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/*+++++
#+
#+  Glade / Gtk Programming
#+
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#+
#++++++*/

```

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Possible Error Conditions

If you have more than one microphone on your system, be sure the correct mic is designated as the default mic (see Pulse sound preferences panel app or pavucontrol). This must be done prior to starting this application.

If Pulse becomes confused, as to settings, delete the directory `~/.config/pulse` and re-boot. That is, if the app meters register no sound and/or the Pulse Volume Meter (pavumeter) registers no sound. When you reboot, the pulse directory will be re-built.

Installation

To compile from source code, you will need to first install any library software probably not already on your system. To do this, please run *GeneralInstall.script* as root. This will install (via *apt install*) any standard system packages you may be missing. These include graphical and audio libraries. Without these, the code will not compile or work.

You must be *root* when running *GeneralInstall.script*.

The script file uses *apt-install* which should work on any system that uses same. Fedora, Manjaro and other distros use different installation apps and this script will not work with them. Additional scripts for other distros are being developed.

The code has been developed using 'out-of-the-box' default desktop themes on Mint Mate 21.3 with the Mint-X theme. Desktop themes may influence the way graphical objects render.

To compile the source code, after installing any needed packages, type:

```
make
```

To execute the binary, type

```
vumeter-bin
```

The file *part1.glade* contains the Glade layout code in the event you want to make changes.

The file *icons/meter.png* contains the background for the classic fu meter layout. You may replace this with an identical dimensioned image of the same name and re-compile.

The code should work with Windows 11 WSL2 Ubuntu but only on audio passing through PulseAudio.

Command Line Options

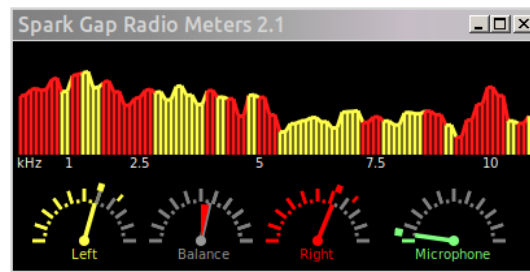
The command line options for *vumeter-bin* are:

```
Usage: -ablBwh?s
-a      show arcs
-A      no show arcs [default]
-c      centered spectrum
-C      not centered spectrum [default]
-g      spectrum graph only
-l      connecting lines
-l      no connecting lines [default]
-m      meters only - no spectrum graph
-w      wide spectrum
-v      vu meters
-s val  sample rate [50]
-h      help
-?      help
```

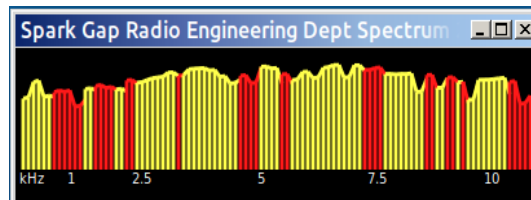
Not all combinations work!

Examples

vumeter-bin



vumeter-bin -g



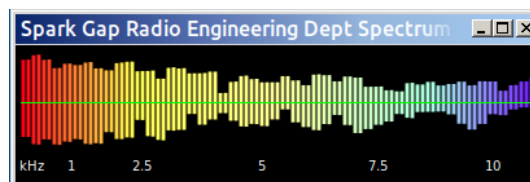
vumeter-bin -m



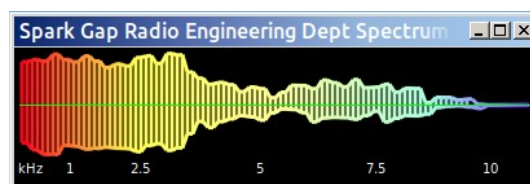
vumeter-bin -ma



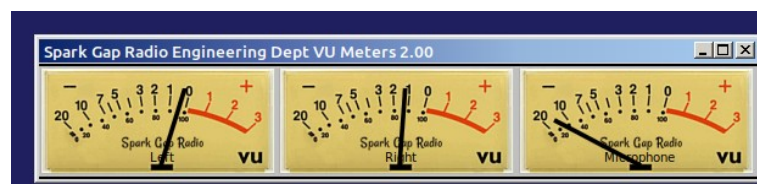
vumeter-bin -gcL



vumeter -gcl



vumeter-bin -v



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