Nvidia GT/S/X 4xx/5xx Case Studies

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Procedure

1. Copy required kexts from System/Library/Extensions (S/L/E) to Desktop/Folder for edits
2. Make edits as described below for your graphic card
3. Install edited kexts in S/L/E with Kext Beast or Kext Wizard/Repair permissions & kextcache
4. Reboot

Note: HDMI audio dsdt edits must already have been applied successfully

1. Nvidia GT 240 - EVGA

Nvidia GT 240	Device_id:	10de 0ca3	(as reported in System Profiler)
HDAU	Device_id	de10 0be4	(as reported in IOReg/HDAU)
IOHDACodecVendorID	Device_id:	de10 000d	(as reported in IOReg/HDAU)

Kext Edits:
a. NVDANV50Hal.kext/Contents/Info.plist
10de 0ca3 present, no editing required, GraphicsEnabler=Yes
b. AppleHDA.kext/Contents/MacOS/AppleHDA binary
HexEdit/Find: 14 00 de 10 HexEdit/Replace: 0d 00 de 10 (4x)
c. AppleHDA.kext/Contents/Plugins/AppleHDAController.kext/Contents/MacOS/AppleHDAController binary
HexEdit/Find: de 10 e4 0b HexEdit/Replace: de 10 e3 0b (2x)
HexEdit/Find: de 10 ea 0b HexEdit/Replace: de 10 e4 0b (4x)

2. Nvidia GT 430 - EVGA

Nvidia GT 430	Device_id:	10de 0de1	(as reported in System Profiler)
HDAU	Device_id	de10 0bea	(as reported in IOReg/HDAU)
IOHDACodecVendorID	Device_id:	de10 0014	(as reported in IOReg/HDAU)

Kext Edits:
a. NVDAGF1000Hal.kext/Contents/Info.plist
10de 0de1 present, no editing required, GraphicsEnabler=Yes
b. AppleHDA.kext/Contents/MacOS/AppleHDA binary
14 00 de 10 present, no editing required
c. AppleHDA.kext/Contents/Plugins/AppleHDAController.kext/Contents/MacOS/AppleHDAController binary
de 10 ea 0b present, no editing required

3. Nvidia GT 460 - EVGA

Nvidia GT 460	Device_id:	10de 0e22	(as reported in System Profiler)
HDAU	Device_id	de10 0beb	(as reported in IOReg/HDAU)
IOHDACodecVendorID	Device_id:	de10 0012	(as reported in IOReg/HDAU)

Kext Edits:
a. NVDAGF1000Hal.kext/Contents/Info.plist
10de 0de1 present, no editing required, GraphicsEnabler=Yes
b. AppleHDA.kext/Contents/MacOS/AppleHDA binary
He AppleHDA.kext/Contents/Plugins/AppleHDAController.kext/Contents/MacOS/AppleHDAController binary
HexEdit/Find: de 10 ea 0b HexEdit/Replace: de 10 eb 0b (4x)

4. Nvidia GT 570 HD - EVGA

Nvidia GT 570 HD	Device_id:	10de 0186	(as reported in System Profiler)
HDAU	Device_id	de10 0e09	(as reported in IOReg/HDAU)
IOHDACodecVendorID	Device_id:	de10 0018	(as reported in IOReg/HDAU)

Kext Edits:
a. NVDAGF1000Hal.kext/Contents/Info.plist
10de 0186 not present, editing required, GraphicsEnabler=Yes
TextEdit/add: 0x108610de&0xffc0ffff to Info.plist/IOPCIPrimaryMatch
b. AppleHDA.kext/Contents/MacOS/AppleHDA binary
HexEdit/Find: 14 00 de 10 HexEdit/Replace:18 00 de 10 (4x)
c. AppleHDA.kext/Contents/Plugins/AppleHDAController.kext/Contents/MacOS/AppleHDAController binary
HexEdit/Find: de 10 ea 0b HexEdit/Replace: de 10 09 0e (4x)