



No Sound - Realtek ALC AppleHDA

For Realtek ALC885 through ALC1150 on board audio codecs

Change Log

1. v1.1 - 10/15/2014: Yosemite/10.10.x, Mavericks/10.9.x and Mountain Lion/10.8.x
2. v1.0 - 10/8/2013 - Mavericks 1st Release

[toleda/audio_ALC_guides](https://github.com/toleda/audio_ALC_guides)

A successful audio configuration is required for working Yosemite audio. Most "No Sound" problems are caused by an incorrect configuration, usually, the setting selected and the port connected do not work because they are not designed to work. The wrong choice, any other choice but the correct choice, will result in audio failure. This Guide applies to Yosemite/10.10 and newer and the Realtek ALC AppleHDA.kext_v266.5 and newer.

If System Preferences/Sound/Output says "No audio output devices found", see [https://github.com/toleda/audio_ALC_guides//No Audio Devices - Realtek ALC AppleHDA \[Guide\]](https://github.com/toleda/audio_ALC_guides//No Audio Devices - Realtek ALC AppleHDA [Guide])

I. No Sound

A. Audio Outputs (System Preferences/Sound/Outputs > SPSOut)

1. Speakers - Audio IDs: 1, 2 and 3
 - a. Connect speakers to Green Port/Motherboard
 - b. Select SPSOut/"Internal Speakers"
 - c. Unmute
 - d. Set Volume to 75%
 - e. iTunes/Music/Play
 - f. Verify Sound
 - g. If no sound, goto **II. Problem Reporting**
2. Remaining audio output devices
 - a. Audio ID: 1
 - i. SPSOut/Headphones > Green Port/Front Panel

- ii. SPSOut/1st Line Out > Orange Port/Motherboard
 - iii. SPSOut/2nd Line Out > Black Port/ Motherboard
 - iv. SPSOut/Digital Out > Optical/Motherboard
 - b. Audio ID: 2
 - i. SPSOut/Headphones > Green Port/Front Panel
 - ii. SPSOut/1st Line Out > Pink Port/Motherboard
 - iii. SPSOut/2nd Line Out > Blue Port/Motherboard
 - iv. SPSOut/Digital Out > Optical/Motherboard
 - c. Audio ID: 3
 - i. SPSOut/Headphones > Green Port/Front Panel
 - ii. SPSOut/Line Out > Black Port/ Motherboard
 - iii. SPSOut/Digital Out > Optical/Motherboard
- B. **Audio Inputs (System Preferences/Sound/Inputs > SPSIn)**
 - 1. Microphone - Audio IDs: 1 and 3
 - a. Connect Microphone to Pink Port/Motherboard
 - b. Jump to 2. Select SPSIn"Internal Microphone"
 - 2. Microphone - Audio ID: 2
 - a. Connect Microphone to Pink Port/Front Panel
 - b. Select SPSIn/"Internal Microphone"
 - c. Unmute
 - d. Set Volume to 75%
 - e. Speak into Microphone
 - f. Verify Sound
 - g. If Input Level does not show a signal, goto **li. Problem Reporting**
 - 3. Remaining audio input devices
 - a. Audio IDs: 1 and 3
 - i. SPSIn/1st Line In > Pink Port/Front Panel
 - ii. SPSIn/2nd Line In > Blue Port/Motherboard
- C. **Front Panel**
 - 1. Assumes working Internal Speakers (Green/Rear) and Line In (Pink/Rear)
 - 2. Front panel motherboard connector
 - a. AC97 - not supported
 - b. HD Audio
 - i. HD Audio connected to motherboard front panel audio connector
 - ii. Plug Headphone into Green/Front
 - 1. If Internal Speakers changes to Headphone
 - i. Front Panel working
 - iii. Plug Microphone into Pink/Front (Audio ID: 2, N/A)
 - 1. If Internal Microphone changes to Line In
 - i. Front Panel working
 - c. If HDAudio and no switching
 - 1. Hardware/installation problem
 - 2. Off topic

II. Problem Reporting

- A. Post to [toleda/audio_RealtekALC/README/Problem Reporting/link](https://toleda.com/audio_RealtekALC/README/Problem%20Reporting/link)

- B. Description of audio problem
- C. OS X version/motherboard model/BIOS version/processor/graphics
- D. Procedure/Guide Used
- E. Copy of IOREG or IOJones (see **Tools** B, select one)
 - 1. IOREG/File/Save a Copy As..., verify file (no ioreg.txt)
 - 2. IOJones/Save..
- F. System/Library/Extensions/AppleHDA.kext
- G. System/Library/Extensions/AppleHDAxxx.kext (if installed)
- H. Console/All Messages/Sound Assertions - select/Save Selection As:
- I. Screen shots:
 - 1. DPCIManager/Status (**Tools** A.)
 - 2. System Information/Hardware/Audio/Intel High Definition Audio (not Devices)
- J. Terminal/Shell/Export Test As. . . (if script used)
 - 1. audio_realtekALC-100.command
 - 2. AppleHDA8Series.sh
 - 3. audio_cloverALC-100.command
- K. Chimera/Chameleon (if installed)
 - 1. Extra/org.chameleon.Boot.plist
 - 2. DPCIManager/Misc/Boot Log
 - 3. Extra/dsdt.aml (if installed)
 - 4. Extra/ssdt.aml (if installed)
- L. Clover (if installed)
 - 1. EFI/CLOVER/config.plist
 - 2. EFI/CLOVER/misc/debug.log (Set config.plist/Boot/Debug/YES)
 - a. or DPCIManager/Misc/Boot Log
 - 3. EFI/CLOVER/ACPI/patched/dsdt.aml (if installed)
 - 4. EFI/CLOVER/ACPI/patched/ssdt.aml (if installed)

Tools

- A. [DPCIManager](#)
- B. IORegistry Explorer (choose one)
 - 1. [IORegistryExplorer_v2.1.zip](#)
 - 2. [IOJones](#)

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