

DVNX Upgrade to Firmware Version 2.2.0

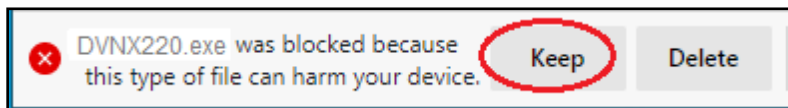
IMPORTANT! 2.2.0 Firmware is ONLY for DVNX units. If you have a DV2T or DV3T please download the appropriate firmware.

These are instructions for upgrading to DVNX Firmware Version 2.2.0.
[Check Firmware Version.](#)

Download Firmware Version 2.2.0 and run the executable file.

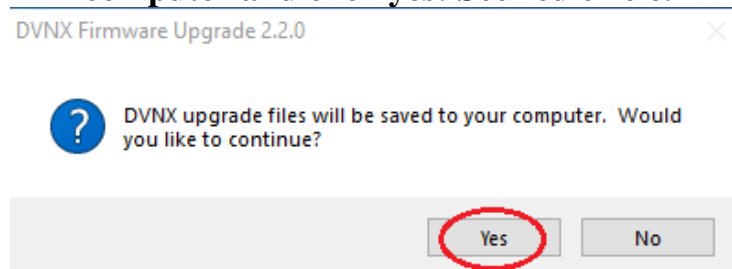
Depending on the browser you are using and your security settings, you may get a few warning screens about downloading exe files from the internet. You should save the file to your computer (usually it defaults to a downloads directory, this is fine). After you have downloaded the file, you will be prompted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

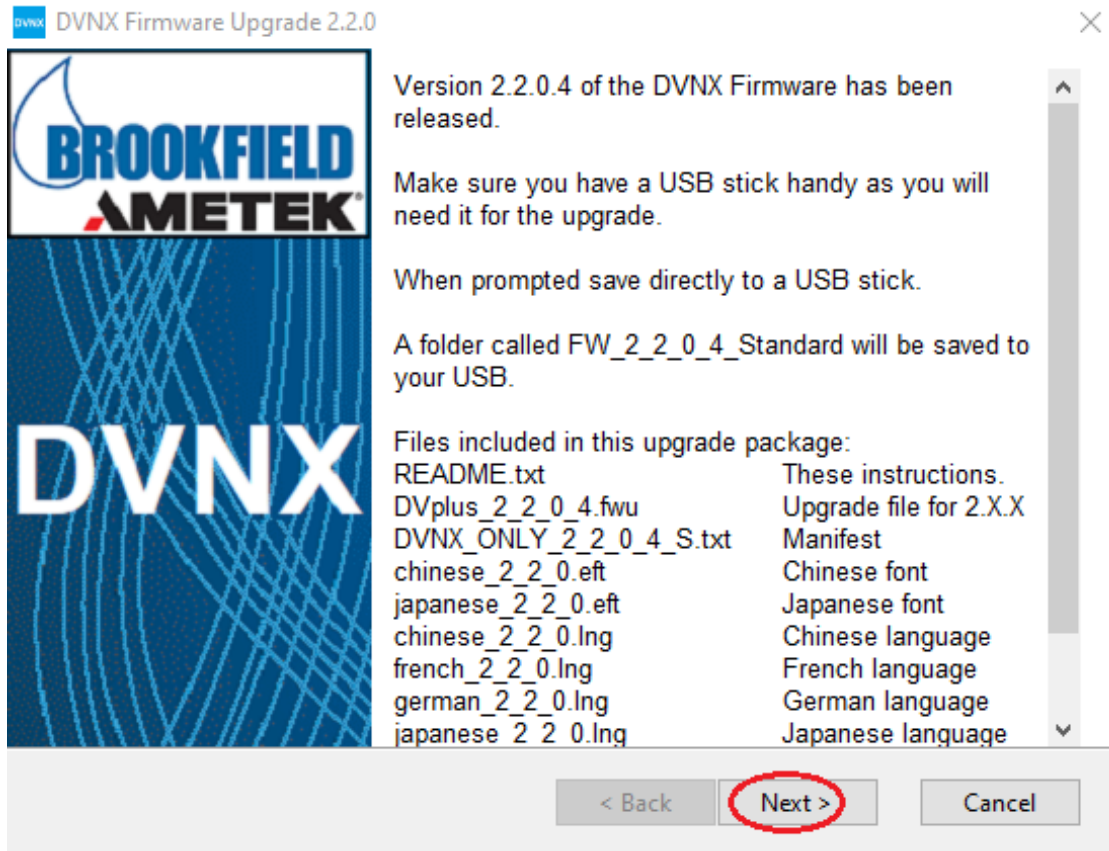


Note: if you are running Chrome, Firefox, or Explorer, you will see different warnings. [See Other Warnings.](#)

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.



DVNX Firmware Upgrade 2.2.0

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DVNX

Version 2.2.0.4 of the DVNX Firmware has been released.

Make sure you have a USB stick handy as you will need it for the upgrade.

When prompted save directly to a USB stick.

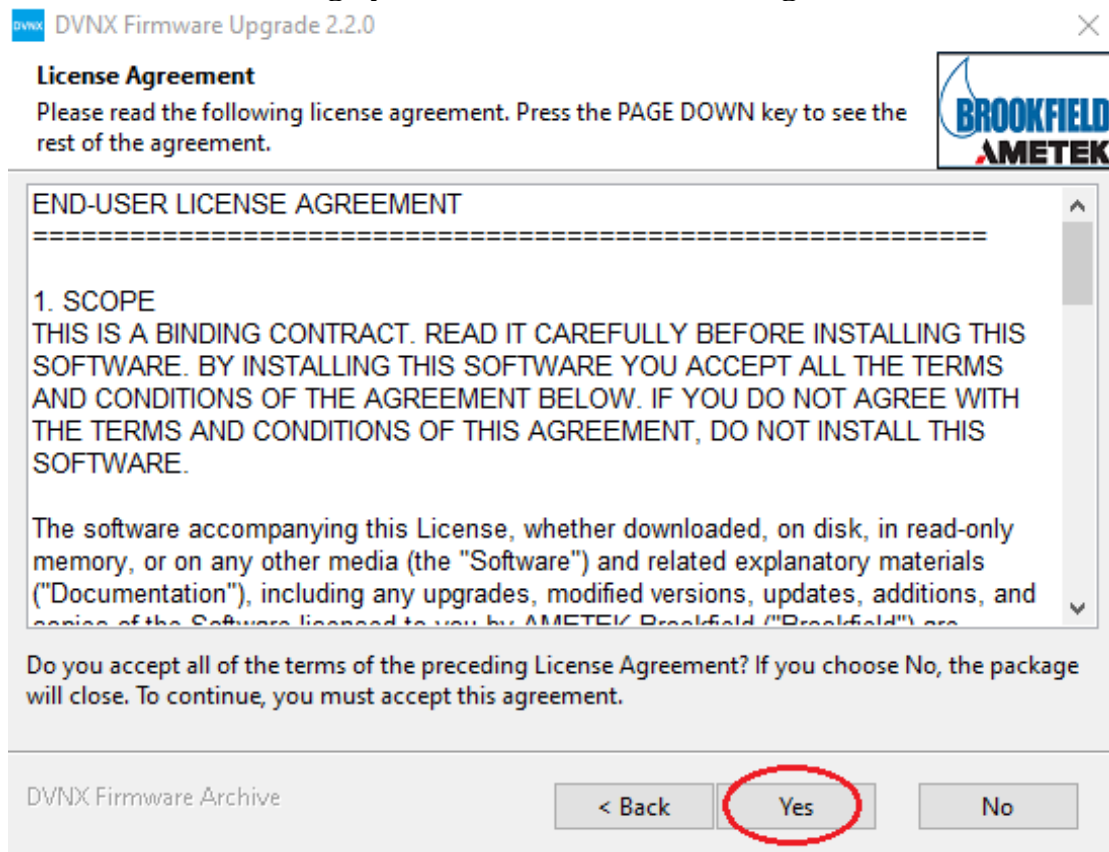
A folder called FW_2_2_0_4_Standard will be saved to your USB.

