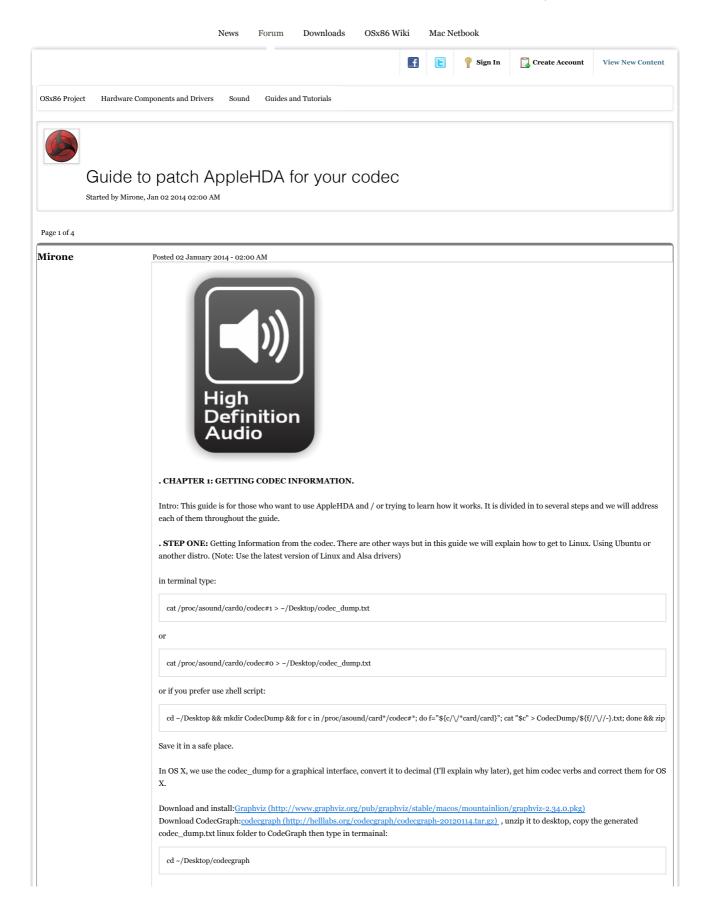
fluid | fixed



and then:

./codecgraph codec_dump.txt

. ${\bf STEP\ TWO:}$ Converting CodecGraph CodecDump and hexadecimal to decimal:

Download: convert hex to dec (http://www.mediafire.com/?1vtbnhozvfl) Credits Munky . Unzip it in the same folder used previously (codecgraph) - In the terminal:

```
cd ~/Desktop/codecgraph

chmod +x ./convert_hex_to_dec.rb

./convert_hex_to_dec.rb codec_dump.txt.svg > ~/Desktop/codecgraph/codec_dump_dec.txt.svg
```

* Replace "codec_dump.txt" with your user name and codec file (if you gave a specific name)

```
./convert\_hex\_to\_dec.rb\ codec\_dump.txt > \sim /Desktop/codecgraph/codec\_dump\_dec.txt
```

- * Replace "codec_dump.txt" with your user name and codec file (if you gave a specific name)
- . STEP THREE: For our standard onboard sound card be recognized by OS X must add the device to our HDEF DSDT.aml. For this we use the following patches: HDEF or AZAL to HDEF in both DTGP method has to be present in our DSDT.aml. We use the DSDT Editor to apply the patches correctly http://olarila.com/f.u.c.php?f=7&t=646 (http://olarila.com/forum/viewtopic.php?f=7&t=646). The Patchs you find here http://olarila.com/forum/patches.php). This is a Audio Injection standard and should work for all codess:

. CHAPTER 2: CORRECTION APPLEHDA.KEXT

For the AppleHDA Work correctly for our codec we make some modifications in the same plists. So what are these changes?

If you look at it (click the right mouse button / Show Package Contents), you will find in the Content folder of the main Info.plist (not touching it) and a folder plugins. There are plugins that we have to fix, but not all just Info.plist from this one:

1-AppleHDAHardwareConfigDriver.kext

 $\hbox{$2$-platform.xml and layout12.xml or Layout1.xml (in Folder Resources)}$

3-BinPatch

${\bf 1-Apple HDAH ardware ConfigDriver.} kext$

To edit this kext need to get configdata / CodecVerbs.

