

Advantech AE Technical Sharing Document

Data Create	2019 / 08 / 08	Release Note	<input type="checkbox"/> Internal <input checked="" type="checkbox"/> External
Category Type	FAQ	Related OS	Linux OS: Debian9
Abstract	How to input Audio configuration files in Debian 9 for running Audio device PCM-27J3AU-AE.		
Key words	PCM-27J3AU-AE, Debian9.		

■ **Problem Description:**

PCM-27J3AU equips three functions including “line in”, “line out” and “MIC in”. Originally, only “line out” function works in Debian9 when there is no any configuration adjustment.



■ **Brief Analysis and Solution :**

To make PCM-27J3AU workable in Debian9.9, we need some preparation as listed.

1. Copy the file “90-pulseaudio.rules” into the direction: /lib/udev/rules.d
2. Copy the file “rt4020-286-usb-audio.conf” into the direction:
/usr/share/pulseaudio/alsa-mixer/profile-sets
3. Reboot the OS
4. Check the functions by utility “Pulseaudio volume control” as figures below.

Line-in function:

Volume Control


Playback

Recording

Output Devices

Input Devices


Configuration

 USB Audio Mic-In

Silence

100% (0dB)


▶ Advanced

 USB Audio Line-In

Silence

100% (0dB)

▶ Advanced

 Built-in Audio Analog Stereo

Port: Analog Input

Silence

100% (0dB)

▶ Advanced

MIC-in function:

Volume Control


Playback

Recording

Output Devices

Input Devices


Configuration

 USB Audio Mic-In

Silence

100% (0dB)


▶ Advanced

 USB Audio Line-In

Silence

100% (0dB)

▶ Advanced

 Built-in Audio Analog Stereo

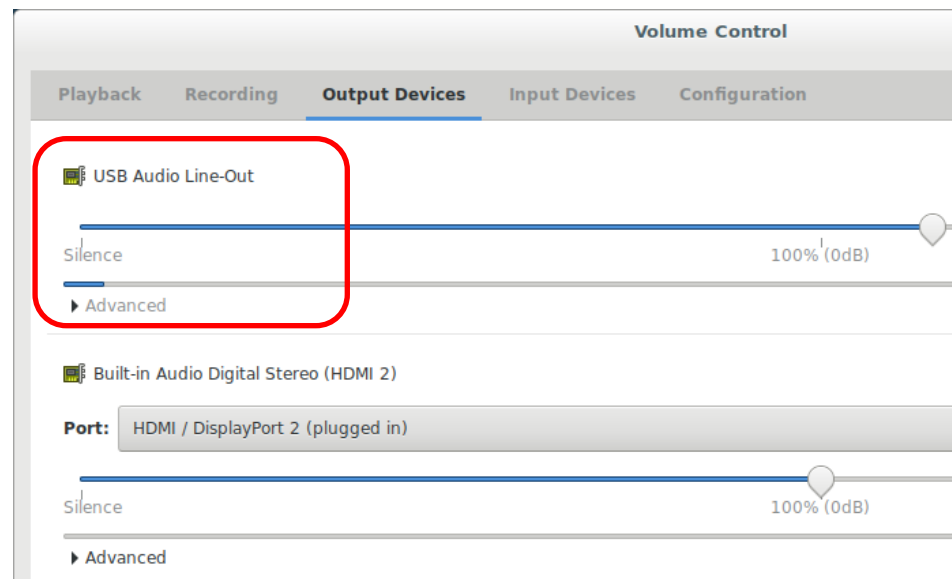
Port: Analog Input

Silence

100% (0dB)

▶ Advanced

Line-out function:



■ **Contact Window:**

If you need further information from headquarter, please contact PAE Tony.Cheng #7820.