Files included in this upgrade package:

README.txt	These instructions.
DVplus_2_2_0_4.fwu	Upgrade file for 2.X.X
DVNX_ONLY_2_2_0_4_S.txt	Manifest
chinese_2_2_0.eft	Chinese font
japanese_2_2_0.eft	Japanese font
chinese_2_2_0.lng	Chinese language
french_2_2_0.lng	French language
german_2_2_0.lng	German language
japanese_2_2_0.lng	Japanese language

< Back **Next >** Cancel

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



DVNX Firmware Upgrade 2.2.0

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License Agreement

Please read the following license agreement. Press the PAGE DOWN key to see the rest of the agreement.

END-USER LICENSE AGREEMENT

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1. SCOPE

THIS IS A BINDING CONTRACT. READ IT CAREFULLY BEFORE INSTALLING THIS SOFTWARE. BY INSTALLING THIS SOFTWARE YOU ACCEPT ALL THE TERMS AND CONDITIONS OF THE AGREEMENT BELOW. IF YOU DO NOT AGREE WITH THE TERMS AND CONDITIONS OF THIS AGREEMENT, DO NOT INSTALL THIS SOFTWARE.

The software accompanying this License, whether downloaded, on disk, in read-only memory, or on any other media (the "Software") and related explanatory materials ("Documentation"), including any upgrades, modified versions, updates, additions, and copies of the Software licensed to you by AMETEK Brookfield ("Brookfield") are

Do you accept all of the terms of the preceding License Agreement? If you choose No, the package will close. To continue, you must accept this agreement.


DVNX Firmware Archive

< Back **Yes** No

Click Next to continue: See red circle.

DVNX DVNX Firmware Upgrade 2.2.0 ×

Readme Information
Please read the following important information:



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Brookfield DVNX release notes for firmware version 2.2.0

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Updates for 2.2.0

1. Updated motor driver

Known issues in 2.2.0

1. Temperature controller needs to be toggled with test connection before it will connect reliably.
 - a. Work around: Use "Test Connection" if using temperature controller to ensure it works.
2. A multi-step test that has speed changes between steps will show a spike (or drop) in viscosity until the motor has ramped to the correct speed. This causes QC warnings to go off unexpectedly.


DVNX Firmware Archive

< Back Next > Cancel

Click Browse: See red circle.

DVNX DVNX Firmware Upgrade 2.2.0 ×

Destination Folder for Files
Please select the destination folder where the package should extract the files:



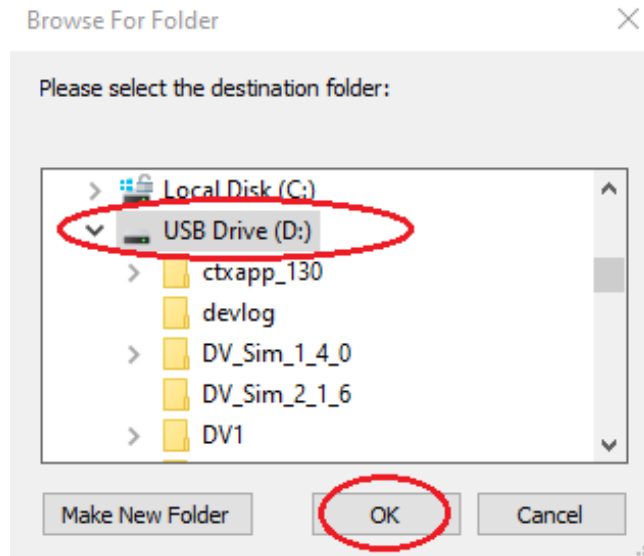
Please select the destination folder:

Browse

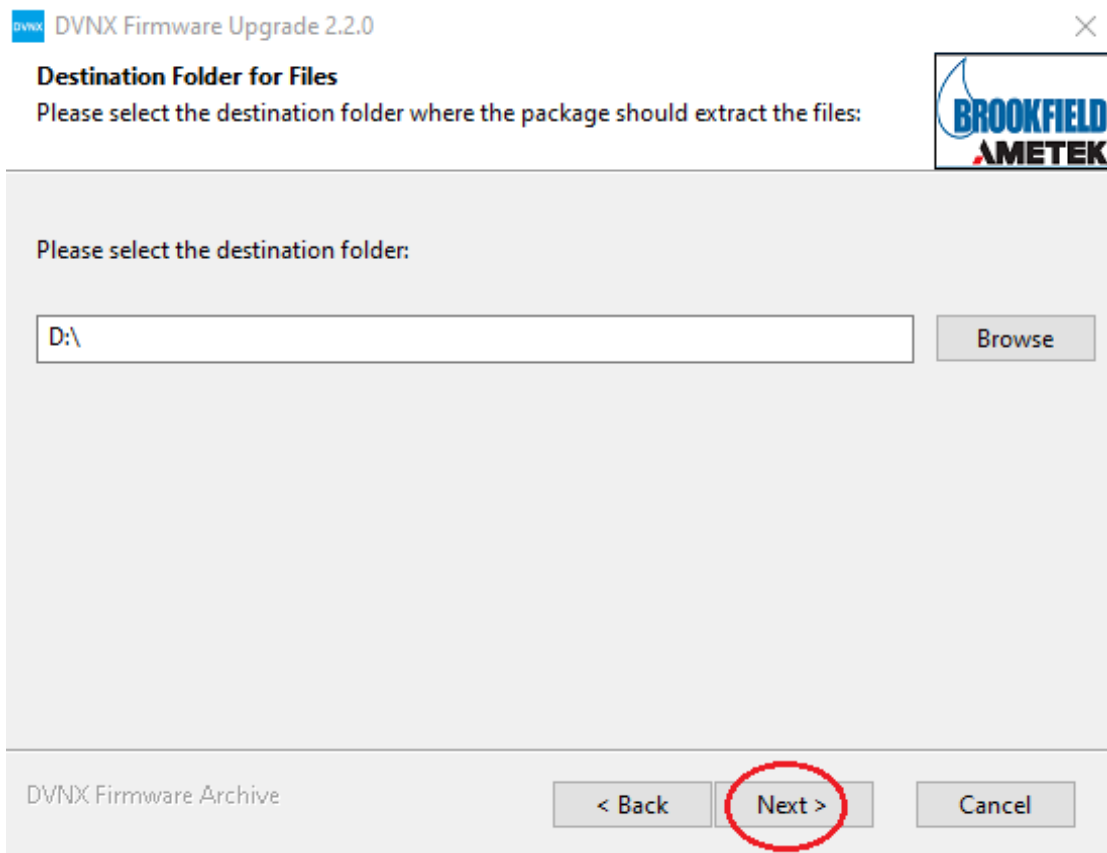
DVNX Firmware Archive

< Back Next > Cancel

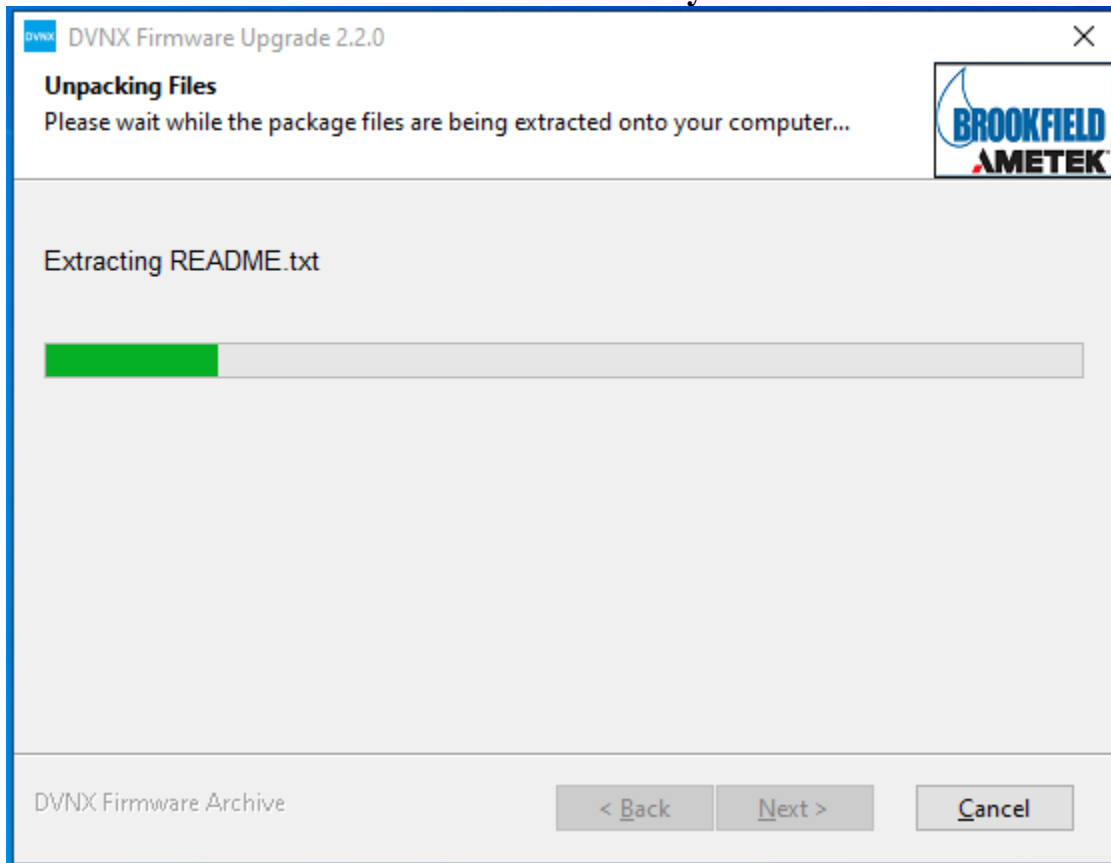
Choose top level of USB stick to save the files. Click OK: See red circles.



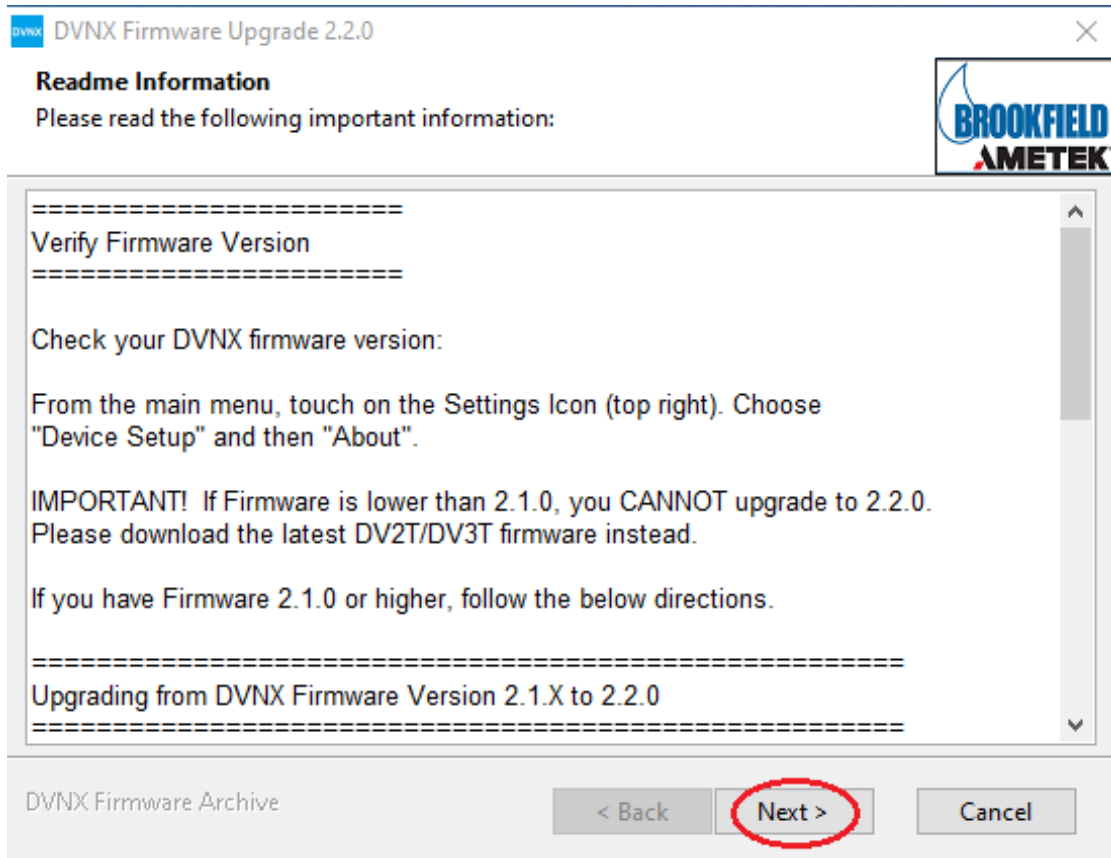
Click Next to extract: See red circle.



