

Erledigt

[Need Help] H87 Clover "End RndomSeed" +++ and reboot

Beitrag von „June“ vom 20. März 2020, 08:45

Hello everyone !

I want to new install a 10.13.6 into my computer, is Colorful H87 mainboard\ i7 4960HQ CPU\ Iris Pro 5200 VideoCard\ 4 GB RAM\ 256G NVMe SSD

mainboard was made by WibTek, CPU was MoDT, I has Disable the CFG Lock and set [DVMT](#) more than 128MB

The dmg was made by someone and added clover but I don't know why this happens when the clover boot installer starts: "End RndomSeed" +++ ,then reboot

```
Start ProcessOptions
End ProcessOptions
RegisterRestartDataProtocol: called. 0xd88e3d98
RestartData protocol installed successfully.
Start SetConsoleMode
End SetConsoleMode
Start ReadKernelCache
End ReadKernelCache
Start UncompressKernelCache
End UncompressKernelCache
Start CalculateAdler32
End CalculateAdler32
Start LoadKernelFromStream
End LoadKernelFromStream
Start InitBootStruct

root device uuid is 'DE31A191-EA70-3A95-9E05-B02E5760066C'
End InitBootStruct
Start LoadRAMDisk
End LoadRAMDisk
Start FinalizeBootStruct
Start RandomSeed
End RandomSeed
+++++
```

I am sure that this USB installer disk can be used in others laptop?

Beitrag von „griven“ vom 20. März 2020, 08:54

Try an other, maybe older Clover versions or switch to OpenCore instead of Clover. The shown Error is related to AptioMemoryFix or OSXAptioFix depending on which of them you use. You may also try to replace every AptioFix you may use with OCQuirks and OpenRuntime.efi as well.

Beitrag von „Raptortosh“ vom 20. März 2020, 10:28

[June](#)

Why do you have a H87 and a Notebook CPU? <https://ark.intel.com/content/...cache-up-to-3-80-ghz.html>

And what DMG?

[Zitat von June](#)

The dmg was made by someone and added clover

Beitrag von „June“ vom 20. März 2020, 10:55

[Zitat von griven](#)

The shown Error

@[griven](#) Can you teach me how to analyze this log file? Or is there any thread related to it? I

can't understand German.....

Thx

Beitrag von „Raptortosh“ vom 20. März 2020, 10:56

From where do you have the DMG?

Beitrag von „June“ vom 20. März 2020, 11:00

[Zitat von theCurseOfHackintosh](#)

H87 and a Notebook CPU?

hahaha, that's comes from the far east, you can find gen 4th or later mobile CPUs be modified to running on desktop mainboard XD

Beitrag von „Raptortosh“ vom 20. März 2020, 11:02

OK, I once saw a Motherboard to install a Notebook CPU one it. Have you also wrote this?
<https://www.hackintosh-inc.de/...a/?postID=27649#post27649>

Beitrag von „griven“ vom 20. März 2020, 11:26

In this special case the preboot log is pretty useless since all the preboot related stuff is already done at this point. The error occurs after clover handed control over to apples boot.efi which fails to deflate the prelinked kernel due to a lack of free coherent memory under 4gb (that's where AptioMemoryFix or OSXAptioFix come into place). Besides that you should really clean up your EFI Folder since you inject a lot of unnecessary extensions such like Smalltreee

drivers and stuff like that...

Beitrag von „June“ vom 20. März 2020, 11:36

[Zitat von theCurseOfHackintosh](#)

OK, I once saw a Motherboard to install a Notebook CPU one it. Have you also wrote this? <https://www.hackintosh-inc.de/...a/?postID=27649#post27649>

yep, you find me! this reply written by me.. but in that thread I said that E3 CPU not mobile CPU.. and.... can you teach me how to reply someone in this forum? for example, I don't know how to reply #2

Beitrag von „Raptortosh“ vom 20. März 2020, 11:39

And that was me <https://www.hackintosh-inc.de/...a/?postID=27673#post27673> :).

Do you mean the 2nd post? (#2)

Beitrag von „June“ vom 20. März 2020, 11:43

[Zitat von theCurseOfHackintosh](#)

And that was me <https://www.hackintosh-inc.de/...a/?postID=27673#post27673> :).

Do you mean the 2nd post? (#2)

That forum didn't remind me...

Not just for # 2, I don't know how to use this forum....

