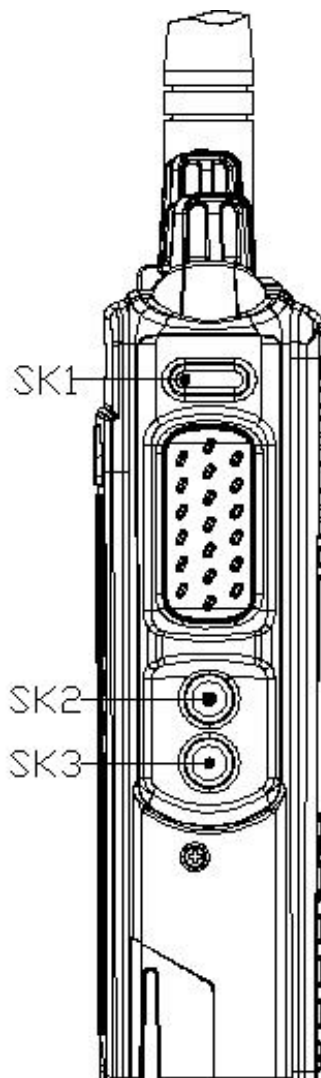


Summary of Converting from the M17 Protocol to a later version of the M17 Protocol

1. Transfer the latest version of the openrtx_cs7000.dfu program to the radio using the DfuSeDemo program.

Converting from the M17 Protocol to a later version of the M17 Protocol



Picture showing where the keys are

You need the following programs and hardware:

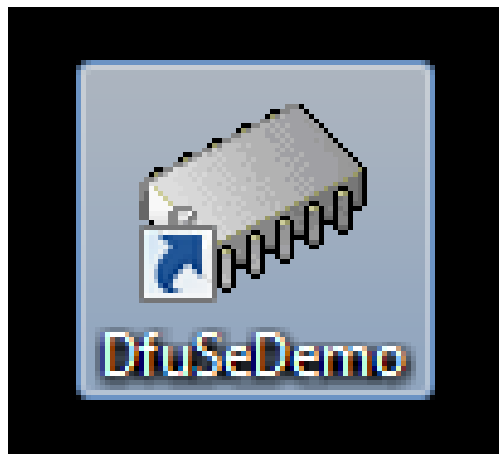
CS7000 M17 radio

Programming cable

DfuSeDemo program

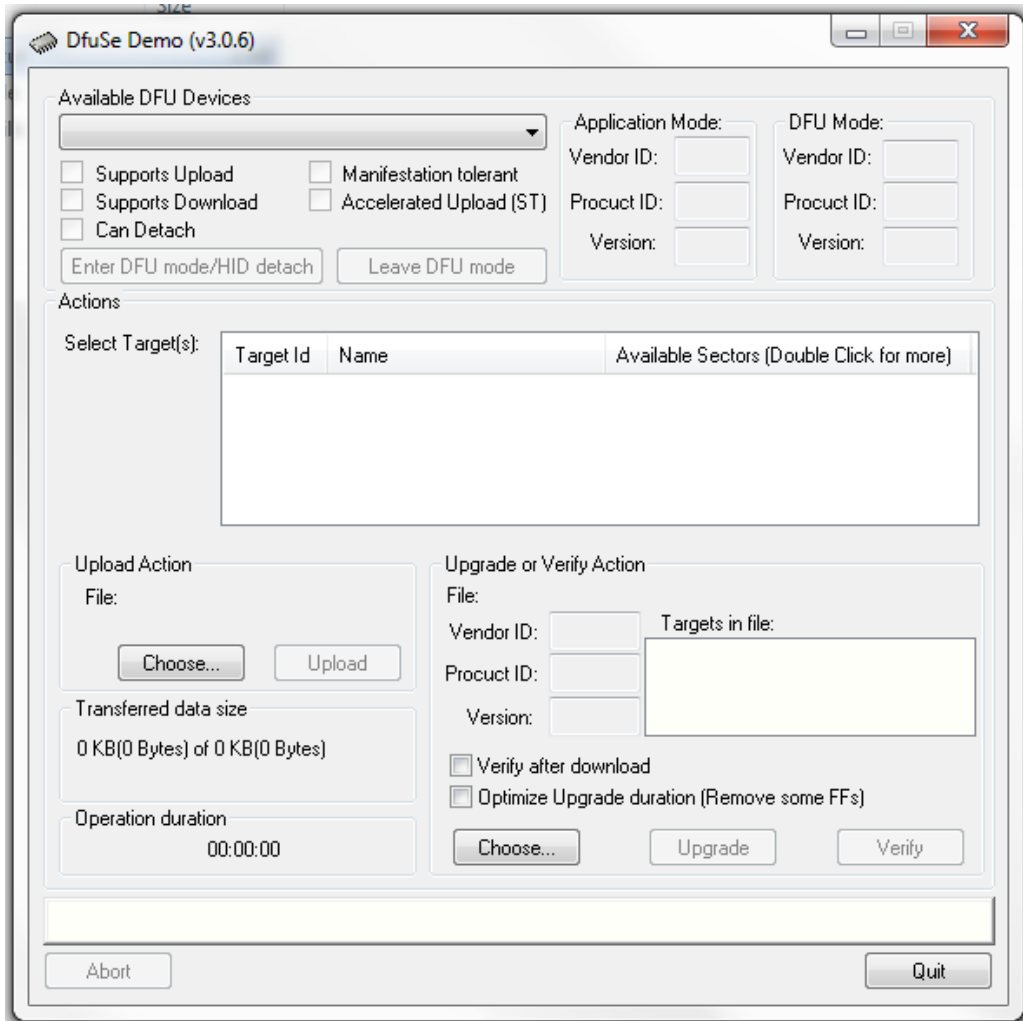
openrtx_cs7000.dfu program

If you have not already done it, install the DFuSeDemo Program on your PC. If done properly you should have the following shortcut on your PC.