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.

DVNX Firmware Upgrade 2.2.0



Thank you for downloading the DVNX upgrade.

OK

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

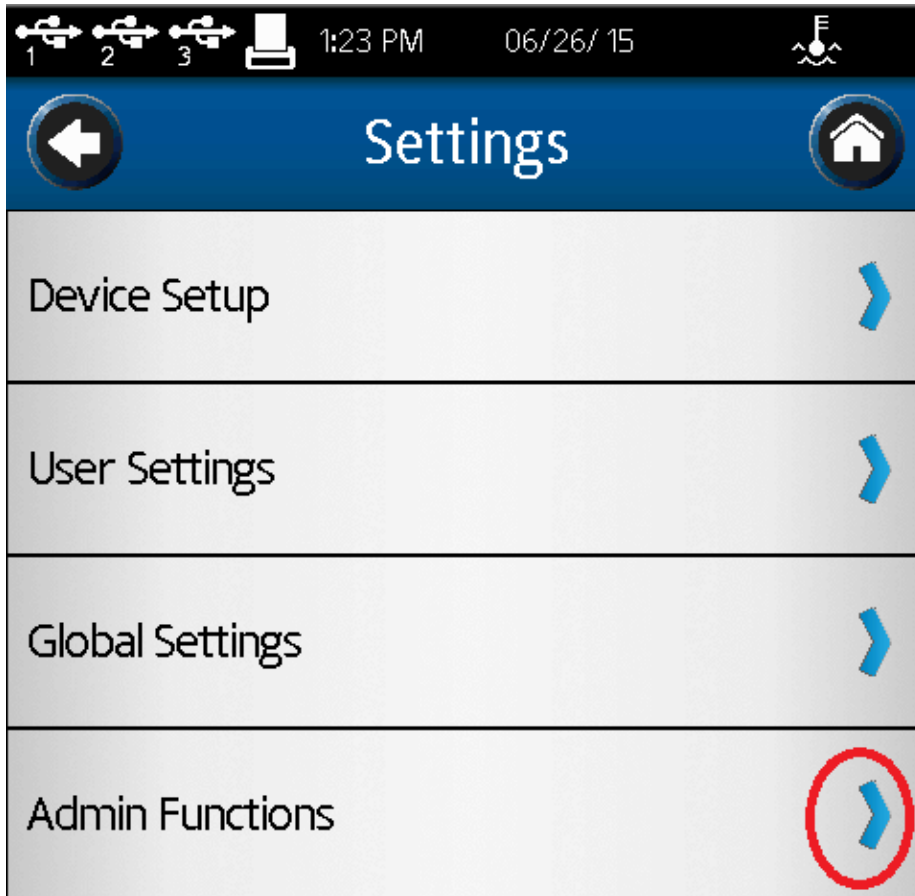


Touch the Settings Icon: See red circle.
An example is shown here on the top right of the Configure Viscosity Test screen.

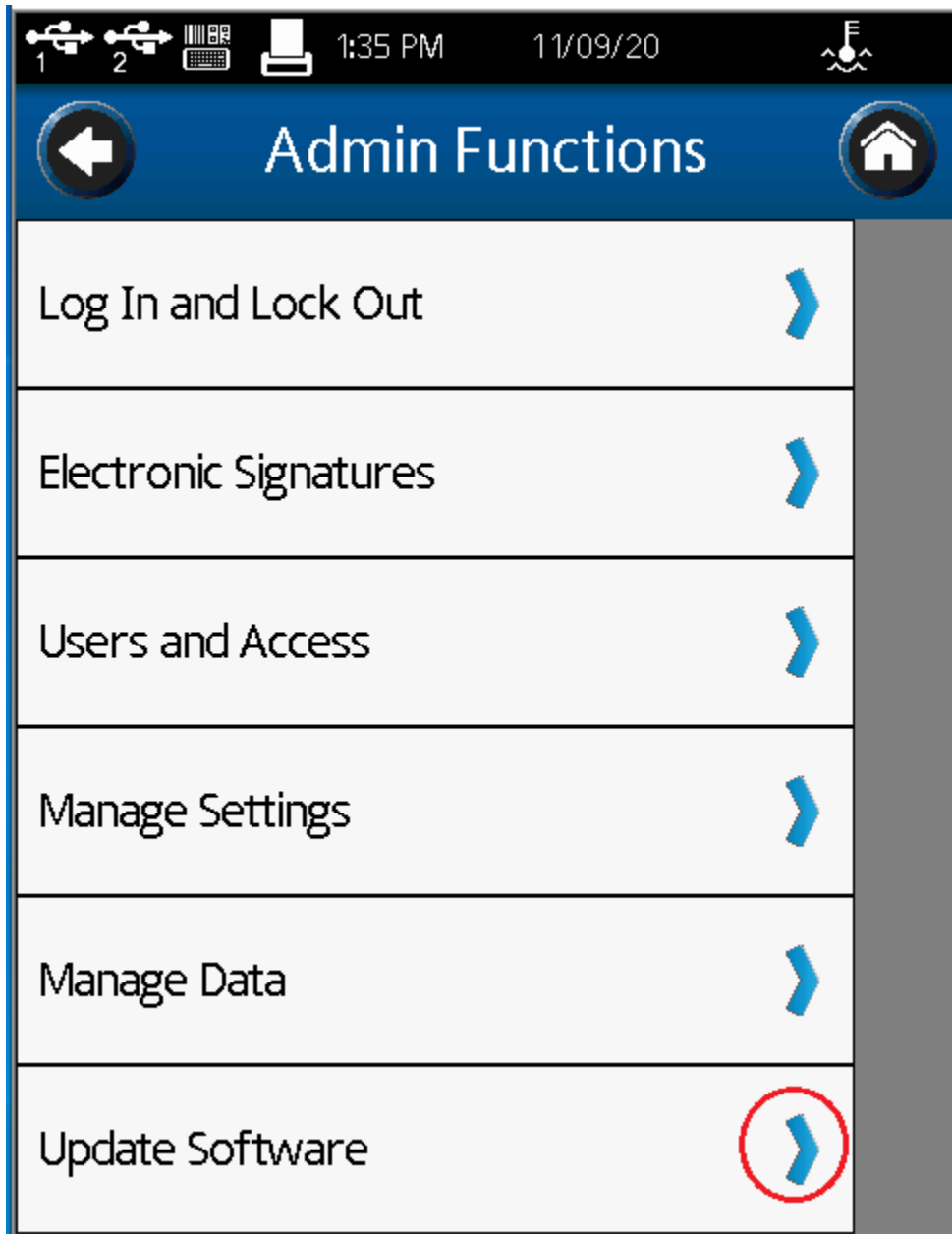
Unsaved Test	
Step 1 of 1	Torque 6.1 %
Spindle HB-02 (2)	Speed
Accessory None	20.0 RPM
Temperature Live 23.0 °C Set 25.0 °C	End Condition 00:00:10
Multi Point 00:00:01	Sample ID

More

Touch Admin Functions: See red circle.

