EBB36 V1.1 ,EBB42 V1.1
SKU:
1020000370 BIGTREETECH EBB 36 CAN V1.1(G0B1)
1020000371 BIGTREETECH EBB36 CAN V1.1（without 31865）
1020000374 成品，BIGTREETECH EBB42 CAN V1.1
1020000373 成品，BIGTREETECH EBB42 CAN V1.1(without 31865）

Problem: When updating firmware, it may be a risk that the heater sticks keep heating up

Processing method: 1. The place where the manual updates the firmware has explained how to solve this problem
2. Notify users who purchase EBB36, 42 V1.1 by email, internal letter and other means, and send github link or manual to users for details. (Note: Customers will not be notified in the form of public announcements)

注意：通过Type-C端口使用DFU更新固件时，STM32G0B1CB需要跳转到System memory区域执行Bootloader程序(STMicroelectronics出厂写死的)，参考手册AN2606中的描述(https://www.st.com/content/ccc/resource/technical/document/application_note/b9/9b/16/3a/12/1e/40/0c/CD00167594.pdf/files/CD00167594.pdf/jcr:content/translations/en.CD00167594.pdf)，此Bootloader的初始化流程如下图所示：

在进入USB DFU模式之前，还会初始化USART的IO。参考STM32G0B1CB数据手册中的描述(https://www.st.com/resource/en/datasheet/stm32g0b1cb.pdf)，进入DFU模式后，PA2引脚会被System memory区域中的Bootloader配置输出高电平。

PA2在EBB36 CAN V1.1和EBB42 CAN V1.1中被用于加热棒端口，进入DFU模式后的高电平会让加热棒处于加热状态，所以在使用Type-C端口的DFU更新固件时，请注意断开加热棒的主电源Vin或者确保固件很快更新完成，并进入正常工作的模式。万不可在主电源和加热棒都接好的情况下，使MCU长时间处于DFU模式。

Note:STM32G0B1CB needs to jump to the System memory area to run bootloader (written by STMicroelectronics) when using DFU to update firmware through the Type-C port. Referring to the description in manual AN2606 (https://www.st.com/content/ccc/resource/technical/document/application_note/b9/9b/16/3a/12/1e/40/0c/CD00167594.pdf/files/CD00167594.pdf/jcr:content/translations/en.CD00167594.pdf), The initialization process of this bootloader is shown in the following figure:
, The IO of USART will be configured before going to the USB DFU mode.
After going to DFU mode, PA2 will be configured to output high level by bootloader in System memory area refer to the datasheet of STM32G0B1CB (https://www.st.com/resource/en/datasheet/stm32g0b1cb.pdf)

PA2 is used for the hotend MOSFET in EBB36 CAN V1.1 and EBB42 CAN V1.1, The high level in the DFU mode change the hotend into heating state. Therefore, please pay attention to disconnect the main power VIN of the hotend when using the DFU of Type-C port to update the firmware, or ensure that the firmware update is completed soon and goto the normal working mode. Never keep MCU in DFU mode for a long time when the main power supply and hotend are connected.