

RE: [opensuse] {SOLVED} Noob Sound Problems

Source: <http://linux.derkeiler.com/Mailing-Lists/SuSE/2008-04/msg01384.html>

- *From:* "Cornelius Franken" <Cornelius.Franken@xxxxxxxxxxxxx>
 - *Date:* Fri, 18 Apr 2008 09:18:12 +0200
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Managed to Fix the sound issues last night. This post might be alittle long but it will have some good information in it.

Steps I took after reading some posts from an Ubuntu Forum:

1) ran the following command: `cat /proc/asound/card0/codec#* | grep`

Codec

2) This returned my soundcard Codec information.

3) Using the following list I found my Codec (ALC662)

Model name Description

ALC880

3stack 3-jack in back and a headphone out

3stack-digout 3-jack in back, a HP out and a SPDIF out

5stack 5-jack in back, 2-jack in front

5stack-digout 5-jack in back, 2-jack in front, a SPDIF out

6stack 6-jack in back, 2-jack in front

6stack-digout 6-jack with a SPDIF out

w810 3-jack

z71v 3-jack (HP shared SPDIF)

asus 3-jack (ASUS Mobo)

asus-w1v ASUS W1V

asus-dig ASUS with SPDIF out

asus-dig2 ASUS with SPDIF out (using GPIO2)

uniwill 3-jack

fujitsu Fujitsu Laptops (Pi1536)

F1734 2-jack

lg LG laptop (m1 express dual)

lg-lw LG LW20/LW25 laptop

tcl TCL S700

clevo Clevo laptops (m520G, m665n)

test for testing/debugging purpose, almost all controls can be

adjusted. Appearing only when compiled with

`$CONFIG_SND_DEBUG=y`

auto auto-config reading BIOS (default)

ALC260

hp HP machines

hp-3013 HP machines (3013-variant)

fujitsu Fujitsu S7020

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acer Acer TravelMate
will Will laptops (PB V7900)
replacer Replacer 672V
basic fixed pin assignment (old default model)
auto auto-config reading BIOS (default)

ALC262
fujitsu Fujitsu Laptop
hp-bpc HP xw4400/6400/8400/9400 laptops
hp-bpc-d7000 HP BPC D7000
benq Benq ED8
benq-t31 Benq T31
hippo Hippo (ATI) with jack detection, Sony UX-90s
hippo_1 Hippo (Benq) with jack detection
sony-assamd Sony ASSAMD
basic fixed pin assignment w/o SPDIF
auto auto-config reading BIOS (default)

ALC268
3stack 3-stack model
toshiba Toshiba A205
acer Acer laptops
auto auto-config reading BIOS (default)

ALC662
3stack-dig 3-stack (2-channel) with SPDIF
3stack-6ch 3-stack (6-channel)
3stack-6ch-dig 3-stack (6-channel) with SPDIF
6stack-dig 6-stack with SPDIF
lenovo-101e Lenovo laptop
auto auto-config reading BIOS (default)

ALC882/885
3stack-dig 3-jack with SPDIF I/O
6stack-dig 6-jack digital with SPDIF I/O
arima Arima W820Di1
targa Targa T8, MSI-1049 T8
asus-a7j ASUS A7J
asus-a7m ASUS A7M
macpro MacPro support
mbp3 Macbook Pro rev3
imac24 iMac 24" with jack detection
w2jc ASUS W2JC
auto auto-config reading BIOS (default)

ALC883/888
3stack-dig 3-jack with SPDIF I/O
6stack-dig 6-jack digital with SPDIF I/O
3stack-6ch 3-jack 6-channel
3stack-6ch-dig 3-jack 6-channel with SPDIF I/O
6stack-dig-demo 6-jack digital for Intel demo board

