Home Assistant OS options

home-assistant

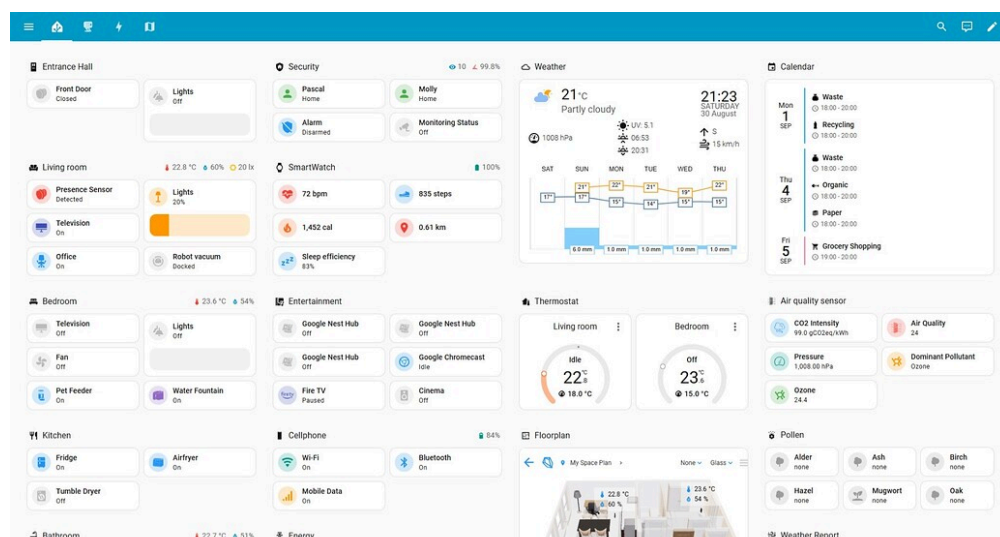**neojudgment** 1 August 30, 2025, 8:15pm

Hi,

I just discovered Zircon 3D today. I'm using Home Assistant OS. I notice that we can save the Light/Dark and Temperature options, but not hide the Grid or enable Auto-rotate by default. I might be mistaken!

So, every time I load or refresh my dashboard, I have to reselect the options. This might be helpful!

Otherwise, great work! Keep it up!

Thanks,
Pascal

Capture d'écran_30-8-2025_212334_p…   **1788×1077 233 KB**

1 Like

Chris_Li 2 August 31, 2025, 2:13am

Hi Pascal, thank you for reporting this issue. It looks like a bug, and our team will investigate. Hopefully, we can reproduce the problem and work on a fix.

In the meantime, we're also working on a new feature called **"View Profile"**, which provides a more reliable way to specify view settings for use inside a Home Assistant web page card. This feature will be released within the next month—please stay tuned!

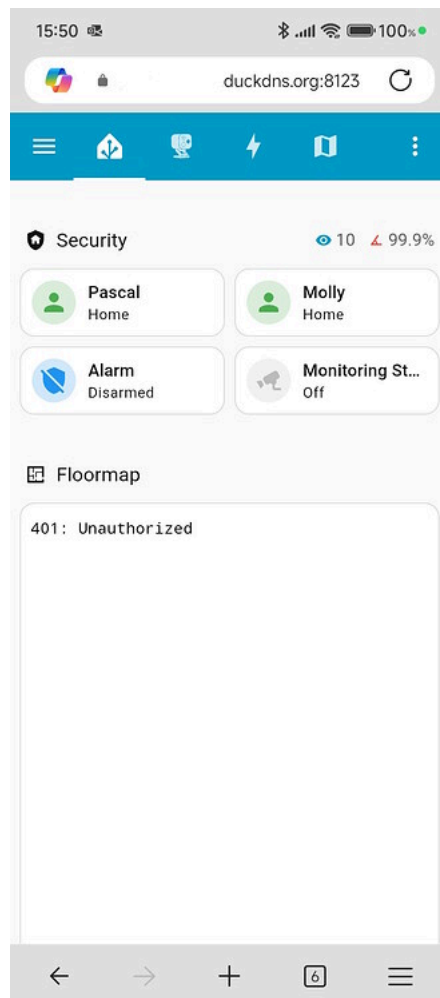**neojudgment** 3 August 31, 2025, 2:11pm

Hi Chris,

Thanks for your reply.

Here's the URL copied from Zircon3d:

> **https://xxxxxx.duckdns.org:8123/api/hassio_ingress/ezmRNIkn8w_aYyT5sPfIn_OjQG9mcnYe4S NslxrAuDg/offline/viewer/?group=dOstiErDNT4q&project=yzFJlQpLUnRI#viz&htm-tpc=n|dsp&fs=1.60&fd=tc&wc=1.00&wd=t&od=tc&thm=light|cam&p=0.39,2.53,0.00&h=91.00& v=46.00&z=400.00&f=30.00**

As you can see, there are no references to Grid or auto-rotate in the URL.

I just noticed that there was a '401: Unauthorized' access problem in my smartphone's browser and also in Home Assistant Companion.

I cleared the browser cache, but that didn't change anything!

Any ideas?

Thanks,
Pascal

Chris 4 August 31, 2025, 7:08pm

Ah, this part can be a bit tricky—there are several places where things could go wrong, such as activation of HA ingress or the reverse proxy etc. After the holiday (Canadian Labour Day), we'll prepare instructions to help with debugging and possible workarounds.