You can fix them in two ways, either manually or automatically using the script called Signal64 Verbit that performs the entire process automatically

requiring a few adjustments you can download it here: [http://www.insanelymac.com/forum/index.php?app=core&module=attach§ion=attach&attach_id=137502) verbit.zip (http://www.insanelymac.com/forum/index.php?app=core&module=attach§ion=attach&attach_id=137502) 2.65KB 448 downloads

Unzip it in the same folder codecgraph used previously. then Run this command in Terminal:

cd /Users/your_user_name/Desktop/codecgraph

```
and then:
  ./Verbit codec_dump.txt> verbs.txt
. NOTE: You must delete the line codec_dump.txt: AFG Function Id: 0x1 (unsol 0)
 Having done this codecgraph open the folder and you will see two files and another one called verbs.txt verbitdebug.txt.
 verbit.texto is in our interest. For in him we find our configdata / CodecVerbs original and corrected tops underneath.
 verbs.txt:
  Verbs from Linux Codec Dump File: codec_dump.txt
  Codec: Realtek ALC887-VD Address: o DevID: 283904135 (0x10ec0887)
    Jack Color Description
                                        Node PinDefault
                                                                    Original Verbs
   ATAPI Unknown SPDIF Out at Int ATAPI 17 0x11 0x99430140 01171c40 01171d01 01171e43 01171f99

    1/8
    Black Speaker at Ext Rear
    18 0x12 0x411111f0 01271cf0 01271cf0 01271d11 01271c11 01271c11

    1/8
    Green Line Out at Ext Rear
    20 0x14 0x01014010 01471c10 01471c10 01471c10 01471c10

    1/8
    Black Line Out at Ext Rear
    21 0x15 0x01011012 01571c12 01571c10 01571c01 01571c01

verbitdebug.txt:
  Blacklist:
  411111fo 400000fo CD at Int ATAPI
  Removed Nodes: 0x12 0x1c 0x1f
  Checking 71c Associations
  Current Associations
   01171c40 = 4
   01471010 = 1
  01571c12 = 1
   01671c11 = 1
   01771c14 = 1
   01871c50 = 5
   01971c60 = 6
   01a71c5f = 5
   01b71c20 = 2
   01d71c01 = 1 note: Changed 0 to 1
   01e71c30 = 3
   Used associations = 4 1 1 1 1 5 6 5 2 1 3
  Unused associations = 7 8 9 a b c d e
  Correcting duplicate associations
  Checking if 4 already exists in: 1111565213
   no duplicate found
  Checking if 1 already exists in: 4 1 1 1 5 6 5 2 1 3
    duplicate found - Is this the first time we've seen this association?
    yes - ignoring
  Checking if 1 already exists in: 4 1 1 1 5 6 5 2 1 3
    duplicate found - Is this the first time we've seen this association?
    no - replacing association with: 7
  Checking if 1 already exists in: 4171565213
    duplicate found - Is this the first time we've seen this association?
    no - replacing association with: 8
  Checking if 1 already exists in: 4 1 7 8 5 6 5 2 1 3
    duplicate found - Is this the first time we've seen this association?
    no - replacing association with: 9
  Checking if 5 already exists in: 4 1 7 8 9 6 5 2 1 3
    duplicate found - Is this the first time we've seen this association?  
    yes - ignoring
  Checking if 6 already exists in: 4\,1\,7\,8\,9\,5\,5\,2\,1\,3
    no duplicate found
  Checking if 5 already exists in: 4 1 7 8 9 5 6 2 1 3
    duplicate found - Is this the first time we've seen this association?
    no - replacing association with: a
  Checking if 2 already exists in: 4 1 7 8 9 5 6 a 1 3
    no duplicate found
  Checking if 1 already exists in: 4178956 a 23
    duplicate found - Is this the first time we've seen this association?
    no - replacing association with: b
  Checking if 3 already exists in: 4 1 7 8 9 5 6 a 2 b
    no duplicate found
```

New 71c Associations

Before After

01171c40 01171c40 01171c40 01171e43 01171f99

01471c10 01471c10 01471c40 01471c01 01471f01

01571c12 01571c70 01571c10 01571c10 01571f01

01671c11 01671c80 01671c60 01671c01 01671f01

01771c14 01771c90 01771c10 01771c01 01771f01

01871c50 01871c50 01871c90 01771d20 01771f01

01971c60 01971c60 01971d9c 01971ea1 01971f02

01a71c5f 01a71ca0 01a71d30 01a71e81 01a71f01

The codec used in the above example as you can see is a ALC887-VD was necessary to change only one of the external microphones.

