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New issue

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[ISSUE] ROG ALLY RAINBOW RGB #1153

Open **Bladen123** opened this issue on May 19 · 64 comments

Labels

asus-ally

I installed BazziteOS used that for some hours to test my games , after that i reinstalled windows 11 and armory crate every thing seems to work normal beside the RGB Rainbow , the RGB works as solid color or whatever i want also the aura sync works and the modes too. Only that doesnt work is the standard Rainbow RGB if i choos that the rgb is off like no light.

What did you expect to happen?

Normaly isnt first time i used bazziteOS , last time was kind similar but instad rgb are like OFF was red light only until i reinstalled windows and armory crate after that my rgb worked normal as should even the rainbow color. so i expected to work after fresh windows install , but this time it doesnt i feel like something happend with the latest bazzite OS updates.

Output of `rpm-ostree status`

No response

Hardware

ROG ALLY Z1 Extreme

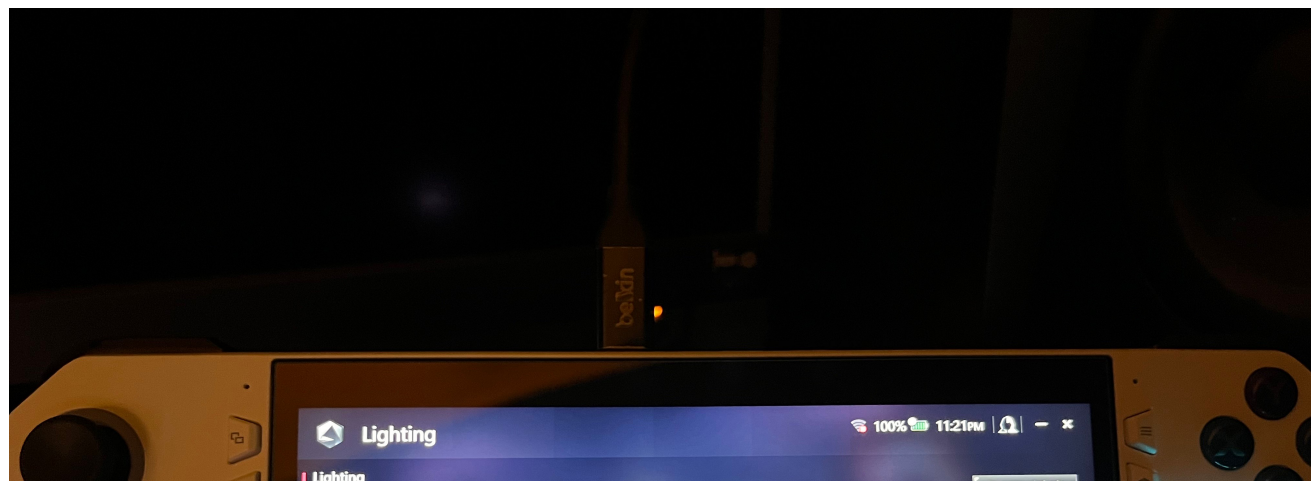
Extra information or context

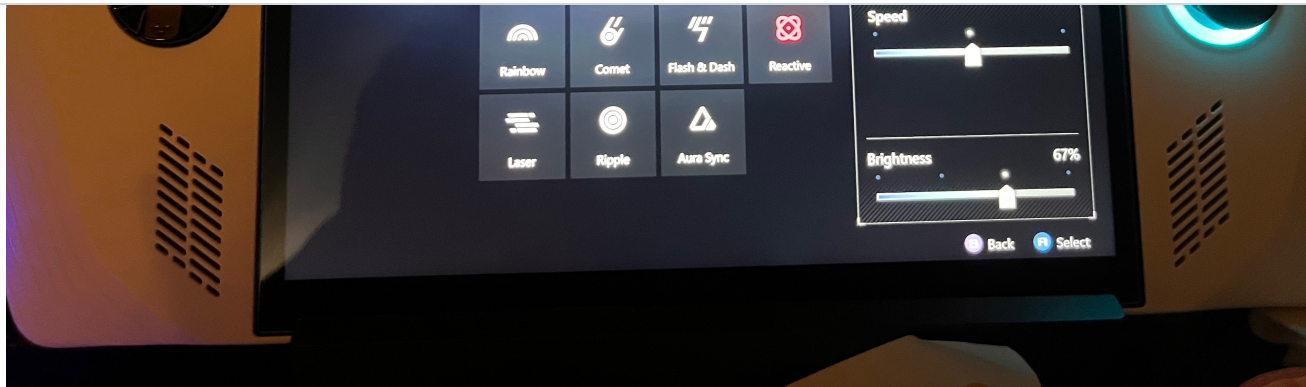
No response

antonyho commented on May 20

Having the same situation.

And there are occurrences that the right stick has RGB light on, and the left stick has light off when a mode has something wrong. There are some new modes on the Armoury Crate now. They all don't work.





mrwhistles commented on May 21 • edited ▾

This happened to me as well. At this point the "rainbow" option didn't work at all except through aura sync. This is what I did:

In windows/Armory Crate I turned off all LEDs for all situations.

I rebooted into bazzite and rolled back to a previous release (bazzite-rollback-helper rebase 40-20240427) Booted windows, turned LEDs back on and now everything is back to normal and I can enable the "rainbow" visual.

Not 100% sure which parts of that are essential but that did get me back to normal working RGB visuals.

antheas commented on Jun 26

Contributor

Im adding Rainbow support to hhd and noticed it was broken, care to expand?

antheas commented on Jun 26

Contributor

kernel 6.8.4 steamdeck-died fixes

Jan200101 • 2 months ago

kernel 6.8.4 asus-linux upgrade

Jan200101 • 2 months ago

kernel 6.8.4


Jan200101 • 2 months ago

kernel 6.8.2

KyleGospo commented on Jul 8

