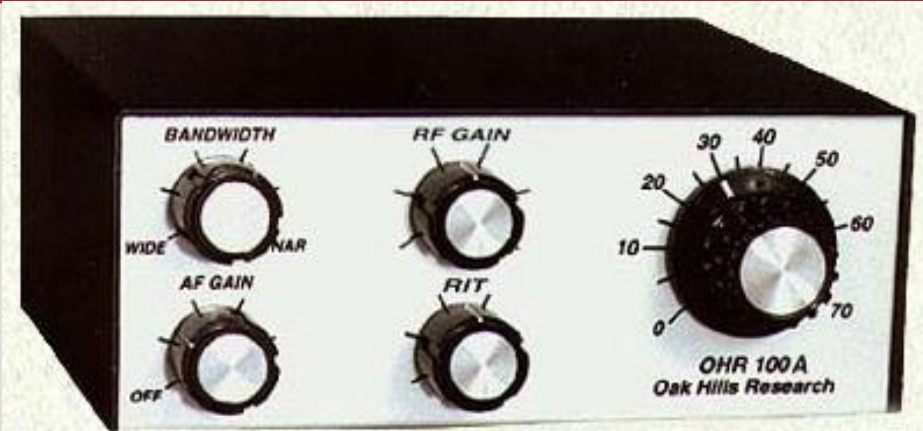
# N6QW PETE JULIANO

[WWW.N6QW.COM](http://WWW.N6QW.COM)



# OAK HILLS RESEARCH

[WWW.OHR.COM](http://WWW.OHR.COM)



**The OHR 100A  
CW Transceiver Kit**



# QRPVER

[QRPVER.COM](http://QRPVER.COM)