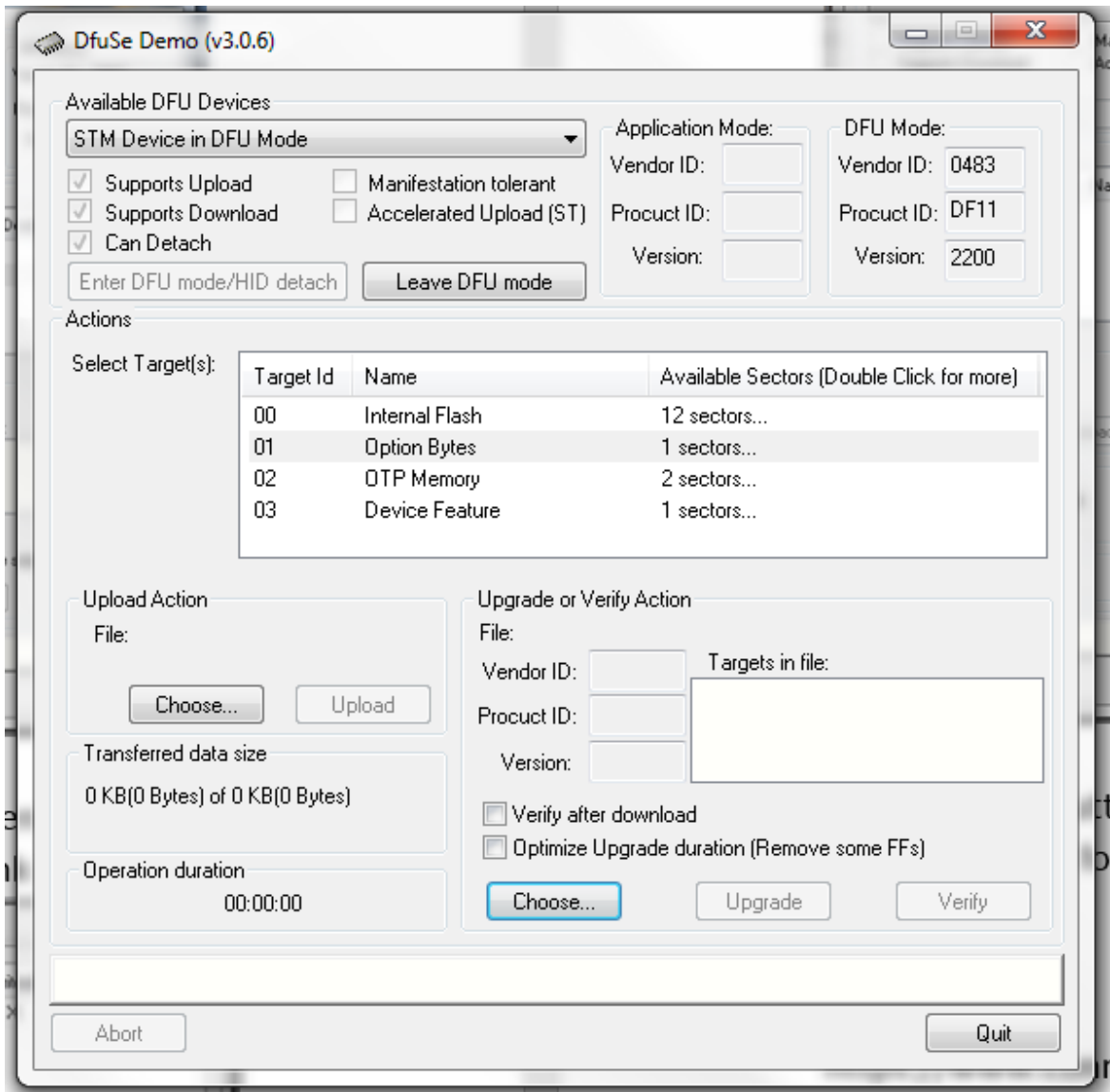


1. Attach one end of the programming cable to the radio and the other end to the USB port of the computer.

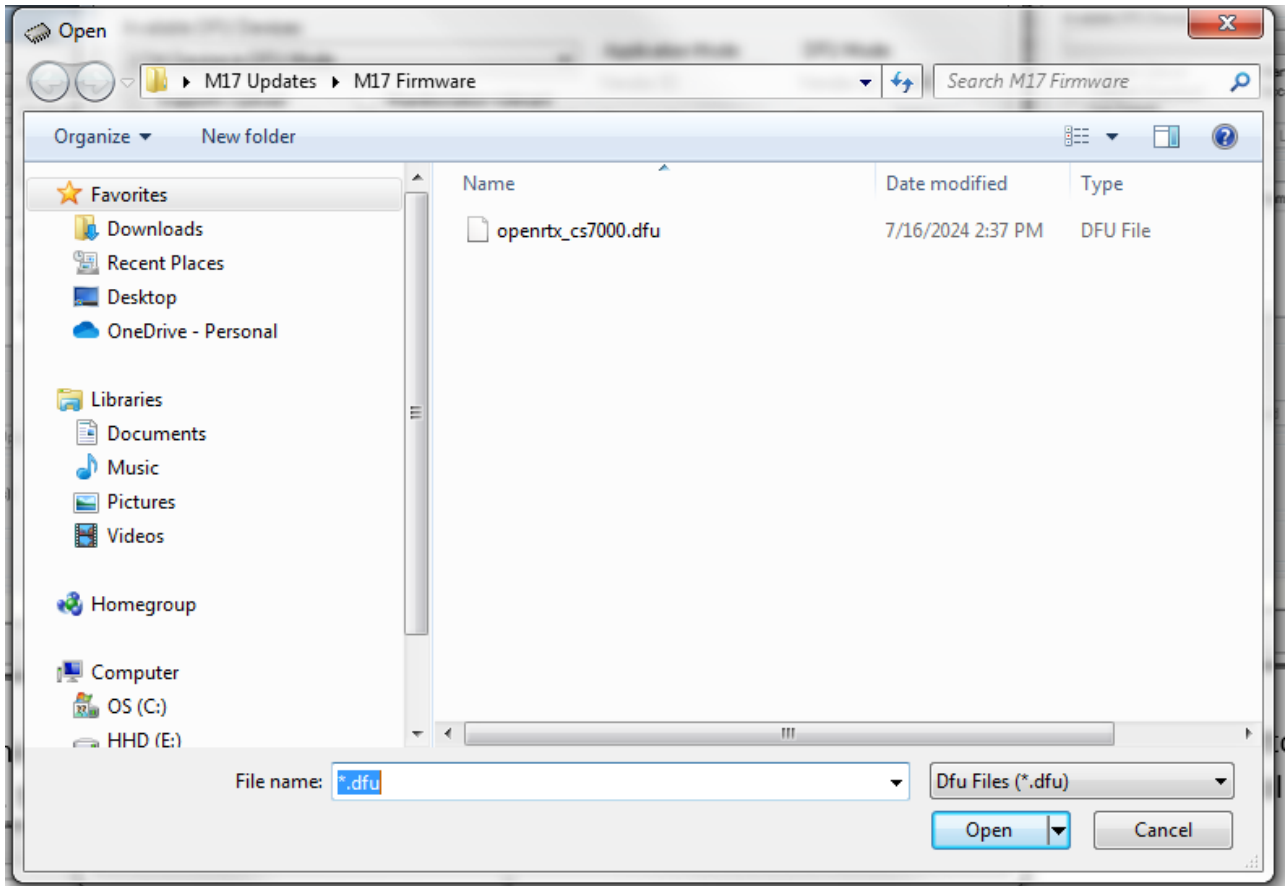
2. Run the DFuSeDemo program and you should get the following Screen:



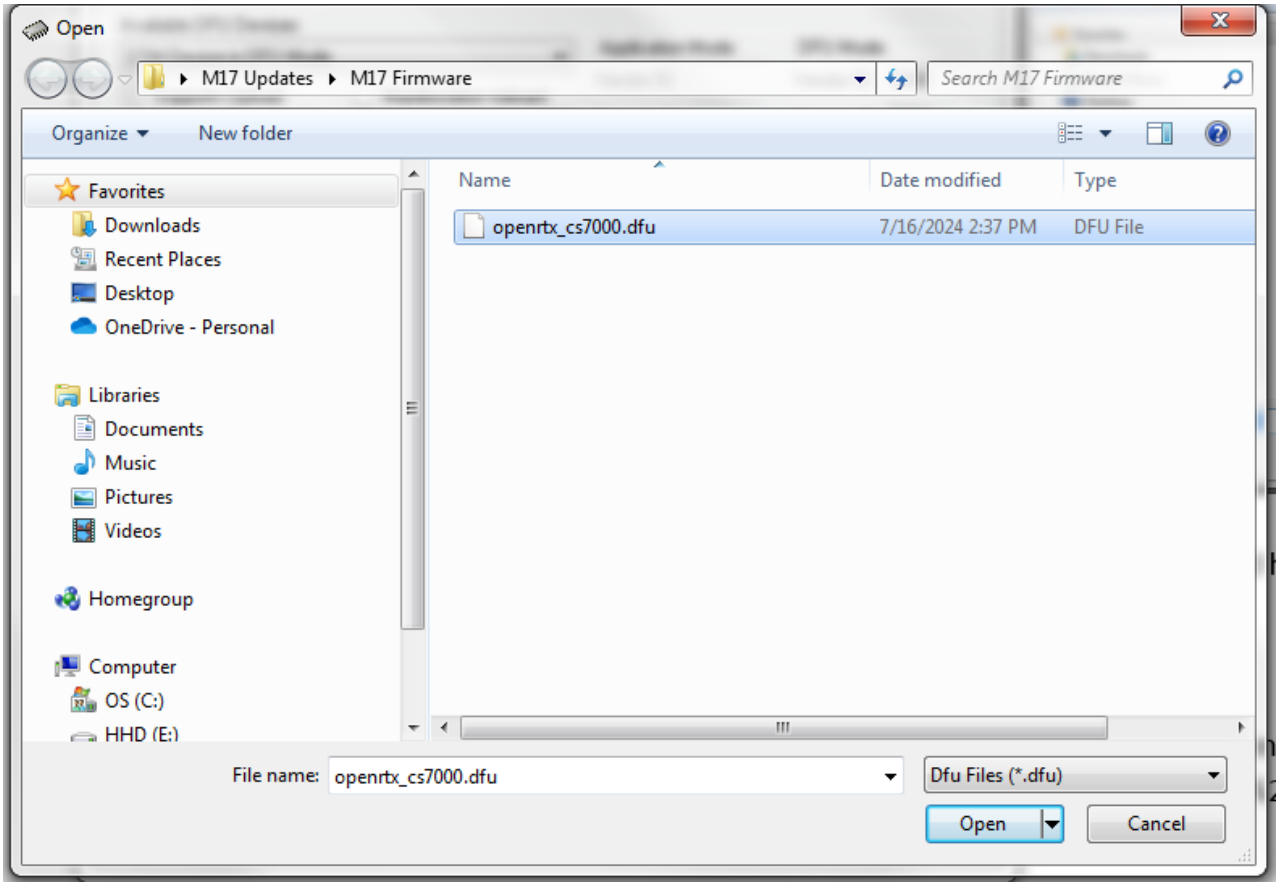
3. Press the SK1 button and while it is pressed turn on the radio and the screen is shown as follows:



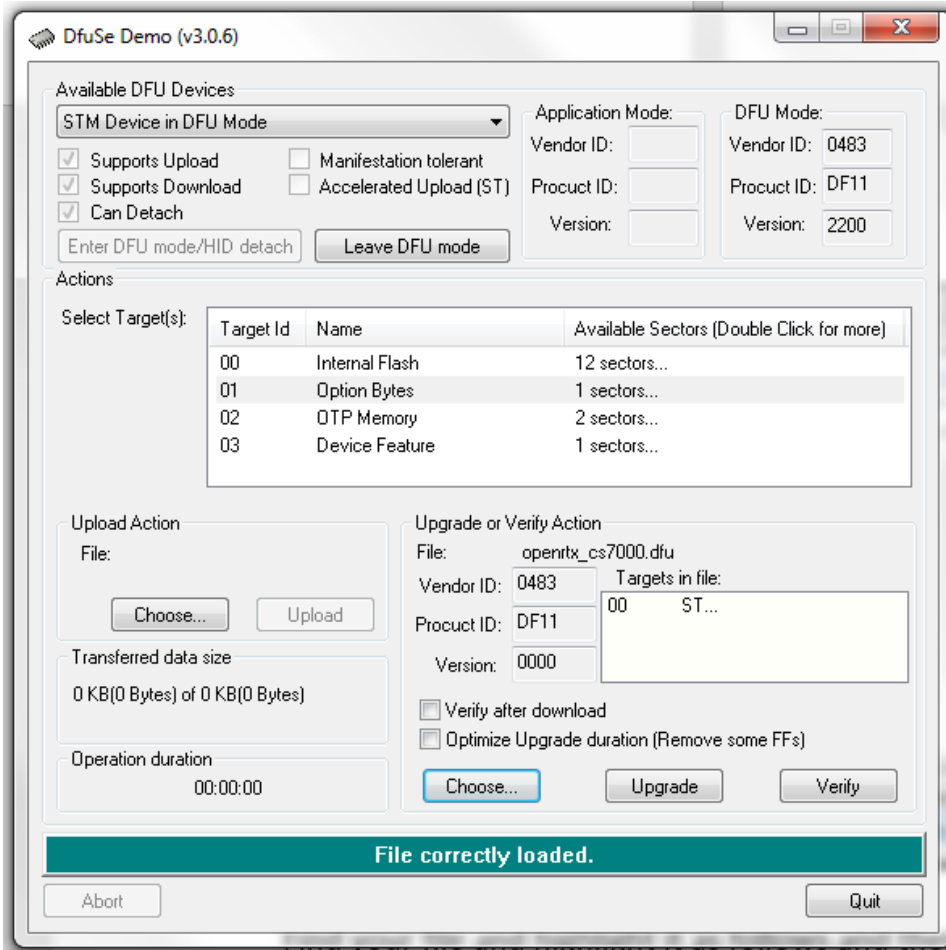
4. Press the choose button and you get the following screen.



