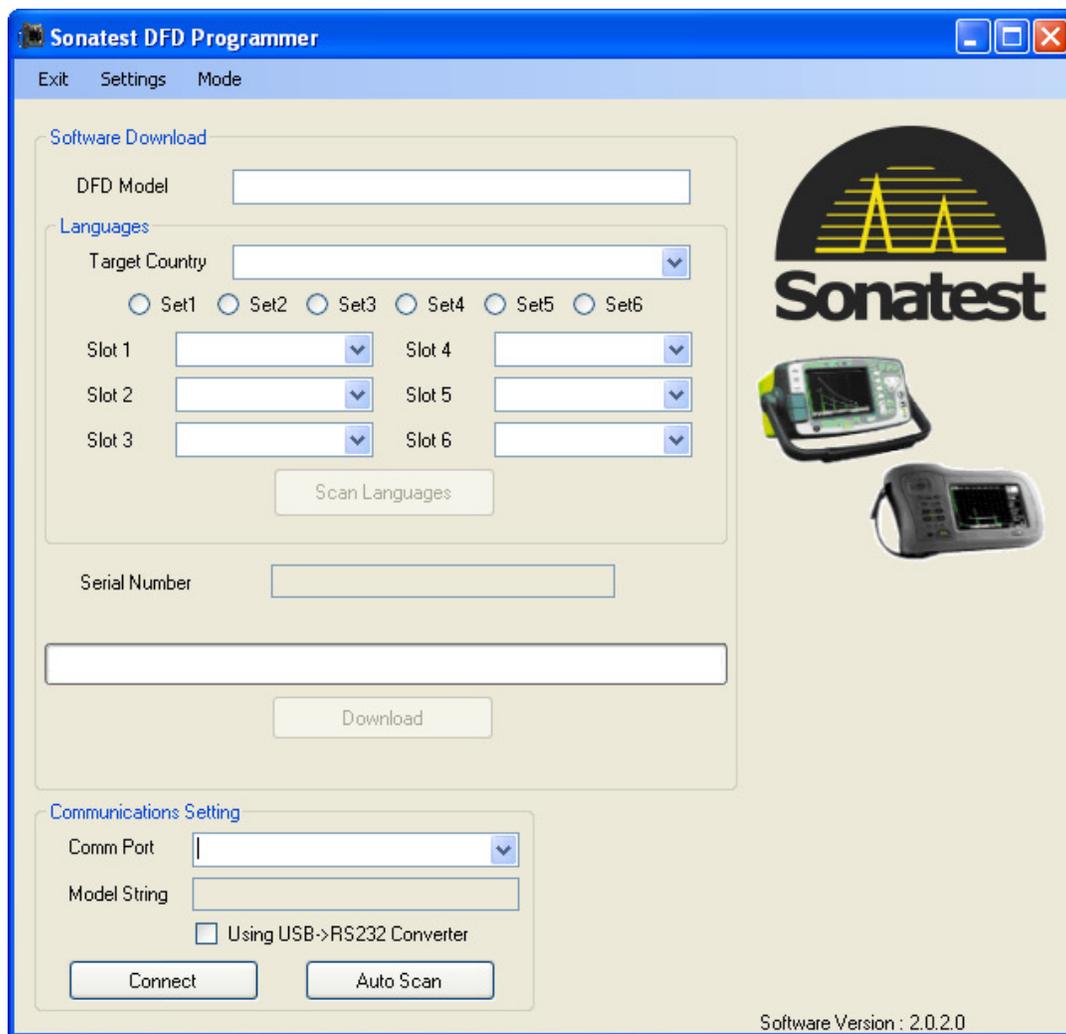


# How to upgrade your DFD's software with DFD Programmer.

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**Date:** 7 september 2012.

- Version 2: Update Run as an Administrator.
- Version 3: Activate option Mode.
- Version 4: Warning about removing file.
- Version 5: Add Language Pack install process.
- Version 6: Add instruction about driver and connection cable.

