Updating Rev1 Machine Firmware

Materials Needed

- Computer
- Updated Software File (UF2 File)
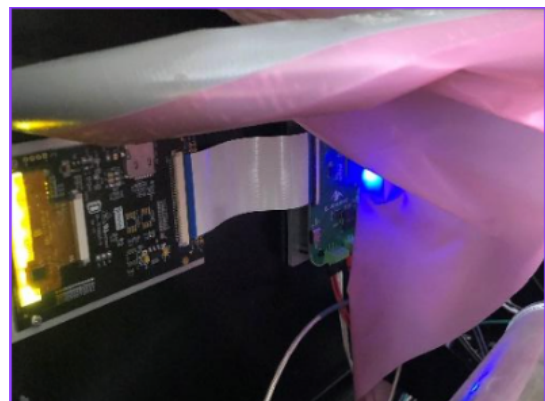- USB-C Cable
- T20x100 Screwdriver

Instructions

1. Unplug your machine and make sure everything is powered off.

2. Open up the right-side panel of the freeze dryer using the screwdriver.

3. Lift up the antistatic film from the board (this is the taped pink plastic covering taped to the inside front of the freeze dryer.)
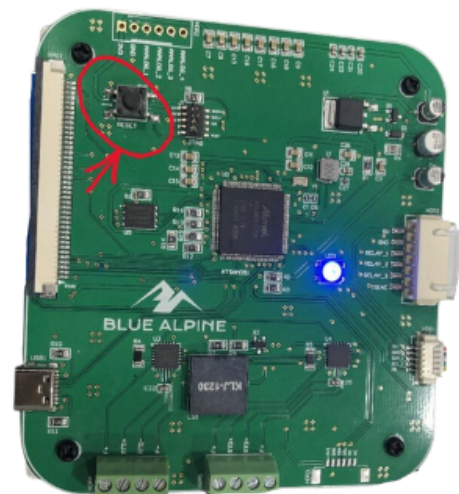
4. Find the USB C port on the Blue Alpine (green board shown in the picture) and plug in the USB C connector.

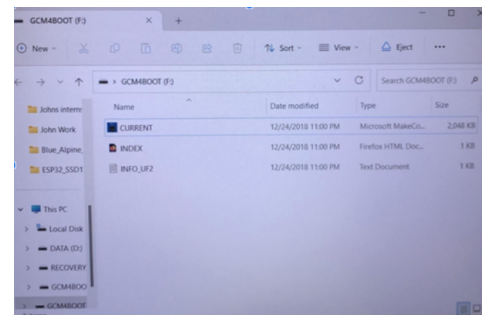5. Plug in the other end of the USB C connector to your computer.

6. Press the reset button twice* to activate download mode. The GCM4BOOT drive window should pop up on your computer and will act like a USB drive; if not, check the connected USB devices on your computer and see if this drive is found.

   *The LED on the board lights green when in bootloader mode. If a red light is present, try pressing the reset button two more times. If the problem persists, contact support at (208)-607-1722

7. Drag and drop (or copy and paste) the new software (UF2 file) to the GCM4BOOT drive. This should overwrite the old files.

8. The new software should instantly upload and run on the board after this step.

9. Unplug the USB C Cable from the machine, replace the pink antistatic film, and replace the metal panel back onto the machine.

   As of patch 14, multiple default values have changed. The machine is designed to not alter its default memory even with updates unless the user explicitly factory resets the machine. We recommend Factory resetting the machine after the update. Please note that this will erase your personally saved settings.