To understand how these changes are made we need to go deeper.

So what is a codec verb?

For each input/output there is a sequence of 4 verbs.

Lets take an example from codec used before:

ts about NodeID(NID) 0x14 in hex, 20 in decimal:

The default verbs for it: 21471c10 21471d44 21471e01 21471f01

01471010:

01471c10 = CAd (Codec Adress)

01471c10 = NID (NodeID)

01471c10 = Verb Commands like 71"c" then "d", "e" ,"f"

01471c10 = Verb Data

And the same for the rest.

I think Cad, NID and Verb Commands are pretty simple to figure out: first 2 you get them from linux dump, and commands are standard 71c, 71d, 71e, 71f.

Lets see about verb data:

- 71cXY X=Default Association Y=Sequence
- . DEFAULT ASSOCIATION AND SEQUENCE: are used together by software to group Pin Complexes (and therefore jacks) together into functional blocks to support multichannel operation. Software may assume that all jacks with the same association number are intended to be grouped together, for instance to provide six channel analog output. The Default Association can also be used by software to prioritize resource allocation in constrained situations. Lower Default Association values would be higher in priority for resources such as processing nodes or Input and Output Converters. Note that this is the default association only, and software can override this value if required, in particular if the user provides additional information about the particular system configuration. A value of 0000b is reserved and should not be used. Software may interpret this value to indicate that the Pin Configuration data has not been properly initialized. A value of 1111b is a special value indicating that the Association has the lowest priority. Multiple different Pin Complexes may share this value, and each is intended to be exposed as independent devices
- . SEQUENCE: indicates the order of the jacks in the association group. The lowest numbered jack in the association group should be assigned the lowest numbered channels in the stream, etc. The numbers need not be sequential within the group, only the order matters. Sequence numbers within a set of Default Associations must be unique.
- *My notes for this, if you look on the vanilla codec verb(no matter what codec) you will see that Sequence is always o.

 Why that, and why for us on our codec verbs is different? Simple b/c Apple dosen't have multichannel analog out! so you must change it to o.
- *About Default Association, Keep the default one, in order, and on those that are the same replace them with new one that dosen't exist already in the dump... the values you can use are: 1, 2, 3, 4, 5, 6, 7, 8, 9, a, b, c, d and f.(see what does verbit if you still don't understand)
- 71dXY X=Color Y=Misc
- . $\boldsymbol{COLOR:}$ indicates the color of the physical jack for use by software.

Unknown o
Black 1
Grey 2
Blue 3
Green 4
Red 5
Orange 6
Yellow 7
Purple 8
Pink 9

Reserved A-D

. MISC: is a bit field used to indicate other information about the jack. Currently, only bit o is defined. If bit o is set, it indicates that the jack has no presence detect capability, so even if a Pin Complex indicates that the codec hardware supports the presence detect functionality on the jack, the external circuitry is not capable of supporting the functionality.

Reserved 3

Reserved 2

Reserved 1

Jack Detect Override o

*Use o for Jack Detect - External Device(e.g. Headphones Mic etc) Use 1 for Jack Detect Disabled - Internal Device(e.g. Internal speakers, Internal mic)

71eXY X=Default Device Y=Connection Type

. DEFAULT DEVICE: INDICATES: the intended use of the jack or device. This can indicate either the label on the jack or the device that is hardwired to the port, as with integrated speakers and the like.

Line Out o Speaker 1 HP Out 2 CD 3 SPDIF Out 4 Digital Other Out 5 Modem Line Side 6 Modem Handset Side 7 Line In 8 AUX 9 Mic In A

 $. \ CONNECTION \ TYPE: \ indicates the type of physical connection, such as a 1/8-inch stereo jack or an optical digital connector, etc. Software can be connected as a 1/8-inch stereo jack or an optical digital connector, etc. Software can be connected as a 1/8-inch stereo jack or an optical digital connector, etc. Software can be connected as a 1/8-inch stereo jack or an optical digital connector, etc. Software can be connected as a 1/8-inch stereo jack or an optical digital connector, etc. Software can be connected as a 1/8-inch stereo jack or an optical digital connector, etc. Software can be connected as a 1/8-inch stereo jack or an optical digital connector, etc. Software can be connected as a 1/8-inch stereo jack or an optical digital connector, etc. Software can be connected as a 1/8-inch stereo jack or an optical digital connected as a 1/8-inch stereo jack or an o$ use this information to provide helpful user interface descriptions to the user or to modify reported codec capabilities based on the capabilities of the physical transport external to the codec.

