# Erledigt DSDT fix Z87MX-D3H (OZ167X)

### Beitrag von „Huberer“ vom 27. Februar 2016, 22:12

Thanks for the info. I have a similar approach. With Yosemite I had a look at the "namings" of the usb connectors.
HSXX stands for USB2.0 and SSPX stands for USB3.0 and these countings/namings are in the DSDT (just open the dsdt with MaciASL and look for HS01 or SSP1).
So I found out that the internal USB3.0 connector of the Z87MX has the countings SSP1, HS01, SSP2 and HS02. The USB3.0 connectors on the back of the mobo have SSP3, HS03, SSP4, HS04,... One USB3.0 counts for two connectors (USB3.0 and USB2.0). The two USB-connectors in the back have HS09 and HS10.
All in all this motherboard has 21 USB countings. So you have two options for the USB-problematic of El Capitan (15 ports limit): The first is to make a workaround with "homemade" kexts or scripts to bypass the 15 number limit and to risk an instable system because from Apple it's not planned to have more than 15 usb ports. Or second, to say to El Capitan (via the dsdt) my hardware has not more than 15 usb ports. For that you have to remove the unneeded usb countings within DSDT. E.g. one internal and not used USB connector has HS07, another HS08,... Because of this knowing I've removed the part within DSDT which belongs to the mentioned connectors. So I came down to the 15 number limit and therefore you don't need any special "homemade" kexts which can lead to an instable system (like mentioned before). A negative side effect of this (removing part of dsdt) is that this usb connector (e.g. internal USB2.0 with HS07) doesn't work anymore. Because OSX looks in the dsdt which hardware is existing, doesn't find it and don't use it.
As you could see some dsdt's ago (good naming) one USB3.0 and USB2.0 of your front ports didn't work. I've removed the SSP2 and HS02 parts of the internal USB3.0 connector. This showed that the connector needs all 4 countings (SSP1-2 and HS01-02) and it was a mistake from my side to remove it.

Coming back to the description of PikerAlpha. I did quite the same but he made one mistake. When you have a look at his drawing and you count the USB port numbering you will see that he has 16. This is one to much and therefore one USB3.0 will not work. Why USB3.0 and not USB2.0? I guess that EC starts with the countings of the HSXX (USB2.0 ports) because they come first in the DSDT followed by the SSPX (USB3.0). He also wrote that all USB2.0 ports (which he described) work and some USB3.0. Now you know why he wrote "some" and not "all"....

I hope I could explain in that way that you understand it. I'm also a noob in this case and read a little bit about it. My plan was to go the Vanilla route (the less external kext to use the better

is it) and therefore I found this description. Now I found everything out but don't use EC because I love Mavericks and it's that fu**ing stable that I don't want to switch.