[Guide] ML: How to Add ssdt/HDEF

For ML Realtek ALC AppleHDA

Introducing HDEF ssdt injection for Mountain Lion Realtek ALC AppleHDA audio, no kexts and no dsdt edits. Installation is as simple as copying the downloaded SSDT-1.aml to Extra.

audio_ssdt_enabler
githup.com/toleda/audio_ssdt_enabler

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
3. dsdt/HDEF
3a. Verify IOReg/Search: HDEF, if no HDEF, see github.com/toleda/audio_kext_enabler

Tools
1. IORegistryExplorer/File/Save a Copy As… (use IOReg_v2.1)

Remove Enabler
1. Remove any kext audio enablers
1a. Ex., S/L/E/HDAEnabler1.kext, HDAEnabler2--.kext, ALC8xxHDA.kext, etc.

Downloads
1. audio_ssdt-hdae-1
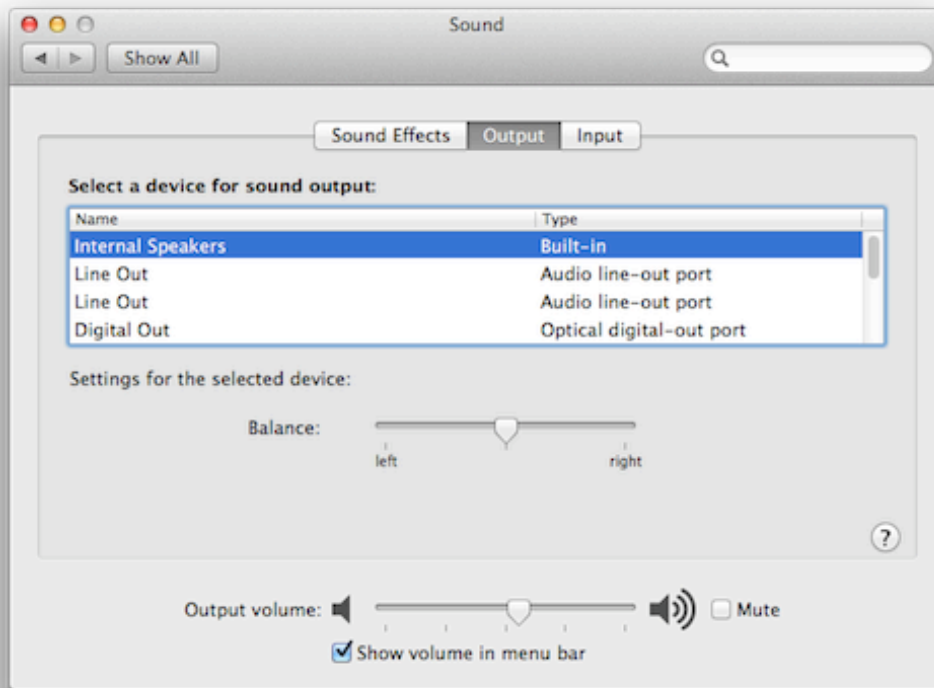2. audio_ssdt-hdae-2

Installation
1. Copy Downloads/audio_ssdt-hdae1 or audio_ssdt-hdae2/SSDT-1.aml to Extra
1a. Extra/SSDT.aml is present, install Downloads/ssdt-audio_uefi_hdmi_v3/SSDT-1.aml as Extra/SSDT-1.aml
1b. If no Extra/SSDT.aml, rename Downloads/ssdt-audio_uefi_hdmi_v3/SSDT-1.aml to SSDT.aml and install as Extra/SSDT.aml
1c. The 1st SSDT is SSDT, 2nd is SSDT-1, 3rd is SSDT-2, etc.; no gaps

2. Install Mountain Lion Realtek ALC AppleHDA.kext
3. Restart

Verify Realtek ALC Audio
1. System Preferences/Sound/Output

Troubleshooting
1. ML-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

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
SJ_UnderWater: SourceForge.net: MaciASL - Project Web Hosting - Open Source Software
PikeRAlpha