

# Apple's Non-Standards and Linux

By *Roy Schestowitz*

Created 16/02/2020 - 11:42am

Submitted by Roy Schestowitz on Sunday 16th of February 2020 11:42:13 AM Filed under [Linux](#) [1] [Hardware](#) [2]



## [Linux 5.7 To See USB Fast Charge Support For Apple iOS Devices](#) [3]

The Linux 5.7 kernel that will be out in the late spring / early summer is poised to see support for USB fast charging support for Apple iOS devices.

Currently if charging an Apple iPhone / iPad from a USB port by default it will not draw more than 500mA per specifications. However, iOS devices can draw more power when communicated to do so via Apple's protocol. With Linux 5.7 a new "apple-mfi-fastcharge" driver will allow this capability of up to 2500mA.

The apple-mfi-fastcharge driver will allow setting the power supply property via sysfs to "fast" and in turn lets the iOS device draw more power from the USB port, similar to the behavior of MFi certified chargers.



## [Apple Firmware Update For Magic Keyboards Decides To Change The Fn Key](#) [4]

Linux has supported the Apple Magic Keyboards since 2018 handling the Bluetooth connectivity and also needing some special handling for the numeric keypad. While that normally would be the end of the story, recent firmware updates to the Apple Magic Keyboard have caused problems.

Newer Apple firmware updates to the Magic Keyboards have caused the function (Fn) keys to be reported differently. So on current Linux kernels when running on an Apple keyboard with

updated firmware, the Fn key may not behave correctly.

[Linux Hardware](#)

---

**Source URL:** <http://www.tuxmachines.org/node/134128>

**Links:**

- [1] <http://www.tuxmachines.org/taxonomy/term/63>
- [2] <http://www.tuxmachines.org/taxonomy/term/39>
- [3] [https://www.phoronix.com/scan.php?page=news\\_item&px=Linux-5.7-Apple-MFI-Fast-Charge](https://www.phoronix.com/scan.php?page=news_item&px=Linux-5.7-Apple-MFI-Fast-Charge)
- [4] [https://www.phoronix.com/scan.php?page=news\\_item&px=Apple-Magic-Firmware-Fn-Change](https://www.phoronix.com/scan.php?page=news_item&px=Apple-Magic-Firmware-Fn-Change)