First, you must assure that you have installed the **VS\_FALCON** driver and you can download it in the following link:

<http://sonatestap.com/SoftwareUpdates/DFDProgrammer/>

You have to choose between [VSFalconDrivers\\_x64.exe](#) and [VSFalconDrivers\\_x86.exe](#).

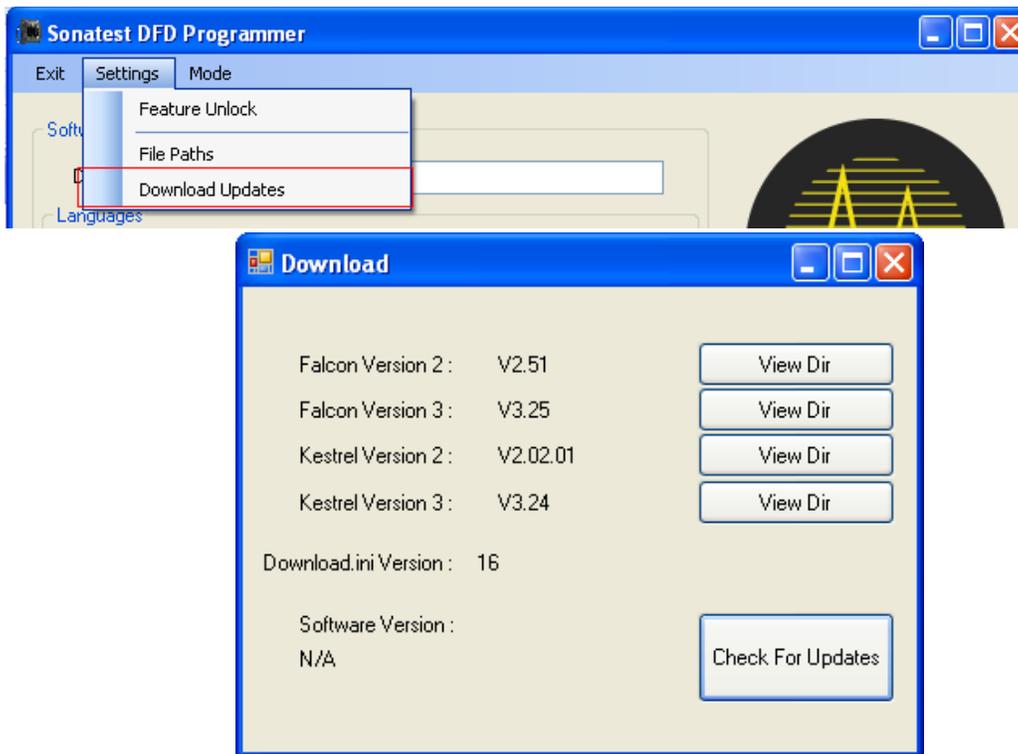
- X86 is for computer system using window 32 bits.
- X64 is for computer system using window 64 bits.

For **Masterscan** and **Sitescan**, you have to use a RS-232 cable. Connect in the back of your unit to your PC by using a RS-232 converter to USB.

For **D-series** and **D-series+**, you have to use cable Lemo to USB. Connect in the front your unit to your PC.

Run the application as a **Administrator** by right clicking the application **Kestrellience** in the following path: C:\Program Files\Sonatest Limited\DFD Programmer

1. Verify that you have the latest version of .hex file to update your unit by selecting the menu **Settings->Download Updates**.



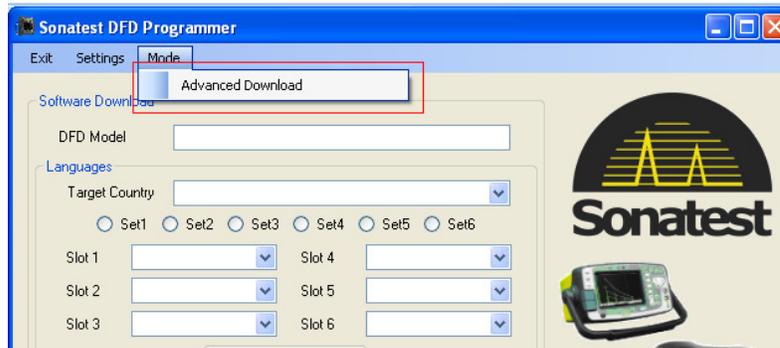
Press the button **Check For Updates** will automatically download the file and wait until it show a message that it download the file or No update are available.

