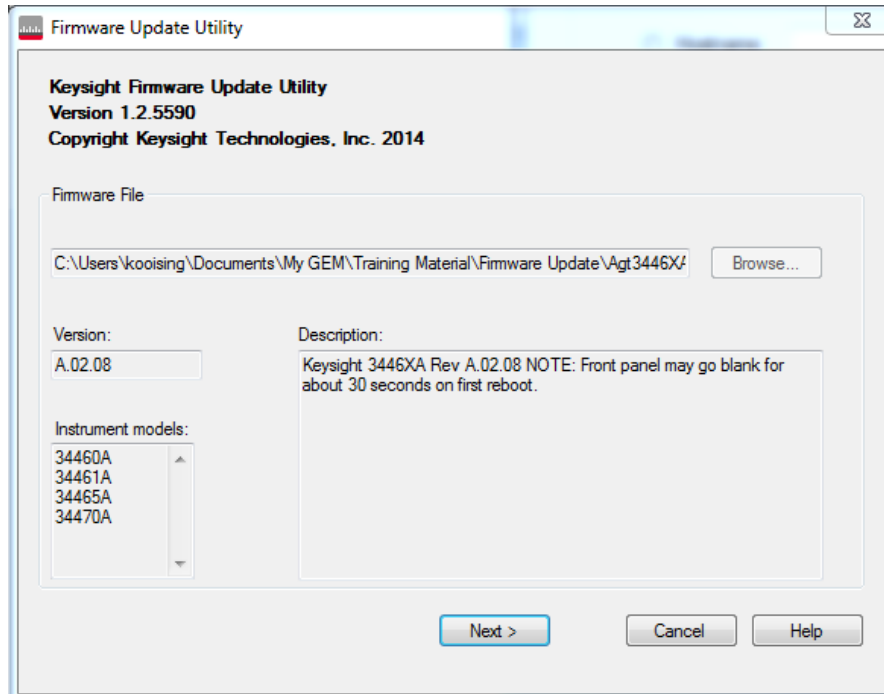


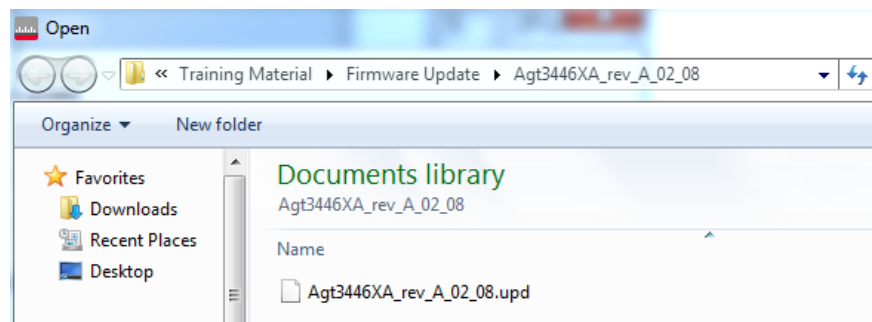
Front Panel USB Port Firmware Update Instructions

To perform 3446xA DMM firmware updates using a USB drive, files must be extracted from the standard .upd update file before the USB drive is inserted into 3446xA DMM front panel. Firmware updates are downloaded from the K.com webpage as zipped “.upd” files. To update the firmware from the USB drive, you must run the Firmware Update Utility to extract the “build.xml” and “Nk.bin” files onto the USB drive.

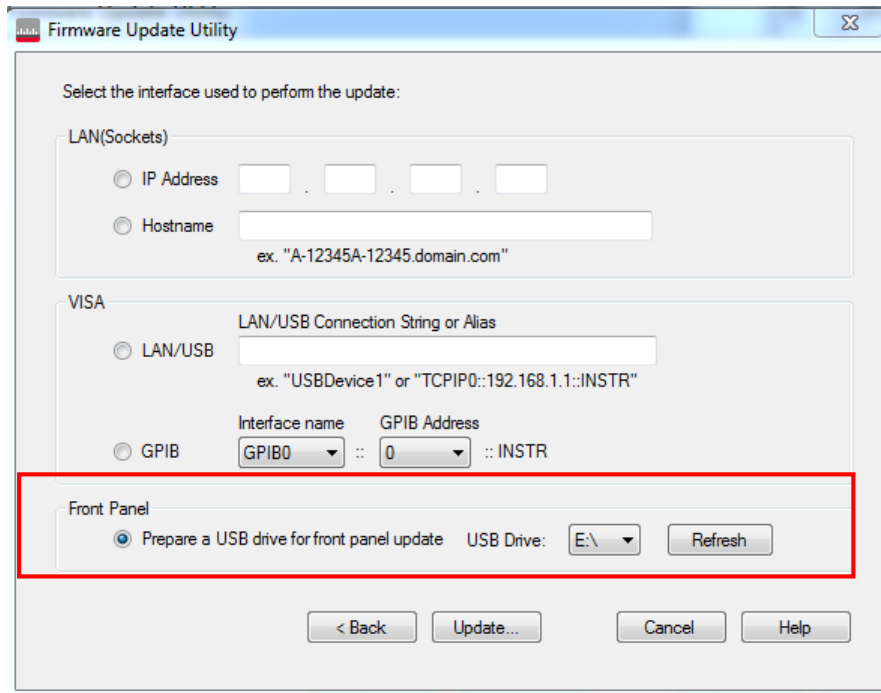
1. Run the Firmware Update Utility.