Unknown o 1/8" stereo/mono 1 1/4" stereo/mono 2 ATAPI internal 3 RCA 4 Optical 5 Other Digital 6 Other Analog 7 Multichannel Analog (DIN) 8 XLR/Professional 9 RJ-11 (Modem) A

71fXY X=Port Connectivity Y=Location

- . PORT CONNECTIVITY: indicates the external connectivity of the Pin Complex. Software can use this value to know what Pin Complexes are connected to jacks, internal devices, or not connected at all.
- oob The Port Complex is connected to a jack (1/8", ATAPI, etc.).
- 01b No physical connection for Port.
- ${\tt 10b}$ A fixed function device (integrated speaker, integrated mic, etc.) is attached.
- 11b Both a jack and an internal device are attached. The Information provided in all other fields refers to the integrated device. The PD pin will reflect the status of the jack; the user will need to be queried to figure out what it is.
- . LOCATION: INDICATES the physical location of the jack or device to which the pin complex is connected. This allows software to indicate, for instance, that the device is the "Front Panel Headphone Jack" as opposed to rear panel connections.

Convert the 2 digit hex number to binary.

Pad the front with zero's to make it 8 dgits.

EXAMPLE:

0x02 = binary 10 = 00000010 8 digit binary Reading the bits from left to right: Port Connectivity bits 7:6 oo - Port is connected to a Jack 01 - No External Port -or- No physical connection for Port 10 - Fixed Function/Built In Device (integrated speaker, mic, etc) 11 - Jack and Internal device are attached Location Part 1 - bits 5:4 00 - External on primary chassis

10 - Separate chassis 11 - Other

01 - Internal

Location Part 2 - bits 3:0

The meaning depends on Location Part 1

00 0000 N/A
00 0001 Rear
00 0010 Front
00 0011 Left
00 0100 Right
00 0101 Top
00 0110 Bottom
00 0111 Special (Rear panel)

A good APP for you to test in practice

is this: $\frac{PinConfigurator\ (http://olarila.com/forum/download/file.php?id=3666)}{Credits: } \underbrace{sax-mmS\ (http://www.applelife.ru/threads/pin-configurator.18051/)}$

 $Thanks\ again\ to\ Signal 64\ for\ his\ \underline{VerbCheatSheet\ (http://rapidshare.de/files/48146006/VerbCheatSheet.rtf.html)}$

*All info came from High Definition Audio Specification (http://www.intel.com/content/www/us/en/standards/high-definition-audio-specification.html). Read it for more details!

. CONCLUSION:

The script does a great job, still not perfect as it does not know what are our options ... perhaps a GUI application may be added in the future. So that those options may be?

- you may want to setup mic as internal to get ambient noise reduction for it.
- some codecs have only line outs same trick can apply and you can set first output as speaker and get as an option software dsp for it.
- for front panel support you may need to transform back mic in line in.

And so on ..

Now that we got all necessary information about configdata / CodecVerbs we edit the info.plist of AppleHDAHardwareConfigDriver.kext.

Editing AppleHDAHardwareConfigDriver.kext (Info.plist)

(Click with the right mouse button / Show Package Contents) Open Plist with a Plist editor.

 $Navigate\ to\ the\ key\ IOK it Personalities\ /\ HDA\ Hardware\ Config\ Resource HDA Config Default.$

- 1-CodecID: Put the ID of your codec in Numbers 0x10ec0887 Decimal (Hexadecimal) -> 283904135 (Decimal)
- $\operatorname{\mathtt{2-configdata}}$. Here we put our configdata / Verbs codec that previously corrected.
- 3-FuncGroup: Must always be 1.
- 4-LayoutID: By default is 12 but can be any other number provided that you also change the number of layout on your DSDT.aml
- * NOTE: In the Mountain/Mavericks Lion kexts so we can use a layout that already has in itself no kext and others like layout887.xml as was used in the Lion kexts.

