# XxX OS x86 10.4.11 Intel Installer Readme

This installer is based on the first XxX 10.4.10 relase. It includes all the drivers, fixes and PPFs plus the following new features:

-**Apple 10.4.11 combo update**; as optional choice, so you can still install 10.4.10 if you wish.

-**EFI patches** by Netkas & ToH. With this patches and the right hardware you will be able to run unmodifyed Apple's stock kernels and most of the original kexts. More info at Netkas.org. Also allow you to use GUID partitions (original intel mac's partition scheme).

-A few more drivers; G80 (nv8x00), NVInject, NVInjectGo, ALC880/850, Yukon 88E8053, etc.

Installer Screenshots:

| Package Name | Action | Size |
|---|---|---|
| ☐ EssentialSystemSoftware | Skip | 422KB |
| ▼☐ Apple Combo 10.4.11 Update | | 0 bytes |
| ☐ MacOSXUpdCombo10.4.11Intel.pkg | Skip | 0 bytes |
| ▼☐ PC EFI Bootloaders | | 740KB |
| ☐ efi_v5 | Skip | 60.0KB |
| ▶☐ efi_v6 | | 540KB |
| ☐ efi_v7.3 GUID | Skip | 60.0KB |
| ☐ efi_v8 GUID | Skip | 20.0KB |
| ☐ efi_v8 MBR | Skip | 60.0KB |
| ▼☐ Kernels and Kexts | | 52.5MB |
| ▼☐ 8.11.1 Intel SSE3/SSE2 kernel | | 4.0MB |
| ☐ 8.11.1.EFI kernel | Skip | 0 bytes |
| ☐ 8.11.1.no-EFI kernel | Skip | 4.0MB |
| ▼☐ 8.10.1 Intel SSE3 kernel | | 4.0MB |
| ☐ 8.10.1.kernel | Skip | 4.0MB |
| ☐ 8.10.1.System.kext | Skip | 0 bytes |
| ▼☐ no-EFI Systems kexts | | 721KB |
| ☐ IOATAFamily.kext.Paulicat | Skip | 0 bytes |
| ☐ AppleACPIPlatform.kext | Skip | 676KB |
| ☐ AppleAPIC.kext | Skip | 45.0KB |
| ☐ AppleSMBIOS.kext.Netkas | Skip | 0 bytes |
| ▼☐ 8.9.1 kernel Universal + patches. | | 5.0MB |
| ☐ 8.9.1.kernel.Universal.may02 | Skip | 4.0MB |
| ☐ 8.9.1.System.kext | Skip | 0 bytes |
| ☐ 10.4.5.Loginwindow.app | Skip | 998KB |
| ▼☐ RecommendedPatches | | 6.2MB |
| ☐ ApplePS2Controller.kext v2.0 | Skip | 1.4MB |
| ☐ DictionaryFix | Skip | 2.4MB |
| ☐ VerboseMode | Skip | 0 bytes |
| ☐ CPUPowerManagement.kext_Remover | Skip | 0 bytes |
| ☐ System.Profiler.Patch | Skip | 2.3MB |
| ▼☐ OptionalKernel/Patches | | 32.7MB |
| ▼☐ OptionalKernels | | 28.1MB |
| ☐ dsmos.kext | Skip | 52.0KB |
| ☐ 8.10.3.Hpet.kernel+system.kext | Skip | 4.0MB |
| ☐ 8.10.3.NoHpet.kernel+system.kext | Skip | 4.0MB |
| ☐ 8.9.1.kernel.Universal.jul08 | Skip | 4.0MB |
| ☐ 8.9.1.kernel.SSE3.jun25 | Skip | 4.0MB |
| ☐ 8.9.1.kernel.Universal.apr23 | Skip | 4.0MB |
| ☐ 8.9.1.kernel.SSE3.apr18 | Skip | 4.0MB |
| ☐ 8.9.1.kernel.SSE2.apr01 | Skip | 4.0MB |
| ▼☐ OptionalPatches | | 4.6MB |
| ☐ IOATAFamily.kext | Skip | 1.5MB |
| ☐ Paulicat AppleSMBIOS.kext | Skip | 207KB |
| ☐ 10.4.4.Loginwindow.app | Skip | 998KB |
| ☐ Adobe.CS3.Patch | Skip | 2.0MB |

