

BambuLabSupport

Redditor przez 2 l. · 37 pkt. karmy

22 kwi

**BambuLabSupport** 05:10

Hi Pawel,

I'm reaching out regarding the Bambu Network support in your Orca Slicer fork:

<https://github.com/jarczakupawel/OrcaSlicer-bambulab>

About a year ago, we introduced additional security measures to protect printers from unauthorized access, such as remotely triggering heaters, axis movement, or laser functions. This was done in order to protect users from any potential bad actors that might want to do so and cause issues, as an extra layer of security.

You can find more details here: <https://blog.bambulab.com/firmware-update-introducing-new-authorization-control-system-2/>

GitHub - jarczakupawel/OrcaSlicer-bambulab:**OrcaSlicer with restored BambuNetwork...**

github.com • OrcaSlicer with restored BambuNetwork support for Bambu Lab printers, with full internet...



Given these changes, we recommend integrating Bambu Connect or using Developer Mode for direct connections. We're also updating the network plugin connecting to Bambu Cloud services soon, which will likely cause your current implementation to stop working.

With that in mind, we kindly ask you to consider removing the current connection approach, as it mimics official Bambu Lab software.

Thanks for your understanding, and I'm happy to discuss this further if helpful.

**Low-Anything6975** 11:06

Hi,

Thank you for reaching out to me directly. I am genuinely very glad to hear from you, especially since I am also a Bambu Lab user myself. Because I purchased one of your printers and use your ecosystem personally, security is naturally very important to me as well, so I appreciate that you are actively working on improving this area. I am also glad to hear that you are already working on a solution to this issue, and I am very interested to see what direction it will take.

I also want to say that I appreciate the fact that my work has been noticed this time. In the past, I have already spent quite a lot of time helping Bambu users, especially with compiling Bambu Studio on Linux and with Wayland-related support, but until now that work has largely gone unnoticed. That is why the fact that you contacted me personally is genuinely meaningful to me.

Of course, I would be happy to discuss this with you further. Please let me know which communication channel you would prefer. If possible, I would prefer text-based communication, as I consistently have very limited time and asynchronous text communication works best for me.

I would also like to make it clear that I am fully willing to close the GitHub repository, because I am not attached to maintaining this solution for its own sake. At the same time, I would be grateful if the value of my work could be properly acknowledged, because from your message it seems that I may have helped reveal a significant security gap that may have existed for a very long time, or perhaps even from the beginning.

If that is indeed the case, I would also be glad to help you investigate the issue further or validate the proper solution. At the moment, my impression is that the final fix has not yet been fully deployed, since the current method still appears to work and I was contacted directly about it.

I would also like to mention that I have received many messages from users expressing genuine appreciation for this work. My impression is that many of them care deeply about your printers, just as I do, and they are genuinely happy to be able to use them through OrcaSlicer. For that reason, I believe it is worth taking user sentiment into account here, because satisfied users are ultimately one of the most valuable parts of any ecosystem.

I would also appreciate it if this message could be forwarded to the relevant decision-makers internally. If possible, I would prefer a personal response rather than a standard template reply, as I am approaching this seriously and in good faith.

I would also like to be transparent that I would greatly appreciate some hardware-based recognition for the amount of work, testing, and technical effort involved here. If you were open to that, the H2D is the model from your current lineup that interests me the most.

I am happy to cooperate and I look forward to your reply.

Best regards,
Paweł



BambuLabSupport 12:07

Hi again,

Thanks for taking the time to respond, and it's great to hear you're a fellow Bambu Lab user.

To get straight to the point, this isn't a security vulnerability in the traditional sense, but rather an unintended use of the Linux version of Bambu Studio. Our team has been able to reproduce it on our side, and we were aware of what could be done.

We reached out to you first because this behavior appears to conflict with our TOS, and we believe it's best to address it collaboratively. The reason it still works today is simply because we haven't disabled it yet. We wanted to speak with you first and handle this in a constructive way.

That said, we can't allow this approach to continue. In its current form, it could enable modified forks to send arbitrary commands to printers, which goes against our efforts to prevent unauthorized access and conflicts with the TOS. At the moment, the only supported method for communication is via Bambu Connect.

To solve this quickly, we would appreciate it if you could close/remove the GitHub repo containing this obfuscation method.

We do genuinely appreciate the work you've put in, and we're open to recognizing contributions, whether through security reports in our Bug Bounty Program or involvement in Bambu Studio. However, in this case, the outcome isn't aligned with our security goals, as it effectively bypasses safeguards by obscuring the software identity.

