

# ASUS Rampage VI Extreme (original) with Radeon VII

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So I did a completely fresh EFI, and hand constructed all my own SSDT's. I also added initial setup for my ASUS ThunderboltEX 3 card. I followed KGP's info on his big post for x299 and Mojave.

I also learned something today, the 15 port USB limit is per USB controller, not for the entire system, according to CorpNewt. That was awesome to find out, meaning I only had to remove one USB port ( my ASUS RGB haha which was already useless ).

Edit\* I was able to get my ThunderboltEX 3 fully working! I followed KGP's guide to the letter, and took his SSDT-X299-TB3HP.aml and modified it to point to my 4th PCI slot. I was able to get my Thunderbolt drive working, but only if it was connected on boot. I read his post over and over again. Then it dawned on me, I remember seeing his post in 2 places, insanelymac and (illegal word on this forum). I was using the one at an insanelymac, so I went over to the (illegal word on this forum). It turns out he had completely different [BIOS settings](#) for Thunderbolt in that one. It was also dated 2 weeks later. So I updated my [BIOS settings](#), and now it is working with full hot swap support!

Still having issues with trying to boot up Catalina sadly.