| Package Name | Action | Size |
|---|---|---|
| ▼☐ ATA_USB controllers | | 12.8MB |
| ☐ ICH7-R | Skip | 100KB |
| ☐ ICH8-R | Skip | 772KB |
| ☐ ICH8 | Skip | 916KB |
| ☐ Jmicron | Skip | 756KB |
| ☐ VIA SATA/ATA | Skip | 688KB |
| ☐ ATI ATA | Skip | 168KB |
| ☐ ATI.ATA+IOATAFamily | Skip | 168KB |
| ☐ nForce SATA | Skip | 1.3MB |
| ☐ USB | Skip | 4.9MB |
| ☐ Generic.USB.EHCI.Controller | Skip | 3.0MB |
| ▼☐ GraphicDrivers | | 112MB |
| ▼☐ Intel.Integrated.Graphics | | 14.1MB |
| ☐ IntelGMA900 | Skip | 1.4MB |
| ☐ IntelGMA900_fixer | Skip | 12.7MB |
| ☐ IntelGMA950 | Skip | 0 bytes |
| ▼☐ nVidia.Support | | 44.0MB |
| ☐ Natit.Dual.v01 | Skip | 3.5MB |
| ☐ Natit.Dual.v02 | Skip | 70.0KB |
| ☐ Apple.10.4.9.NVidia.Kexts | Skip | 236KB |
| ☐ Titan.Driver | Skip | 140KB |
| ☐ nVidia mobility | Skip | 128KB |
| ☐ NVinject009 | Skip | 124KB |
| ☐ NVinject.0.1.3 | Skip | 124KB |
| ☐ NVinjectGo009 | Skip | 124KB |
| ☐ NVinjectGo.0.1.0 | Skip | 124KB |
| ▶☐ G80_Nvidia_8800 | | 39.4MB |
| ▼☐ ATI.Support | | 49.3MB |
| ☐ ATI.X1x00 | Skip | 21.5MB |
| ☐ ATI.X1x00.AGP.support | Skip | 1.8MB |
| ☐ Natit.X1300 | Skip | 128KB |
| ☐ Natit.X1600 | Skip | 128KB |
| ☐ Natit.X1800 | Skip | 128KB |
| ☐ ATI.X19x0 | Skip | 8.4MB |
| ☐ 10.4.5.ATINDRV | Skip | 1.5MB |
| ☐ 10.4.7.IONDRV.kext | Skip | 356KB |
| ☐ 10.4.8.OpenGL.Framework | Skip | 13.7MB |
| ▼☐ CallistoDriver | | 1.7MB |
| ☐ Callisto.b003 | Skip | 364KB |
| ☐ Callisto.b005 | Skip | 372KB |
| ☐ Callisto.b006 | Skip | 372KB |
| ☐ Callisto.b008 | Skip | 380KB |
| ☐ Callisto.Radeon.7000IGP | Skip | 269KB |
| ▼☐ AGPGart | | 5.0MB |
| ☐ AGPGart.v1.1 | Skip | 256KB |
| ☐ AGPGart.v1.2 | Skip | 1.7MB |

| Package Name | Action | Size |
|---|---|---|
| □ AGPGart.v2.2 | Skip | 1.1MB |
| □ AGPGartLite.Intel865chipset | Skip | 216KB |
| ▼□ AudioDrivers | | 13.5MB |
| ▼□ ALC.Audio.Drivers | | 4.6MB |
| □ ALC850 | Skip | 320KB |
| □ ALC880 | Skip | 250KB |
| □ ALC882.Audio | Skip | 1.0MB |
| □ ALC883.Audio.6.ports | Skip | 38.0KB |
| □ ALC883.Audio.6.ports.digital | Skip | 1.0MB |
| □ ALC888.Audio.6.ports | Skip | 1.0MB |
| □ ALC888.Audio.6.ports.digital | Skip | 1.0MB |
| ▼□ Sigmatel.Audio.Drivers | | 1.8MB |
| □ Sigmatel9200 | Skip | 320KB |
| □ Sigmatel9220/9752/9753 | Skip | 320KB |
| □ Sigmatel9223 | Skip | 1.2MB |
| □ mAudio.Omnistudio.USB | Skip | 308KB |
| □ ADI1980.AC97.Audio | Skip | 608KB |
| □ Ati.SB400.AC97.Audio | Skip | 616KB |
| □ Azalia.Audio | Skip | 308KB |
| □ ConextantHDA | Skip | 252KB |
| □ Soundblaster.USB.Support | Skip | 5.1MB |
| ▼□ NetworkDrivers | | 21.2MB |
| □ Intel.82562EZ.Networking | Skip | 2.6MB |
| □ Realtek8187.Driver+App | Skip | 208KB |
| □ RealtekR1000.Driver | Skip | 64.0KB |
| □ PCGeneric.Realtek8139.Ethernet | Skip | 1.0MB |
| □ AtherosAR5004G wireless Driver. | Skip | 3.5MB |
| ▶□ Ralink.USB.Wireless | | 3.4MB |
| □ 10.4.5.IO80211Family.kext | Skip | 3.0MB |
| □ 10.4.3.IONetworkingFamily.kext | Skip | 2.4MB |
| □ AppleIntel8255x.kext | Skip | 1.3MB |
| ▶□ Via.Rhine.Ethernet | | 192KB |
| □ Forcedeth.nForce4.ethernet.driver | Skip | 64.0KB |
| □ Marvell.Gigabit.Ethernet | Skip | 636KB |
| □ YUKON 88E8053 Ethernet | Skip | 2.7MB |
| ▼□ Miscellaneous | | 10.6MB |
| □ RadeonTool | Skip | 80.0KB |
| □ PowerManagement.bundle | Skip | 256KB |
| □ Insomnia.kext | Skip | 196KB |
| □ CharacterPalette.component | Skip | 828KB |
| □ Front Row | Skip | 520KB |
| □ Back Row | Skip | 520KB |
| □ IRKeyboardEmu | Skip | 8.3MB |
| □ QuickTime.Codecs | Skip | 0 bytes |
| □ HimmelBar | Skip | 0 bytes |
| □ QuartzSimple | Skip | 0 bytes |

