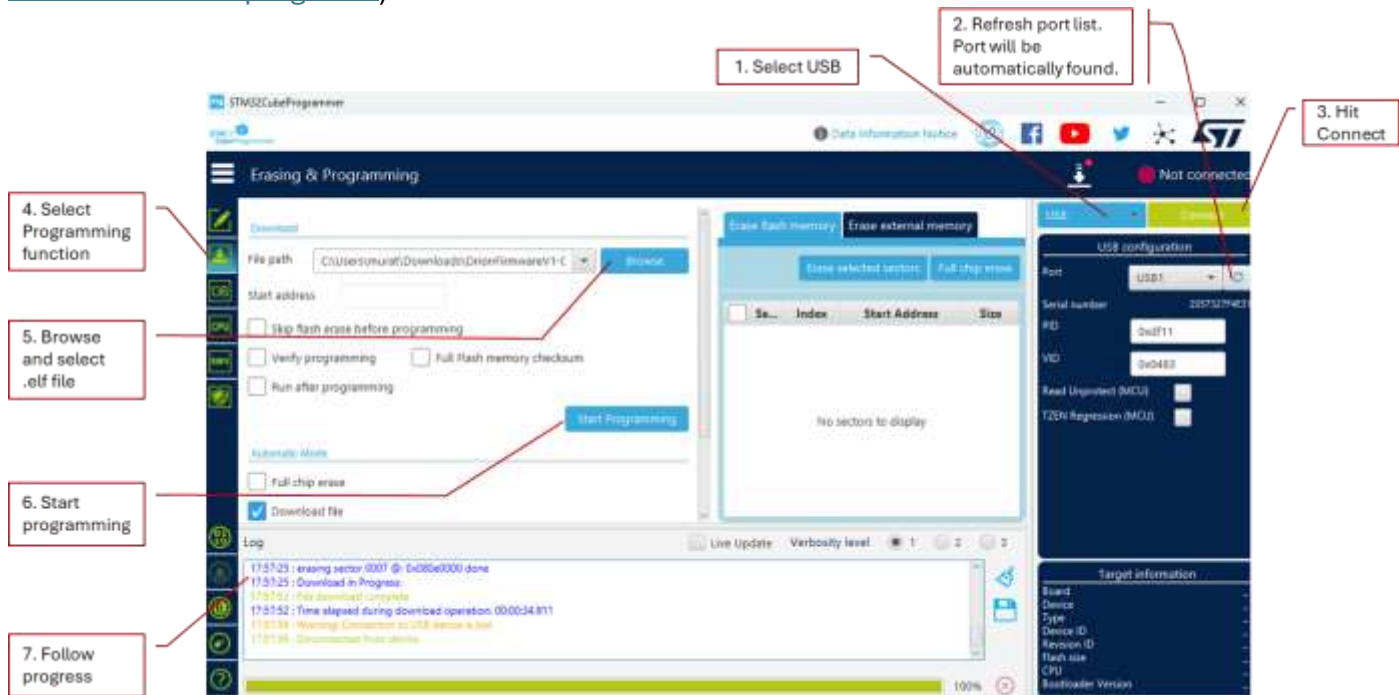


ORION Firmware Update Procedure

1. Make sure you have a backup of your Sedona application. The existing app will normally be preserved, but a backup is essential to safeguard against potential incompatibilities and for safety.
2. With 24 Vac power *disconnected*, connect the USB cable to computer and immediately tap on the ORION screen once. Bootloader page will be displayed. The device is now ready to accept new firmware.
3. Start STM32 Cube Programmer software (<https://www.st.com/en/development-tools/stm32cubeprog.html>) . Follow below instructions:



- On upper-right pull-down box, select USB connection
- Click on Refresh button. USB port should be automatically selected and displayed.
- Click on Connect button. Observe successful connection is established.
- On the left toolbar, click on button for “Erasing & Programming” function
- Use the Browse button to select the new firmware file (.elf extension)
- Click on Start Programming button
- Follow progress on the log pane to make sure firmware download completes successfully.
- !! Do not disconnect USB cable while the download is in progress !!

4. After the firmware update is complete, you have two options to restart the device.
 - Tap “Format Flash Memory” to delete the existing app and files, and start with a default app that has only the minimum basics for operation.
 - Tap “Keep existing app & files” to boot with the existing previous app.

If the device fails to start with the existing app:
Start device in bootloader mode (above step 2), select “Format Flash Memory,” and try reloading the app from your backup.