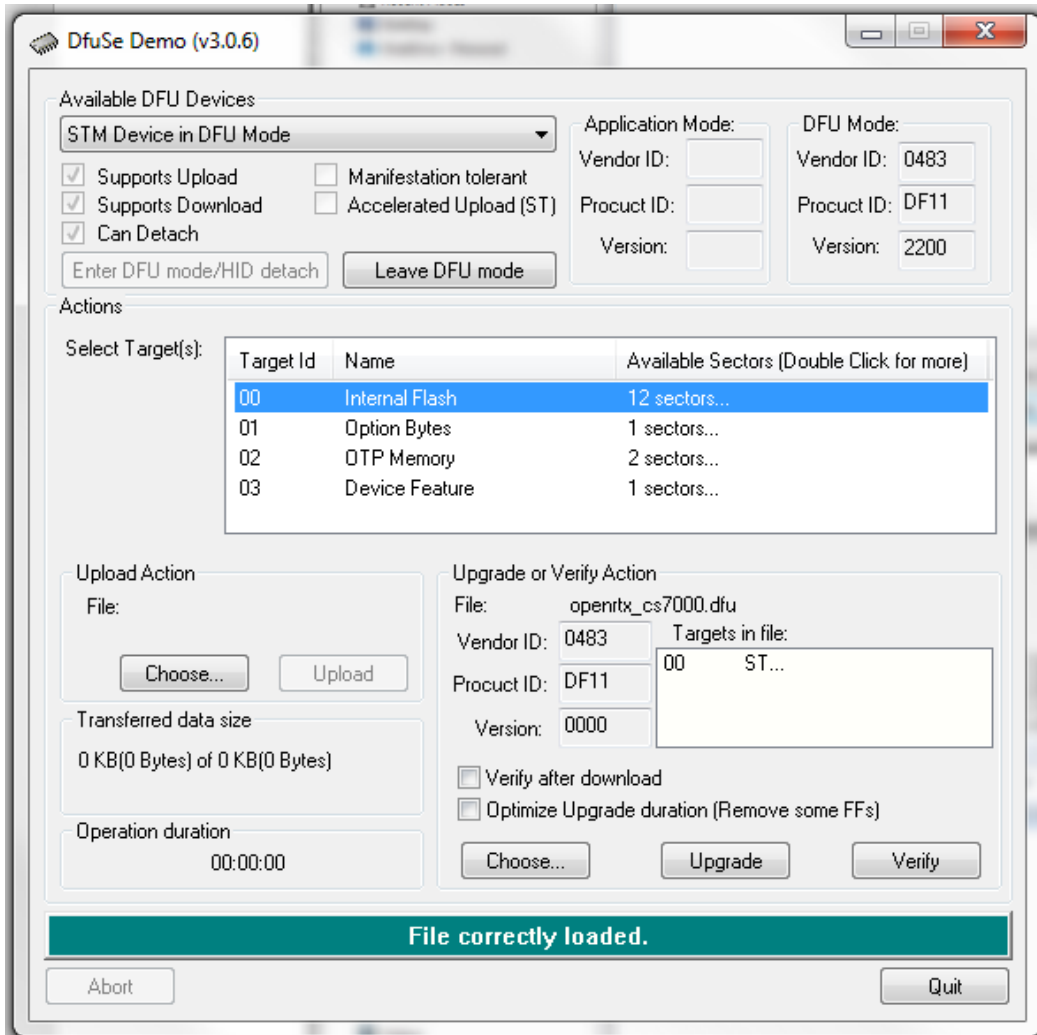
5. Find your file and highlight it as follows and then press the Open button.