Key	Class	Value U410
DTXcodeBuild	String	‡ 11E53
▼ IOKitPersonalities	Dictionary	1 key/value pairs
▼HDA Hardware Config Resource	Dictionary	
CFBundleldentifier	String	com.apple.driver.AppleHDAHardwareConfigDriver
▼HDAConfigDefault	Array	
₩0	Dictionary	5 key/value pairs
AFGLowPowerState	Data	4 bytes: 03000000
CodecID	Number	\$ 283.904.135
ConfigData	Data	\$ 144 bytes: 01471C10 060 01E71E45 01E71F01
FuncGroup	Number	‡ 1
LayoutlD	Number	‡ 12
▶ 1	Dictionary	5 key/value pairs
▶2	Dictionary	4 key/value pairs
▶3	Dictionary	5 kev/value pairs ■ 5 kev/value pairs

2- Editing and platform.xml layout12.xml or Layout1.xml (Folder Resources)

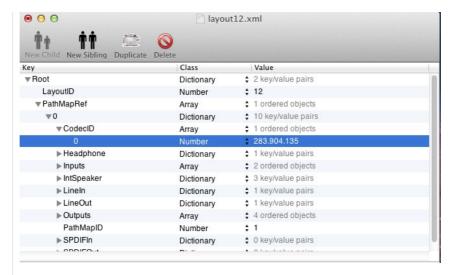
This is the trickiest part.

Within the Resources folder you will find several layouts.xml and a Platforms.xml.

You'll edit both according to the previous corrections ie in AppleHDAHardwareConfigDriver.kext use the layout12 so let's make the necessary edits on this.

 $\hbox{1-CodecID: Put the ID of your codec in Numbers ox 10eco 887 Decimal (Hexadecimal) $$-> 283 904 135 (Decimal)$$}$

- 2-PathMapID: Change to 1
- $\ensuremath{^*}$ Note: Exclude MuteGPIO, Signal Processing of all keys.



What we had to fix in Layout12.xml is already completed.

Now we edit the Platforms.xml is here that lies the pathmaps. Within Key Pathmaps there are other keys

 $which are numbered and each corresponds to a specific layout.xml \ eg \ use \ within the same layout 12.xml \ has a key \ with pathmap \ Id=1.$

In the example we are using a codec ALC887-VD have 4 outputs and 2 audio inputs. Totaling 6 devices.

For output devices, the PathMap follows this pattern:

Pin Complex (NodeID) -> Audio Mixer-> Audio Output

So we have to find a node Pin Complex (NodeID), a node Audio Mixer and finally an audio output node.

For input devices, the PathMap follow this pattern:

Pin-Complex (NodeID)> Selector/Mixer- Audio Input> Audio

Here, we have to find a node Pin Complex (NodeID), an audio mixer / selector node and finally a node of audio input.

 $Open the file in the folder generated codec_dump_dec.txt.svg \ codegraph \ you \ will see something \ like \ this:$



note 20 (Pin Complex) -> 12 (node Audio Mixer) -> 2 (Audio output node)

from there we have already formed our pathmap lineout to (in the case node20 is an internal speaker).

We will do the same for the rest of our pathmaps.

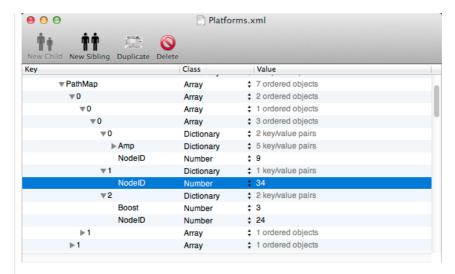
Note: Note that in the screenshot attached above you can see that the lines are continuous connections of nodes.



An example of Pathmaps to Mic (External):

note 24 (Pin Complex) -> 35 (node Audio Mixer) -> 9 (Audio output node)

Note: Usually starts unlike 9 -> 34 -> 24



The pathmaps codec for example were used as well:

9-34-24 = External Mic

9-34-25 = External Mic Front

8-35-26 = Line Out

2-12-20 = Internal Speakers

27-38-37 = Headphone

23-15-5 = Line Out 22-14-4 = Line Out

22-14-4 = Line Ou

23-13-3 = Line Out 30-6 = Digital Output

3-BinPatch:

Starting with version 10.6.3 of Snow Leopard was also necessary to correct the binary file of Applehda.kext it is within the MacOs folder that sits inside the Kext to make this correction we will use the script done by bcc9. <u>patch-hda.zip (http://olarila.com/forum/download/file.php?id=2942)</u>