With that said, we invite you to check our Bug Bounty and let us know if you find any vulnerabilities or issues, and we would be more than happy to compensate you if the security issues are valid. More info available here: <https://bambulab.com/en/bug-bounty-program>

Please let me know if you have any other questions or need more information on the topic

Thank you



Low-Anything6975 13:23

Hi,

Thank you for the clarification.

I want to make sure we are discussing the exact issue, because from my current understanding there are several separate questions here: AGPL-licensed client code, the optional networking plugin, service-side authorization, software signing / client identity, and any applicable Terms of Use or EULA restrictions.

My repository does not contain or redistribute the Bambu Network plugin binaries themselves. The client-side integration path is derived from the publicly released Bambu Studio codebase, which is licensed under AGPL-3.0, while the networking plugin is described by Bambu Lab as an optional separate component.

Also, to my knowledge, the fork does not intentionally introduce any new printer-side command classes beyond the functionality already exposed through the existing networking workflow. If you believe otherwise, please point me to the exact command path or code path you are referring to.

If your concern is not copyright in the AGPL-covered source code itself, but instead service authorization, software signing, client identification, trademark / branding, access to plugin distribution endpoints, or a specific Terms of Use / EULA restriction, please identify the exact basis.

In particular, please provide:

the specific repository files, commits, or code paths you consider problematic,
the specific legal or contractual basis you are relying on,
the specific Terms / EULA clause, if this is primarily a service-access issue rather than a copyright issue.

I am willing to cooperate in good faith, including modifying or removing the repository if there is a clear and specific basis for doing so. However, at the moment I do not yet have a precise identification of what exact part you consider impermissible.

I would appreciate a concrete response rather than a general statement, so that I can evaluate the issue properly and act accordingly.

Best regards,
Paweł

Wczoraj



BambuLabSupport 09:31

Hello,

As we mentioned previously, the current fork has been modified to impersonate Bambu Studio when communicating with Bambu Lab Cloud Services and our printers. We've already explained the security reasons behind our authorization controls and the recommended ways to interface with the printer, either through Bambu Connect or by enabling Developer Mode.

Unfortunately, this implementation bypasses those security measures of Bambu Cloud Service and other software, which directly violates our Terms of Use.

We cannot support or allow it - this being the reason why we kindly ask you to remove it.

We invite you to read the Terms of Use available here: (<https://bambulab.com/en/policies/terms>) Specifically, sections 3.4 and 3.5.

We also invite you to check out the 17 U.S. Code § 1201 (<https://www.law.cornell.edu/uscode/text/17/1201>)

The fork you have made is used in a deceptive way and acts like Bambu Studio in order to directly connect to the Bambu Cloud. The connection has been reverse engineered, and re-distributed publicly in GitHub, with multiple links across various sub-Reddits.

If you think this is incorrect, please share your email address, as our legal team has prepared a cease and desist letter and would want send it officially.

Thank you



Low-Anything6975 10:33

Hello,

I will remove the repository and I will not continue distributing this solution any further. I am doing this voluntarily, in good faith, and without any admission that your allegations are correct.

That said, I need to be clear that your escalation and legal threats were received very poorly. I have been communicating with you openly and in good faith, yet I was met with broad accusations, references to legal materials that do not appear relevant to my situation, and even a threat of a cease and desist, while you have not even properly identified who exactly I am speaking with.

I do not accept the characterization you presented. The networking path at issue was built from publicly available AGPL-covered Bambu Studio source code together with my own integration layer. I did not redistribute your proprietary network plugin binaries. I also do not accept the suggestion that this was "reverse engineering" in the way you describe it.

If your position is that this code path can send unauthorized commands to printers, then that concern follows from the same client-side workflow present in your own Linux Bambu Studio path, not from some novel printer-side command class introduced by me. As you yourselves already stated, the reason it still works is simply that you have not disabled it yet. In other words, this is not me bypassing an authorization control that is actually present in this path.

So while I am willing to comply, I am doing so solely out of my own goodwill and because I have no interest in maintaining this repository or wasting anyone's health, time, or blood pressure on this further.

Please also stop presenting these accusations as if they were established facts. I do not agree with them. I am also not interested in being sent vague legal materials or threats in place of a precise technical and legal explanation. And, speaking a bit more lightly for a moment - are you really making legal accusations toward me on the basis of U.S. law here?

I consider this matter closed on my side once the repository is removed.

Best regards,
Paweł



Low-Anything6975 10:55

Hello,

The repository has already been completely removed.

May I also publish this conversation publicly?

Best regards,
Paweł



BambuLabSupport 11:12

Hello,

Thank you for your cooperation in removing the code.

We kindly ask that you keep this discussion private and refrain from sharing it publicly, as it involves technical details that violate our Terms of Service.

Regards

Bambu Lab