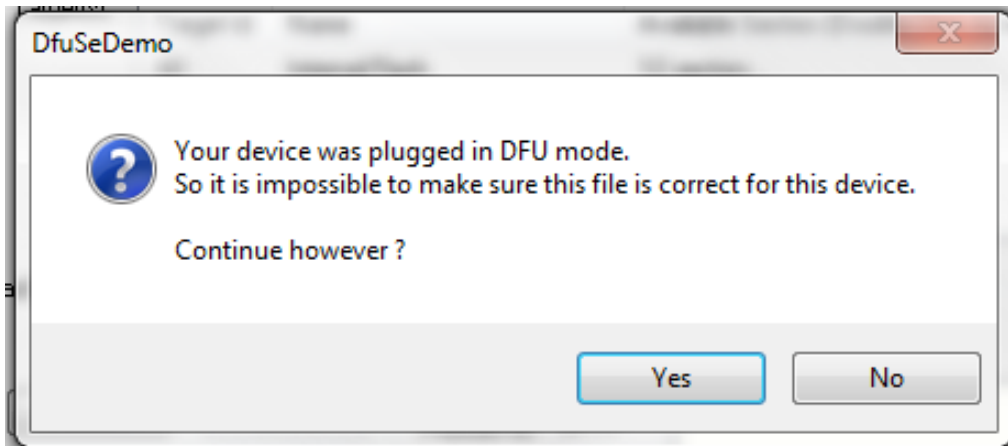
6. You get the screen below.



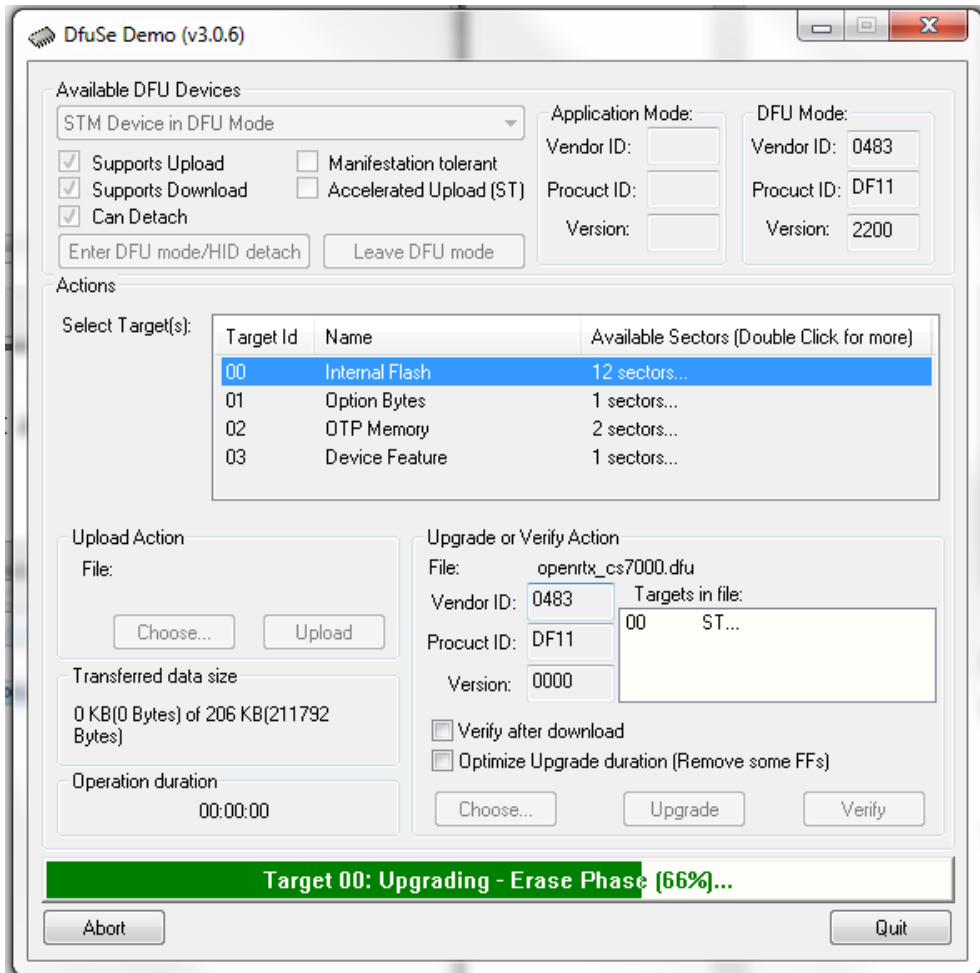
- Now highlight the Internal Flash as shown below and press the Upgrade button.



