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r/MacOS • 2 yr. ago

BruceHornsbySongs



4K/120Hz possible through USB-C?

Discussion

<https://www.cablematters.com/pc-1368-122-48gbps-usb-c-adapter-supporting-8k-video.aspx>

This site claims you can with their adapter. I recently picked up the LG C2 48" TV but was bummed to learn my max refresh rate was capped at 4K/60Hz over HDMI. Specs say the Mac Studio M1 Max 2022 is only HDMI 2.0 but their USB-C to HDMI adapter will solve this shortfall.

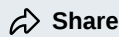
Their name 'Cable Matters' seems sus. I don't know if a cable can overcome this. Can it? As it is, 4k/60 on such a big landscape is pretty unusable. I think some period of adjustment is needed but it's making me queasy and I have to move the cursor/Finder around very slowly.



6



16



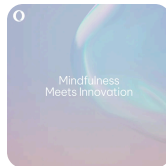
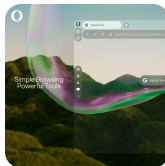
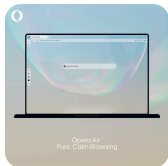
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Because you are going from thunderbolt 4 to hdmi 2.1, its a higher bandwidth connection vs hdmi 2.0. Cable matters is a very legit company, bought plenty of their items before. Just make sure you buy an hdmi 2.1 cable if you are using that dongle (or just buy a thunderbolt to hdmi 2.1 cable without needing a dongle)



6



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aykay55 • 2y ago

^ and make sure the display can support HDMI 2.1 connection speeds



4



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Hayabusa_88 • 4mo ago

yeah and what brand do you recommend?

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wanjuggler • 2y ago

For the 120 Hz support on Mac, you will probably need their custom firmware... which needs to be flashed using a Windows PC. See the last question in the FAQ on their page.

<https://www.cablematters.com/Blog/HDMI/how-to-get-4k120hz-with-mac>

It's not a lightweight process. But it works.

(This hack is necessary for virtually all USB-C to HDMI 2.1 cables, not just those from CableMatters.)

<https://forums.macrumors.com/threads/dp-usb-c-thunderbolt-3-4-to-hdmi-2-1-4k-120hz-rgb4-4-4-10b-hdr-with-apple-silicon-m1-m2-now-possible.2381664/>

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yepsy1 • 10mo ago

Thank you for the info. How confident are you that it will work on "virtually all USB-C to HDMI 2.1 cables"? I'm asking as in my region, many of the cables and docks discussed are not available. I'd like to try it on a locally available cable before importing something.

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the_Ex_Lurker • 2y ago

You can also flash the firmware through Parallels, even on an M-series Mac. You just need to use The [Microsoft Store version of VmmHIDTool](#) rather than the binary supplied by Cable Matters.

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⊕ [deleted] • 2y ago



crazy1902 • 6mo ago

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Buy this: <https://www.amazon.com/dp/B08MSWMXT4>

Go download the firmware update here: <https://kb.cablematters.com/index.php?View=entry&EntryID=147>

Please make sure to download the firmware as well as the DOTNET x64 installer to make the firmware update tool work. **DO NOT** install the arm64 dotnet installer.

You need a windows computer with a USB-C port **WITH DP ALT** functionality**. **

If you do not have the required Windows PC you can use your Mac with UTM virtualization software. It is FREE. Install Windows 11 ARM64 version on it. Once you launch the Windows install on UTM, there is a USB icon on top menu to pass through your USB-C to HDMI adapter (VMM7100).

Proceed with the firmware update. VOILA! 4K 120 hz and HDR!

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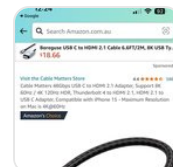
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4K @ 120Hz through USB-C to HDMI adapter possible on MAC?

19 upvotes · 37 comments



r/MacOS • 1 mo. ago

How to Get 120Hz @ 4K on an M1 or newer – A Reliable Solution After Countless Failures

43 upvotes · 26 comments



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4K 120hz with a 2080ti.

2 upvotes · 9 comments

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2 comments



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so I went from 1080 to 4k display....

51 upvotes · 52 comments



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Will a 43" 4k tv be a horrible experience as a display for a MacBook?

20 upvotes · 35 comments



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MacOS on 4k 27' display

16 upvotes · 31 comments



r/MacOS • 10 mo. ago

How does it feel owning both a 60hz studio display and 120hz MacBook Pro?

2 upvotes · 17 comments



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4K Monitor or higher mainly for macOS

18 upvotes · 34 comments



r/MacOS • 1 mo. ago

MacOS and 4K monitor

4 upvotes · 7 comments



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External 27" monitor for MacBook Pro 16": 4k or necessarily 5k?

4 upvotes · 57 comments



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Can't get above 30 HZ when I connect my MacBook Air to my TV. Is there a hidden setting or something I can check?

26 upvotes · 29 comments



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Potential USB-C hub option too good to be true? Looking for one with 1440p 144Hz HDMI 2.0 support

2 upvotes · 11 comments



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15.3.1 Killed my monitor connection, how can I fix

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Buying 1440p / WQHD monitor. Scaling issues?

4 upvotes · 19 comments



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Tecsun PL-880 / PL880 USB-C charging issues

2 upvotes · 10 comments



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How does the text look much better on a 1440p monitor with mac mini using betterdisplay app than on windows native.

21 upvotes · 18 comments



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J-Tech 4K HDMI over Cat6 - Unhappy - other options?

1 upvote · 6 comments



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What charger will make moto g stylus 5G 2023 charge at 20W?

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Weird issue with external monitor since updating to Sequoia 15.3

6 upvotes · 21 comments



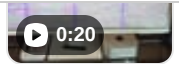
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Reliable usb c to hdmi for RM 7 Pro?

1 upvote · 5 comments



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178 upvotes · 97 comments



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Portable charger recommendations - desire usb-c charging and usb-c output

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Seeking Opinions on 27" 1440p Monitors for Mac

7 upvotes · 44 comments

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