Beitrag von „griven“ vom 20. März 2020, 11:44

If you want to reply to an special post or grab the attention of an user simply highlight that user by adding the "@" character followed by the user you wish to highlight (no blanks between @ and username) 😊

Beitrag von „June“ vom 20. März 2020, 12:32

[griven](#) thank you, I got it.

Maybe I need try OpenCore.

I have another questen: I made an Ozmosis by myself, and I also made a USB installation disk using Apple's official dmg. It doesn't have ESP. Can ozmosis boot it?

Beitrag von „Raptortosh“ vom 20. März 2020, 12:33

[June](#)

Is the other System the H97?

Beitrag von „June“ vom 20. März 2020, 12:35

[Raptortosh](#)

In this forum, is H87

In that forum, is H97

Beitrag von „Raptortosh“ vom 20. März 2020, 12:36

[June](#) No I asked which board do you use with OZMOSIS?

Beitrag von „June“ vom 20. März 2020, 13:14

[Raptortosh](#) H87 ☐☐

Beitrag von „Raptortosh“ vom 20. März 2020, 13:15

OK on this one here? (Colorful)

Beitrag von „June“ vom 20. März 2020, 13:18

[Raptortosh](#) yes

Beitrag von „Raptortosh“ vom 20. März 2020, 13:19

Why do you use Clover and Ozmosis?

Beitrag von „June“ vom 20. März 2020, 13:26

[Raptortosh](#) I use Ozmosis first, but it can not boot that USB installation disk made with official

dmg (do not have ESP)

PS: In fact, I don't know how to install MacOS with Ozmosis or how to make a useful USB installer with official dmg....

Beitrag von „Raptortosh“ vom 20. März 2020, 13:32

You can make a Installer with TINU and the official app.

Can you upload the Ozmosis Bios?

Beitrag von „June“ vom 20. März 2020, 16:00

[Raptortosh](#) When I flash it and found it doesn't work, I deleted it . But I can make a new one ...

Beitrag von „Raptortosh“ vom 20. März 2020, 16:02

Ok make a New one or give me the original bios so that I can make a New one.

Beitrag von „June“ vom 20. März 2020, 16:45

[Raptortosh](#) I have a new questen: Can I use 167x-max to install 10.13.6 without these (special tool or ffs for 10.15.x) ?

Beitrag von „Raptortosh“ vom 20. März 2020, 16:47

No with XMAX you Need KernextPatcher for every OS. Can you upload the original BIOS for this board, then I'll make a OZ. I don't find anything About this Board.

Beitrag von „June“ vom 20. März 2020, 17:32

[Raptortosh](#) My mainboard's original BIOS don't have enough space to insert most of ozmosis ffs files, so I delete all the CSM support files and compressed the CORE_DXE. I want to insatll 10.13, but 10.14 would be better. This mainboard use ALC887 and RTL8111, I hope the drivers can be built-in, but it's okay if we can't

I try to learn how to use the "TINU", but it can only running in OS X, I dont have a hackintosh yet, so what can I do ?

Thanks in advance!

Beitrag von „Raptortosh“ vom 20. März 2020, 17:50

Normally you shouldn't do that with removing CSM Core. Have you flashed a BIOS without CSM? This way you can also mac a installer stick [macOS Internet Recovery Stick: Installation ohne Mac oder VM](#). Here [mhaeuser](#) wrote that this could be dangerous. [Ozmosis Bios für macOS High Sierra erstellen](#)

Beitrag von „June“ vom 20. März 2020, 18:02

[Raptortosh](#) It can running well in my mainboard, because of I disable all the CSM option and set it to UEFI Only.

[Zitat von theCurseOfHackintosh](#)

this could be dangerous.

Sorry, which is dangerous? I can't understand this sentence, my native language is not

english...

Beitrag von „Raptortosh“ vom 20. März 2020, 18:05

OK when it works than that isn't so dangerous.

So now here a Rom to test. There isn't much space so I can't insert your Audio and Ethernet Kexts.



Is this the Board?

Beitrag von „June“ vom 20. März 2020, 18:25

Yes, it is. I used to create some reports use MMTool, and compare theirs volume space, I found this may not be inaccurate.

I have used MMTool to create reports of different modified versions of this BIOS, and I found that the volume size shown in the report may not be accurate

[Zitat von theCurseOfHackintosh](#)

[macOS Internet Recovery Stick: Installation ohne Mac oder VM.](#)

This thread mentioned "Clover will be installed", can this be used for ozmosis ?

Beitrag von „Raptortosh“ vom 20. März 2020, 18:28

OK. I don't understand your second sentence. 😊

Yes you can use this also with Oz.

