

Viomi V2 über Windows

Linux-Distro auf Windows installieren

Powershell (Standard Ubuntu Installation):

```
wsl --install
```

USBIPD installieren, um USB auf WSL umzuleiten: <https://learn.microsoft.com/de-de/windows/wsl/connect-usb>

```
usbipd list
```

```
PS C:\Users\hdung> usbipd list
Connected:
BUSID  VID:PID    DEVICE                                     STATE
1-2    0b05:19af  AURA LED Controller, USB-Eingabegerät   Not shared
1-5    1043:857c  Xonar U7, USB-Eingabegerät              Not shared
1-7    1e71:2007  USB-Eingabegerät                        Not shared
1-9    18d1:d002  Android                                  Not shared
1-10   046d:c539  PRO WIRELESS, USB-Eingabegerät, LIGHTSPEED Receiver, Virt... Not shared
1-11   046d:c52b  Logitech USB Input Device, USB-Eingabegerät Not shared
1-14   8087:0026  Intel(R) Wireless Bluetooth(R)         Not shared
2-3    05e3:0749  USB-Massenspeichergerät                 Not shared
2-4    0b95:1790  ASIX USB to Gigabit Ethernet Family Adapter Not shared
6-1    4355:0082  USB-Eingabegerät                        Not shared
6-2    0951:1718  HyperX Cloud II Wireless, USB-Eingabegerät Not shared
7-5    2109:8888  USB Billboard Device                    Not shared

Persisted:
GUID                                     DEVICE
```

Hier Android=Viomi V2 freigeben:

Freigabe mit Adminrechten:

```
usbipd bind --busid 1-9
```

Bind an geöffnete WSL-InstanzL:

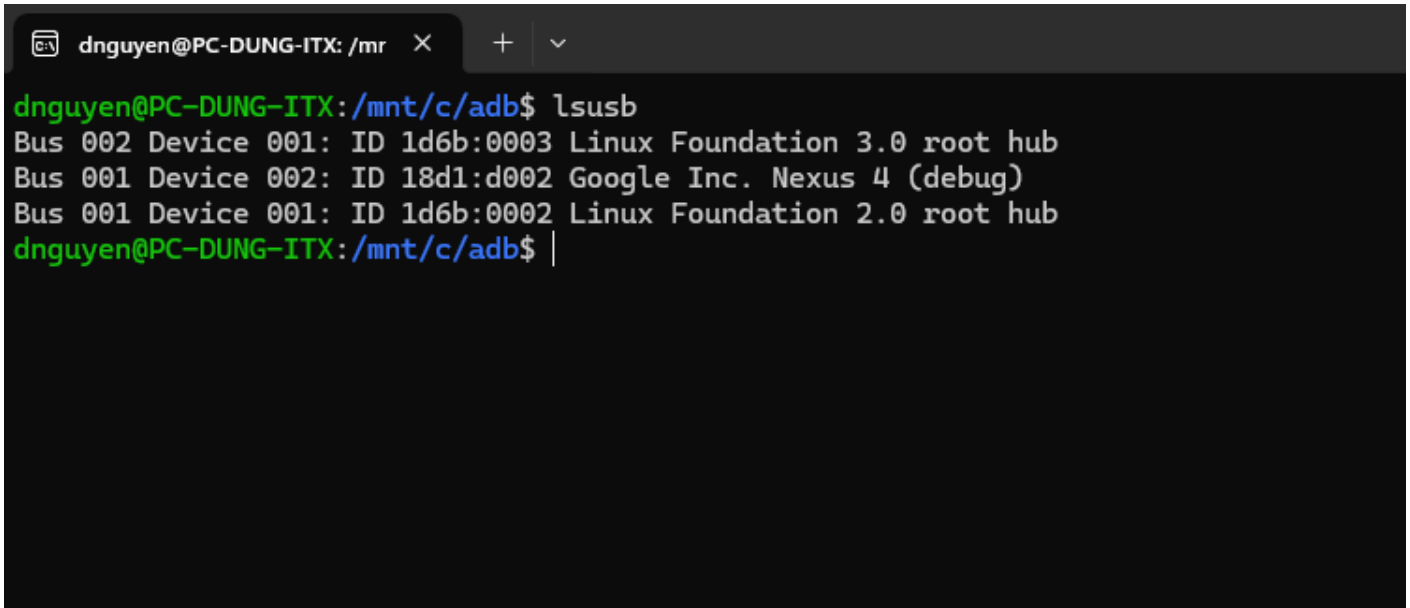
```
usbipd attach --wsl --busid 1-9
```

Unbind (falls nötig):

```
usbipd detach --busid 1-9
```

In WSL-Konsole testen:

```
lsusb
```



```
dnguyen@PC-DUNG-ITX: /mnt/c/adb$ lsusb
Bus 002 Device 001: ID 1d6b:0003 Linux Foundation 3.0 root hub
Bus 001 Device 002: ID 18d1:d002 Google Inc. Nexus 4 (debug)
Bus 001 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
dnguyen@PC-DUNG-ITX: /mnt/c/adb$ |
```

