DVNX Upgrade to Firmware Version 2.2.2.5

IMPORTANT! 2.2.2.5 Firmware is ONLY for DVNX units. If you have a DV2T or DV3T please download the appropriate firmware.

These are instructions for upgrading to DVNX Firmware Version 2.2.2.5

Check Firmware Version.

Download Firmware Version 2.2.2.5 and run the executable file.

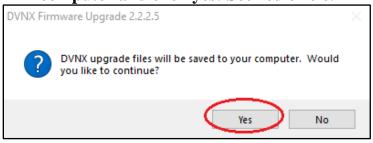
Depending on the browser you are using and your security settings, you may get a few warning screens about downloading exe files from the internet. You should save the file to your computer (usually it defaults to a downloads directory, this is fine). After you have downloaded the file, you will be prompted to run, go ahead, and run it from the browser.

The following image is an example of what you might see if you are running Microsoft Edge: See red circle.

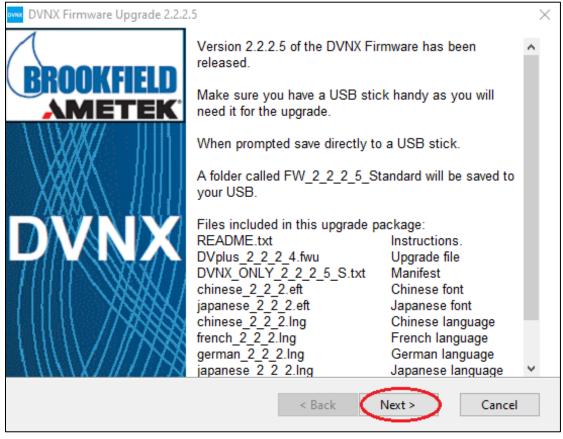


Note: if you are running Chrome, Firefox, or Explorer, you will see different warnings. <u>See Other</u> <u>Warnings</u>.

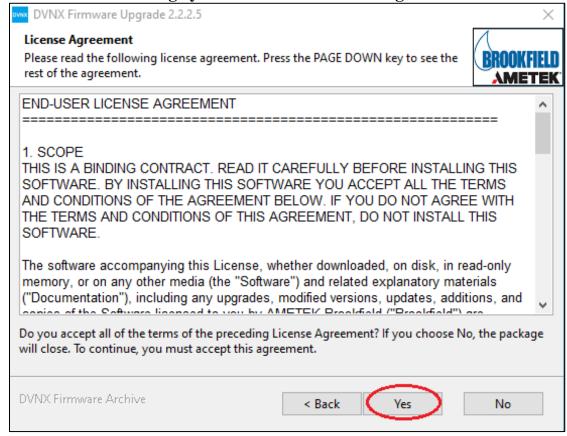
Have a USB stick handy, you will need it for the next few steps. Plug your USB stick into your computer and click yes: See red circle.



Click Next to continue: See red circle.



Click Yes to acknowledge you have read the license agreement: See red circle.



Click Next to continue: See red circle.

DVNX Firmware Upgrade 2.2.2.5	×
Readme Information Please read the following important information:	BROOKFIELD
Brookfield DVNX release notes for firmware version 2.2.2.5	·····
Updates for 2.2.2.5 1. Fix single point averaging shows wrong test parameters	5.
 Known issues in 2.2.2.5 1. Temperature controller needs to be toggled with test condection it will connect reliably. a. Work around: Use "Test Connection" if using terrest controller to ensure it works. 2. A multi-step test that has speed changes between step a spike (or drop) in viscosity until the motor has ramped correct speed. This causes QC warnings to go off uner a. Work around: When changing speeds, add a step with no QC limits enabled. 	emperature os will show d to the xpectedly.
DVNX Firmware Archive < Back	Next > Cancel

Click Browse: See red circle.

DVNX Firmware Upgrade 2.2.2.5		×
Destination Folder for Files Please select the destination folder where the p	ackage should extract the files:	BROOKFIELD
Please select the destination folder:		Browse
DVNX Firmware Archive	< Back Next >	Cancel

Choose top level of USB stick to save the files. Click OK: See red circles.