If you don't have the option **MODE**, select the menu **Settings -> Feature unlock** and enter the password: **NOTTINGHAM**

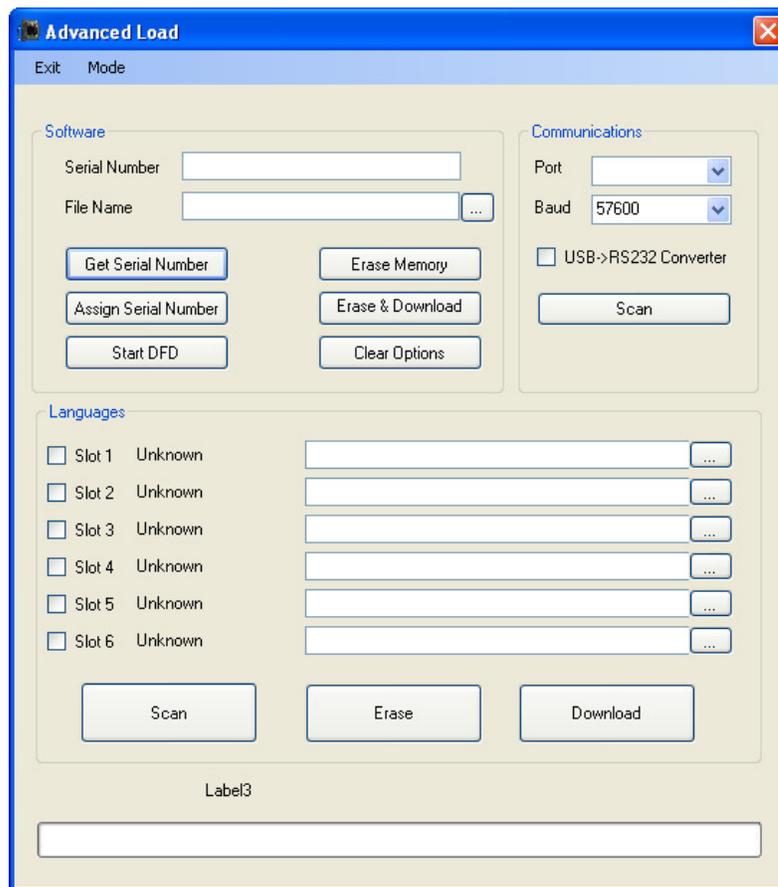
**Restart the application so it takes effects.**

**A reminder, upgrading your unit, will erase all your Panel, Alog file etc  
Use SDM 3 to transfer your file to your PC and save them as .dfd file.**

