



## ML: Clover Realtek ALC AppleHDA Injection

For ML Realtek ALC AppleHDA

Clover supports ML Realtek ALC AppleHDA.kext Audio ID injection; no enabler, no dsdt required.

### Requirements

1. Mountain Lion - 10.8.4 and newer
2. Realtek ALC\*, one of the following Device\_IDs:
  - 2a. 10ec0885
  - 2b. 10ec0887
  - 2c. 10ec0888
  - 2d. 10ec0889
  - 2e. 10ec0892
  - 2f. 10ec0898

\*See Notes below for ALC 8xy examples

3. Supported Audio-IDs (Audio\_ID = layout-id)

3a. Audio\_ID: 1 - 5/6 port ALC898 onboard audio and AMD/Nvidia HDMI audio\*

3b. Audio\_ID: 2 - 3 port ALC898 onboard audio and AMD/Nvidia HDMI audio\*

3c. Audio\_ID: 3 - 3/5/6 port ALC898 onboard audio and HD3K/HD4K/AMD/Nvidia HDMI audio\*

Audio\_IDs: 1 and 2 support analog 5.1 surround sound, 3 does not

Audio\_IDs: 1, 2 and 3 require HDMI audio dsdt edits for HDMI audio.

4. Clover\_v1597 or newer

### Tools

1. Property List Editor: Xcode, TextEdit, Plist Editor
2. IORegistryExplorer/File/Save a Copy As... (verify copy opens in IOReg before posting, use v2.1)
3. Applications/Utilities/Console
4. Carbon Copy Cloner or SuperDuper

### Backup System

1. Make a bootable backup with Carbon Copy Cloner or SuperDuper
2. Backup Clover/EFI/config.plist or Clover/EFI/OEM/ProductName/config.plist

### Remove Enabler (if installed)

1. Move To Trash, any audio enablers
  - 1a. Ex., S/L/E/HDAEnabler1.kext, HDAEnabler8--.kext, ALC8xxHDA.kext, etc.
  - 1b. Repair permissions and fix cache

**Clover\_v2000+**

### Edit config.plist (Clover/EFI/config.plist or Clover/EFI/OEM/ProductName/config.plist)

1. Determine PCI/Devices/Audio/Inject (from supported Audio\_IDs above)

1a. Audio\_ID = 1, Audio/Inject=1

1b. Audio\_ID = 2, Audio/Inject=2

1c. Audio\_ID = 3, Audio/Inject=3

2. Add config.plist/PCI/Devices

```
<key>Audio</key>
<dict>
  <key>Inject</key>
  <string>1</string>
</dict>
```

### Clover (prior to v2000)

### Edit config.plist (Clover/EFI/config.plist or Clover/EFI/OEM/ProductName/config.plist)

1. Determine HDAInjection (from supported Audio\_IDs above)

1a. Audio\_ID = 1, HDAInjection=1

1b. Audio\_ID = 2, HDAInjection=2

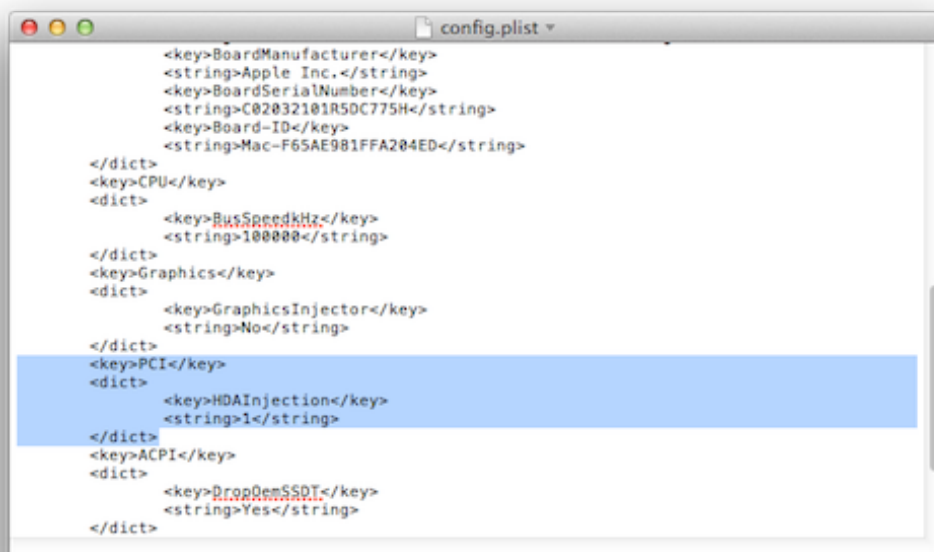
1c. Audio\_ID = 3, HDAInjection=3

2. Add config.plist/PCI/HDAInjection

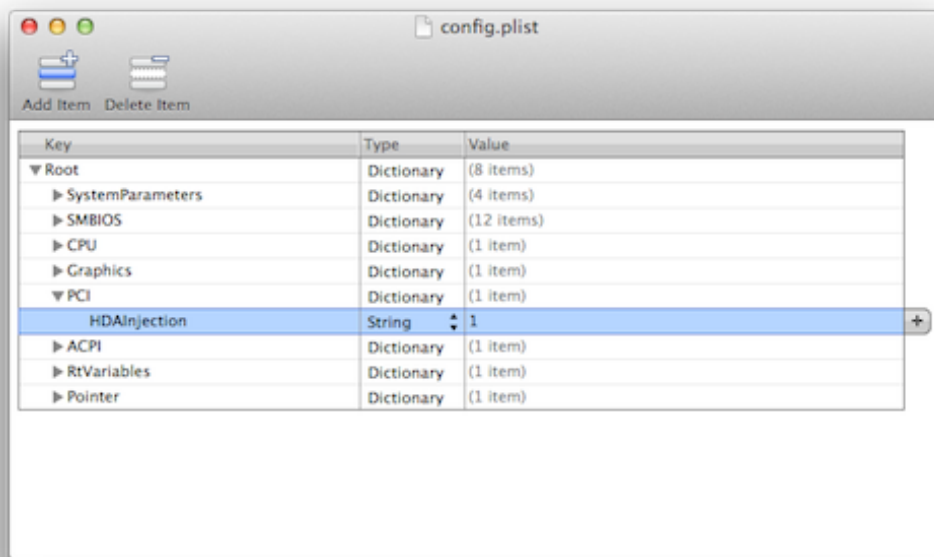
```
<key>PCI</key>
<dict>
  <key>HDAInjection</key>
  <string>1</string>
</dict>
```

