



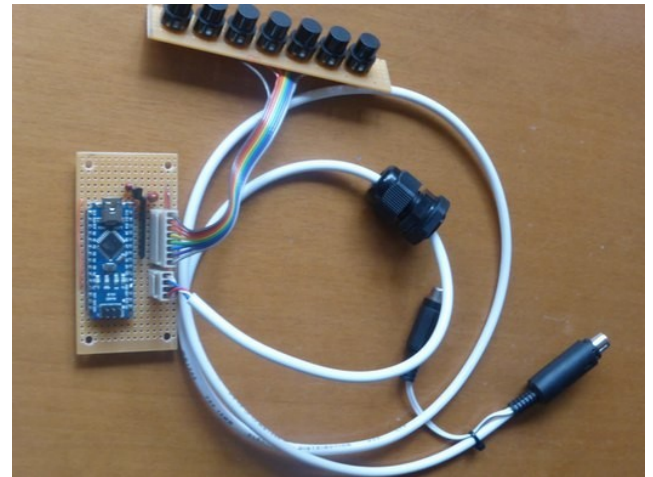
Homebrew Group Newsletter  
#62 April 2019

Compiled by Rob Whitmore  
VK3MQ

Gadgets are by definition small projects, often using recycled components, which can be completed in an evening or weekend.

Despite the diminutive status they can add great functionality to a station.

The humble “Roger Beep” is a prime example signifying the end of transmission under weak signal conditions.



<http://www.spirat.com.au/vk5zvs/pic33.htm>

<http://www.vklogger.com/forum/download/file.php?id=2275>

\*Note this will download the file to your default destination.

[http://www.mancuso.net.au/roger\\_beep.html](http://www.mancuso.net.au/roger_beep.html)

- A nice example of home workshop

<http://www.duntemann.com/12vtubes/shoptips.htm>

- An Arduino signal generator using module easily sourced from the internet

<https://www.cwtd.org/2018-04-10.html>

- A simple yagi for 70cm

<https://goughlui.com/2016/08/05/diy-build-a-70cm-band-yagi-for-amateur-satellite-tracking/>

- Not a project but a useful software gadget to alert the operator of an upcoming satellite pass.

<https://www.g0kla.com/klatrack/index.php>

- A Bluetooth CAT interface.  
[https://www.george-smart.co.uk/scrapbook/bluetooth\\_radio\\_interface/](https://www.george-smart.co.uk/scrapbook/bluetooth_radio_interface/)
  - Add a VOX for data to an FT817. A through hole 1/8 watt resistor might be a better selection for this mod.  
<http://www.geekshed.co.uk/adding-vox-to-dig-mode-on-ft-817/>
  - A generic antenna mount for experiment and permanent installations  
[https://vk6ysf.com/Generic\\_Antenna\\_Mount.htm](https://vk6ysf.com/Generic_Antenna_Mount.htm)
  - A weekend project just for fun  
<https://www.dl6zb.de/Single%20Transistor%20Transmitter%20and%20Receiver.html>
  - A simple DSB transceiver  
<https://www.hamradio.in/circuits/spotto.php>
  - A dummy load to test your amplifier or transmitter.  
[http://www.wia.org.au/members/armag/2010/december/documents/Wall\\_VK3YC\\_150W\\_Load.pdf](http://www.wia.org.au/members/armag/2010/december/documents/Wall_VK3YC_150W_Load.pdf)
  - A simple Arduino weather station.  
<https://maker.pro/arduino/projects/arduino-weather-station>
  - How many times have you seen an advertisement for a proprietary tone board for an older FM radio? This might be the answer.  
<http://www.pa3guo.com/downloads.html>
- If you can understand Dutch the original presentation will explain the project  
[http://www.pa3guo.com/PA3GU0\\_Arduino\\_CTCSS\\_v1.2.pdf](http://www.pa3guo.com/PA3GU0_Arduino_CTCSS_v1.2.pdf)
- A “good enough” GPS standard for rig locking.  
<http://la3za.blogspot.com/2015/10/just-good-enough-10-mhz-reference.html>
  - Collapsible antennas for portable work are not new but this one is definitely unique!  
<https://makezine.com/2010/05/01/collapsible-fabric-yagi-antenna/>
  - Having trouble with television interference?  
<http://www.vk3nx.com/TVIfilters.html>

As you can imagine compiling a newsletter, whilst not an arduous task, does take some time and “stretches” the editor in providing links of interest to most readers. Contributions and ideas are always welcome and here are two from Lou Blasco VK3ALB.

<https://buildyourownantenna.blogspot.com/2014/07/double-biquad-antenna-calculator.html>

<https://antennatestlab.com/3dprinting>

Please send your contributions to:

[homebrew@amateurradio.com.au](mailto:homebrew@amateurradio.com.au)

A thought for the week:

“Intellectual brilliance is no guarantee against being dead wrong.”

David Fasold

73's

Rob VK3MQ