

**REPROGRAMMING
GUIDE
FOR
ARTIUM
INSTRUMENTS**

STEP 1

Download Programming Software

Artium Instruments uses STM32 chips and requires STM programming software.

FOLLOW [THIS LINK](#)

Scroll down to “GET SOFTWARE”

Get Software

Software name	ECCN	OS	Version	Action
STM32CubePrg	NEC (EU) EAR99 (US)	Windows 64 ▾	2.23.0 Latest ▾	 Download

Select your operating system and click download

It may ask you to login, but just download it as a guest.

Follow the steps and install the program just like any other application. Once it is finished installing, proceed to STEP 2

SIDE NOTE: This was honestly the hardest part of the whole process. Congratulations!

STEP 2

DOWNLOADING NEW FIRMWARE

Go to the [Artium website](#). Navigate to the product page for the synth you are updating. Find the link for “FIRMWARE” and download the .hex file.

Pay attention to where you download it to. Usually it will just go to your download folder.

STEP 3

ENTER PROGRAMMING MODE

To reprogram your device, it must be in “PROGRAMMING MODE.”

#1 - Plug the USB into your computer

#2 - Hold down the “OCT+” button on the back

#3 - Plug in the other end of the USB to your synth as shown

#4 - Continue holding the “OCT+” button for about 5 seconds



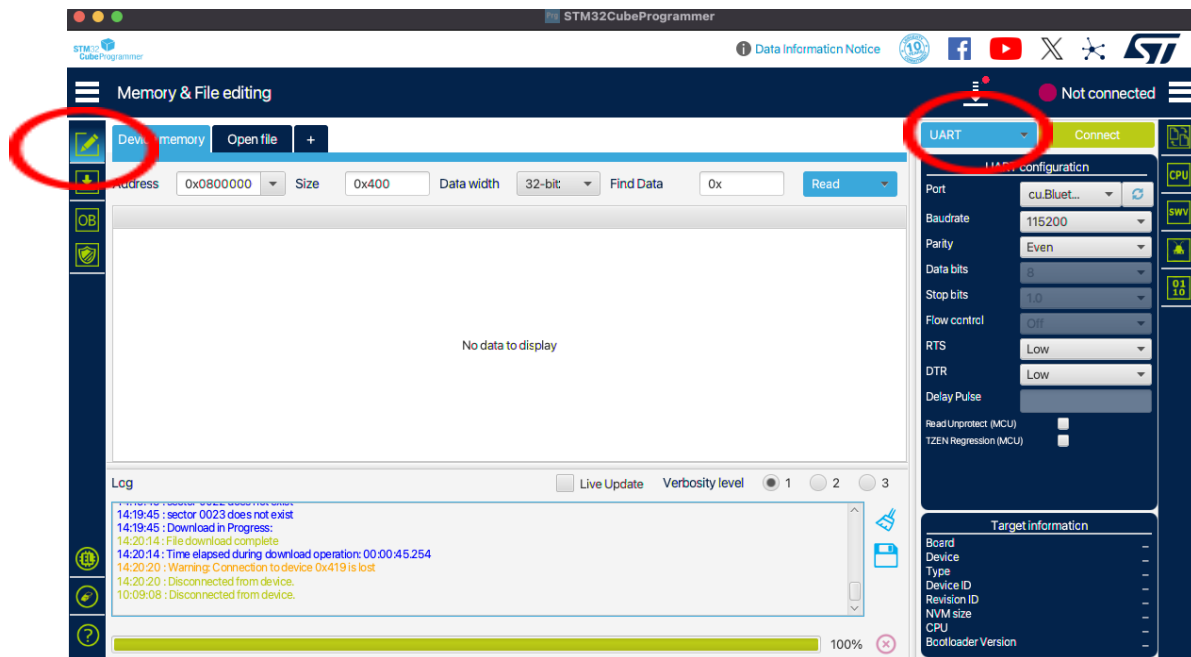
In “PROGRAMMING MODE” the LED does not blink.