Viomi V2 root

adb installieren:

```
sudo apt install adb
```

Verbindung zu Viomi V2 testen:

```
adb shell
```

Kein login erforderlich bei mir. Ansonsten Anleitung hier folgen um ADB auf Viomi zu aktivieren:

<https://github.com/Hypfer/valetudo-crl200s-root>

Backups erstellen (davor adb exit):

```
adb pull /proc/partitions
```

```
adb pull /dev/nanda
```

```
adb pull /dev/nandb
```

```
adb pull /dev/nandc
```

```
adb pull /dev/nandd
```

```
adb pull /dev/nande
```

```
adb pull /dev/nandf
```

```
adb pull /dev/nandg
```

```
adb pull /dev/nandh
```

```
adb pull /dev/nandi
```

Firmware package erstellen und danach auf Emails warten / :

<https://builder.dontvacuum.me/>

Verzeichnisse in Windows erstellen und Alle Daten in der Email downloaden,

zB. C:\adb\firmware

Firmware pushen:

```
cd /mnt/c/adb/firmware
```

```
adb push ./viomi.vacuum.v6_fw.tar.gz /tmp/
```

Aktuelle Valetudo binary downloaden:

<https://github.com/Hypfer/Valetudo/releases/latest/download/valetudo-armv7.upx>

Valetudo binary pushen:

```
cd /mnt/c/adb/valetudo
```

```
adb push ./valetudo-armv7.upx /mnt/UDISK/valetudo
```

Skript 'convert-robot.sh' downloaden:

<https://github.com/Hypfer/valetudo-crl200s-root/blob/master/convert-robot.sh>

Skript pushen:

```
cd /mnt/c/adb/
```

```
adb push ./convert-robot.sh /tmp/
```

Meine Verzeichnis-Struktur:

Name	Änderungsdatum	Typ	Größe
backup_viomi_v2	19.04.2024 14:58	Dateiordner	
firmware	19.04.2024 15:10	Dateiordner	
keys	19.04.2024 15:09	Dateiordner	
valetudo	19.04.2024 15:16	Dateiordner	
adb_shell	19.04.2024 14:41	Datei	1 KB
convert-robot.sh	19.04.2024 14:40	sh_auto_file	152 KB
enable-adb.sh	19.04.2024 14:39	sh_auto_file	151 KB

Valetudo installieren:

ADB zu viomi:

```
adb shell
```

Valetudo installieren:

```
cd /tmp/
```

```
sh ./convert-robot.sh
```

```
tar xzvf ./viomi.vacuum.v6_fw.tar.gz
```

```
sh ./install.sh
```

Erfolgreiche Installation:

```
root@TinaLinux:/tmp# tar xzvf ./viomi.vacuum.v6_fw.tar.gz
./
./rootfs.img
./_root.sh.tpl
./firmware.md5sum
./rootfs.img.md5
./install.sh
./boot.img
./boot.img.md5
root@TinaLinux:/tmp# sh ./install.sh
-----
Viomi manual Firmware installer
Copyright 2020 by Dennis Giese [dgiese at dontvacuum.me]
Intended to work on v7
Use at your own risk
-----
check image file size
Checking integrity
boot.img: OK
rootfs.img: OK
Start installation ... the robot will automatically reboot after the installation is complete
After the reboot, you will have to reconfigure your Wi-Fi credentials
8192+0 records in
8192+0 records out
43520+0 records in
43520+0 records out
Install finished. Rebooting...
!!! Don't forget to unplug the Micro USB cable to allow it to reboot !!!
root@TinaLinux:/tmp# dnguyen@PC-DUNG-ITX:/mnt/c/adb$ |
```

Jetzt nur noch Valetudo Companion App installieren und Roboter ins Netzwerk holen.
Fertig!

Revision #2

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