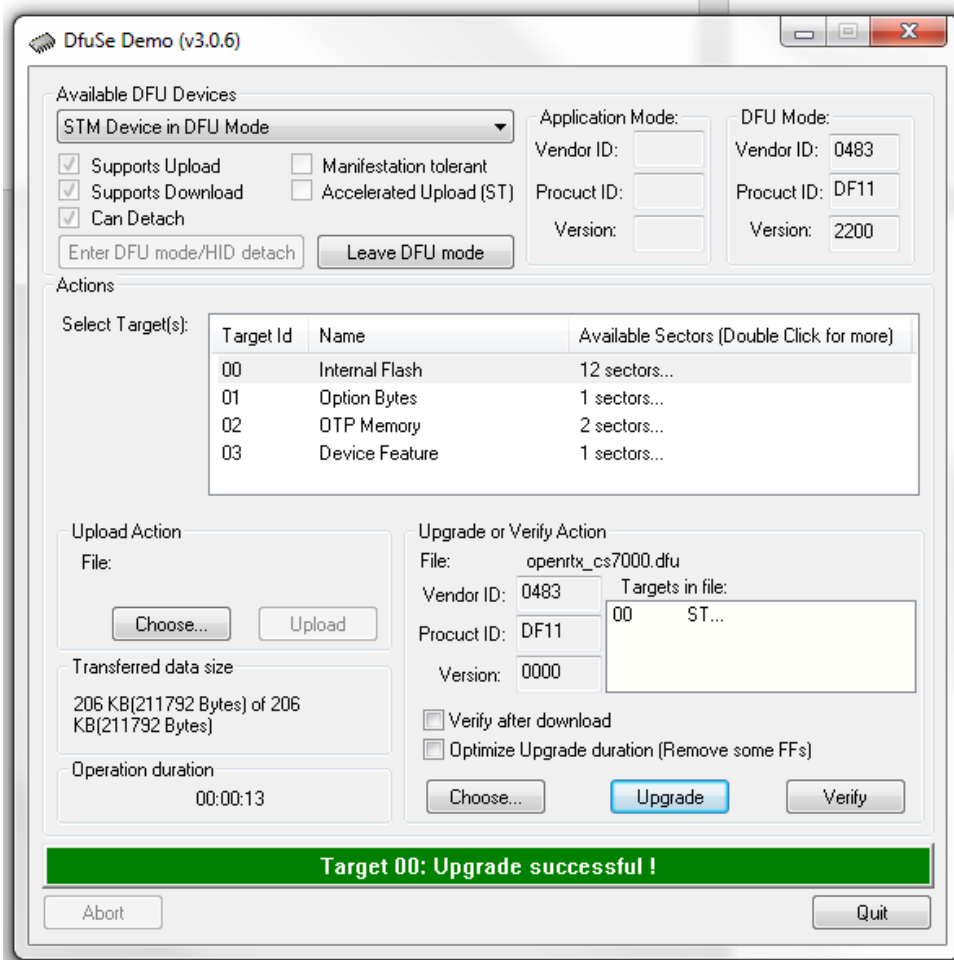
8. You will get the following warning.



