

# Kernel: Microsoft-Controlled File Systems and AMD's Lack of Linux Support

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- [Linux's exFAT Driver Looking To Still Be Replaced By A Newer Driver From Samsung](#) [2]

Introduced with Linux 5.4 was a long-awaited Microsoft exFAT file-system driver albeit within the kernel's staging area and based upon some dated Samsung file-system driver code. That exFAT staging driver was improved upon more with Linux 5.5 but ultimately there is a concurrent effort for replacing it with a driver derived from newer Samsung open-source code and to be merged outside of staging.

- [Controlling AMD Wraith Prism RGB Heatsinks On Linux Is Easy Now With CM-RGB](#) [3]

With the Wraith Prism heatsink fan included with many modern AMD Ryzen processors there is configurable RGB lighting, which unfortunately AMD hadn't publicly documented or offered a Linux utility for manipulating the RGBs under Linux. Fortunately, there is now a straight-forward solution for dealing with those Wraith Prism RGB LEDs thanks to the open-source and independent CM-RGB project.

Just like AMD doesn't offer any CPU overclocking client from the Linux desktop, they don't offer any RGB control software for Linux. But CM-RGB is a Python-written independent utility that is command-line based and allows easily controlling the heatsink's lighting under Linux. The program allows setting the lighting mode, color based upon hex code, brightness, and other factors.

**Links:**

[1] <http://www.tuxmachines.org/taxonomy/term/63>

[2] [https://www.phoronix.com/scan.php?page=news\\_item&px=exFAT-Newer-Option-v8](https://www.phoronix.com/scan.php?page=news_item&px=exFAT-Newer-Option-v8)

[3] [https://www.phoronix.com/scan.php?page=news\\_item&px=Wraith-Prism-CM-RGB-Linux](https://www.phoronix.com/scan.php?page=news_item&px=Wraith-Prism-CM-RGB-Linux)