# **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.

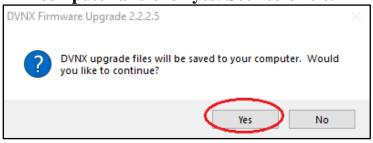
Depending on the browser you are using and your security settings, you may get a few warning screens about downloading exe files from the internet. You should save the file to your computer (usually it defaults to a downloads directory, this is fine). After you have downloaded the file, you will be prompted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

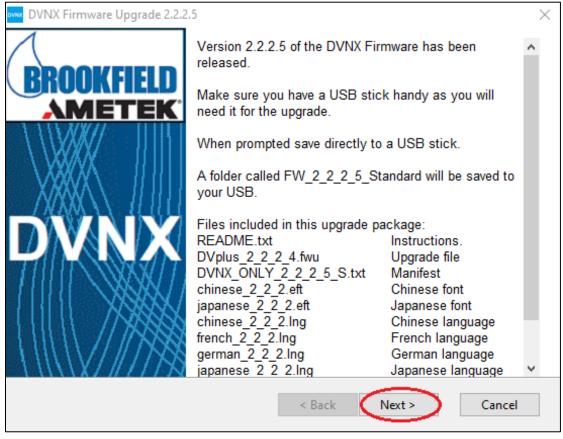


Note: if you are running Chrome, Firefox, or Explorer, you will see different warnings. <u>See Other</u> <u>Warnings</u>.

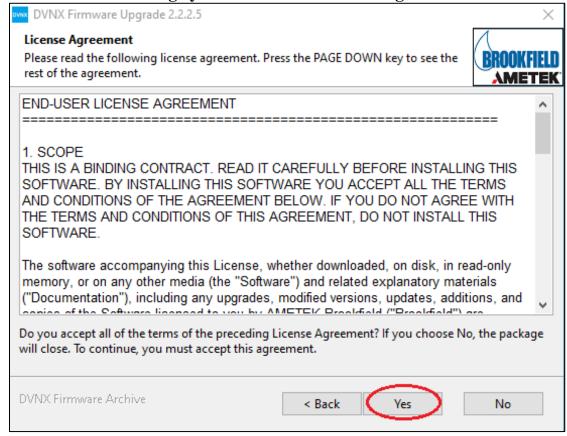
Have a USB stick handy, you will need it for the next few steps. Plug your USB stick into your computer and click yes: See red circle.



#### 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	×
<b>Readme Information</b> 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.
<ul> <li>Known issues in 2.2.2.5</li> <li>1. Temperature controller needs to be toggled with test condection it will connect reliably.</li> <li>a. Work around: Use "Test Connection" if using terrest controller to ensure it works.</li> <li>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.</li> </ul>	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		×
<b>Destination Folder for Files</b> 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	

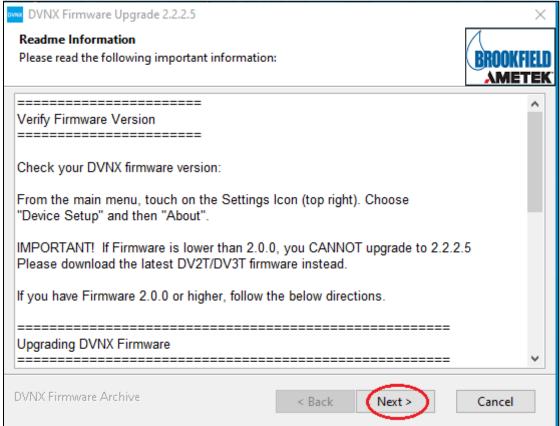
## Click Next to extract: See red circle.