2. When you are done, press the **Advanced Download** in the menu **Mode**.

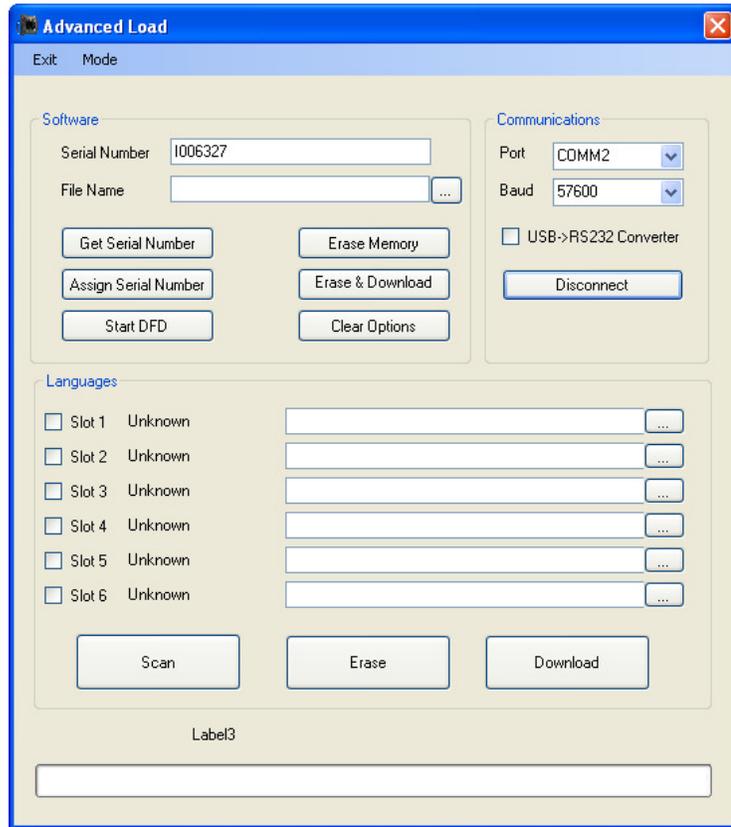


3. You will have the following views:

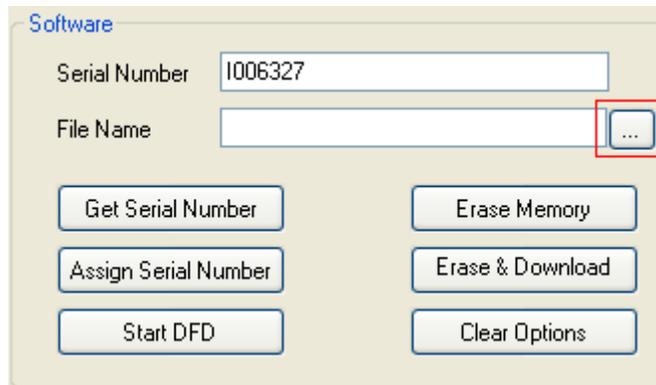


4. You have to turn your DFD unit off and boot with the button **HELP** pressed during the boot time.

5. Connect your DFD to your PC.
6. Select the correct **Port** and set the **Baud** to **57600** by default
7. The connection is correctly connected when you see the correct Serial Number and the button **Scan** turned to **Disconnect** as follow:  
 \*\*if you don't have a serial number, you can still enter a new one and use the button Assign Serial Number after the upgrade.



8. Use the button “...” to select the correct .hex file to upgrade your DFD. You will be able to find the hex file in the following path : **C:\Program Files\Sonatest Limited\DFD Programmer**. There are two folder that identified the type of unit you have **Kestrel HexFiles** and **Falcon HexFiles**.  
 For example: I update a D-series 20+, so I will have to take the following file:  
**C:\Program Files\Sonatest Limited\DFD Programmer - Internal\Kestrel HexFiles\Kestrel V3\ds\_20.hex**



9. When you are done, press the button **Erase & Download**. It will start to upgrade your DFD and you will see the progress bar on the bottom.
10. When it is done, press **Assign Serial Number**. Press button **Disconnect** after, you are done!

### To install Language Package:

- 1- Select **Advanced Download** in the menu Mode.
- 2- Put your unit in Download mode by pressing the button **HELP** when booting the unit.
- 3- Connect your unit to your PC, select the correct Port.
- 4- Set Baud to 57600 and press button **Scan**.
- 5- You will see the button **Scan** turned to **Disconnect**.

