

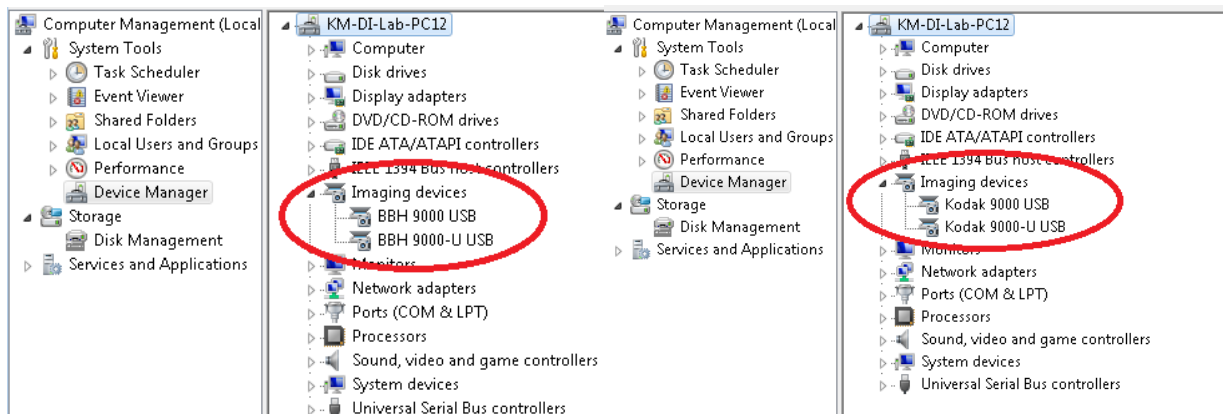
# Instructions for upgrading firmware on an Ngenuity Scanner.

These instructions were created to allow the upgrading of firmware on an Ngenuity scanner. This firmware update may be done for one of two reasons:

- 1) To allow a change from a Böwe Bell and Howell (BBH) branded Ngenuity scanner to a Kodak branded Ngenuity scanner.
- 2) To update a Kodak Branded Ngenuity scanner to the latest firmware level.

**NOTE: Once a Böwe Bell and Howell (BBH) branded Ngenuity scanner has been updated with this firmware it must use the Ngenuity Operator Utility (NOU) and drivers provided on the Kodak Installation CDs version 1.0 or higher. Older versions of the NOU and drivers from CDs with a letter version (ie RevB or RevC) will no longer connect to the scanner.**

To determine if an Ngenuity scanner is BBH branded or Kodak branded open Window's Device Manager (Right-click on My Computer and select Manage and then select Device Manager from the left pane's tree structure. If the scanner name starts with "BBH" then it is Böwe Bell and Howell branded scanner. If the scanner name starts with "Kodak" then the scanner is Kodak branded.



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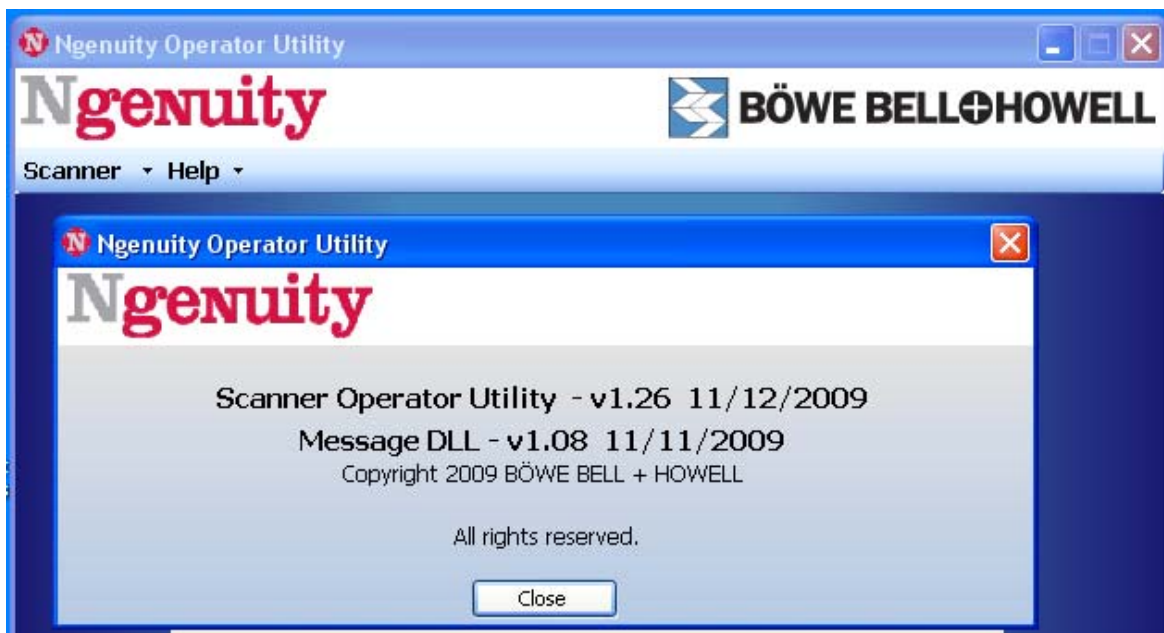
**Step 1:** With these instructions you should have downloaded a zip file. Please ensure that the contents of the zip file have been moved to the host PC connected to the Ngenuity scanner and the zip file has been decompressed.

