

VRPN high level installation guide

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Installation

```
git clone --recursive vrpn_repository ;  
cd vrpn ; mkdir build ; cd build ; cmake ../
```

enable:

| | | |
|------------------------|---|---------------------------------|
| VRPN_HIDAPI_USE_LIBUSB | } | for HID devices (spacemouse) |
| VRPN_USE_HID | | |
| VRPN_USE_LOCAL_HIDAPI | | |
| VRPN_USE_WIIUSE * | | |

* needed to use a *wiimote* device (**wiiuse** library needs to be installed before building)

VRPN Server

Start VRPN server (vizroom)

```
ssh bbplxviz15.epfl.ch -l bbpvizuser ;
```

```
cd ~/vrpn/build/server_src ;
```

```
vi vrpn.cfg ; #uncomment devices (wiimote and spacenavigator)
```

```
sudo ./vrpn_server ;
```

* bbplxviz15.epfl.ch being the hostname where VRPN is installed

(Sometimes the server is not allowing the wiimote nunchuk to work together with the pointer. If that is the case, just restart the VRPN server)

VRPN client

RTNeuron client

RTNeuron/bin:

```
python rtneuron-app.py  
[blue_config][target][...]
```

```
--use-spacemouse
```

```
device0@bbplxviz | 5.epfl.ch[:port]
```

```
--use-wiimote[-pointer]
```

```
WiiMote0@bbplxviz | 5.epfl.ch[:port]
```