STEP 4

CONNECTING TO PROGRAMMER

SIDE NOTE: If you are more of a visual learner, Chase Bliss has a programming video that walks you through this process in video format. They also use STM32 chips for some of their devices, so the programming methods are identical. [CLICK HERE](#) for the video. 2:00-4:00 walks you through how to download and install the programming software and 4:00-5:30 walks you through using the software to flash new firmware.

Now open the STM32CUBEPROGRAMMER software

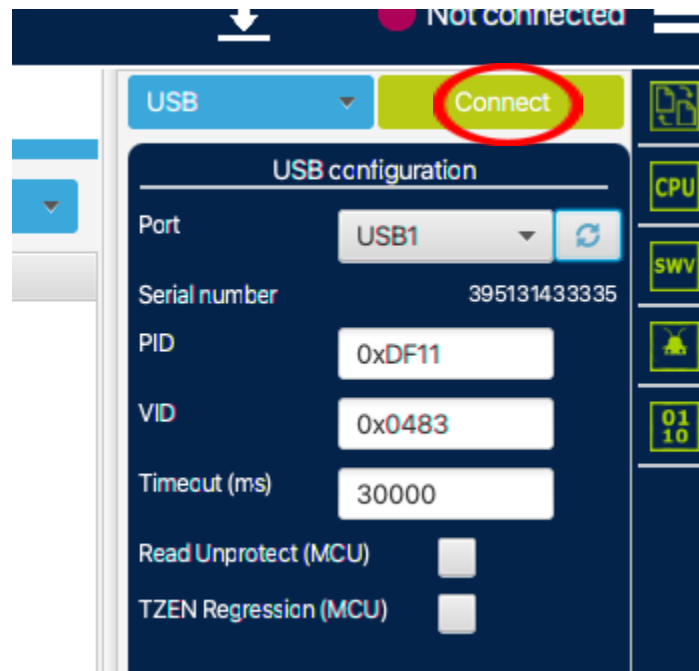


It should look like the picture above. There are 2 points of interest.

On the left you should have the “Memory & File editing” tab active (it usually is by default).

**On the right there is a dropdown for the destination.
You will need to change that to “USB”**

Now we will find the device and connect to it. It should say USB1. If it says NO DFU that means it hasn't detected your device. Press the refresh symbol if it says NO DFU. If it still won't detect it, retry step 2.



Once it connects it should look like this.

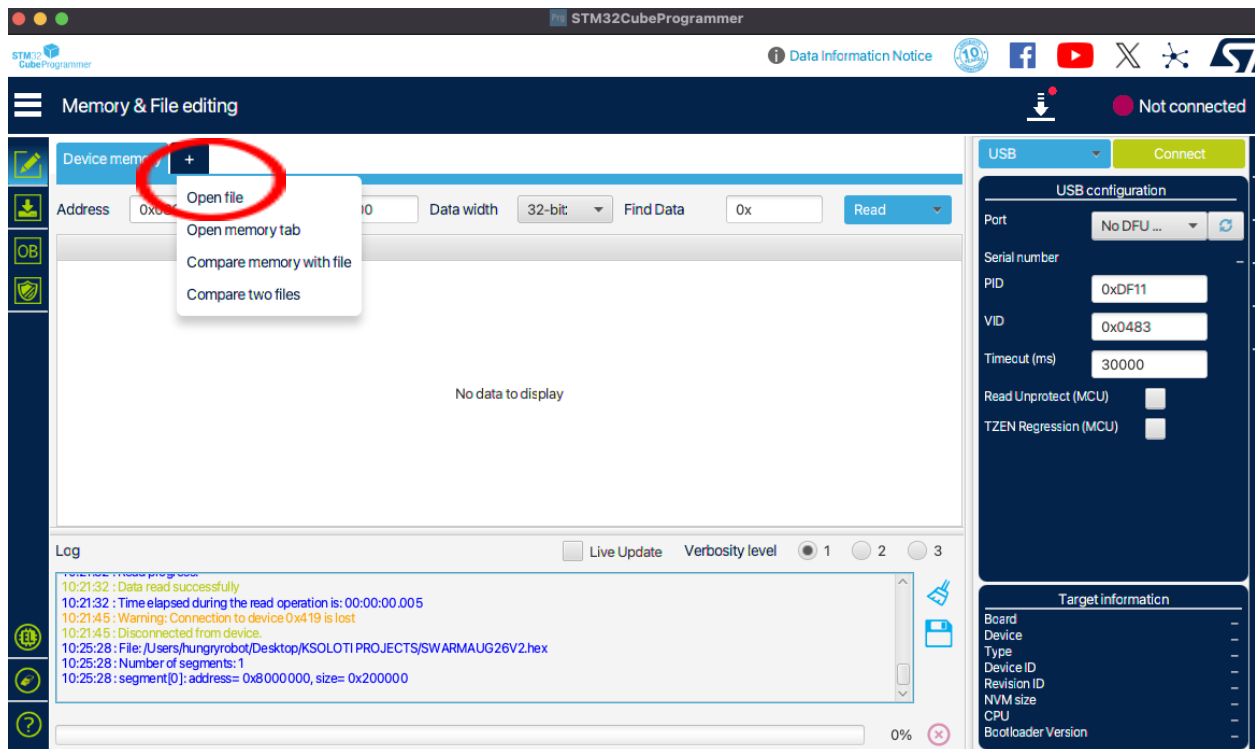
Now press connect.