**Step 2:** Open the host computer's device manager. The Device Manager tree must show the scanner as an Imaging Device before the firmware downloading utility can be used. If you are upgrading the scanner from a BBH branded Ngenuity then the Imaging Device should show as a BBH 9000. If you are upgrading firmware on a Kodak branded Ngenuity then the Imaging Device should show as a Kodak 9000.

**Step 3:** If upgrading from BBH to Kodak you must first check that the version of the NOU on the existing host will support the firmware download; if not it will need to be updated.

From Start->Programs->Ngenuity Utilities -> Ngenuity Operator Utility select Help -> About Ngenuity Operator Utility.

If the NOU version is at least 1.26 then the NOU will not need to be updated you may skip directly to **Step 4**.

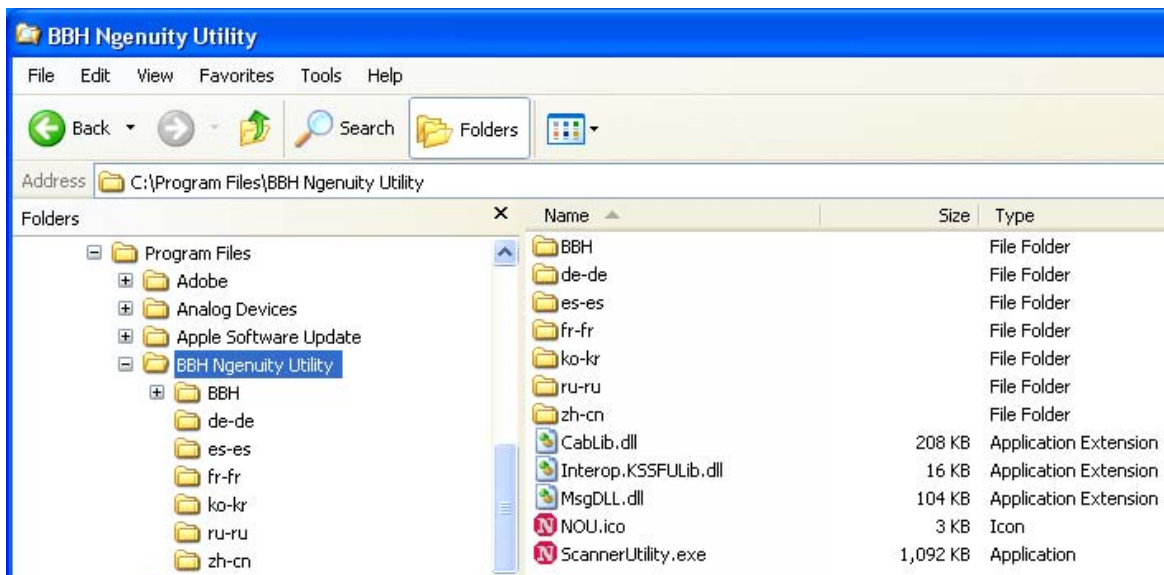


# Instructions for upgrading firmware on an Ngeunity Scanner.

**Step 3 (part 2):** To install the new version of the NOU you must first uninstall the "Ngeunity Operator Utility" from the Add Remove Programs control panel.



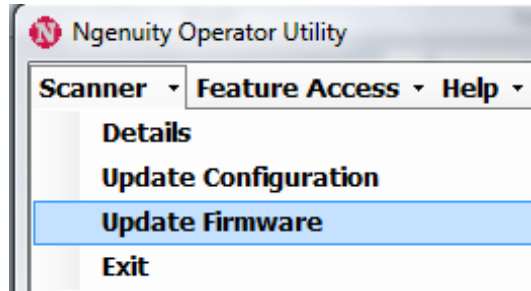
**Step 3 (part 3):** You must also delete the directory C:\Program Files\BBH Ngeunity Utility.