Beitrag von „June“ vom 20. März 2020, 20:18

[Raptortosh](#) I don't know why it doesn't work: when it's booting, the theme or kernel of the ozmosis can not be loaded, but is too late now for me now, I have to go sleep, I will try again tomorrow

Today I make a new one with the ffs files decompressed from you made for me tomorrow, I can't see the theme of ozmosis which I inserted in, and when I select "High Sierra install" from UEFI, the screen shows me "No way sign".

I remember that last time I saw the Ozmosis' theme I used 167X MAX, download from [this thread](#) just ozmosis\EnhanceFat\APFS\HFS+\Default\FakeSMC, without DarBoot\kernextPatch

Beitrag von „Raptortosh“ vom 21. März 2020, 13:21

Do you have a Defaults in EFI/OZ or in the Rom? What did you set in the BIOS. I don't know if this Needs UEFIPatch.

Beitrag von „June“ vom 21. März 2020, 13:48

[Raptortosh](#) yes, I decompressed OzmosisDefault.ffs from OZMOSIS.rom you made for me, and

the usb installer also have some built-in default.plist. I select one which support iris pro 5200, the broad name is MBP 11,1.... In fact, I think I need iMac 14,x

Beitrag von „Raptortosh“ vom 21. März 2020, 13:51

No I this Defaultls isn't made by me, it is from the OZMOSIS for Catalina Thread from @kuckuck.
OK with your CPU a MacBookPro SMBios could work.

Beitrag von „June“ vom 21. März 2020, 14:03

[Raptortosh](#) my mainboard is desktop series, it doesn't matter ?

Beitrag von „Raptortosh“ vom 21. März 2020, 14:12

But your CPU not. You can try both. Is this your CPU? <https://www.ebay.com/itm/MAGIC...7-W-LGA1150-/292931966067>

Beitrag von „June“ vom 21. März 2020, 14:36

[Raptortosh](#) Ok, I ask my friend to make a plist for me, he can use OZC

Beitrag von „Raptortosh“ vom 21. März 2020, 14:38

[kuckuck](#) said that we shouldn't use OZC anymore [Ozmosis mit macOS Catalina 10.15 -](#)

Beitrag von „June“ vom 21. März 2020, 15:36

[Raptortosh](#) I think I can have a try. I mentioned [nokiachangzhi](#) use B85/4690K/OZMosis 167X MAX/OS X 10.15, but if I use 167x mass and 10.13, can I use ozm configurater? The last OZC was release in 2018, 167x mass was release in 2016, 10.13.6 was also not a mordern system....

But, I found [Set BIOS Features/Display Boot Option ROM Control to Legacy Only by default.](#) ...

What can I do ?

Beitrag von „Raptortosh“ vom 21. März 2020, 15:49

OK you can try it, but I don´t know if OZC also works with 10.15. So try it. 😊

Beitrag von „kuckkuck“ vom 21. März 2020, 18:31

Ozmosis Configurator provides not-up-to-date SMBios values, creates corrupted Defaults.plist and tries to inject values that do not exist which leads to undefined behaviour. It has always been like this unfortunately.

Beitrag von „June“ vom 22. März 2020, 14:14

[Raptortosh](#) Hello my friend, I make a new OZM-bios with [167x max for Mojave], so I can see the theme of Ozmosis now, but when I try to boot the item which I selected[not only 10.13\10.14 with clover made by someone, but also shown as "OS name installxxxx"], the Clover EFI option will reboot after "End RandomSeed ++++", and the "OS name installxxxx"

will show me a "No Way sign" then downtime. The version of Clover is 2.5k r5050, the config.plist comes with clover are [config.plist](#) and [config_HD5000_5100_5200.plist](#). Can you help me to fixup this problem? Should I make a pure USB installer?

[kuckkuck](#) Thank you, I got it.

[nokiachangzhi](#) [REDACTED]dmg [REDACTED] ozmosis [REDACTED]clover [REDACTED]End RandomSeed [REDACTED] [REDACTED]logo [REDACTED] [REDACTED]

Beitrag von „nokiachangzhi“ vom 23. März 2020, 05:13

[June](#)

[REDACTED] [REDACTED]ozmosis [REDACTED]clover [REDACTED] [REDACTED]

Hi, you used Ozmosis. Why use clover? The functions of these two boot tools are the same. Why do you use them at the same time?

