

FreeSandal

樹莓派, 樹莓派之學習, 樹莓派之教育

【鼎革 · 革鼎】：RASPBIAN STRETCH 《六之K》

2018-01-14 | 懸鉤子 | 發表迴響

話說從頭，年前友人偶訪談及 ReSpeaker Raspbian Jessie 相容性問題？意外引發

PyAudio



PyAudio provides Python bindings for PortAudio, the cross-platform audio I/O library. With PyAudio, you can easily use Python to play and record audio on a variety of platforms, such as GNU/Linux, Microsoft Windows, and Apple Mac OS X / macOS.

PyAudio is inspired by:

- pyPortAudio/fastaudio: Python bindings for PortAudio **v18** API.
- tkSnack: cross-platform sound toolkit for Tcl/Tk and Python.

錯誤訊息

```
1 pi@raspberrypi:~ $ python3
2 Python 3.5.3 (default, Jan 19 2017, 14:11:04)
3 [GCC 6.3.0 20170124] on linux
4 Type "help", "copyright", "credits" or "license" for more information.
5 >>> import pyaudio
```

```

6 >>> p = pyaudio.PyAudio()
7 ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.front
8 ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.rear
9 ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.center_lfe
10 ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.side
11 ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.surround21
12 ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.surround21
13 ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.surround40
14 ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.surround41
15 ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.surround50
16 ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.surround51
17 ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.surround71
18 ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.iec958
19 ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.iec958
20 ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.iec958
21 ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.hdmi
22 ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.hdmi
23 ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.modem
24 ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.modem
25 ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.phoneline
26 ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.phoneline
27 ALSA lib confmisc.c:1281:(snd_func_refer) Unable to find definition 'defaults.bluealsa.
28 ALSA lib conf.c:4528:(_snd_config_evaluate) function snd_func_refer returned error: No
29 ALSA lib conf.c:4996:(snd_config_expand) Args evaluate error: No such file or directory
30 ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM bluealsa
31 ALSA lib confmisc.c:1281:(snd_func_refer) Unable to find definition 'defaults.bluealsa.
32 ALSA lib conf.c:4528:(_snd_config_evaluate) function snd_func_refer returned error: No
33 ALSA lib conf.c:4996:(snd_config_expand) Args evaluate error: No such file or directory
34 ALSA lib pcm.c:2495:(snd_pcm_open_noupdate) Unknown PCM bluealsa
35 ALSA lib pcm_dmix.c:990:(snd_pcm_dmix_open) The dmix plugin supports only playback stre
36 ALSA lib pcm_dmix.c:990:(snd_pcm_dmix_open) The dmix plugin supports only playback stre
37 ALSA lib pcm_ac108.c:469:(_snd_pcm_ac108_open) a108 is only for capture
38 Expression 'ioctl( devHandle, SNDCTL_DSP_CHANNELS, &numChannels )' failed in 'src/hostc
39 Cannot connect to server socket err = No such file or directory
40 Cannot connect to server request channel
41 jack server is not running or cannot be started
42 JackShmReadWritePtr::~JackShmReadWritePtr - Init not done for -1, skipping unlock
43 JackShmReadWritePtr::~JackShmReadWritePtr - Init not done for -1, skipping unlock
44 >>>

```

誰該負責之論！

由於那是多種『語音辨識』平台使用的程式庫，網路上早已嘖嘖喳喳滿是 Q&A 矣！？

pyaudio-working-but-spits-out-error-messages-each-time

I'm using PyAudio to record input from the microphone.

Since the audio is recording fine for me, should I try to simply suppress its error messages? Or

would there be a way of resolving them?

```
1 ALSA lib pcm.c:2212:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.rear
2 ALSA lib pcm.c:2212:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.center_lfe
3 ALSA lib pcm.c:2212:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.side
4 ALSA lib audio/pcm_bluetooth.c:1613:(audioservice_expect) BT_GET_CAPABILITIES failed :
5 ALSA lib audio/pcm_bluetooth.c:1613:(audioservice_expect) BT_GET_CAPABILITIES failed :
6 ALSA lib audio/pcm_bluetooth.c:1613:(audioservice_expect) BT_GET_CAPABILITIES failed :
7 ALSA lib audio/pcm_bluetooth.c:1613:(audioservice_expect) BT_GET_CAPABILITIES failed :
8 ALSA lib pcm_dmix.c:957:(snd_pcm_dmix_open) The dmix plugin supports only playback stre
9 ALSA lib pcm_dmix.c:1018:(snd_pcm_dmix_open) unable to open slave
10 Cannot connect to server socket err = No such file or directory
11 Cannot connect to server socket
12 jack server is not running or cannot be started
```

.....

如果得以眼不見為淨

illperipherals commented on Aug 23, 2016

I was able to resolve the following errors below:

```
1 $ ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.rear
2 ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.center_lfe
3 ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.side
4 ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.hdmi
5 ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.hdmi
6 ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.modem
7 ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.modem
8 ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.phoneline
9 ALSA lib pcm.c:2239:(snd_pcm_open_noupdate) Unknown PCM cards.pcm.phoneline
```

from /usr/share/alsa/alsa.conf, remove:

```
1 pcm.rear cards.pcm.rear
2 pcm.center_lfe cards.pcm.center_lfe
3 pcm.side cards.pcm.side
4 pcm.hdmi cards.pcm.hdmi
5 pcm.modem cards.pcm.modem
6 pcm.phoneline cards.pcm.phoneline
```

```
1 X11 proxy: Unsupported authorisation protocol
2 xcb_connection_has_error() returned true
```

copy the .Xauthority file from my own profile /home directory to /root.

```
1 ALSA lib pulse.c:243:(pulse_connect) PulseAudio: Unable to connect: Connection refused
```

/usr/share/alsa/alsa.conf.d/ remove pulseaudio files. Check home directory for .asoundrc and remove pulseaudio from there if needed.

```
1 Cannot connect to server socket err = No such file or directory
2 Cannot connect to server request channel
3 jack server is not running or cannot be started
```

```
1 jack_control start
```

After making those changes, I no longer get the errors, just:

```
1 Listening... Press Ctrl+C to exit
```

是否就算解決爭端了呢??!!