



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

Realtek ALC AppleHDA audio HDEF ssdt Audio ID Injection; no kext or dsdt enabler required.
Installation requires copying the downloaded SSDT-1.aml to Extra.

audio_ALCInjection

toleda/audio_ALCInjection

audio_ssdt_enabler

toleda/audio_ssdt_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. kexts, S/L/E/HDAEnabler1.kext, HDAEnabler8--.kext, ALC8xxHDA.kext, etc.
 2. dsdt, remove dsdt/HDEF/layout-id

Tools

1. MaciASL <http://maciasl.sourceforge.net/>
2. IORegistryExplorer (use IOReg_v2.1: https://github.com/toleda/audio_ALCInjection/blob/

master/IORegistryExplorer_v2.1.zip)

3. Rebuild kernel cache: see [DPCIManager 1.5 Open Beta](#)

Downloads

1. audio_ssdt_enabler/audio_ssdt-hdae-1.zip at master · toleda/audio_ssdt_enabler
2. audio_ssdt_enabler/audio_ssdt-hdae-2.zip at master · toleda/audio_ssdt_enabler

Installation

1. Copy Downloads/ssdt-ami-8_series_hdmi_audio-1/SSDT-1.aml to Extra
 1. If Extra/SSDT.aml is present, install Downloads/audio_ssdt-uefi_hdmi_v3/SSDT-1.aml as Extra/SSDT-1.aml
 2. If no Extra/SSDT.aml, rename Downloads/audio_ssdt-uefi_hdmi_v3/SSDT-1.aml to SSDT.aml and install as Extra/SSDT.aml
3. Rebuild kernel cache
4. Enable SSDT
 1. Chimera or Chameleon - Extra/org.chameleon.Boot.plist
 - <key>DropSSDT</key>
 - <string>Yes</string>
 2. Clover_v2000+ - EFI/CLOVER/config.plist/ACPI/SSDT
 - <key>DropOem</key>
 - <true/>

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:

SJ_UnderWater: [SourceForge.net: MaciASL - Project Web Hosting - Open Source Software](#)

bcc9: <http://www.insanelymac.com/forum/top...ort/?p=1934889>

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