Nitehawk toolboard “NO ID” Issue Temporary Action

Phenomenon:

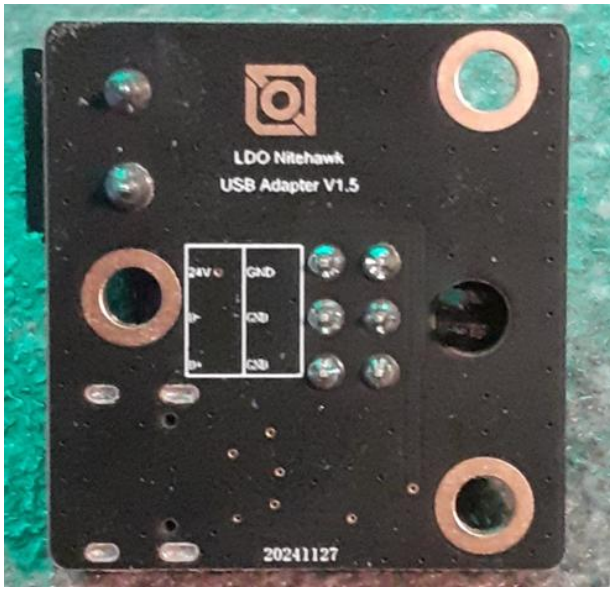
We have recently received some reports from users experiencing an issue where the device ID cannot be found when using the Nitehawk 36 boards. Scanning for ID usually results in the following “No such file or directory” error:

```
login as: pi
pi@192.168.178.194's password:
Linux VoronTrident 6.1.21-v8+ #1642 SMP PREEMPT Mon Apr  3 17:24:16 BST 2023 aar
ch64

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Thu Jul  3 05:46:24 2025 from 192.168.178.54
pi@VoronTrident:~ $ ls /dev/serial/by-id
ls: cannot access '/dev/serial/by-id': No such file or directory
pi@VoronTrident:~ $ ls /dev/serial/by-id
ls: cannot access '/dev/serial/by-id': No such file or directory
pi@VoronTrident:~ $
```

This problem may affect the V1.4.2 version of the Nitehawk 36 boards as well as some Nitehawk SB boards when paired with the **V1.5 USB adapter** shown below.



Researching:

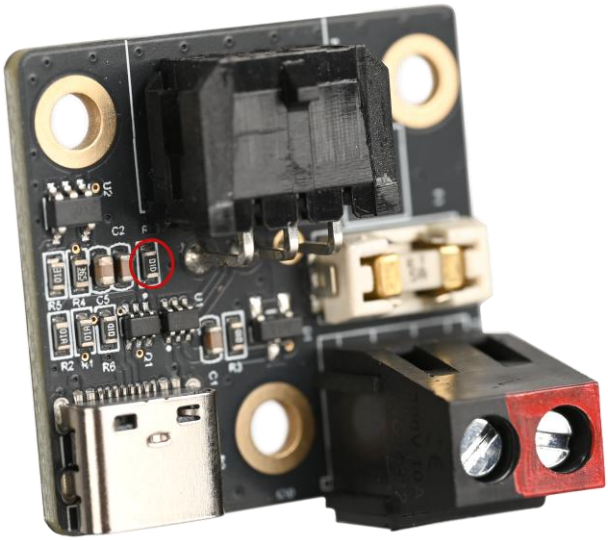
Following our internal investigation, we have identified that removing the R7 resistor from the USB adapter board can resolve the issue. If you encounter the same issue, we recommend trying to remove the resistor yourself. Should the board become damaged during the process, LDO will still be responsible for providing a replacement. Please contact your reseller for assistance

How to Remove the R7 Resistor

Step 1: Set the soldering iron to 360°C and apply solder to the tip.

