

GPIB on Raspberry Pi

1. Open the Raspi Desktop. Install Linux Gpib und Raspi Gpib. (Version 4.3.3 with Patch 4.3.0 are installed.)

https://github.com/elektronomikon/raspi_gpib_driver

<https://sourceforge.net/projects/linux-gpib/files/>

2. Change the gpib_config und gpib.conf files.

```
>>> sudo nano /etc/gpib.conf (content in file gpib.config.txt)
>>> sudo nano /etc/init.d/gpib_config (content in file gpib_config.txt)
>>> sudo cp /etc/gpib.conf /usr/local/etc/gpib.conf
>>> sudo modprobe gpib_common
>>> sudo modprobe raspi_gpib
>>> sudo ldconfig
>>> sudo gpib_config
```

3. use ibterm and ibtest to send GPIB commands and get the results. GPIB address of keithley 2000 is set as 19.

```
>>> ibterm -d 19 -N (Enter)
```

Enter

“Keithley

```
>>> ibtest
```

d

19

w

*IDN?

R

100

“Keithley