Copy the folder to your desktop and already with Applehda.kext edits and installed in S / L / E type the following commands in Terminal:

cd ~/desktop/patch-hda ./patch-hda.pl 10eco887

. NOTE: Open the folder hda-patch-hda-codecs.pl file inside it is all supported codecs for the script for more information: Script to patch AppleHDA binary for osx10.7/10.8/10.9 (http://www.insanelymac.com/forum/topic/284004-script-to-patch-applehda-binary-for-osx107108109/)

A tip if your codec is not supported by the script you can try to fix manually using a binary editor like HexFiend and replace one of the codecs used, by correction for you.

In the example above was corrected binary for ALC887-VD codec if you are correct for your codec is necessary to replace the 10ec0887 by the id of your codec.

In binary they are written from right to left ie 10eco 887 = 8708ec10.

. IMPORTANT:

The Mountain Lion kext / Mavericks have a new structure and the files are compressed in. Zlib to unpack and edit these files will use zlib. This application is based on RevoGirl script, it makes the process of files. Zlib from AppleHDA.kext to decompress / compress easier. Just drag the file zlib. The application and it will unzip or drag the xml file. And it will compress to. Zlib.

So if you own an old kext from Lion can compress files using this APP. $\underline{Download\ Zlib\ (http://olarila.com/files/Utils/Zlib.zip)}.$

Folder with all the necessary tools for editing and some kexts Applehda.kext several original versions of OS X: $\underline{tools\ ApplehDA\ (http://www.sendspace.com/file/kemzwt)}$

. CREDITS: The King, bcc9, RevoGirl (RIP), EMlyDinEsH, Munky, TimeWalker and others.

pokenguyen

Posted 02 January 2014 - 04:21 AM

Very nice thread! I wonder if there is any difference if we use other layout files? I see most IDT AppleHDA use layout12, while Realtek AppleHDA use layout28.

Mirone

Posted 02 January 2014 - 04:30 AM

Very nice thread! I wonder if there is any difference if we use other layout files? I see most IDT AppleHDA use layout12, while Realtek AppleHDA use layout28.

I see no difference in the number of Layout.

I think the important thing is the content of LayiutID.

I use LayoutID = 4

pokenguyen

Posted o6 January 2014 - 02:58 PM

 $Hi\ Mirone,\ when\ I\ edit\ Platforms.xml,\ I\ see\ some\ nodes\ have\ "Amp"\ and\ "Boost".\ Should\ I\ keep\ them\ or\ remove\ all?$

Mirone

Posted o6 January 2014 - 03:29 PM

Hi Mirone, when I edit Platforms.xml, I see some nodes have "Amp" and "Boost". Should I keep them or remove all?

boost for microphones and

AMP output and inputs for all

has a specific function is

for removing them should know why

to do this.

 ${\color{blue} \textbf{look here:}} \ \underline{\textbf{High Definition Audio Specification (http://www.intel.com/content/www/us/en/standards/high-definition-audio-specification.html)}$

pokenguyen

Posted 06 January 2014 - 04:32 PM

boost for microphones and

AMP output and inputs for all

has a specific function is

for removing them should know why

to do this.

 ${\bf look\ here:\ High\ Definition\ Audio\ Specification\ (http://www.intel.com/content/www/us/en/standards/high-definition-audio-specification.html)}$

Thank you

crump

Posted 10 January 2014 - 02:27 AM

I got stuck reading there... $\,$

ts about NodeID(NID) 0x14 in hex, 20 in decimal:

The default verbs for it: 21471c10 21471d44 21471e01 21471f01

21471c10:

2471c10 = CAd (Codec Adress)

21471c10 = NID (NodeID)

21471c10 = Verb Commands like 71"c" then "d", "e" ,"f" $\,$

21471c10 = Verb Data

And the same for the rest.

would you mind explaining what is this coming from? Thank you.