The Installer is fully customizable. This can be a problem if you are not shure of what to install and what not. In that case the default selection would most probably get you going. Read the PDFs included before trying anything. They are the ones from 10.4.10 but applies here too.
Note: Back Row (appleTV) has been removed due some bugs.

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|---|---|---|
| EssentialSystemSoftware | Skip | 422KB |
| ▼☑ Apple Combo 10.4.11 Update | | 0 bytes |
| ☑ MacOSXUpdCombo10.4.11Intel.pkg | Upgrade | 0 bytes |
| ▶☐ PC EFI Bootloaders | | 740KB |
| ▼☐ Kernels and Kexts | | 10.9MB |
| ▶☐ 8.11.1 Intel SSE3/SSE2 kernel | | 4.0MB |
| ▼☑ 8.10.1 Intel SSE3 kernel | | 4.0MB |
| ☑ 8.10.1.kernel | Install | 4.0MB |
| ☑ 8.10.1.System.kext | Install | 0 bytes |
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| ▶☐ 8.9.1 kernel Universal + patches. | | 5.0MB |
| ▼☑ RecommendedPatches | | 6.2MB |
| ☑ ApplePS2Controller.kext v2.0 | Install | 1.4MB |
| ☑ DictionaryFix | Upgrade | 2.4MB |
| ☑ VerboseMode | Upgrade | 0 bytes |
| ☑ CPUPowerManagement.kext_Re... | Upgrade | 0 bytes |
| ☑ System.Profiler.Patch | Upgrade | 2.3MB |
| ▶☐ OptionalKernel/Patches | | 32.7MB |
| ▶☐ ATA_USB controllers | | 12.8MB |
| ▶☐ GraphicDrivers | | 112MB |
| ▶☐ AudioDrivers | | 13.5MB |

Thats how the installer's menu looks with the default options. Theres **no EFI patches** selected, and the **8.10.1 kernel** would be installed together with the needed kexts, and patches. You might have to add audio, sound and network drivers to this default selection.

The 8.10.1 works very well since is compiled from source. Notice that the System.kext must be installed along.

This screenshot shows a customization for using a EFI patch. As you see we dont need to use any extra kexts (as long as your hardware is supported by apple's stock kexts). In this case I left ApplePS2Controller.kext selected to have keyboard support, since apple kexts wont recognice a PS2 keys. Same for audio, graphic cards, etc.

You **only** can use Apple's stock kernels with a **Core 2 Duo CPU** and a mobo with **intel chipset** supporting HPET, NX/XD enabled, etc. In that case you dont need to select any kernel. Otherways you must choose a EFI compatible kernel to use (**only 8.10.1 or 8.11.1 are EFI compatibles**).

Also notice that the EFI patch selected is for MBR partitions, and so must be the partition you choose for the installation.

**There could be problems trying to install the EFI patch in systems with 512mb ram or less** due the way the installer handles postflight scripts.

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| ☑ DictionaryFix | Upgrade | 2.4MB |
| ☑ VerboseMode | Upgrade | 0 bytes |
| ☑ CPUPowerManagement.kext_Remover | Upgrade | 0 bytes |
| ☑ System.Profiler.Patch | Upgrade | 2.3MB |
| ▶☐ OptionalKernel/Patches | | 32.7MB |

Other thing that EFI patches brings is support for graphics 'out of the box' so to speak. You wont need Natit, NVInject to get your GFX to work. Right now theres a few cards supported , but I guess more would be added in the future. This is made by inserting a string unique for your card in the 'boot,plist' file. Again, more details at Netkas.org (theres even a EFI forum there).

**Note about 8.11.1 by ToH**: This kernel gave me kernel panic unless I boot with '-legacy' flag. You might need to enter this too. So make shure you select 'VerboseMode' in the 'RecommendedPatches' menu. This will show you if theres anything wrong and also would add 20 sec countdown for you to add any flags before booting. Just hit a key; you will see the darwing boot menu. Type -legacy and hit enter. This flag can be added to the 'boot.plist' file so you dont have to type it in every boot.

About MBR/GUID.
Oviously you must decide what kind of partition scheme do you want, use Diskutility/partition options to format your disk, and then choose the EFI patch accordly. Do not fuck it up here!

Good luck.