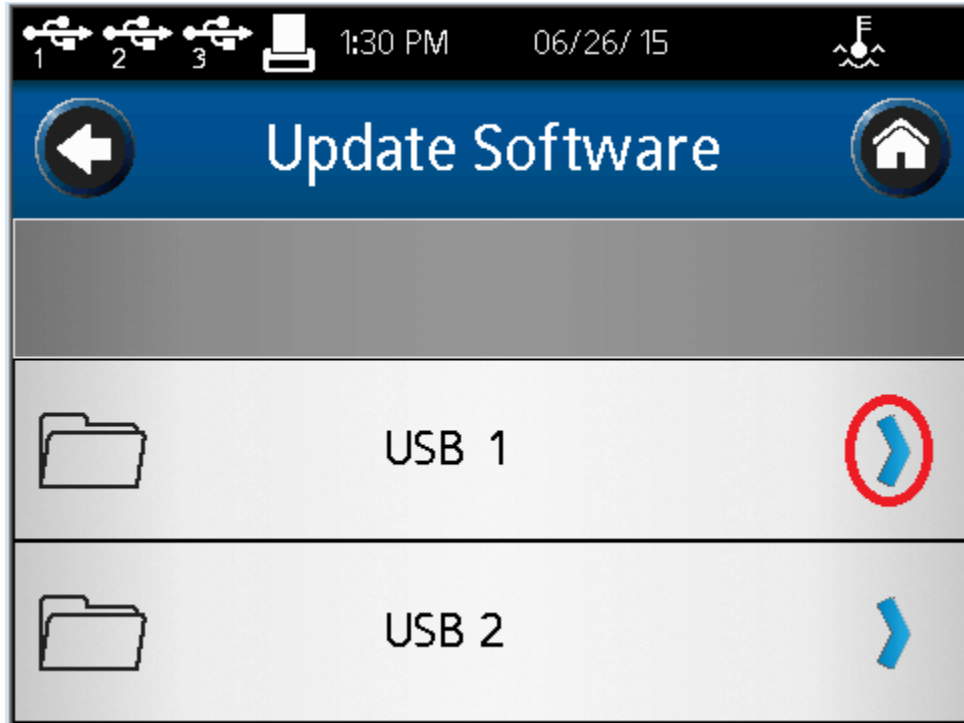


Touch Update Software: See red circle.

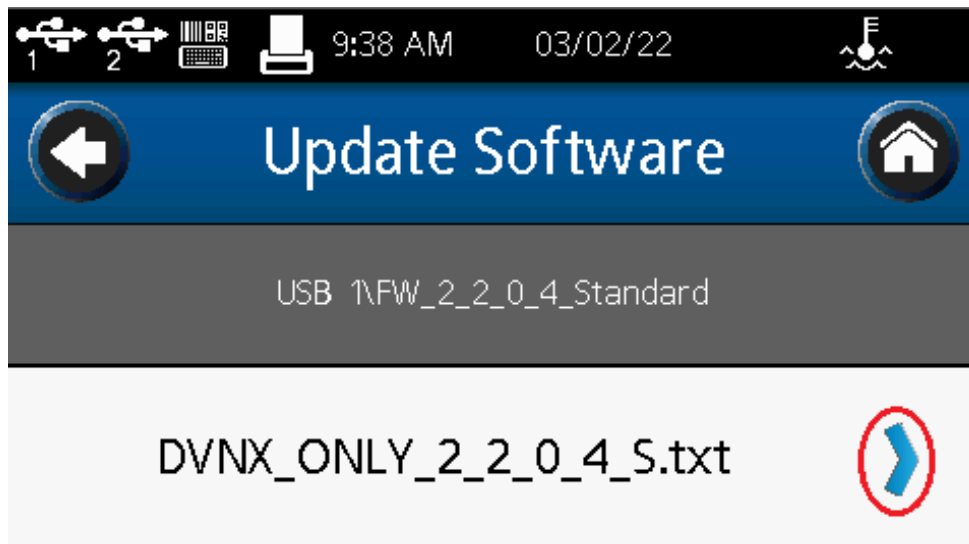


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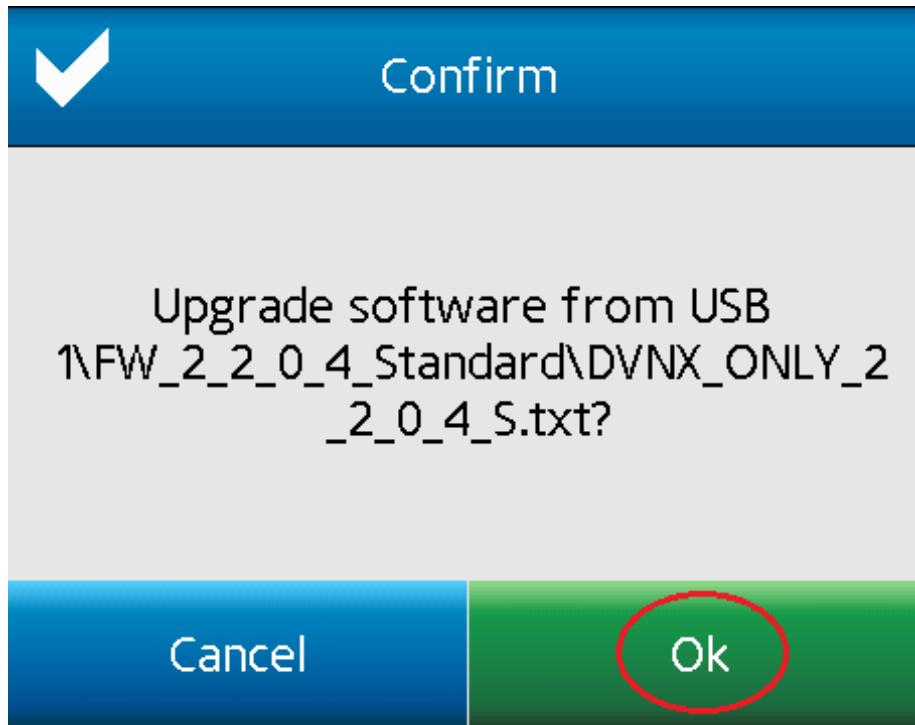
Touch the USB folder that has the upgrade files: See red circle.