Beitrag von „June“ vom 23. März 2020, 06:26

[nokiachangzhi](#) [REDACTED]oz [REDACTED]OS X [REDACTED] = = [REDACTED]

Cause I don't know how to new install a OS X into my OZMOSIS modified motherboard = = Can you help help me ? XDDD

Beitrag von „kuckkuck“ vom 24. März 2020, 15:15

What's the problem first of all? Make sure all files on your EFI Partition including the defaults.plist and all of its (SMBios) values are up to date; create a USB Install Drive for the macOS Version you want to use; flash a ROM that supports the Version of macOS that you

want to use and boot the thumb drive in Verbose mode...

Beitrag von „nokiachangzhi“ vom 24. März 2020, 15:34

[June](#)

OZ BIOS

store 8G U macOS U OZ U macOS

After the BIOS of Oz is finished, the installation method is the same as that of Macintosh . First, you need to have an apple system environment, and then, from the app Store downloads the system installation package, prepares a U disk of about 8g, and then makes the Mac OS installation disk with the command in the terminal (the installation disk made in this way can also be used by Macintosh). Then the computer plugs in the U disk, and after power on, oz will guide the MAC OS installer on the U disk to install the system. If you have all the drivers in your BIOS, you can install them successfully. If it gets stuck halfway, you need to open the EFI partition of the USB flash drive with the existing Apple system, and add the missing drivers, such as whatevergreen and Lilu. After the installation is completed, these drivers can also be added to the BIOS. In this way, if you install later, you can change any hard disk without restrictions, and you don't need to add any files to the EFI partition. Oz is not perfect. It is recommended to integrate the driver into BIOS and boot with oz after the clover is perfect. Clover first, oz later.

~~Something else happened these two days~~, so I didn't reply in time. I'm sorry.

Beitrag von „June“ vom 24. März 2020, 17:26

[kuckkuck](#) I think the 1st biggest problem for me is solve this "End RandomSeed" then reboot for Clover.

My mainboard and CPU are special, the DMG(within Clover) download from web, the default.plist and other important files are from built-in Clover. I have tried different MemoryFix modules, but no effect.... I can't modify the default.plist and SSDT/DSDT by myself, I'm not even sure what the real cause of the problem is...

XMAX-Extended, for Catalina revision.

Beitrag von „Raptortosh“ vom 24. März 2020, 17:55

If there's AptioMemoryFix in the Rom it doesn't work, but if there's no AptioMemoryFix in the Rom it'll work. Is this the abc/abc1 Rom?

Beitrag von „June“ vom 24. März 2020, 18:06

Is abc1, I should remove the built-in AF and put a new file in ESP. but where I put it ?

and how to set this :

[Zitat von theCurseOfHackintosh](#)

```
boot arg "-norelocate"
```

?

Beitrag von „Raptortosh“ vom 24. März 2020, 18:11

In ABC1 there is no AF because it is XMAX. Which AF do you want do have?

After loading the AF in the UEFIShell you have to go to the SSD with macOS and start Boot.efi with -norelocate.

Or use this Rom without any AF and load the AF from the SSD/USB/HDD.

With this Rom you can't boot because there is NO AptioFix inside and this is OZ XMAX-Extended. So load the AF with a UEFIShell

Beitrag von „June“ vom 24. März 2020, 18:14

Thanks a lot, I will test this rom tomorrow, cause it's 1:14 am for me

Beitrag von „kuckkuck“ vom 24. März 2020, 21:02

[Zitat von June](#)

solve this "End RandomSeed"

This does not appear to be an Ozmosis problem. Clean your EFI Partitions and delete Clover. Then we can start working.

Beitrag von „June“ vom 25. März 2020, 07:31

[kuckkuck](#) You mean If I format the ESP, then I can select and boot with "OS X installation" part directly?

I have tried this way, but the screen just show me a apple logo, then the mainboard will be reboot. I think this is the same as booting with Clover[they all reboot]...

Beitrag von „Raptortosh“ vom 25. März 2020, 07:36

You should delete the Clover Folders on the ESP. In your Rom there is only VirtualSMC but that should be enough.

I don't know if Ozmosis supports your CPU and your GPU because this is a Notebook GPU.

Edit: It should be supported.

Code

1. Intel Iris(TM) Pro Graphics 5200 DisableIntelInjection

Beitrag von „June“ vom 25. März 2020, 08:42

If not injected, it will run normally with a native environment? I delete the Clover folder, but the /EFI/boot/bootx64.efi looks like a part of Clover, and when I select booting from "Install Mac OS High Sierra" item, the screen just show me a apple logo, then it will be reboot

Beitrag von „Raptortosh“ vom 25. März 2020, 08:52

Try this Defaults. It could be a AptioFix Problem.