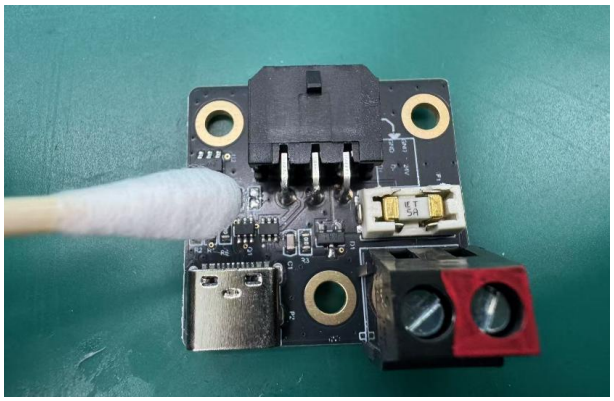
Step 2:

Refer to the image below for the location of the R7 resistor.
Apply solder to both ends of the R7 resistor to get it removed (See demonstration video).
Important: Please take extra care not to create solder bridges between the adjacent U1 and Q1 chips during this process.



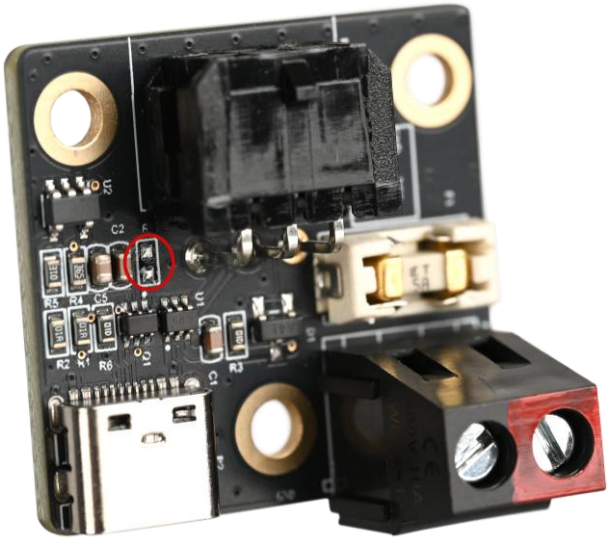
Step 3:

After removing the resistor, clean any remaining flux on the board using a suitable PCB cleaning agent.



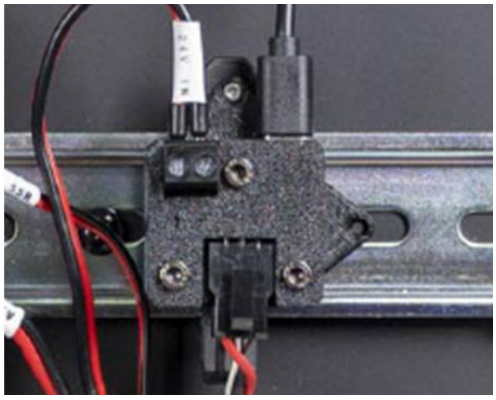
Step 4:

Visually inspect the soldering area to ensure there are no solder bridges or cold joints on nearby components.
A reference image of the USB adapter with the R7 resistor removed is provided below.



Step 5:

Reinstall the USB adapter board making sure to make the proper connections for voltage in as well as the USB-C and the 6 pin Molex connector.



Step 6:

Power up the printer then ssh into it and run the following command ***ls -l /dev/serial/by-id/***
If succesfull you should get the ID of your Nitehawk.

```
Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Wed Jun 18 18:53:25 2025 from fe80::52ee:493:7e9a:2148%eth0
jbori@SC24:~ $ ls /dev/serial/by-id/
usb-Klipper_rp2040_313631313201655C-if00
usb-Klipper_rp2040_3136313132017991-if00
usb-Klipper_rp2040_3136313132020779-if00
usb-Klipper_rp2040_313631313202681C-if00
usb-Klipper_rp2040_313631313203BB6F-if00
usb-Klipper_rp2040_4E363334320F1099-if00
jbori@SC24:~ $
```

** Please don’t bridge the legs of closed parts of R7. If you are not confident about doing this, please wait a few weeks, and we are shipping the reworked ones to resellers. We are very sorry about this and will do everything to reduce the trouble of your hobby.

Date: 7/7/2025
By LDO Team