How to use Astra microphone

1、Commonly used third-party libraries

pyaudio

```
sudo apt-get install python-pyaudio python3-pyaudio
```

pyscreenshot

```
pip install pyscreenshot
```

2、Video recording

```
python ~/astra_ws/src/astra_recording/01_Record_video.py # Video recording
```

Recording starts when it is started; the keyboard [q] ends recording, and the recorded video is automatically saved.

3、Video playback

```
python ~/astra_ws/src/astra_recording/02_Paly_video.py    # Video playing
```

Start to play the recorded file when it is started, and press [q] to exit.

4、Voice recording

```
python ~/astra_ws/src/astra_recording/03_Record_Sound.py # Voice recording
```


After starting, you need to enter the length of time you want to record, in seconds. After recording, it will save and exit automatically.

5、Voice playback

```
python ~/astra_ws/src/astra_recording/04_Play_Sound.py    # Voice playback
```

Before starting, make sure that the audio file exists and the path is correct.