No Sound -
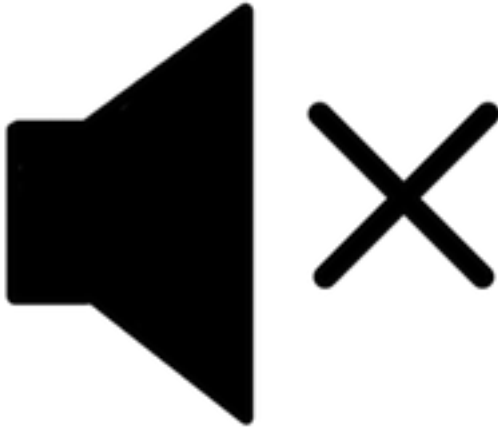# Realtek ALC AppleHDA [Guide]

Realtek ALC/Desktop: 269(1), 283(1), 885, 887, 888, 892, 898 and 1150 on board audio (1) BRIX/NUC only
Supports OS X: 10.11, 10.10, 10.9 and 10.8

A successful audio configuration is required for working OS X/Realtek audio. Most "No Sound" problems are caused by an incorrect configuration. Often, the setting selected and the port connected do not work because they are not designed to work. Only correct choices produce working audio

Change Log
1. v2.0 - 1/21/15: El Capitan/10.11.x
2. v1.1 - 10/15/14: Yosemite/10.10.x, Mavericks/10.9.x and Mountain Lion/10.8.x
3. v1.0 - 10//8/13 - Mavericks 1st Release

If System Preferences/Sound/Output says "No audio output devices found", see audio_ALC_guides/No Audio Devices.pdf

Dual booting OS X/Windows: may impair audio in OS X; credit Tsunade, Post #206, No Sound - Realtek ALC AppleHDA [Guide]; Solution, Post #229

Works as Designed, Not Considered an Audio Problem
A. System Preferences/Sound/Output "The selected device has no output controls"
    1. OS X does not provide digital/aggregate audio device control
        a. No volume, no mute, no balance, etc.
    2. The connected audio device provides any and all audio control
        a. TV, receiver, etc.

Contents
I.   No Sound
II.   Unsupported/Non-working Realtek ALC AppleHDA
III.   Problem Reporting

I.   No Sound (System Preferences/Sound screenshots, see
   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 **Ii. 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. **Unsupported/Non-working Realtek ALC AppleHDA**
  A. See See Realtek ALC AppleHDA/Unsupported/Non-working Realtek ALC AppleHDA
    1. 100 Series/Intel High Definition Audio:
    2. X99/Intel High Definition Audio:

III. **Problem Reporting**,
  A. See Problem Reporting
    1. Links: **Problem Reporting**/12. Post to
    2. Attached requested files

Tools
  A. DPCIManager
  B. IORegistry Explorer (choose one)
    1. IORegistryExplorer_v2.1.zip
    2. IOJones

toleda
https://github.com/toleda/audio_ALC_guides