

When our USB device is not enumerated, we can restart the USB device and disconnect the USB power as follows:

Install and compile uhubctl

```
sudo apt-get install gcc
sudo apt-get install make
sudo apt-get install libusb-1.0
sudo apt-get install git
git clone git://github.com/mvp/uhubctl
make
sudo ./uhubctl
```

It can restart the four USB ports at the same time. When the fourth USB is turned off, all USB ports will be restarted.

```
sudo ./uhubctl -l 1-1 -p 1 -a off&&sudo ./uhubctl -l 1-1 -p 2 -a off&&sudo ./uhubctl -l 1-1 -p 3 -a
off&&sudo ./uhubctl -l 1-1 -p 4 -a off
```

reboot the power of the uhubctl

```
sudo ./uhubctl -l 1-1 -p 1 -a off
```

```
pi@raspberrypi:~/Videos/uhubctl $ sudo ./uhubctl -l 1-1 -p 1 -a off
Current status for hub 2 [1d6b:0003 Linux 5.10.63-v7l+ xhci-hcd xHCI Host Contro
ller 0000:01:00.0, USB 3.00, 4 ports, ppps]
  Port 1: 0080 off
Sent power off request
New status for hub 2 [1d6b:0003 Linux 5.10.63-v7l+ xhci-hcd xHCI Host Controller
 0000:01:00.0, USB 3.00, 4 ports, ppps]
  Port 1: 0080 off
Current status for hub 1-1 [2109:3431 USB2.0 Hub, USB 2.10, 4 ports, ppps]
  Port 1: 0103 power enable connect [0483:5750 STMicroelectronics STM32 Custom H
uman interface 667A1DC10A37]
Sent power off request
New status for hub 1-1 [2109:3431 USB2.0 Hub, USB 2.10, 4 ports, ppps]
  Port 1: 0000 off
```