In the section Languages, you will be able to select the language you want to download into your unit by pressing the button “...” on each slot. Select the file in the following path depends on your unit:

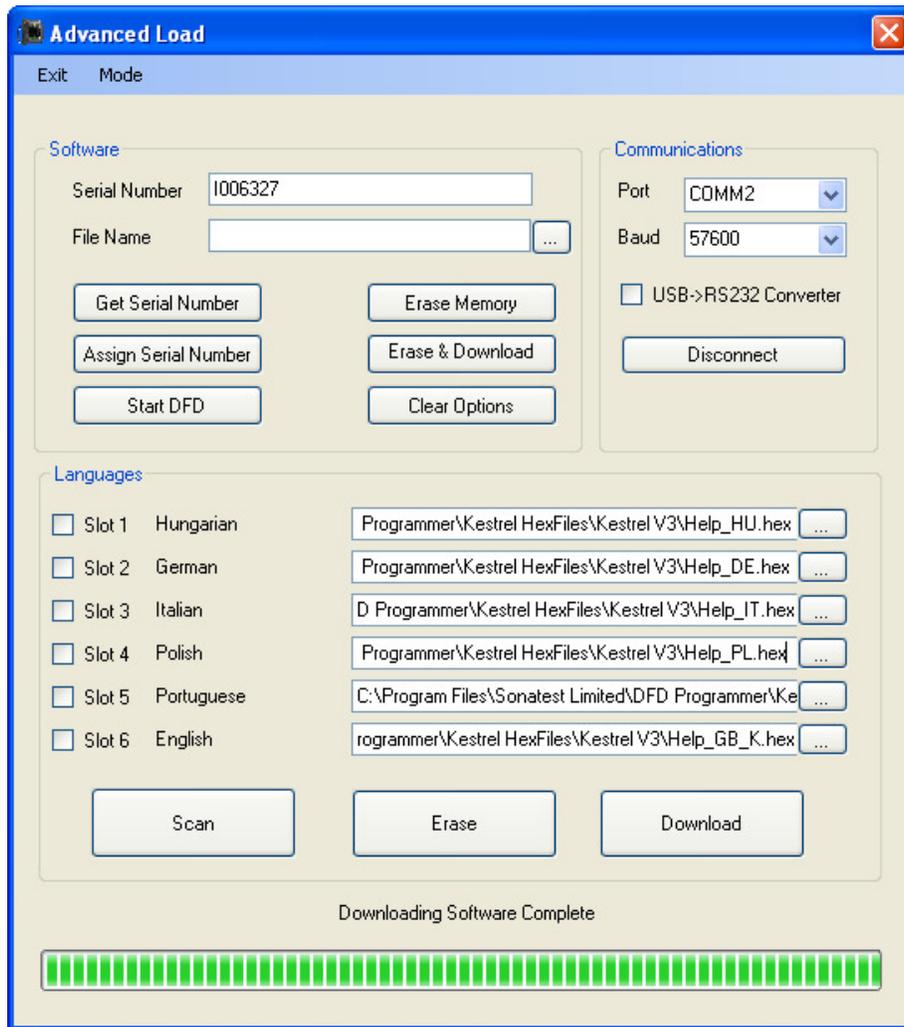
**For D-20, D-20+, D10:** *C:\Program Files\Sonatest Limited\DFD Programmer\Kestrel HexFiles\Kestrel V3*

**For Masterscan and Sitscan :** *C:\Program Files\Sonatest Limited\DFD Programmer\Falcon HexFiles\FALCON V3*

Here the following file that you can select:

- 1- HELP\_CHI = Chinese.
- 2- Help\_CZ = Czech.
- 3- Help\_DE = German.
- 4- Help\_ES = Spanish.
- 5- Help\_FI = Finnish.
- 6- Help\_FR = French.
- 7- Help\_GB\_K = English United kingdom.
- 8- Help\_HU = Hungarian.
- 9- Help\_IT = Italian.
- 10- Help\_PL = Polish.
- 11- HELP\_PT = Portuguese.
- 12- Help\_RU = Russia.

When you are done select the file on each slot you need, you press the button **Download**. Progress bar will show the status and language will be displayed beside the Slot # as follow:



You can press Disconnect when you are done.

When you want to erase a language, you have to select the slot you want to delete and press **Erase**.



Using the button **Scan** will display language available in your unit.