Browse For Folder	\times
Please select the destination folder:	
> 📃 Desktop	^
> 🔮 Documents	
> 🕂 Downloads	
> 🁌 Music	
> 📰 Pictures	
> 📑 Videos	
> 🏭 Local Disk (C:)	
KINGSTON (F:)	5
< >	
Make New Folder OK Cancel	
Make New Policer	

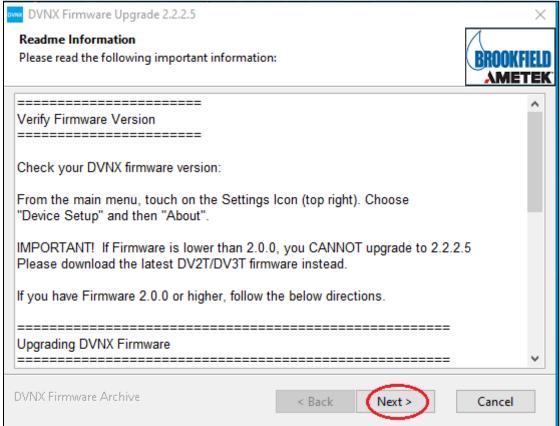
Click Next to extract: See red circle.

DVNX Firmware Upgrade 2.2.2.5	\times
Destination Folder for Files Please select the destination folder where the package should extract the files:	BROOKFIELD
Please select the destination folder:	
F:\	Browse
DVNX Firmware Archive < Back Next >	Cancel

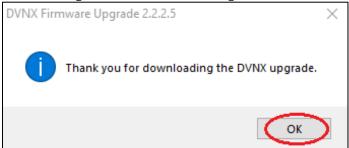
DVNX Firmware Upgrade 2.2.2.5		×
Unpacking Files Please wait while the package files are being ext	tracted onto your computer	BROOKFIELD
		AMETEK
Extracting FW_2_2_2_5_Standard/portuguese_2_	2_2.lng	
DVNX Firmware Archive	< Back Next >	Cancel

Wait for files to be extracted to your USB stick.

Click Next to continue: See red circle.



Click OK to complete the extraction process: See red circle.



Plug your USB stick into the back of the DVNX instrument: See red/pink circle.



Touch the Settings Icon: See red circle. An example is shown here on the top right of the Configure Viscosity Test screen.

1 2 1:4 1 PM	11/09/20 🔬		
Configure Viscosity Test Q			
Unsave	ed Test		
Step 1 of 1 🕂	Torque 6.1%		
Spindle HB-02 (2) 🔰	Speed		
Accessory None 🔰	20.0 грм 🔰		
Temperature Live 23.0 °C Set 25.0 °C	End Condition 00:00:10		
Multi Point 00:00:01	Sample ID 🕕 🔰		
More 🔗			

Touch Admin Functions: See red circle.

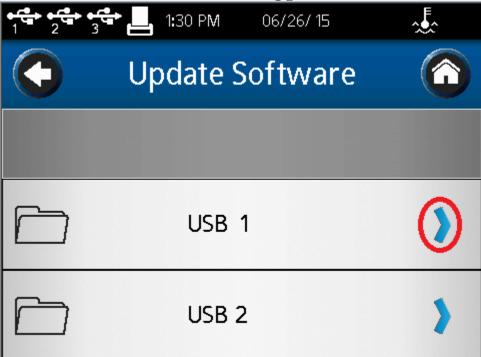
	1:23 PM	06/26/15	
\bigcirc	Sett	ings	
Device Setup			>
User Settings			>
Global Settings			>
Admin Functio	ns		

Touch Update Software: See red circle.

1 2 1:35 PM 11/09/20	
Admin Functions	
Log In and Lock Out	>
Electronic Signatures	>
Users and Access	>
Manage Settings	>
Manage Data	>
Update Software	

IMPORTANT! 2.2.2.5 Firmware is ONLY for DVNX units. If you have a DV2T or DV3T please download the appropriate firmware.

Touch the USB folder that has the upgrade files: See red circle.



Touch DVNX_ONLY_2_2_5_S.txt: See red circle.

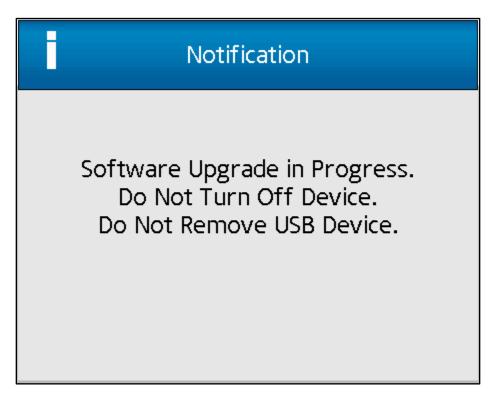


Touch OK: See red circle.