Mirone

Posted 10 January 2014 - 11:07 PM

I got stuck reading there...

ts about NodeID(NID) 0x14 in hex, 20 in decimal:

The default verbs for it: $01471c10\ 01471d44\ 01471e01\ 01471f01$

21471c10:

o471c10 = CAd (Codec Adress)

 $0_{14}71c10 = NID (NodeID)$ 01471c10 = Verb Commands like 71"c" then "d", "e", "f"01471c10 = Verb Data And the same for the rest. would you mind explaining what is this coming from? Thank you. what is your doubt? since Verbit, fixes all verbs automatically for you. Read the following below the part you posted and will understand. uzmi Posted 08 March 2014 - 03:16 PM 1-AppleHDAHardwareConfigDriver.kext To edit this kext need to get configdata / CodecVerbs. You can fix them in two ways, either manually or automatically using the script called Signal 64 Verbit that performs the entire process and the script called Signal 64 Verbit that performs the entire process.automatically $requiring \ a \ few \ adjustments \ you \ can \ download \ it \ here: \underline{http://signal64.osx8...udio/verbit.zip} \ (http://signal64.osx86.me/audio/verbit.zip)$ Link not works $\underline{http://www.insanelym...ile/212-verbit/(http://www.insanelymac.com/forum/files/file/212-verbit/)}$ Mirone, Excelent works Thanks Mirone Posted o8 March 2014 - 05:35 PM @uzmi Broken link corrected. Thanks for reporting. realmadrid_cf Posted 10 March 2014 - 04:12 AM i'm using clover bootloader, how to edit "config.plist"? Mirone Posted 10 March 2014 - 04:16 AM so if you go by injecting the audio clover. using a DSDT has no need to stir in config.plist. delete the flag NPCI = 0x2000/3000Mirone Posted 18 March 2014 - 10:17 AM @ Mirone (http://www.insanelymac.com/forum/user/702532-mirone/) Can you help me to patch apple Hda for VIA VT2020 for Asus maximus III gene board OFF TOPIC! $\textbf{look here:} \ \underline{\text{http://www.insanelym...patch-requests/(http://www.insanelymac.com/forum/topic/293863-applehda-patch-requests/)}$

Revolutioner Posted 30 March 2014 - 06:11 AM mirone getting this only cat: /proc/asound/cardo/codec#o: No such file or directory using linux mint Live USB ... enwe Posted 09 April 2014 - 07:11 AM can i to apply this method into all kind of audio codec..? like cmedia, ess and etc..?! Mirone Posted 09 April 2014 - 10:09 AM You can try. some codecs are not supported some of them work and others do not. trik82 Posted 18 April 2014 - 11:35 AM can't get internal mic working with ALC269 (VC2??) $Config Data\ o1471C10\ o1471D00\ o1471E17\ o1471F99\ o1571C20\ o1571D10\ o1571E21\ o1571F02\ o1271C30\ o1271D00\ o1271EA6\ o1271F99\ o1871C40\ o$ 01871D10 01871EA1 01871F02 Paths Line-in 8 - 35 - 24 Mic 9 - 34 - 18 Speaker 20 - 13 - 3 HDMI 21 - 12 - 2 Line-out 24 - 12 - 2 someone can help? **Attached Files** [iii] (http://www.insanelymac.com/forum/index.php?app=core&module=attach§ion=attach&attach_id=139580) codeco_dec.txt $(http://www.insanelymac.com/forum/index.php?app=core\&module=attach\§ion=attach\&attach_id=139580) \begin{tabular}{ll} 9.75KB & 13 & downloads & 13 & downlo$ Mirone Posted 18 April 2014 - 02:07 PM @trik82 Try this: $01471C10\ 01471D00\ 01471E13\ 01471F99\ 01571C20\ 01571D10\ 01571E21\ 01571F02\ 01271C30\ 01271D00\ 01271EA0$ 01271F90 01871C40 01871D10 01871E81 01871F02 01470C02. trik82 Posted 18 April 2014 - 02:22 PM @trik82 Try this: $01471C10\ 01471D00\ 01471E13\ 01471F99\ 01571C20\ 01571D10\ 01571E21\ 01571F02\ 01271C30\ 01271D00\ 01271EA0$ 01271F90 01871C40 01871D10 01871E81 01871F02 01470C02. nope (i) i still can see 2 output devices but no inputs

Allan	Posted 22 April 2014 - 01:46 PM
	mirone getting this only using linux mint Live USB
	try this:
	cat/proc/asound/cardo/codec#1>~/Desktop/codec_dump.txt
Page 1 of 4	Back to Guides and Tutorials
InsanelyMac Forum → OSx86 P	roject → Hardware Components and Drivers → Sound → Guides and Tutorials

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