Member

Closed for no response

🕒  KyleGospo closed this as not planned on Jul 8

antheas commented on Jul 8

Contributor

It's a major bug, reopen

 KyleGospo reopened this on Jul 8

KyleGospo commented on Jul 21

Member

It's a major bug, reopen

Commenting here due to most discussion being in discord. I believe the current status is we've fixed this and are looking for a way to restore existing broken RGB, is that correct?

antheas commented on Jul 21

Contributor

Yes, only Allys that used an image in May are affected. We have found and fixed the bug that we suspected and most of our current testers have working rainbow RGB in Bazzite (called spiral in Handheld Daemon).

Next Handheld Daemon version adds a more indepth initialization which may help with fixing the affected devices as well, but we have not verified this yet.

We are looking for additional testers though so reach out, especially if you are affected.

antheas commented on Jul 21

Contributor

I also maintain an image here which is based on the 0427 image that is known to fix the issue and is not close to expiring <https://github.com/hhd-dev/bazzite-dc>

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Tried rebasing to this image, the spiral rgb worked in bazzite but windows rainbow led still is broke. I then tried disabling led support on hhd and reinstall windows through cloud recovery but this does not fix the rainbow led in windows.



1

Evilexium commented on Jul 22 • edited ▼

I also maintain an image here which is based on the 0427 image that is known to fix the issue and is not close to expiring <https://github.com/hhd-dev/bazzite-dc>

I tryed this too , Now suddenly NO LIGHTS at all not even the RGB settings in HHD theyr gone at all , and worst of all my controller suddenly doesnt work outside of bazzite , for example in BIOS my controller doesnt work after this update, IT makes me crazy that its get worser and worser one day i can throw this ally to trash



1

Kylorenzzz commented on Jul 22

I also maintain an image here which is based on the 0427 image that is known to fix the issue and is not close to expiring <https://github.com/hhd-dev/bazzite-dc>

Tried this and does not work. Bazzite broke my rainbow rgb too. And it's such bad timing as I am receiving my Ally X in a few days yet I am stuck as I could not re-sell my device due to the broken rgb lights. Pls help!!!