Beitrag von „June“ vom 25. März 2020, 08:56

How can I use it ? rename as a .raw file and replace into Default.fff?

Beitrag von „Raptortosh“ vom 25. März 2020, 08:56

No give in the ESP. EFI/OZ

Beitrag von „June“ vom 25. März 2020, 09:37

I have flashed the abc0TEST and use last default.plist, this time it wasn't reboot, but screen just leave me a apple logo then system halt[USB mouse and keyboard all offline, debug card show me AD→halt→B0] B0 maybe problem with memory

Beitrag von „Raptortosh“ vom 25. März 2020, 09:38

Did you load any AptioFix with the UEFIShell?

Beitrag von „June“ vom 25. März 2020, 09:53

I can't load efi files using efi shell, cause I don't know how to use efi shell, and my mainboard have no original built-in efi shell, the BIOS file was too tight to have enough free space insert efi shell

Beitrag von „Raptortosh“ vom 25. März 2020, 10:05

Here a UEFIShell the Folder EFI, inide the ZIP, you have to copy on a FAT USB stick and you can boot from it. Also do a AF on the stick to load.

Beitrag von „June“ vom 25. März 2020, 10:13

I don't understand what you mean: Is the UEFIShell on /EFI/boot/bootx64.efi ? Which is the ZIP ? Can you describe this process in more detail? I am noob...

Beitrag von „Raptortosh“ vom 25. März 2020, 10:23



Yes but I forgot the ZIP...

You start from this stick and you copy a AptioFix (OsxAptioFix2) on it. in the Shell you search this (FS0: and after that dir). When you found the AF you enter "bcfg Driver add 1 "Name of AF.efi" "AptioFix". Then Restart and boot MacOS.

Beitrag von „June“ vom 25. März 2020, 12:44

I don't know why the resolution like this:

```
UEFI Interactive Shell v2.1
EDK II
UEFI v2.31 (American Megatrends, 0x0004028E)
Mapping table
  FS0: Alias(s):HD18b0e0b:;BLK3:
-78a8-48a0-8c98-66ad0d62406c,0x28,0x64000)
  FS1: Alias(s):HD18b0e0c:;BLK4:
-fcaa-4a0a-ba83-6d046bc051b4,0x64028,0xa89038)
  BLK2: Alias(s):
    PciRoot(0x0)/Pci(0x1d,0x0)/USB(0x1,0x0)/USB(0x4,0x0)
  BLK0: Alias(s):
    PciRoot(0x0)/Pci(0x1,0x0)/Pci(0x0,0x0)/?
  BLK1: Alias(s):
765-01a46935531f,0x1000,0x1dcf2000)
Press ESC in 2 seconds to skip startup.nsh
Shell> ir
'ir
script file.
Shell> dir
```

I can't see all screen

Beitrag von „Raptortosh“ vom 25. März 2020, 12:46

Do you have a AptioFix on the Stick? Don't enter dir. Before "dir" you have to enter "FSx:" With that you can browse your Drives.

x =1 or 0

Beitrag von „June“ vom 25. März 2020, 12:56

I mean the screen not display next line of "Shell> dir"

Beitrag von „Raptortosh“ vom 25. März 2020, 12:57

Even if you enter something?
Replace the BOOTX64.efi with this.

Beitrag von „June“ vom 25. März 2020, 13:03

I think it not depend on any bootx64.efi, because of when I boot WinPE, the loading display will as seem as this[can not display full screen]

Ok, I am wrong....



Beitrag von „Raptortosh“ vom 25. März 2020, 13:06

I don't know try this because this is the OZM Shell.

Beitrag von „June“ vom 25. März 2020, 13:21

OK, I have tried AptioMemoryFix.R26.efi and AptioMemoryFix-64.efi, It doesn't work, I will try osxfix

Beitrag von „Raptortosh“ vom 25. März 2020, 13:24

OK I don't know if this board will work with macOS. Clover and OZM are not working. You can try FWRuntime Services instead of AptioFix.

Beitrag von „June“ vom 25. März 2020, 13:34

Ok , I will try it, but where can I download this FWRuntime Services.efi ?

I remember that FWRuntime Services only for OpenCore... Isn't it ?

EDIT I have tried the latest AptioMemoryFix and FWRuntimeService, they all can not boot my install program....