Tami_Liu 5 August 31, 2025, 11:55pm

Hi,

This is a known issue, the dashboard requires an active login session with the Zircon3D add-on.

Here are quick workarounds:
1. Open Zircon3D from the left sidebar first, then switch back to your dashboard, it should work after being authorized.
2. Or, open Zircon3D dashboard directly via the local port 11200:
http://homeassistant.local:11200/
(or replace homeassistant.local with your HA IP), then set and copy that viewer link and set it in your Zircon3D dashboard tile.

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neojudgment 6 September 2, 2025, 5:03pm

Hi guys,

@Tami_Liu
It's not easy to use it like that. And impossible to use in Home Assistant Companion!

@Chris_Li and others
I just ran a test. I compared the URL of your demo site and mine. And here's the difference:

Your URL:

> /viewer/?
> group=ZA7SAvKGkJE6&project=***********#dsb&id=DD0iEDIphAsx|pln&scp=T9EUPHFPrPi5|v
> iz&htm-
> tpc=n|dsp&fs=3.30&fd=tc&wc=1.00&wd=t&od=tc&thm=light|cam&p=-6.72,11.68,0.00&h=38.50&v
> =26.50&z=560.00&f=30.00

My URL:

> /viewer/?group=dOstiErDNT4q&project=***********#viz&htm-
> tpc=n|dsp&fs=1.60&fd=tc&wc=1.00&wd=t&od=tc&thm=light|cam&p=0.62,2.61,0.00&h=142.30&v=
> 34.00&z=320.00&f=30.00

As you can see, my URL is missing:

> pln&scp=T9EUPHFPrPi5|viz&htm-tpc=n

So, I can now hide the grid but not enable auto-rotate.

Also, sometimes the control doesn't refresh, so I don't see the temperature/humidity overlay.

There you go, guys! Is that enough for today?

Good day,
Pascal

Chris 7 September 3, 2025, 12:04am

Hi Pascal,

Thanks for the information—you really have the spirit of a hacker!

URL / hash issue: This is a bug. We'll fix it and also release a new feature called "view-profile" that will cover more use cases and be more reliable.

Heatmap not showing: This is likely a regression introduced in our last release. We'll take extra care to test this for the next update.

A couple of side notes:

The auto-rotate feature keeps the GPU busy, essentially turning the app into a game (infinite looping stead of event based / on demand rendering). That means your device will run hotter and the battery will drain

faster.

We've actually developed our own companion app, but it still needs more testing and polishing before we can confidently release it.

This is still a new project, and there's much more to come—please stay tuned!

Thanks again for your report and your interest, your support helps making the project stronger. Have a great day!

Chris

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neojudgment 8 September 3, 2025, 7:39am

Hi guys,

I'm not a hacker, I'm just someone who works in IT in Belgium. After all these years, it makes perfect sense to me! The logic!

Have a nice day!
Pascal

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neojudgment 9 September 3, 2025, 8:45am

Hi,

@Chris

> The auto-rotate feature keeps the GPU busy, essentially turning the app into a game (infinite looping stead of event based / on demand rendering). That means your device will run hotter and the battery will drain faster.

I'm using a Lenovo ThinkCentre M720Q i5-9400T (Tiny) with 16GB of memory and Home Assistant OS. There aren't any memory issues or anything like that. I used to do development and realized that users should be able to choose the options based on their hardware.

Do you understand what I mean?

Best regards,
Pascal

Chris 10 September 3, 2025, 3:20pm

The extra GPU load happens only on the client side (browsers or mobile devices), not on the server side, so it doesn't add any load to your HA server. About a year ago we made a major optimization to our 3D UI: it now uses only 80–300MB of RAM in Chrome, compared to nearly 2GB before. Considering all the 3D visualizations and real-time data, I'd say the UI is now quite efficient.

Your ThinkCentre M720Q (i5-9400T, 16GB) is more than capable of running HA together with the Zircon3D proxy add-on. For reference, our backend runs smoothly even on a Raspberry Pi 4 with 4GB of RAM, without noticeable performance issues. BTW, a used M720Q offers ten times the value of a Pi— that's a very wise choice, congratulations 😃

In the next release (hopefully within a month), we're adding a new feature that allows users to replay heatmap history. This does add some extra load on the server side, but since our baseline target is still the Pi 4, your machine is well beyond what's required.

There's also the option to run our backend in a Docker container. We're developing a new backend based on Rust and PostgreSQL (compared to the HA add-on, which is Node.js + SQLite). This is designed for more serious deployments and will deliver very different performance characteristics.

Happy automating, and stay tuned!

Chris

1 Like

neojudgment 11 September 12, 2025, 12:04am

Hi Chris,

> Your ThinkCentre M720Q (i5-9400T, 16GB) is more than capable of running HA together with the Zircon3D proxy add-on. For reference, our backend runs smoothly even on a Raspberry Pi 4 with 4GB of RAM, without noticeable performance issues. BTW, a used M720Q offers ten times the value of a Pi —that's a very wise choice, congratulations 😃

I got this ThinkCentre from work and installed 16MB of memory. However, I wanted to install Proxmox to install other VMs alongside HAOS, but 16MB is too short. I think 32MB would be more than adequate. (the maximum for an M720Q.)

I hope you find a solution to view Zircon3D plan from an external IP address. (ie: **haos.example.com**)

I'm staying tuned!

Good day,
Pascal