



 [VK2BEA / HP8753-Companion](#) Public

Facilitate and enhance the functionality of the HP8753 Vector Network Analyzer



 Apache-2.0 license

 0 stars  0 forks

[Code](#)
[Issues](#)
[Pull requests](#)
[Actions](#)
[Projects](#)
[Wiki](#)
[Security](#)
[Insights](#)

 main ▾

[Go to file](#)

 Heterodyne initial import ... 1 hour ago  2

[View code](#)

 README.md

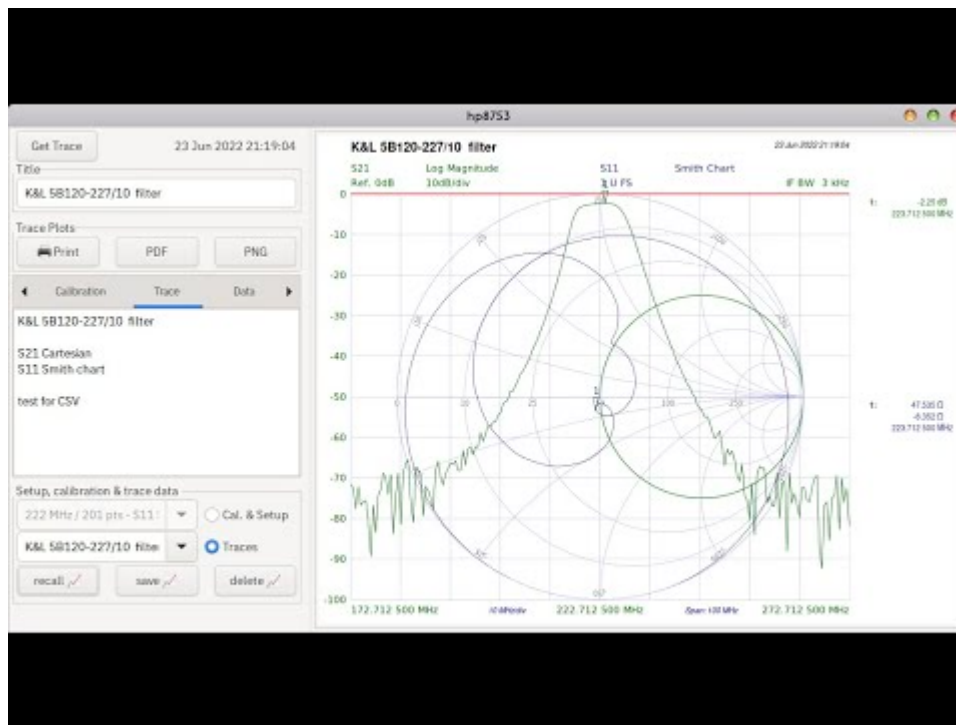
# HP8753 Companion

## Michael G. Katzmann (NV3Z/VK2BEA/G4NYV)

This is a program to augment functionality of the HP 8753 Vector Network Analyzer:

1. Save calibration and setup / Restore calibration & setup
2. Transfer trace data from HP8753 and display on Linux computer - also use the mouse to examine the trace (show source and response settings at corresponding mouse position)
3. Print and save traces as an image files (PNG or PDF)
4. Save trace data in CSV or Touchstone S2P format
5. Print traces to connected printer

Please see the YouTube description here:



## To install on the Linux Fedora distribution:

```
sudo dnf -y copr enable vk2bea/GPIB
sudo dnf -y copr enable vk2bea/HP8753
sudo dnf -y install hp8753 linux-gpib-firmware
```

## To build & install using Linux autotools, install the following required packages & tools:

- automake , autoconf and libtool
- To build on Raspberri Pi / Debian: libgs-dev libglib2.0-dev libgtk-3-dev libsqlite3-dev
- To run on Raspberry Pi / Debian : libglib-2, libgtk-3, libgs, libsqlite3, libgpib, fonts-noto-color-emoji

Install the Linux GPIB driver: See the `GPIB-Linux.driver/installGPIBdriver.on.RPI` file for a script that may work for you to download and install the Linux GPIB driver, otherwise, visit <https://linux-gpib.sourceforge.io/> for installation instructions.

Once the prerequisites (as listed above) are installed, install the 'HP8753 Companion' with these commands:

```
$ ./autogen.sh
$ cd build/
```

```
$ ../configure
$ make all
$ sudo make install
```

To run:

```
$ /usr/local/bin/hp8753
```

To uninstall:

```
$ sudo make uninstall
```

## Releases

No releases published

---

## Packages

No packages published

---

## Contributors 2



**VK2BEA** Michael G. Katzmann



**Heterodyne** Michael Katzmann

---

## Languages

● C 66.1% ● Shell 33.3% ● Other 0.6%