



[Guide] ML: How to Add HDEF/kext For Realtek ALC AppleHDA

Realtek ALC AppleHDA audio HDEF kext Audio ID Injection. A kext installation utility is required.

audio_ALCInjection

toleda/audio_ALCInjection

audio_kext_enabler

toleda/audio_kext_enabler

Requirements

1. OS X versions supported:
 1. Mountain Lion/10.8.4 and newer
 2. Mavericks/10.9 or newer
2. Realtek ALC, one of the following Device_ID - Codec Name
 1. 10ec0885 - ALC885/ALC889a
 2. 10ec0887 - ALC887/ALC888b
 3. 10ec0888 - ALC888/ALC888s
 4. 10ec0889 - ALC889
 5. 10ec0892 - ALC892
 6. 10ec0899 - ALC898
 7. 10ec0900 - ALC1150 - 10.8.5 or newer
3. Supported Audio-IDs (Audio_ID = layout-id)
 1. Audio_ID: 1 - 5/6 port Realtek ALC onboard audio and HD5K/AMD/Nvidia HDMI audio
 2. Audio_ID: 2 - 3 port Realtek ALC onboard audio and HD5K/AMD/Nvidia HDMI audio
 3. Audio_IDs: 1 and 2 support analog 5.1 surround sound
 4. Audio_IDs: 1 and 2 require HDMI audio dsdt edits/ssdts for HDMI audio.

Remove Enabler (if installed)

1. Remove any audio enablers
 1. dsdt, remove dsdt/HDEF/layout-id
 2. ssdt, remove ssdt/HDEF/layout-id

Tools

1. IORegistryExplorer (use IOReg_v2.1: https://github.com/toleda/audio_ALCInjection/blob/master/IORegistryExplorer_v2.1.zip)
2. Kext installer utility- Kext Wizard, Kext Utility, KextBeast, DPCIManager, etc.

Downloads

1. audio_kext_enabler/HDAEnabler1.kext.zip at master · toleda/audio_kext_enabler
2. audio_kext_enabler/HDAEnabler2.kext.zip at master · toleda/audio_kext_enabler

Installation

1. Run kext installer utility (Do not use Finder)

Verification

1. Restart
2. IORegistryExplorer
 1. Search: HDEF
 2. Locate: layout-id (right pane, scroll down)
 3. Verify:
 - <01 00 00 00> or
 - <02 00 00 00>

Troubleshooting

1. Realtek ALC AppleHDA Capabilities.pdf
2. Post to <http://www.insanelymac.com/forum/topic/290796-realtek-alc-applehda-audio-injection/>
3. Post to <http://www.tonymacx86.com/audio/76309-mountain-lion-multibeast-no-audio-solutions-problem-reporting.html>

Credits: Taruga