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frishness

Is VRR the same as freesync?

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Three weeks ago I bought a new [monitor](#).

The monitor supports freesync premium. Sadly, in the Radeon settings app, the freesync option is available in the individual game settings, but not in the global display settings category. The only option I got there is the VRR option.

Why is this the case?

Is this the same as freesync?

P.S. I have an RX570 GPU.



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8



12



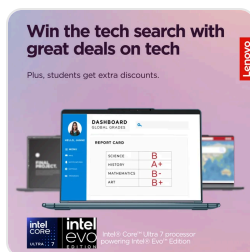
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GuessWhat_InTheButt • 4y ago • Edited 4y ago •

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Different VRR formats

Unfortunately, there isn't just one format of Variable Refresh Rate. VRR began life in the PC gaming domain, where two graphics card manufacturers - AMD and Nvidia - are locked in an eternal battle for supremacy, and each one has its own VRR format: AMD's is called FreeSync and Nvidia's is G-Sync.

If you're a PC user, the VRR format you can use will depend on which of the two companies manufactured your graphics card.

It's widely believed that a TV needs to support either FreeSync or G-Sync in order to support VRR from game consoles, but this isn't actually the case. That's because there's a little talked about third VRR format, called HDMI Forum VRR, or even just HDMI VRR.

This VRR format is part of the HDMI 2.1 spec and is starting to appear on a fair few TVs, even some that officially have only HDMI 2.0 sockets. It's also worth noting that a TV that supports HDMI 2.1 won't definitely support HDMI VRR, although it is likely.

↑ 5 ↓ ...

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looncraz • 4y ago •

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FreeSync and Vesa VRR are the same because AMD made the standard...

⊖ ↑ 11 ↓ ...



drtekrox • 4y ago • Edited 4y ago •

Not on HDMI though.

FreeSync over HDMI is different to HDMI VRR.

AMD does not support HDMI VRR on Windows (yet), only the proprietary FreeSync over HDMI.

On Linux the situation is reversed, HDMI VRR is supported by the FOSS driver stack but the proprietary FreeSync over HDMI^{edit: typo} is not (and won't be)

FreeSync(/VESA VRR) over DP works just fine on both.

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frishness **OP** • 4y ago •

Kk, thanks!

↑ 1 ↓ ...

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Have you connected it through HDMI?

From my observation it is called FreeSync in the driver when you have a DisplayPort device and VRR when you have a HDMI device. Shouldn't make a difference functionally.

↑ 3 ↓ ...

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<https://www.ign.com/articles/dell-27-curved-gaming-monitor-s2721hgf-review>

⊖ ↑ -2 ↓ ...



Prefix-NA • 4y ago •

Overpriced shitty monitor.

↑ 0 ↓ ...



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4 upvotes · 11 comments



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Enable AMD FreeSync while VRR is enabled on Series X?

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r/Amd • 27 days ago

Dear 7900xtx, I'm so sorry.

391 upvotes · 155 comments



r/Amd • 10 mo. ago

V-Sync With VRR (FreeSync) - Questions on How to Use Them Properly

6 upvotes · 7 comments



r/OLED • 5 yr. ago

VRR Vs Freesync what's the difference?

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40 upvotes · 37 comments



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