Touch DVNX_ONLY_2_0_2_4_S.txt: See red circle.

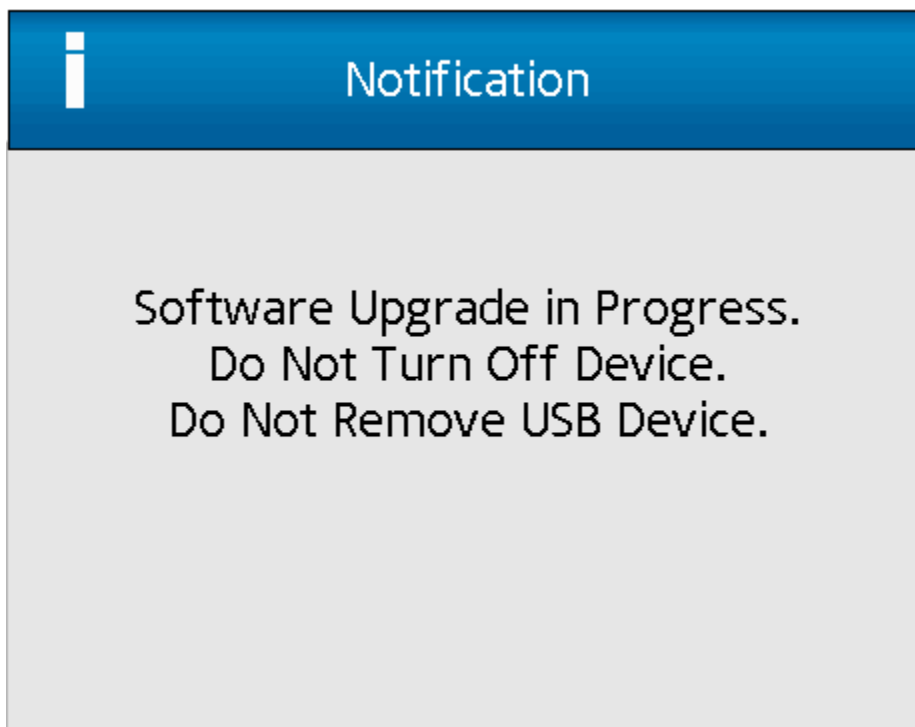


Touch OK: See red circle.



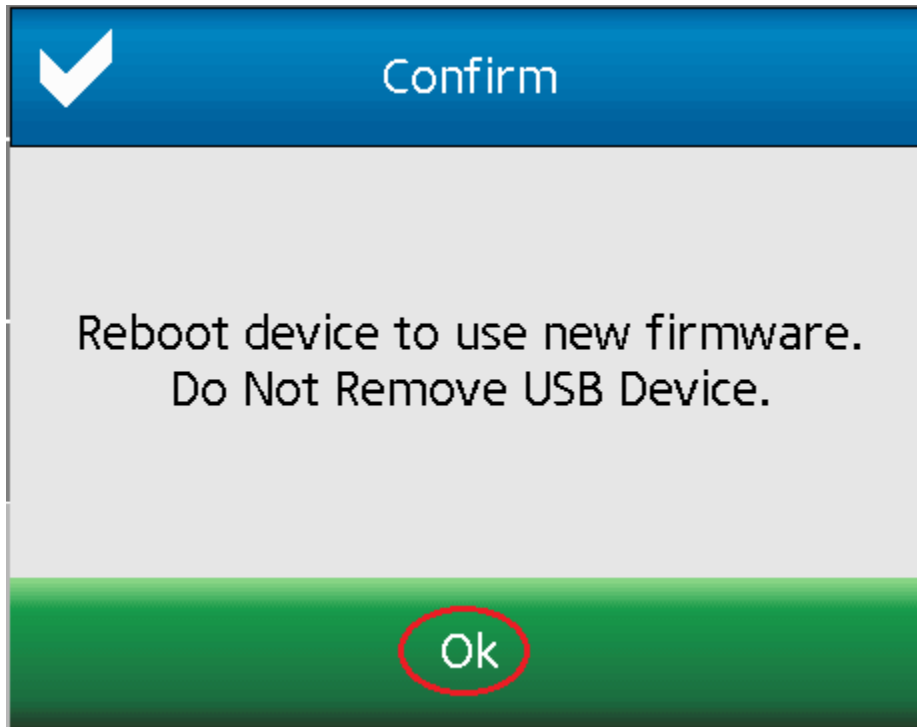
Wait for the upgrade to complete. This may take a while.

Do not unplug the USB or turn off the instrument!



Click OK. Reboot instrument.

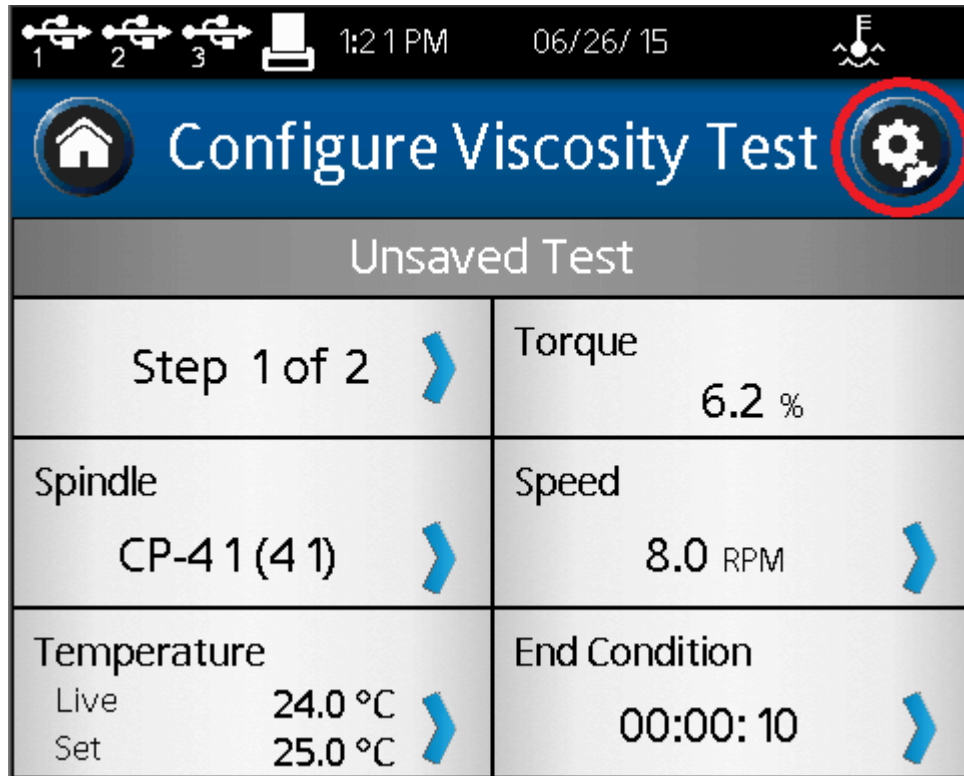
(Turn off the instrument; wait a couple seconds then turn it back on): See red circle.



