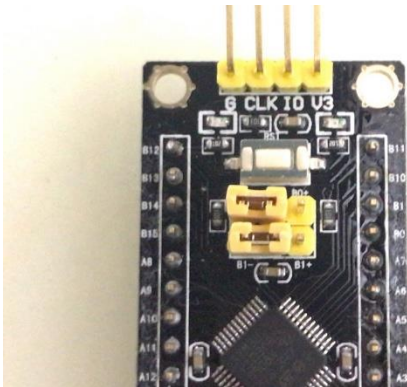


## Musical Paradise MP-D2 MK3 DAC Firmware Upgrade Guide

1. Turn off and unplug power cord.
2. Use 2.5mm Allen hex key to lose 8 screws and open the top cover.
3. Unplug the black MCU module on the front PCB board by hand.



4. Take out the STLINK firmware downloader.



5. Connect MCU module to STLINK by 4 wires according to the silk screen letterings.



MCU Module G <-> STLINK GND

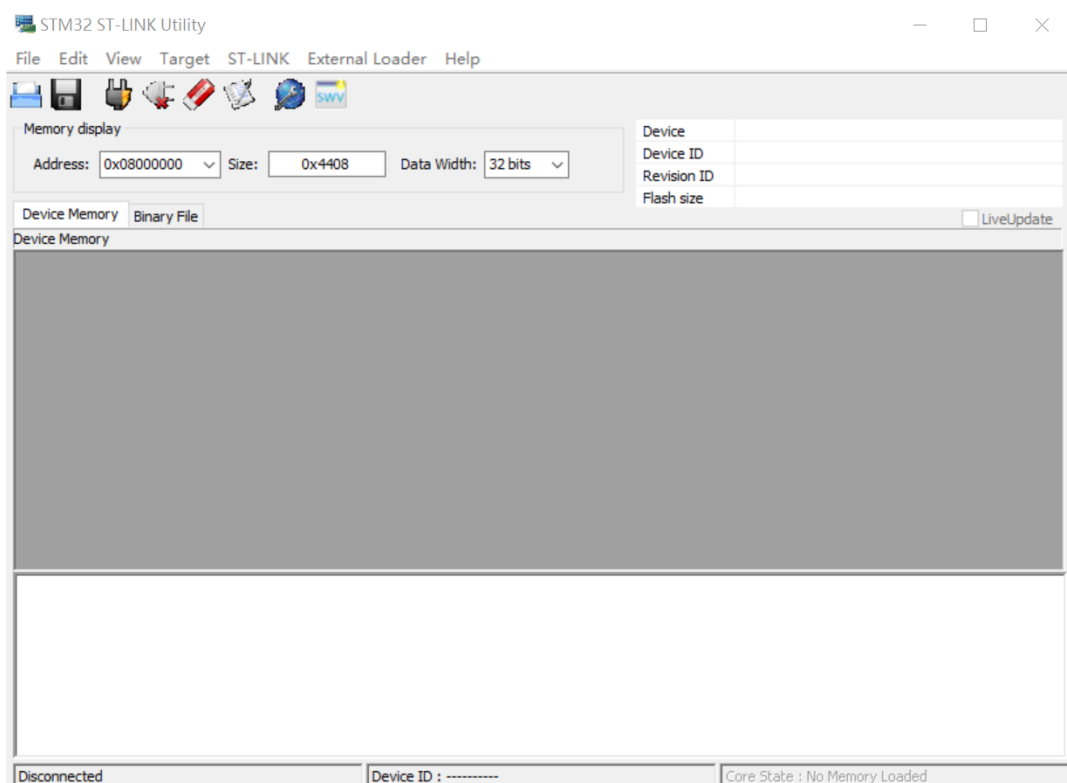
MCU Module CLK <-> STLINK SWCLK

MCU Module IO <-> STLINK SWDIO

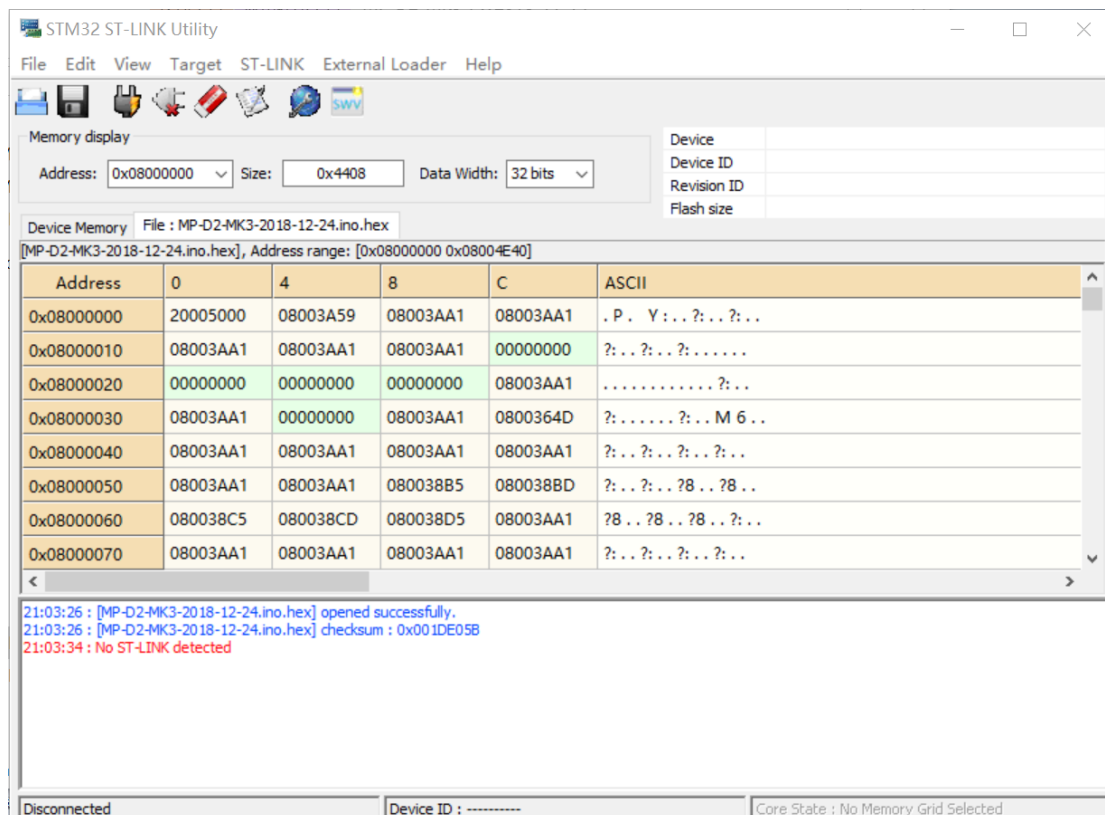
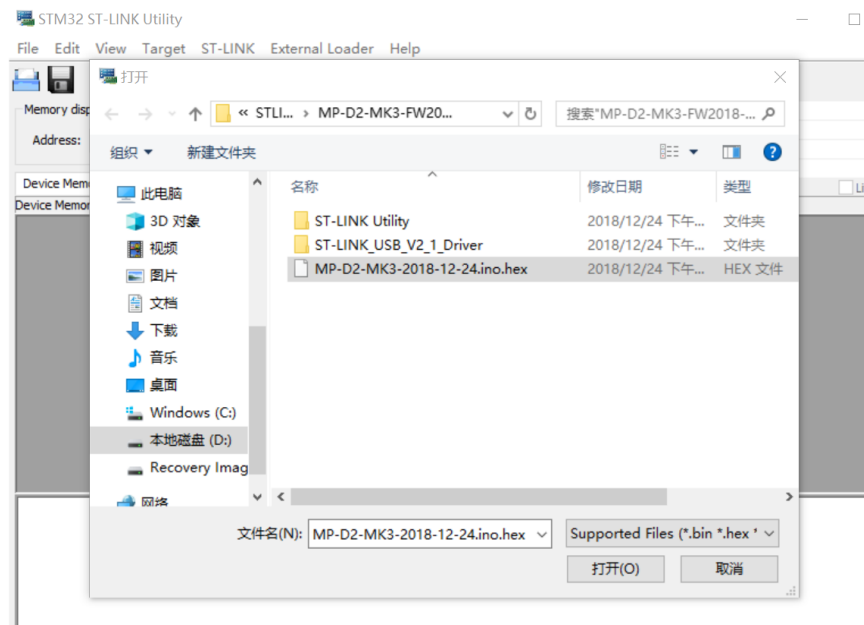
MCU Module V3 (or 3V) <-> STLINK 3.3V

ST-LINK Utility	2018/12/24 下午 8:...
ST-LINK_USB_V2_1_Driver	2018/12/24 下午 8:...
MP-D2-MK3-2018-12-24.ino.hex	2018/12/24 下午 5:...
Step 1-stlink_driver_install	2018/12/24 下午 8:...
Step 2-STM32 ST-LINK Utility	2018/12/24 下午 8:...

6.  Step 1-stlink\_driver\_install Run Step 1 to install STLINK driver.
7. Plug STLINK to one of the PC USB ports。LEDS of the MCU module should be lighted up. If no light, please check 4 wires connection between STLINK and MCU module.
8.  Step 2-STM32 ST-LINK Utility Run Step 2 - STM32 ST-Link Utility. (If you get MSVCR100.dll missing error, please install vccredist\_x86 and vccredist\_x64 and then rerun Step 2 - STM32 ST-Link Utility.)



9. Click on File -> Open File, choose .hex ending firmware file. Click open.



10. Click on Target -> Program & Verify; Click Start to write firmware into MCU module.

11. Unplug STLINK and remove 4 wires connected to the MCU module. Plug MCU module back to the front PCB board. Please make sure the micro-USB port of MCU module is facing power button side.

12. Power on and ENJOY!