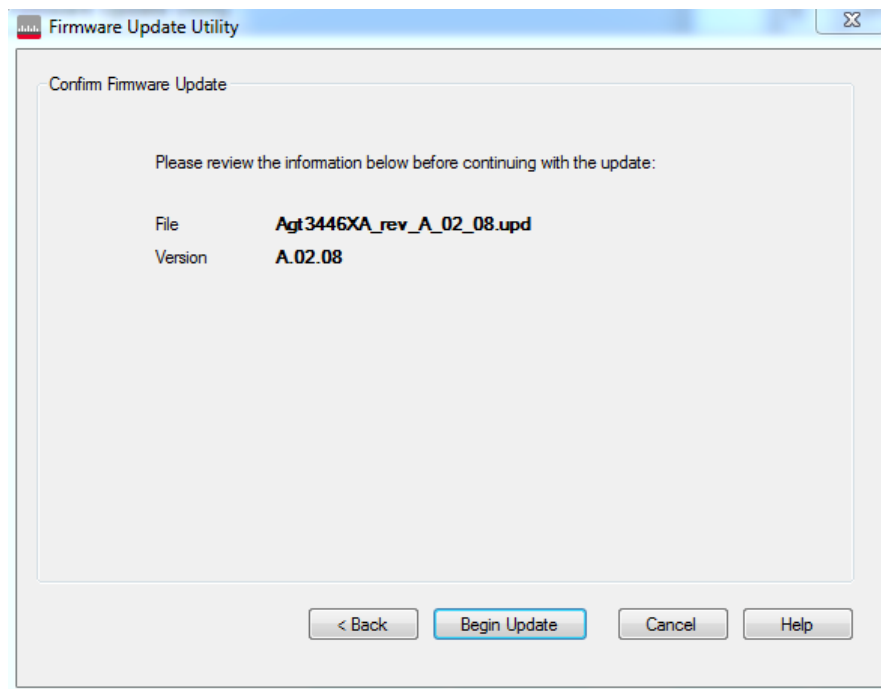
2. Click the “Browse” button to locate the (extracted) .upd file downloaded to the PC. For example, the extracted revision 2.08 upd file is “Agt3446XA_rev_A_02_08.upd”.



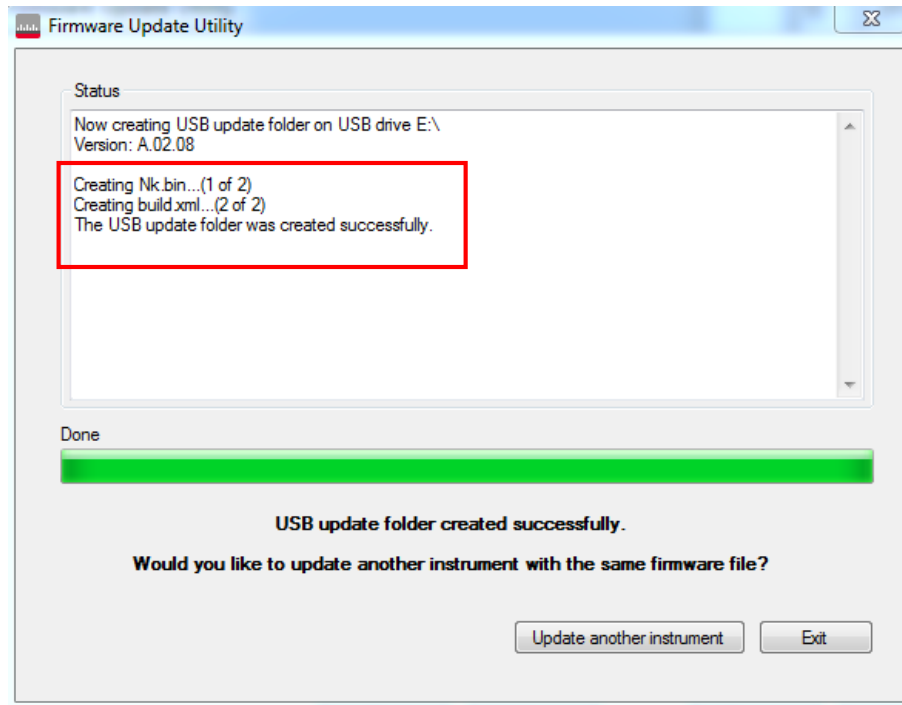
3. Click “Next” to proceed.
4. Insert a USB drive into the PC. Select “Front Panel” as the interface used to perform the firmware update. Click the “Refresh” button and select the location of the USB Drive (E:\) as shown below.



5. Click "Update" after the refresh is complete.



6. Verify the firmware version to which you are updating. Click "Begin Update".
7. The message: "USB update folder created successfully" is displayed after the build.xml and Nk.bin files are extracted.



8. Note that the files are extracted to the USB update folder "**34461A**" on the drive. DO NOT rename this folder. The folder **must** be named **34461A** regardless of the model number (34460A, 34461A, 34465A, 34470A) updated.
9. Remove the USB drive from the PC and insert it in the DMM front panel USB port.
10. Begin firmware update by pressing: Shift – Utility – Test/Admin – Firmware Update
11. If your DMM contains security option SEC, unlock DMM with security code by pressing: Shift – Utility – Test/Admin – Security – Secure Code