

# Bluetooth Install and Testing

## Installing Bluetooth support with audio modules on the Jetson

reference pages:

<https://developer.nvidia.com/embedded/learn/tutorials/connecting-bluetooth-audio>

[https://variwiki.com/index.php?title=BlueZ5\\_and\\_A2DP](https://variwiki.com/index.php?title=BlueZ5_and_A2DP)

```
# make a small modification to the following file
sudo vi /lib/systemd/system/bluetooth.service.d/nv-bluetooth-service.conf

# Replace the line : ExecStart=/usr/lib/bluetooth/bluetoothd -d --noplugin=audio,a2dp,avrcp
# to this line: ExecStart=/usr/lib/bluetooth/bluetoothd -d
# save the file

# install this package
$ sudo apt update
$ sudo apt install pulseaudio-module-bluetooth

$ sudo systemctl stop bluetooth.service
$ sudo systemctl daemon-reload
$ sudo systemctl start bluetooth.service

# it was recommended to reboot ( not sure if necessary )
$ sudo reboot
```

Testing audio:

## Building from Source (NOT IN USE)

THIS IS FOR REFERENCE, IT WAS NOT NEEDED FOR UBUNTU 20.04

Default version from package before 5.64 has issues connecting to bluetooth devices. Forces users to build those packages from source.

```
#clone bluez repo and checkout 5.65 tag
git clone https://github.com/bluez/bluez.git
git checkout tags/5.65

#build dependencies of bluez
sudo vi /etc/apt/sources.list
#uncomment deb-src up until and including: deb-src http://ports.ubuntu.com/ubuntu-ports/ bionic-updates universe
#save and close file
#update
sudo apt update

#use the readme file from bluez as a reference
cd bluez
sudo apt-get build-dep bluez
./bootstrap

#configure the location parameters
./configure --prefix=/usr --mandir=/usr/share/man --sysconfdir=/etc --localstatedir=/var
make -j7
sudo make install

#making sure that the bluetooth service runs with all added plugins
sudo vi /lib/systemd/system/bluetooth.service.d/nv-bluetooth-service.conf

#under [Service] add:
ExecStart=
ExecStart=/usr/libexec/bluetooth/bluetoothd -d
#this resets the value of ExecStart before assigning a new one

# may need to copy main.config into /etc/bluetooth
```