TROUBLESHOOTING TIP: Make sure you are using a USB cable that is capable of transmitting DATA. There are 2 varieties of USB cables. Some cable only transmit power (for charging) and the other type transmits data and power

STEP 5

LOADING FIRMWARE

Remember that .hex file you downloaded earlier from the Artium website. Now we will load that file and get ready to program.



Click the + tab and then OPEN FILE.

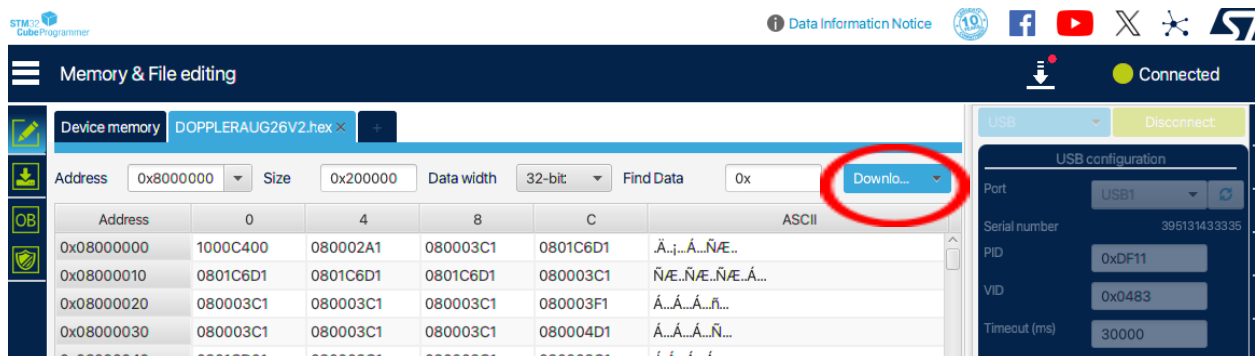
Now you will find the file you downloaded earlier and open that.

STEP 6

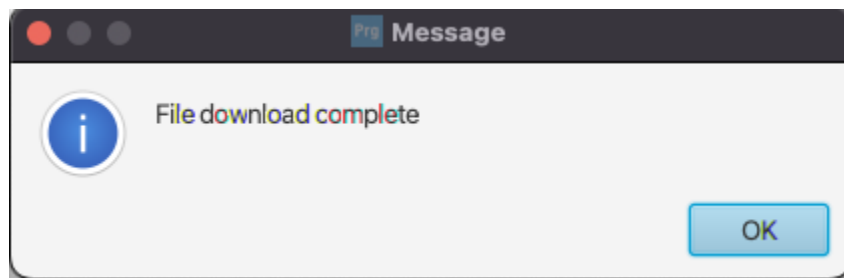
PROGRAMMING

The last and final step. You are a couple clicks away from completion.

After loading your hex firmware file, all you need to do is press the download button.



If successful you should get a pop-up like the one below.



Now unplug your Synth, plug it back in and keep creating.