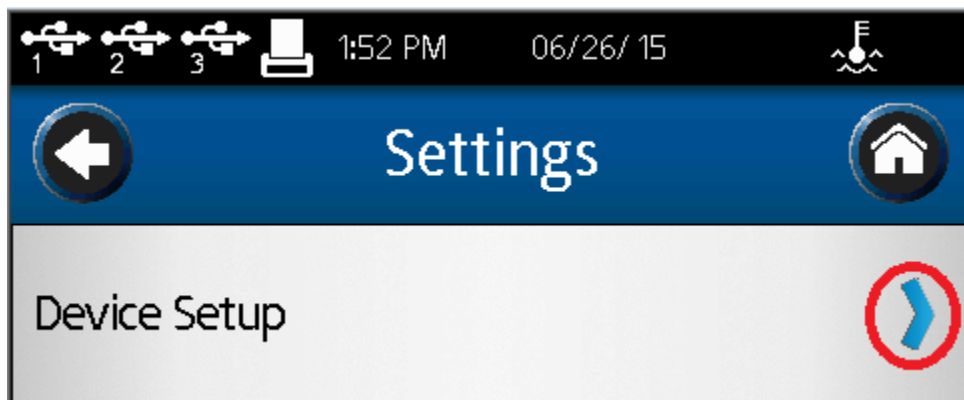
Check Firmware Version

Touch the Settings Icon: see red circle.

An example is shown here on the top right of the Configure Viscosity Test screen.



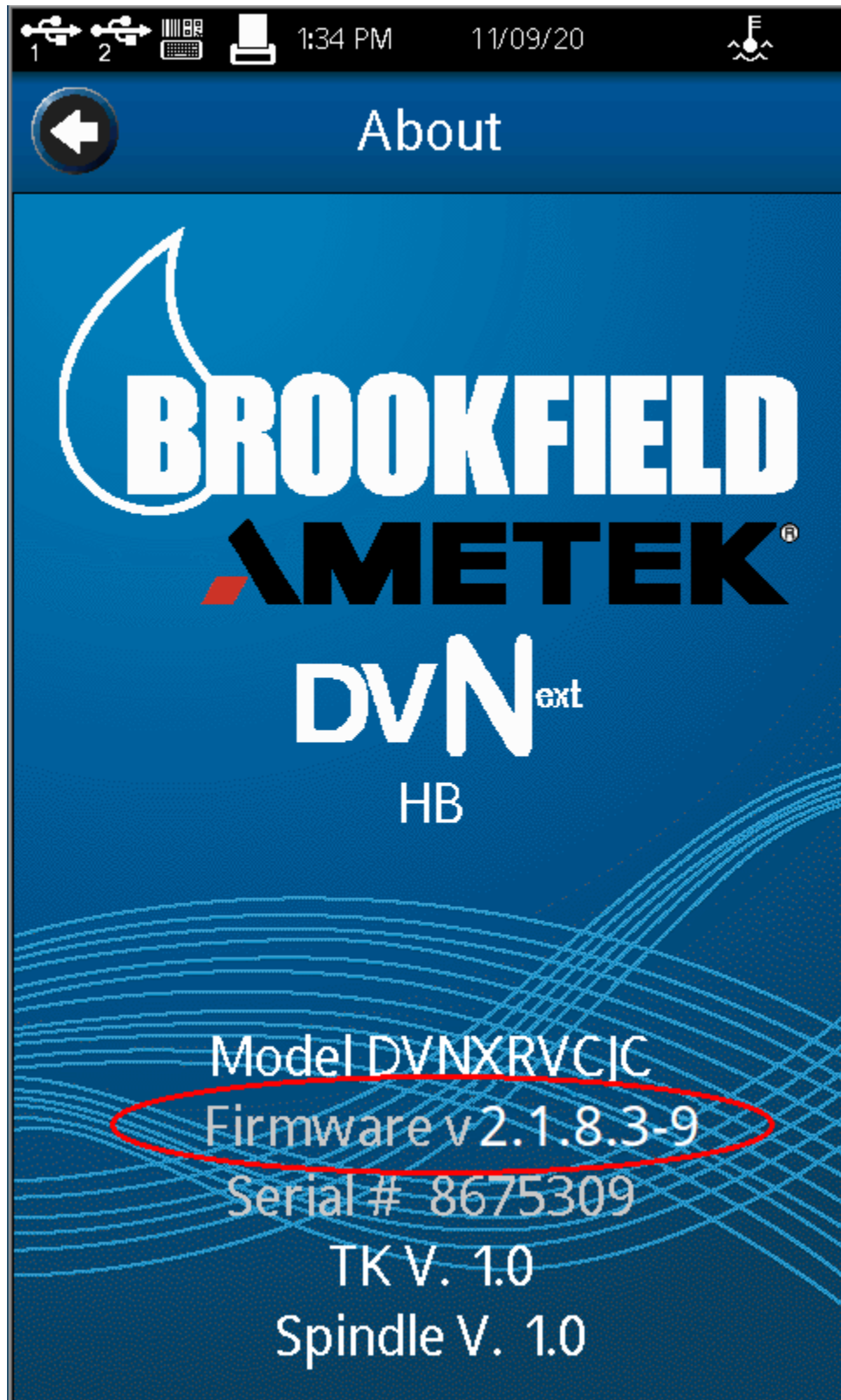
Touch Device Setup: see red circle.



Touch About: see red circle.



