

Updating the Vetus Pars Firmware

It is recommended that you always update the firmware when a new one is available. It could fix bugs that could affect your experience. Before doing anything, you should download

STM32CubeProgrammer from ST Micro's website. They are the manufacturer of the Vetus Pars' brain chip the STM32H7B0.

1. Turn Vetus Pars completely off.
2. Connect Vetus to the computer by USB and open **STM32CubeProgrammer**.
3. Press and hold the **BOOT0** button.
4. While continuing to hold **BOOT0**, turn Vetus on.
5. Keep holding **BOOT0** for approximately two seconds, then release it. Vetus should now be in STM32 USB bootloader mode. The normal Vetus screen may remain blank.
6. Select **USB** from the connection menu. Choose the detected USB/DFU device and click **Connect**. If no USB device appears, click the refresh button. If necessary, repeat the power-on procedure while holding BOOT0.
7. Open the **Erasing and Programming** screen and select the supplied Vetus firmware file.
 - Vetus Pars firmware will be an .elf file, the programming address is contained in the file.
8. Click **Start Programming** or **Download**. Do not disconnect USB or remove power while programming is underway.
9. Wait until STM32CubeProgrammer reports that programming and verification completed successfully.
10. Click **Disconnect**, turn Vetus off, and wait a few seconds.
11. Turn Vetus on normally **without holding BOOT0**. The new firmware should start.
12. Open VetusGUI, reconnect to the device, and confirm the displayed firmware version.

If STM32CubeProgrammer cannot find the device, disconnect USB, turn Vetus off, hold BOOT0, reconnect or restore power while continuing to hold it, then refresh the USB device list.

STM32CubeProgrammer supports firmware programming and verification through the STM32 USB DFU bootloader. [STMicroelectronics documentation](#)