1

Evilexium commented on Jul 22

Yes, only Allys that used an image in May are affected. We have found and fixed the bug that we suspected and most of our current testers have working rainbow RGB in Bazzite (called spiral in Handheld Daemon).

Next Handheld Daemon version adds a more indepth initialization which may help with fixing the affected devices as well, but we have not verified this yet.

39-20240406 and that fixed the rgb , now even that doesnt fix it and my controller isnt recognized by bios anymore since i rebased to this <https://github.com/hhd-dev/bazzite-dc>

antheas commented on Jul 22

Contributor

Yes, there is a missing initialization command in the current version.

If you guys can run the following command:

```
curl https://raw.githubusercontent.com/hhd-dev/hhd/master/local_hhd.sh | sh
```



If the old image fixed this this will as well.

antheas commented on Jul 22

Contributor

In any case, I am working with an ally right now and I should have a solution to this today.

antheas commented on Jul 22

Contributor

I pushed a version that fixes the RGB initialization bug that got introduced in the Ally X version.

<https://github.com/hhd-dev/hhd/releases/tag/v3.2.2>

antheas commented on Jul 22

Contributor

bazzite-dc is updated with the new Handheld Daemon version that does the proper init. Hopefully it helps.

We also tried booting into one of the bazzite images that had the issue and the rainbow mode worked there and then worked in windows as well.



Evilexium commented on Jul 22 • edited ▼

Will give a Try and will post soon here back. Thank you Antheas for all this extreme efforts u invest into this also i have a question , on my 4TB i use cachyOS everything works there , never had problems with

this one just to know curiosity :)

```
curl https://raw.githubusercontent.com/hhd-dev/hhd/master/local\_hhd.sh | sh
```

antheas commented on Jul 22 • edited ▾

Contributor

That command installs the new version until you reboot, which you're going to get eventually on CachyOS.

I do not think CachyOS was affected by the bug (yet)

Yqw175 commented on Jul 23

```
curl https://raw.githubusercontent.com/hhd-dev/hhd/master/local\_hhd.sh | sh  
rpm-ostree rebase ostree-unverified-registry:ghcr.io/hhd-dev/bazzite-dc:stable
```

The above two tests did not fix the rainbow

antheas commented on Jul 23

Contributor

We have had at least 4 people with working spiral mode still show that it is working in the current version. Including one verifying it in windows.

Therefore, the issue does not happen in current images and the question becomes how reset current devices.

Searching online there does not seem to be a way to reset the MCU, so we need to look into how to do that.

The legion go, for example, has at least 2 ways to reset its controllers.



castrojo added the `asus-ally` label on Jul 23

antheas commented on Jul 23 • edited ▾

Contributor

Is it fair to assume all of you guys are both on the latest bios (339) and controller firmware (V317)?

SuperGirl ink commented on Jul 23 • edited ▾

but did have Nobara 40 and I was trying to follow the instructions to install Nvidia drivers and asusctl and supergfxctl per the Asus-linux.org page. Noticed the went dark at some point, reboot to Windows (on an external drive) and found I still didn't have the rainbow setting come on. all the other modes work fine.

I am also on the latest bios and current firmware

KyleGospo commented on Jul 23

Member

if it helps, I have encountered a similar issue with the RGB/Spiral setting, I did not have Bazzite installed, but did have Nobara 40 and I was trying to follow the instructions to install Nvidia drivers and asusctl and supergfxctl per the Asus-linux.org page. Noticed the went dark at some point, reboot to Windows (on an external drive) and found I still didn't have the rainbow setting come on. all the other modes work fine.

I am also on the latest bios and current firmware

That tracks, we've suspected this is software that we don't write causing this.

Very much appreciate the info, hopefully we find a solution to fix devices already affected by this soon.

SuperSirLink commented on Jul 23

I will also note that I am running the latest version of HHD when installing from:
curl -L <https://github.com/hhd-dev/hhd/raw/master/install.sh> | bash

Evilexium commented on Jul 23

Is it fair to assume all of you guys are both on the latest bios (339) and controller firmware (V317)?