Wait for the upgrade to complete. This may take a while.

Do not unplug the USB or turn off the instrument!



Click OK. Reboot instrument.

(Turn off the instrument; wait a couple seconds then turn it back on): See red circle.

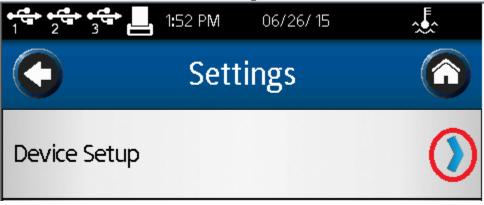


Check Firmware Version

Touch the Settings Icon: see red circle. An example is shown here on the top right of the Configure Viscosity Test screen.

1 2 3 1:21 PM	06/26/15 🎿		
Configure Viscosity Test			
Unsaved Test			
Step 1 of 2 🔰	Torque 6.2 %		
Spindle	Speed		
CP-41(41) 🔰	8.0 rpm 🔰		
Temperature	End Condition		
Live 24.0 °C Set 25.0 °C	00:00: 10 🔰		

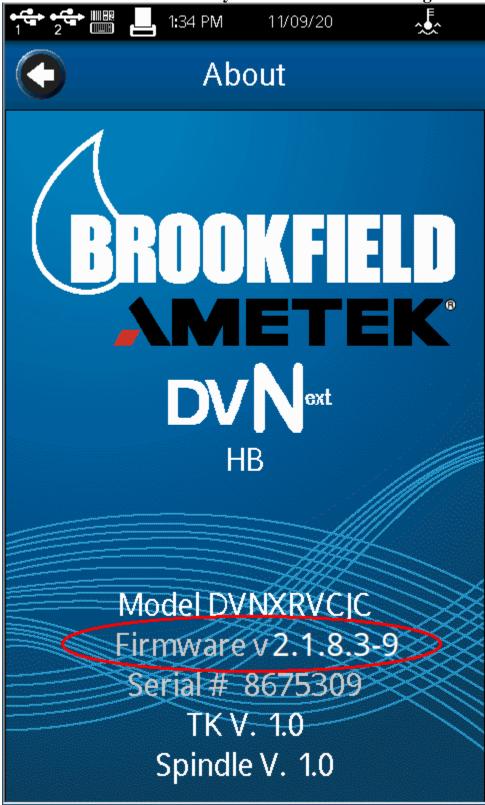
Touch Device Setup: see red circle.



Touch About: see red circle.

1:53 PM 06.	/26/ 15 🛛 🔬
C Device Se	tup 🙆
Temperature	>
Printer Setup	>
Auto Zero	>
Oscillation Check	>
Technical Support Info	>
About	

Take note of which Firmware Version your instrument is running. See red circle*.



*Note: This image shows firmware version 2.1.8.3; the latest version is 2.2.2.5.

Return to Instructions

Warnings and Pop-up Messages

Microsoft Edge

An example of what you might see if you are running Microsoft Edge: See red circle.



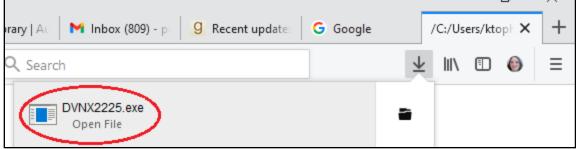
Chrome An example of what you might see if you are running Chrome: See red circles.

	nis type of file can harm you o you want to keep DVNX222	Keep Discard
		Open
		Always open files of this type
		Show in folder
		Cancel
ovex [DVNX2225.exe	~

Firefox An example of what you might see if you are running Firefox: See red circles.

Opening DVNX2225.exe	×
You have chosen to open:	
DVNX2225.exe	
which is: exe File (8.6 MB)	
from: C:\Users\ktopham\Desktop\DVT\web_new\	
Would you like to save this file?	
Save File Cancel	

👈 Enter name of file to	save to					×
← → ~ ↑ ↓ >	This PC Downloads	~	Ō		ownloads	
Organize 👻 New	folder					?
 ✓		No items match)ate mod your sear		Туре	
📰 Pictures 🛛 🖈	v <					>
File name:	DVNX2225.exe					~
Save as type: e	xe File (*.exe)					~
∧ Hide Folders				Save	Cancel	
				- 0	\times	



Return to Instructions