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

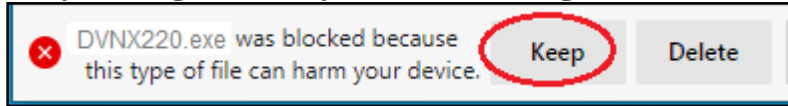


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Warnings and Pop-up Messages

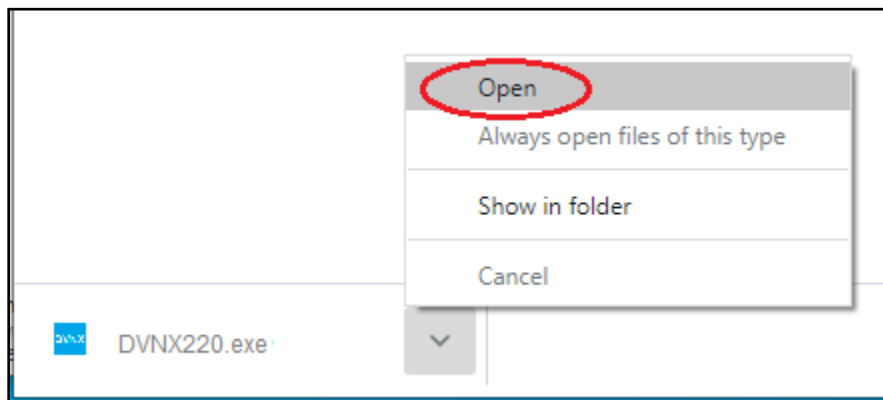
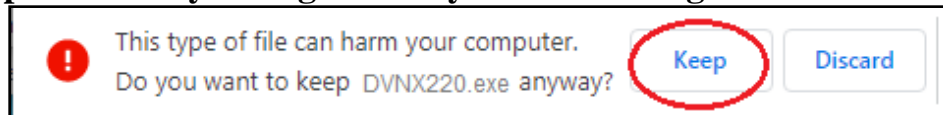
Microsoft Edge

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



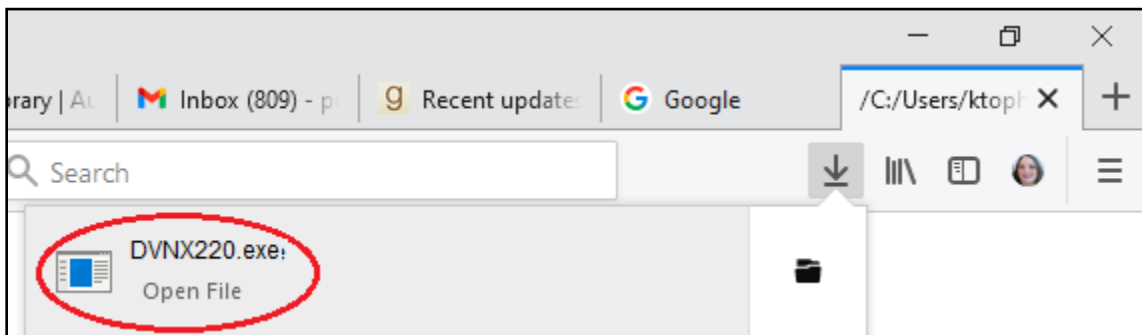
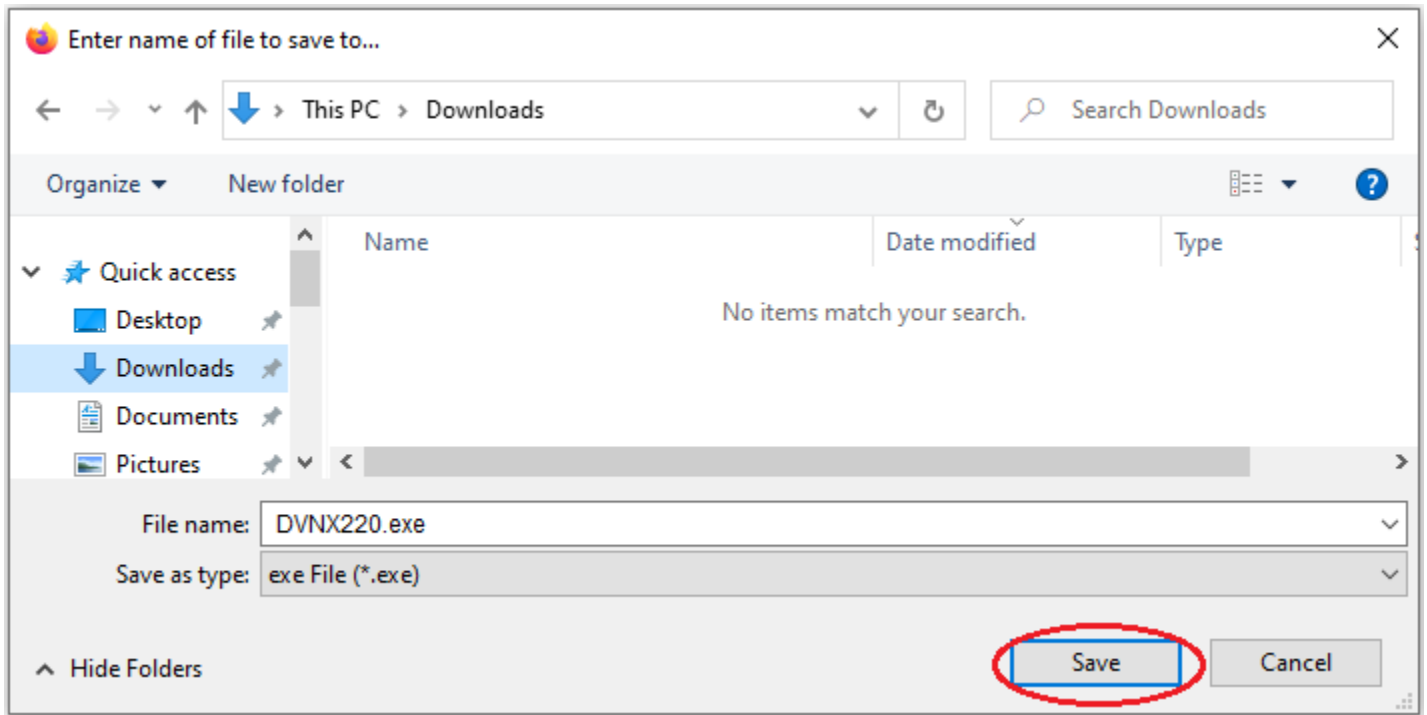
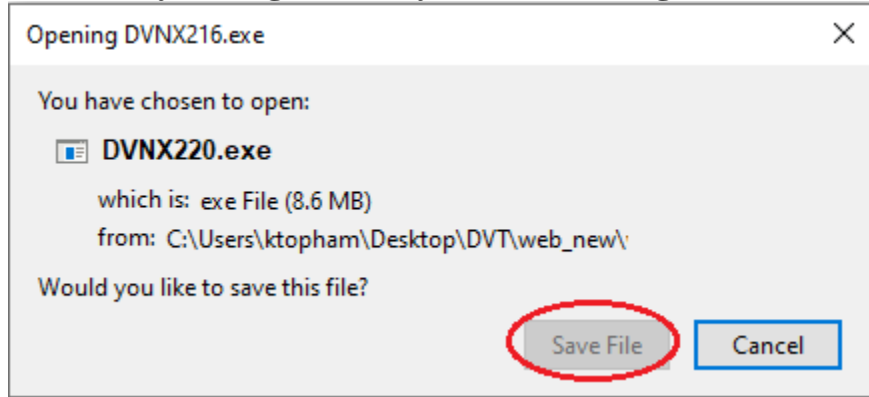
Chrome

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



Firefox

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



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