Yes i am , still didnt worked all the attempts i got here to try

Evilexium commented on Jul 23

if it helps, I have encountered a similar issue with the RGB/Spiral setting, I did not have Bazzite installed, but did have Nobara 40 and I was trying to follow the instructions to install Nvidia drivers and asusctl and supergfxctl per the Asus-linux.org page. Noticed the went dark at some point, reboot to Windows (on an external drive) and found I still didn't have the rainbow setting come on. all the other modes work fine.

I am also on the latest bios and current firmware

13 hidden items

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Mia-Sophia commented 2 weeks ago

What are the steps to test? I can also try tonight.
installed Fedora Kinoite 40 iso
then `rpm-ostree rebase ostree-unverified-registry:ghcr.io/ublue-os/bazzite-ally:39-20240406`
and when it came up like the guide said the led was red and i returned to windows
and it worked





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ElvisChen1986 commented 2 weeks ago

`rpm-ostree rebase ostree-unverified-registry:ghcr.io/ublue-os/bazzite-ally:39-20240406` solved the
issue in my rog ally.
`40-20240427` does not work



1

×  ublue-os deleted a comment from Evilexium 2 weeks ago×  ublue-os deleted a comment from antheas 2 weeks ago

SuperSirLink commented 2 weeks ago

hmm, unless I did something wrong or my root issue is something else, this didn't work for me

antheas commented 2 weeks ago

Contributor

Mind the fact this is a general Linux issue and not particular to Bazzite.

This means that the only image known to not cause it right now is bazzite-deck

SuperSirLink commented 2 weeks ago

I booted back into Windows, opened AC, and switched the leds back to rainbow. But they are still black.

My trigger that broke it was also different. I followed the instructions on ASUS-Linux.org for Fedora workstation. I was trying to install the Nvidia drivers and asusctl / supgfxctl when I lost RGB.

antheas commented 2 weeks ago

Contributor

Guess what the Ally image and the steps you followed have in common :)

Do your LEDs not work at all? If yes, I have a command you can run to fix them.

SuperSirLink commented 2 weeks ago

What? :). Not sure if it matters, but I was running Nobara40 when I ran the commands.

Yeah, all the other modes work in Bazzite and in Windows, only the Spiral/Rainbow is not working in either.

antheas commented 2 weeks ago

Contributor

asus-linux stuff

I had a command in case your LEDs did not work at all. We are still trying to figure out what caused the rainbow mode one.

In any case, seems like it is related to the 6 version of asus-linux and asusctl software family. And that running 5.0.10 fixes it. That software seems to be auto-enabling itself when you boot into the ally image. If not, forcing it open might help.

Between 6.0.0 and 5.0.10 there are too many changes for me to be able to pinpoint what caused the issue without a device. With a device, I would be able to sniff the packets. That will happen later this month.

Or sooner, if one of you wants to volunteer.

SuperSirLink commented last week

sounds like in theory, if I install that on this temp drive I put 39 back on, the reboot back to windows/non ally based image of Bazzite, I should be good?

antheas commented last week • edited ▾

Contributor

Yes, rebooting straight into windows or bazzite should work. Rebooting somewhere else inbetween no guarantees.

how would I install that version?

Bazzite-ally 39 has this version. If you want to test in another distro you would have to repackage it by finding the package file and then install it...

SuperSirLink commented last week • edited ▾

Okay and if my "normal" Bazzite 40 install was done after the ally image was pulled, that should be good too?

rpm-ostree status will let me verify which I am running?

I am trying again to rebase from Fedora 40 to Bazzite 39, the LEDs came on red this time as it is booting and completing the install. Did not see that before.

antheas commented last week • edited ▾

Contributor

Okay and if my "normal" Bazzite 40 install was done after the ally image was pulled, that should be good too?

The deck image never had this problem. It does not matter how/when/where you installed, as long as you are in the deck image you will not have this issue.

This includes being in the Ally image before.

SuperSirLink commented last week • edited ▾

Wohoo! Worked on my second attempt! I have Rainbow/Spiral back. Thanks!

