## Keil-Bug workaround (needed for almost all boards except H101/H8S or H8mini\_green )

As this question is being asked from time to time in H8 mini thread, I'll write a short answer here:

- 1. Install (if not already) STLink Utilities
- 2. Connect (if not already) STLink to USB port
- 3. Connect Quad to STLink
- 4. Power the quad using a battery
- 5. Click on "target"->"connect", some blue writing should be displayed. If not, check Wires, check if the board is powered, are STLink drivers installed correctly?
- 6. Click on "target"->"disconnect"
- 7. Open Keil
- 8. Unplug & plug quad's battery
- 9. Click "flash"->"erase" (if flashed for the first time, otherwise continue step 10)
- 10. Click "flash"->"download"
- 11. Finished

## Here is how krillex does it:

https://www.rcgroups.com/forums/showpost.php?p=38868191&postcount=12547

Regarding flashing the blue board for the first time I also have some problems but this is what I do:

- 1. Connect usb-programmer and battery to fc.
- 2. Run the "st-link upgrade tool" and update firmware (even if it's already updated). Close the upgrade software.
- 3. Erase memory from within Keil.
- 4. Disconnect usb-programmer from PC and battery from fc.
- 5. Reconnect programmer to PC and battery to fc.
- 6. Run the "upgrade tool" again. Close upgrade tool.
- 7. Download software from within Keil.

Any flashings after that, just use download in Keil (use "upgrade tool" first).

It's the first time with a new blue board that is problematic.

I'm sure there are other ways to get it working but that procedure works good for me.

## \*\*Another version from lan444:

https://www.rcgroups.com/forums/showpost.php?p=38869818&postcount=12554\*\*

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Yet another recipe. Must be carried out in this order. Keil can be open, but minimised on the PC.

1. Open the ST-Link Utility program. \\

2. Connect ST-Link to USB port. Do not connect ST-Link to quad yet. \\

3. Click "connect" in ST-Link Utility program. \\

4. You get a "cannot connect" in red message. \\

5. Close the message and close the ST-Link Utility program. Now the ST-Link is "initialised". \\

6. Open (or maximise) Keil, connect the quad, connect the quad's battery and flash it. \\

Note for first erase and flash - usually it is needed to disconnect and then reconnect the battery after the erase and before the flash. No need to disconnect the quad or the ST-Link (or do anything in Keil) when doing this. \\
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From:

http://sirdomsen.diskstation.me/dokuwiki/ - Silverware Wiki

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