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acer Acer laptops (Travelmate 3012WTMi, Aspire 5600, etc)
acer-aspire Acer Aspire 9810
medion Medion Laptops
medion-md2 Medion MD2
targa-dig Targa/MSI
targa-2ch-dig Targs/MSI with 2-channel
laptop-eapd 3-jack with SPDIF I/O and EAPD (Clevo M540JE, M550JE)
lenovo-101e Lenovo 101E
lenovo-nb0763 Lenovo NB0763
lenovo-ms7195-dig Lenovo MS7195
haier-w66 Haier W66
6stack-hp HP machines with 6stack (Nettle boards)
3stack-hp HP machines with 3stack (Lucknow, Samba boards)
auto auto-config reading BIOS (default)

ALC861/660
3stack 3-jack
3stack-dig 3-jack with SPDIF I/O
6stack-dig 6-jack with SPDIF I/O
3stack-660 3-jack (for ALC660)
uniwill-m31 Uniwill M31 laptop
toshiba Toshiba laptop support
asus Asus laptop support
asus-laptop ASUS F2/F3 laptops
auto auto-config reading BIOS (default)

ALC861VD/660VD
3stack 3-jack
3stack-dig 3-jack with SPDIF OUT
6stack-dig 6-jack with SPDIF OUT
3stack-660 3-jack (for ALC660VD)
3stack-660-digout 3-jack with SPDIF OUT (for ALC660VD)
lenovo Lenovo 3000 C200
dallas Dallas laptops
hp HP TX1000
auto auto-config reading BIOS (default)

CMI9880
minimal 3-jack in back
min_fp 3-jack in back, 2-jack in front
full 6-jack in back, 2-jack in front
full_dig 6-jack in back, 2-jack in front, SPDIF I/O
allout 5-jack in back, 2-jack in front, SPDIF out
auto auto-config reading BIOS (default)

AD1882
3stack 3-stack mode (default)
6stack 6-stack mode

AD1884
N/A

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AD1981

basic 3-jack (default)

hp HP nx6320

thinkpad Lenovo Thinkpad T60/X60/Z60

toshiba Toshiba U205

AD1983

N/A

AD1984

basic default configuration

thinkpad Lenovo Thinkpad T61/X61

AD1986A

6stack 6-jack, separate surrounds (default)

3stack 3-stack, shared surrounds

laptop 2-channel only (FSC V2060, Samsung M50)

laptop-eapd 2-channel with EAPD (Samsung R65, ASUS A6J)

laptop-automute 2-channel with EAPD and HP-automute (Lenovo N100)

ultra 2-channel with EAPD (Samsung Ultra tablet PC)

AD1988

6stack 6-jack

6stack-dig ditto with SPDIF

3stack 3-jack

3stack-dig ditto with SPDIF

laptop 3-jack with hp-jack automute

laptop-dig ditto with SPDIF

auto auto-config reading BIOS (default)

Conexant 5045

laptop Laptop config

test for testing/debugging purpose, almost all controls can be adjusted. Appearing only when compiled with

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Conexant 5047

laptop Basic Laptop config

laptop-hp Laptop config for some HP models (subdevice 30A5)

laptop-eapd Laptop config with EAPD support

test for testing/debugging purpose, almost all controls can be adjusted. Appearing only when compiled with

\$CONFIG_SND_DEBUG=y

STAC9200

ref Reference board

dell-d21 Dell (unknown)

dell-d22 Dell (unknown)

dell-d23 Dell (unknown)

dell-m21 Dell Inspiron 630m, Dell Inspiron 640m

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dell-m22 Dell Latitude D620, Dell Latitude D820
dell-m23 Dell XPS M1710, Dell Precision M90
dell-m24 Dell Latitude 120L
dell-m25 Dell Inspiron E1505n
dell-m26 Dell Inspiron 1501
dell-m27 Dell Inspiron E1705/9400

STAC9205/9254

ref Reference board
dell-m42 Dell (unknown)
dell-m43 Dell Precision
dell-m44 Dell Inspiron