Guessing when you use that version it must do something to the RGB controller on the logic board. I had destroyed that Nobara install that had Asusctl installed.



1

This was referenced 2 days ago

Ally RBG, Rainbow. #1542

Closed

REBASE ROLLBACK TO 39 #1348

Closed

helloman37 commented 18 hours ago • edited ▼

I fixed mine finally. I installed fedora, rebase to bazzite. Rebased with "rpm-ostree rebase ostree-unverified-registry:ghcr.io/ublue-os/bazzite-ally:39-20240406 " from within fedora. As soon as I noticed it fixed all my RGB I used my acronis image backup of windows and removed the distro, now only have windows 11 on it. All RGB still work.

Rebase did not work with only bazzite need fedora as well.

So the solution is correct. Dont really need two SSD tbh. I may make a mod version iso of the very steps I stated. I'll think about it, if I decide and bazzite approves I will send the link to the iso. It would be a good project on my end. However, we will see. If it works the way I intend it to, I will debloat the image to only fix the RGB. Make sure the lights on the rog ally are red. If so, success.

I will not however give my acronis backup of my windows. It has to do with the logic board. So, with that said. Have a good night.

KyleGospo commented 18 hours ago • edited ▼

Member

We notified the asusctl developers of the problem and they're working on a fix now as well. Should have commands and a way to resolve this without rebasing soon. Also means other distros shipping this software will have a solution for the same problem.

antheas commented 13 hours ago

Contributor

I'm preparing a cross platform executable that should be able to fix this, if the asusctl developer's suspicion of the cause is correct

It will be available in a few hours and you will be able to run it on Linux and Windows

helloman37 commented 11 hours ago • edited ▼

I'm preparing a cross platform executable that should be able to fix this, if the asusctl developer's

It will be available in a few hours and you will be able to turn it on Linux and Windows

If a solution is not found, I still will push my modded version. I can almost guarantee it's within the many modifications that was made to the source code of fedora that toys with the RGB lighting. Revert back to that image that had been discussed, build from there. The other shady part is the options within fedora that is modified is options to prevent users from doing as they wish. Such as rebase. Why lock it down so much. It looks rather shady to me. This up on toying with certain things causes freelancers such as the collaborative members to loose all credidation.

Not being crude, it is just the truth. Such things that destroy something such as what people work hard for to buy causes a modded distro to loose all credit and respect. So, my advice instead of waiting months on end when the problem is being told to you, is to fix it.

Again, just basing the true hard facts. And if this new script fails such as the previous I will push my own fix. Y'all keep toying with hardware instead of just software, you will get so much more individuals who are rightfully angry. I already see some on YouTube denying these distros. Since it's the RGB it is hardware that is being messed with. That can cause serious malfunction if it continues.

antheas commented 11 hours ago • edited ▼

Contributor

Hi,

First of you are right. Waiting for months for a fix is not acceptable. We have put multiple guidelines in place to make sure this does not happen again. This included PURGING the whole software suite that caused it when running on the Ally.

This bug has not been a problem on Bazzite since June, when we deprecated the -ally image for running on the Ally. There are thousands of Ally and Ally X owners with perfectly running RGB currently. This thread is still open for existing Ally owners that were affected.

All Ally X owners on Bazzite have working Rainbow RGB, including in Bazzite, where it is called Spiral.

The images with the offending software are still left for the Asus laptop owners that may want to use them. If we get further pushback, we may choose to retire the images completely.

I can almost guarantee it's within the many modifications that was made to the source code of fedora that toys with the RGB lighting.

You are right. We have found and purged the source of the issue. As part of our diagnosing, we also went in and removed RGB code that runs on the Ally and is part of fedora.

We now believe we have isolated the issue and are ready to push a fix for existing units.

Revert back to that image that had been discussed, build from there.

antheas commented 10 hours ago

Contributor

The initial version of the fix can be found below.

<https://github.com/hhd-dev/ally-fix>

It has not been verified to work.

