

# OpenCore Bootloader aktuelle und ältere Versionen

Beitrag von „Noir0SX“ vom 2. März 2020, 18:20

## v0.5.6

- Various improvements to builtin text renderer
- Fixed locating DMG recovery in APTIO IV firmwares on FAT32
- Fixed loading DMG recovery in APTIO IV firmwares on FAT32
- Removed AvoidHighAlloc quirk due to removed I/O over 4GB
- Moved ConsoleMode, Resolution options to Output section
- Moved console-related UEFI quirks to Output section
- Replaced ConsoleControl and BuiltinTextRenderer with TextRenderer
- Removed ConsoleBehaviourOs and ConsoleBehaviourUi
- Fixed providing ConsoleOutHandle GOP when running from Shell
- Added PickerAttributes option to colour picker
- Added ProtectSecureBoot option through FwRuntimeServices
- Replaced RequireVault and RequireSignature with Vault
- Added BootKicker tool to support launching Apple BootPicker
- Added BootPicker support as an external UI in OC through PickerMode
- Added DirectGopRendering option to use direct GOP output
- Multiple memory corruption and performance fixes for PNG support
- Fixed DefaultBackgroundColor variable handling
- Added HideAuxiliary and Auxiliary options
- Fixed picker timeout and log timestamps for VMware
- Fixed NULL parent DeviceHandle for launched tools
- Added bundled HiiDatabase driver for very old firmwares
- Added SSE2 support in memory intrinsics for better performance
- Improved ACPI PM timer CPU frequency calculation performance
- Improved LapicKernelPanic compatibility with newer macOS versions
- Fixed drivers starting with # not being skipped
- Added audio support through AudioDxe with optional boot chime
- Added VoiceOver accessibility support in boot.efi for 10.13+
- Added PickerAudioAssist option for audio assistance in picker
- Added HdaCodecDump.efi tool in default package
- Added legacy AudioDxe and Microsoft namespaces to Reset NVRAM
- Merged OcSupportPkg with OpenCorePkg for easier bisection
- Disabled warnings in release versions of NVMe and XHCI drivers