3. Save

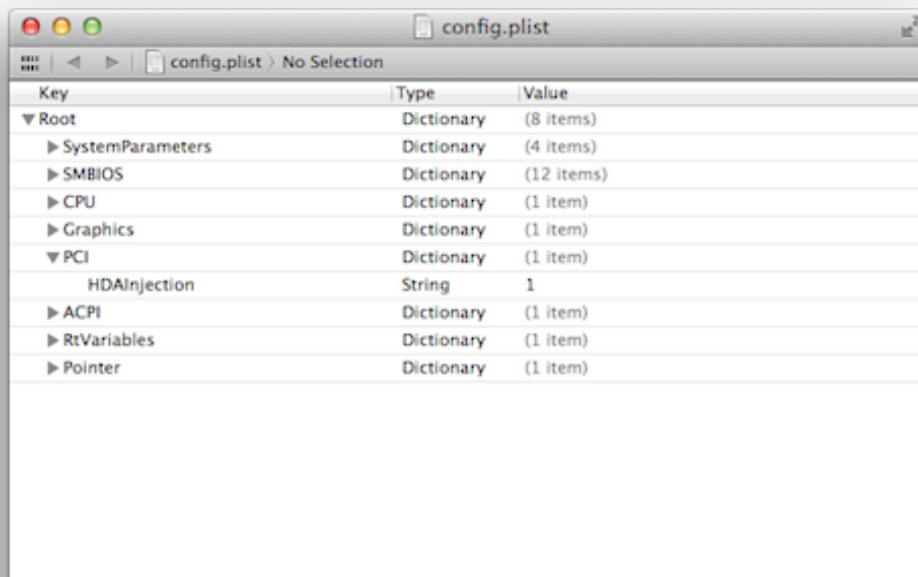
3a. TextEdit/config.plist



3b. Property List Editor/config.plist



3c. Xcode/config.plist

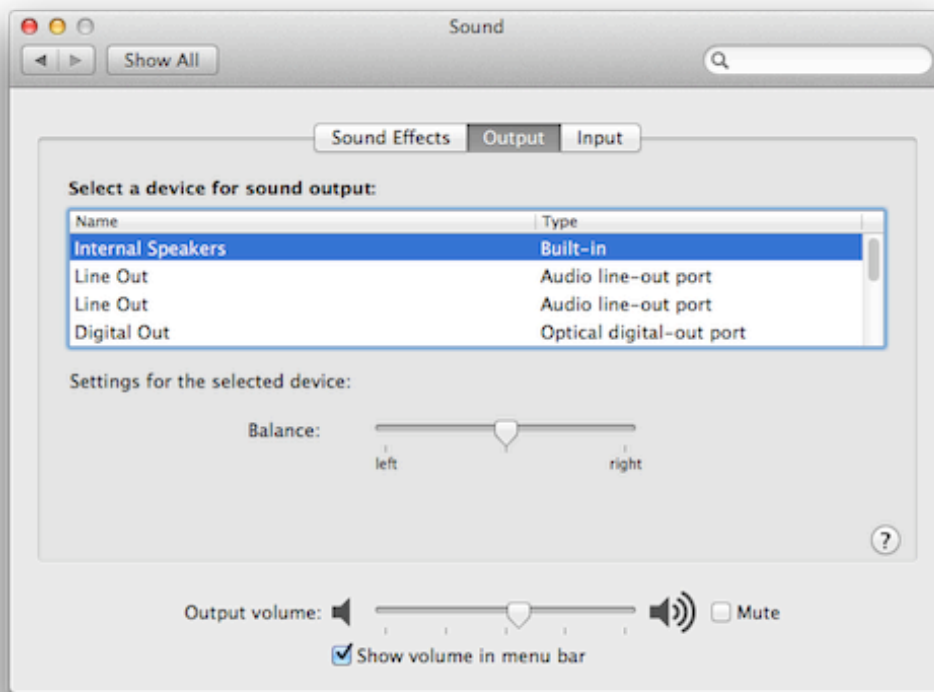


**Install ML Realtek ALC AppleHDA.kext**

**Restart**

**Verify Realtek 8xx Audio**

1. System Preferences/Sound/Output



### Troubleshooting

1. ML-Realtek ALC AppleHDA Capabilities.pdf
2. Post to <http://www.insanelymac.com>
3. Post to <http://www.tonymacx86.com/audio/76309-mountain-lion-multibeast-no-audio-solutions-problem-reporting.html>

### Notes

1. ALC 8xy can one of the following Realtek audio codecs:
  - 1a. ALC 885 aka ALC 889a
  - 1b. ALC 887 aka ALC 888b,
  - 1c. ALC 888 aka ALC 888s
  - 1d. ALC 889
  - 1e. ALC 892
  - 1f. ALC 898

Credits:

VCH888; [ALC889A](#), [Gigabyte \(Intel\): now having a working front mic - Page 38 - Sound - InsanelyMac Forum](#)