Later today the readme will be updated explaining the source of the issue and the fix, and once verified to work, the fix will be packaged for Windows.

helloman37 commented 7 hours ago • edited ▼

Hi,

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We now believe we have isolated the issue and are ready to push a fix for existing units.

Revert back to that image that had been discussed, build from there.

The only reason that image fixes the leds is that it is running a doubly broken version of the software that broke them fixes them. As you understand, this is in no way an acceptable solution.

May not be acceptable solution but it works. I will not test your code due to it not being verified by you and your colleagues (collaborators) to work. Why not test before releasing. That too can cause a issue by

though we don't pay you to use your distro.

We run the code something else could break. Like the hdd fix above another user tried, something else messed up. It shows it is rushed, slow down and go about it right. I am only giving you constructive criticism.

In an effort to fight for everyone who had their devices messed up due to a failed response in installing, and booting. A failed response that was thankfully not seriously damaging to our 400 to 800\$ devices.

antheas commented 7 hours ago • edited ▼

Contributor

Has to be uploaded somewhere before it's tested

Hope that makes sense, we do not live in the same house after all

The command in the fixer has been tested and is known not to cause any issues. What's being tested is the packaging itself working and whether it fixes the issue

Let me share your sentiment though. Due to courier whoes I won't have access to an ally for the next week or so. So you can either wait for one of our contributors to help or help with fixing the issue.

If you do want to help, please open an issue on the fix issue tracker, as this thread is long enough and too many people are notified at this point.

EDIT: And yes, since you edited your comment, I do treat you as my consumers. Which is why I spent over a month diagnosing an issue I did not cause and providing the fix for it.

EDIT2: The initialization stuff that Evinaxium talked about I think he was a bit overdramatic. The initialization missing just made the RGB not work on boot. It never caused any permanent issue. And perhaps Handheld Daemon did not open correctly on his device (referencing the RGB settings missing).

helloman37 commented 6 hours ago • edited ▼

Has to be uploaded somewhere before it's tested

Hope that makes sense, we do not live in the same house after all

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over a month diagnosing an issue I did not cause and providing the fix for it.

Very good. Now we are getting somewhere. Just know in a business world things go bad for investors, developers etc.... when things like this happen.

In turn, if it were me I would host the code on my site not open till proven fixed. Just my own way of thinking. But I am also trying to protect you as well by making you seriously aware of this as you already are. The situations with this, by any distro is serious. That's why Linux is open source. Which is why your distros should be as well. Refer to YouTube link below.

However, as a consumer there is a demand. And why rebase is nulled out is beyond me.

This is a lot that needs to be resolved.

https://youtu.be/AQBSA69MWAg?si=_mg48eF2UI1y40iR

^^^^^ What he speaks on is serious. ^^^^^

Yes I edited again, nice isn't it?

Yes, I could test the code. There is a major BUT! If it breaks my system are you going to ship a brand new handheld Rog Ally x? To replace what is broken by running your code?

Business is give, and take.

antheas commented 6 hours ago

Contributor

Hi, let us move the discussion on the ally-fix issue tracker. You can rant there as much as you want, and people are free to go there with their popcorn 🍿. You may even edit your previous comment to point to the issue as well, to make it easier for them to find.

However if you post another comment here you will be muted.

That being said yes, I will take you up on your offer. If this breaks your Ally ill send you my Ally X unit.

KyleGospo commented 6 hours ago • edited ▼


Member


To be 100% clear, this bug is:

1. In software we don't write that is shipped by default in other distros, and is no longer included in Bazzite in any capacity.
2. Not damaging to hardware and reversible.
3. In the progress of being fixed in the software at fault

5. Can be recovered from now by running an older bazzite build or an older version of that software.

There is little more we can do here. Even getting to the point of being able to point the finger at another project took time and debugging to find. I ask that you adhere to our code of conduct at all times in this issue tracker.

×  ublue-os deleted a comment from **helloman37** 5 hours ago

×  ublue-os deleted a comment from **helloman37** 5 hours ago

Assignees

No one assigned

Labels

asus-ally

Projects

None yet

Milestone

No milestone

Development

No branches or pull requests

15 participants

