How to solve the PA-3 three lights on and reprogram

Prerequisites

Hardware: PA-3 receiver, debugging cable, USB to RS232 converter, USB driver, USB to typeC adapter, regulated power supply and PC

Software: **Secure-CRT tool, PA_3_SN_PN_Product Tool, MFG tool & Udisk partition file**

https://chcnavigation.jianguoyun.com/p/DRLxXh4Qtq_UCxjS9JMFIAA

Steps

1. Please connect to PA-3 with one side of the debugging cable, the second connector of debugging cable connects to regulated power supply and the third connector connects to USB converter then to desktop, see the picture,

2. Run the Secure-CRT software and connect with the correct port PC identifies, turn on the power then quickly click **exit** continuously until the message as the following picture pops up.

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3. Type the commands below then click Enter,

    sf probe
    sf erase 0 10000

4. Connect USB cable between PA-3 receiver to PC,

5. Open the MfgTool, then restart the PA-3 to get it identified by MfgTool, then click **Start**, finally wait several minutes until it gets done.

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6. Disconnect USB cable from PA-3 and PC both, then insert USB drive with Udisk partition file**(Unzip then copy it to root directory of empty USB drive)** to PA-3 with adapter cable, then restart the PA-3 to wait around 5 minutes until three lights are all on again, this issue will be solved.
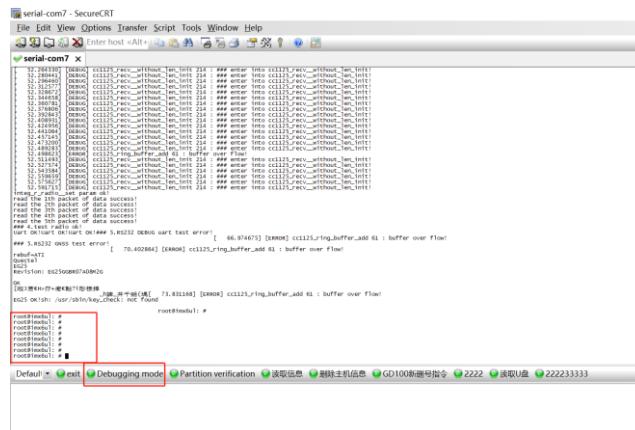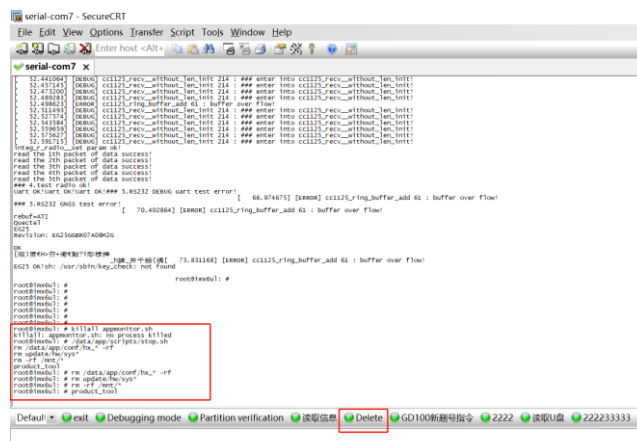
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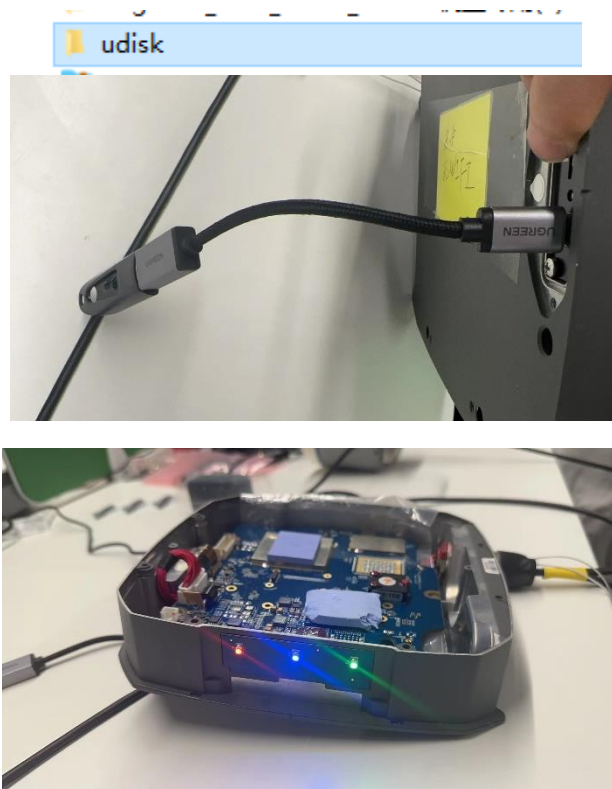
7. Restart PA-3 and reprogram SN and PN. Click **exit** continuously until the message as the following picture pops up.
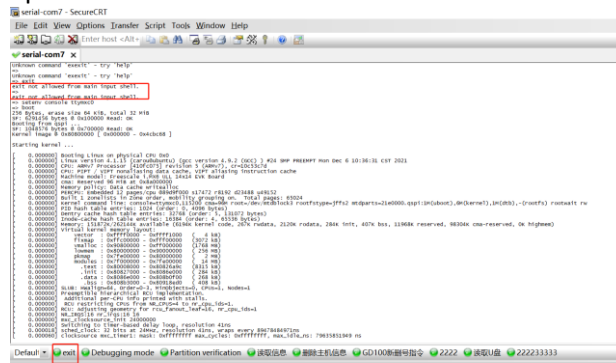
8. Click **Debugging mode** once, then wait until the message pops up as the following first picture.

9. Click **Delete** to delete the previous programming information then exit the software.

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10. Disconnect with SecureCRT then run the PA_3_SN_PN_Product Tool, open the port firstly, then select NX500 as mode type, the correct one as PN, the correct one as mainboard number and the correct one as SN, finally click the Configure to download button to finish programming.

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