9. Press the Yes button and you will get the following:



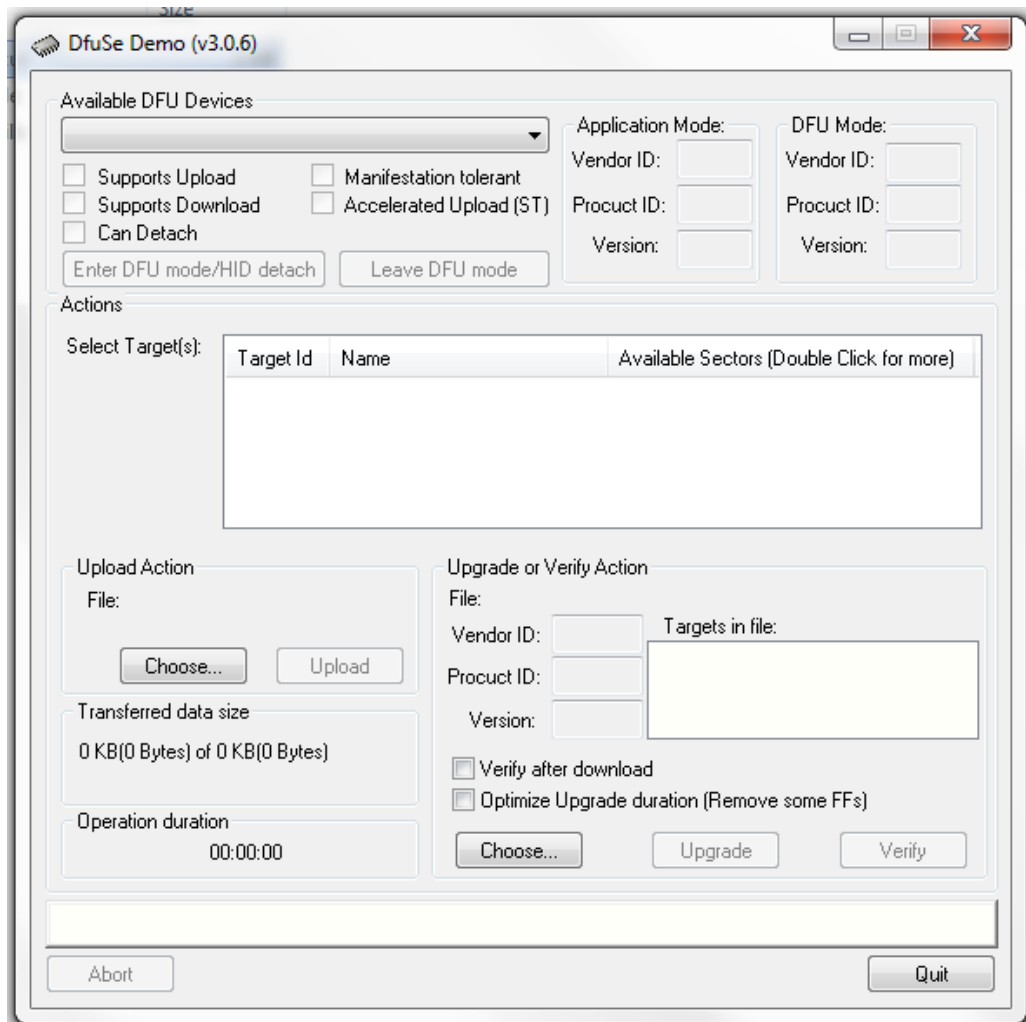
10. After a few seconds you will get the following screen:



You are now finished. Turn off the radio and turn it on again.

Installing the driver for the DfuSeDemo program manually

If after Pressing SK1 and while pressed turning on the radio you get the following screen, you might need to manually install the driver.



Normally, this program if it needs a driver, finds it over the internet and gives you an option to install a local driver. Some operating systems do not seem to get the driver. If that is your situation, you should install the driver manually.

On your computer, go to the following directory:

C:\Program Files (x86)\STMicroelectronics\Software\DfuSe
v3.0.6\Bin\Driver

If you go there you should see the following:

Name	Date modified	Type	Size
Win7	1/11/2021 7:09 PM	File folder	
Win8	1/11/2021 7:09 PM	File folder	
Win8.1	1/11/2021 7:09 PM	File folder	
Win10	1/11/2021 7:09 PM	File folder	
version.txt	6/11/2018 12:53 AM	Text Document	4 KB

Now you have to match your windows version to your computer. I would expect Windows 10 to work with Windows 11.

Go into the folder matching your operating system and then go into the folder matching the type of operating system.





Name	Date modified	Type	Size
x64	1/11/2021 7:09 PM	File folder	
x86	1/11/2021 7:09 PM	File folder	
DFU_Win7_x86x64_v3.0.4.0_LogoVerificati...	7/10/2012 6:35 PM	Adobe Acrobat D...	132 KB

If you go into the x64 bit folder you get the following:

Name	Date modified	Type	Size
x64	1/11/2021 7:09 PM	File folder	
dpinst_amd64.exe	2/8/2010 10:36 PM	Application	1,026 KB
sttube.cat	7/10/2012 6:38 AM	Security Catalog	9 KB
STtube.inf	7/9/2012 11:02 PM	Setup Information	10 KB







Run the dpinst_amd64.exe program to install the driver.

If you go into the x86 folder you get the following:

Name	Date modified	Type	Size
 x86	1/11/2021 7:09 PM	File folder	
 dpinst_x86.exe	2/8/2010 9:59 PM	Application	901 KB
 sttube.cat	7/10/2012 6:38 AM	Security Catalog	9 KB
 STtube.inf	7/9/2012 11:02 PM	Setup Information	10 KB

Run the dpinst_x86.exe program to install the driver.

The Windows 10 folder is an exception. When you go into the folder you get the following:

Name	Date modified	Type	Size
 x64	1/11/2021 7:09 PM	File folder	
 x86	1/11/2021 7:09 PM	File folder	
 dpinst_amd64.exe	2/8/2010 10:36 PM	Application	1,026 KB
 dpinst_x86.exe	2/8/2010 9:59 PM	Application	901 KB
 sttube.cat	4/27/2018 6:38 AM	Security Catalog	11 KB
 STtube.inf	4/27/2018 3:31 AM	Setup Information	13 KB

Both programs are here so run what is appropriate for your computer.