STAC9220/9221

ref Reference board
3stack D945 3stack
5stack D945 5stack + SPDIF
intel-mac-v1 Intel Mac Type 1
intel-mac-v2 Intel Mac Type 2
intel-mac-v3 Intel Mac Type 3
intel-mac-v4 Intel Mac Type 4
intel-mac-v5 Intel Mac Type 5
macmini Intel Mac Mini (equivalent with type 3)
macbook Intel Mac Book (eq. type 5)
macbook-pro-v1 Intel Mac Book Pro 1st generation (eq. type 3)
macbook-pro Intel Mac Book Pro 2nd generation (eq. type 3)
imac-intel Intel iMac (eq. type 2)
imac-intel-20 Intel iMac (newer version) (eq. type 3)
dell-d81 Dell (unknown)
dell-d82 Dell (unknown)
dell-m81 Dell (unknown)
dell-m82 Dell XPS M1210

STAC9202/9250/9251

ref Reference board, base config
m2-2 Some Gateway MX series laptops
m6 Some Gateway NX series laptops
pa6 Gateway NX860 series

STAC9227/9228/9229/927x

ref Reference board
3stack D965 3stack
5stack D965 5stack + SPDIF
dell-3stack Dell Dimension E520

STAC9872

vaio Setup for VAIO FE550G/SZ110
vaio-ar Setup for VAIO AR

4) Ran gedit /etc/modprobe.conf and added the following line:
options snd-had-intel model=3stack-dig

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5) Rebooted and all my mixer suddenly worked sound output was perfect and I used Amarok to listen to my Music while I started playing wit the development environments.

I suspect that since the card is a 5.1 capable card ALSA assumed that I had a 5.1 setup and thus incorrectly tried to configure the card for this type of setup. However that is just a hunch. Anyone with a better explanation?

Hope this helps anyone out there.

Regards
Neil

-----Original Message-----

From: Cornelius Franken [<mailto:Cornelius.Franken@xxxxxxxxxxxxx>]
Sent: 17 April 2008 08:58 AM
To: Clayton; OS-en
Subject: RE: [opensuse] Noob Sound Problems

Hi All

Frustration hit me hard last night.....

Here is my experience thus far.

- 1) Technical Information about sound setup.
- GIGABYTE GA-G31M-S2L mother board with RealTek ALC662 Codec onboard Soundcard
- High Definition audio with 2/4/5.1 Channel Output

Last night I tried to configure it with YaST. I went to the other button clicked on volume. I get to the Test Window but there are no volume sliders present. I can hear the test sound but it is so soft that my I had to make sure it was dead quiet in my house before I could hear it.

Then I installed ALSA from the DVD. All the Alsa tools. Logged in a root and ran alsacnf. AlsaConf picked the card up as a Intel HD audio card. I could also just barely hear the test sound. After running Alsaconf I had two cards diplayed in Yast. I tried both of them as the default card to no success. When I select the AlsaConf card as a default I cannot even get to the volume test page.

When I tried to run Alsamixer I got a invalid argument error. All the other mixers such as KMix just show the YaST card and not the Alsacard. So I removed the AlsaConf card. Went back to the one Yast detected and rebooted the machine. Now the fun started I could not log in with any other user except root.

Anyone got any suggestions?

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Regards
Neil

-----Original Message-----

From: Clayton [<mailto:smaug42@xxxxxxxxxx>]

Sent: 16 April 2008 08:48 PM

To: OS-en

Subject: Re: [opensuse] Noob Sound Problems

Are you referring to the panel where you can select Volume, Play Test sound, Start Sequencer and so on? I did go there last night but when

I

select volume I don't get any volume control to set it with. I did

not

however click a button in the bottom right it was sort of in the

centre

of the screen.

Open YaST, click Hardware > Sound. Then with your sound card selected, look down on the bottom right. There is a button there labeled Other. Click it and select Volume. This will take you direct to the master volume sliders. Adjust them up and click Test. Keep adjusting until your volume is "right"

C.

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For additional commands, e-mail: opensuse+help@xxxxxxxxxxxx

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