DVNX Firmware Upgrade 2.2.2.5	$\times$
<b>Destination Folder for Files</b> 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

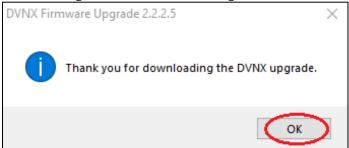
DVNX Firmware Upgrade 2.2.2.5		×
<b>Unpacking Files</b> Please wait while the package files are being ext	tracted onto your computer	BROOKFIELD
		AMETEK
Extracting FW_2_2_2_5_Standard/portuguese_2_	2_2.lng	
DVNX Firmware Archive	< Back Next >	Cancel

#### 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.**

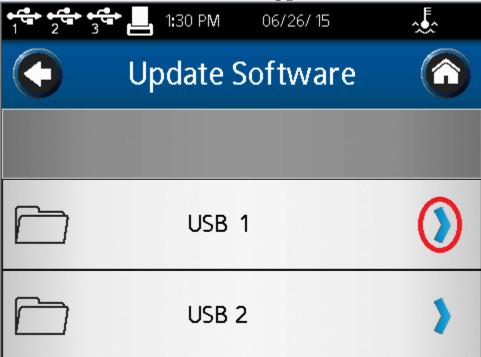
	1:23 PM	06/26/15	
$\bigcirc$	Sett	ings	
Device Setup			>
User Settings			>
Global Settings			>
Admin Functio	ns		

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.

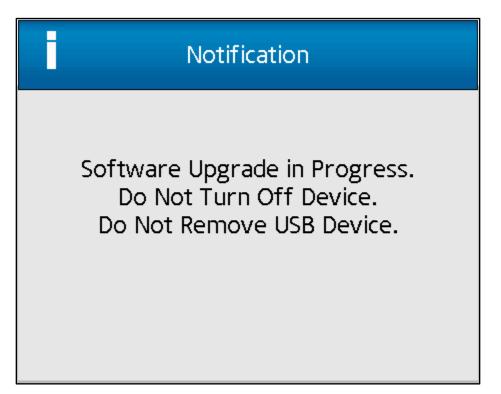


Touch OK: See red circle.



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.

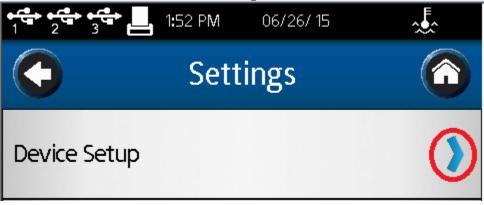


# **Check Firmware Version**

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 🔰		

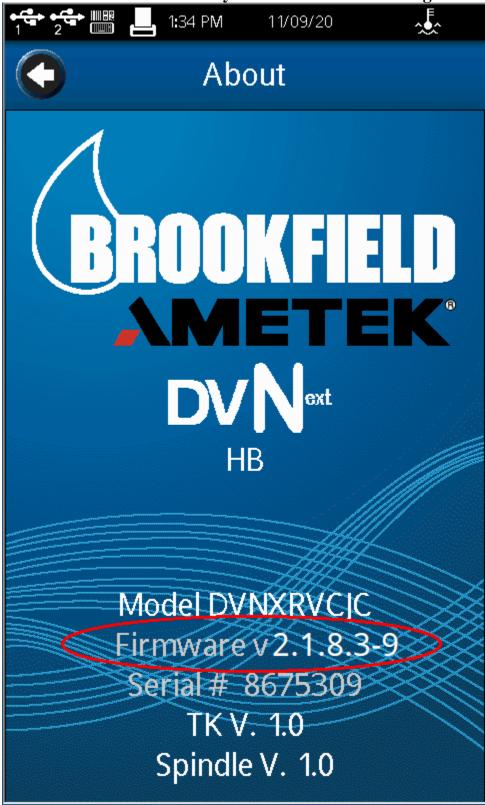
### Touch Device Setup: see red circle.



## 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.



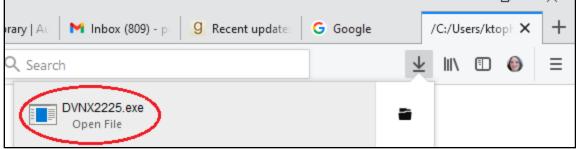
### **Chrome** An example of what you might see if you are running Chrome: See red circles.

	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					?
<ul> <li>✓</li></ul>		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**