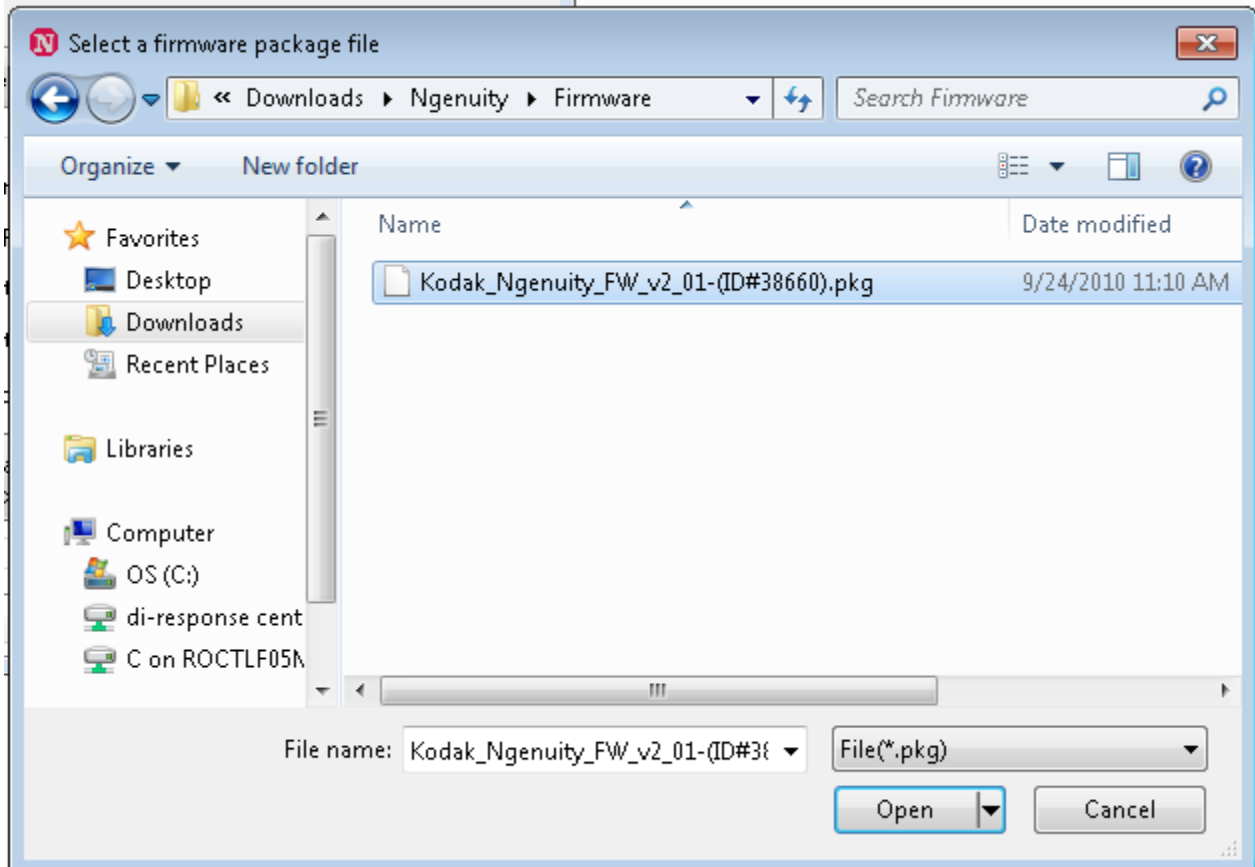
**Step 3 (part 4):** After uninstalling the older version of the NOU you may now install the NOU version 1.26 using the installer provided in the Upgrade Zip file. From the directory "NOU version 1.26 update" from the uncompressed zip file run the setup.exe and follow the prompts.

# Instructions for upgrading firmware on an Ngenuity Scanner.

**Step 4:** To upgrade the Ngenuity firmware you need to first launch the NOU (Ngenuity Operator Utility) v1.26 or greater. From the NOU title bar options choose the Scanner -> Update Firmware option.

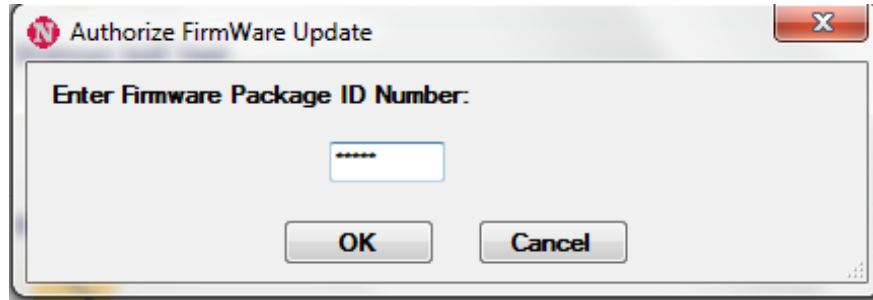


**Step 5:** Navigate to the "Firmware" folder from download package and select the Kodak\_Ngenuity\_FW\_vX.XX-(ID#xxxxxx).pkg file that was provided.



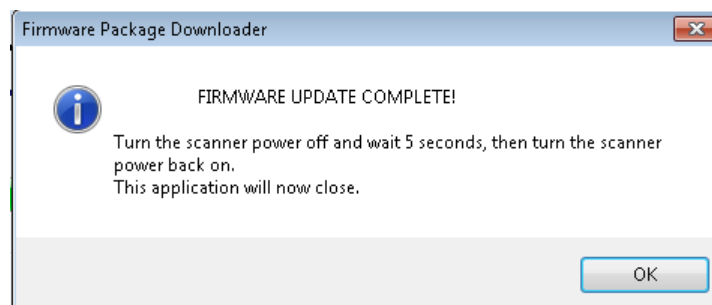
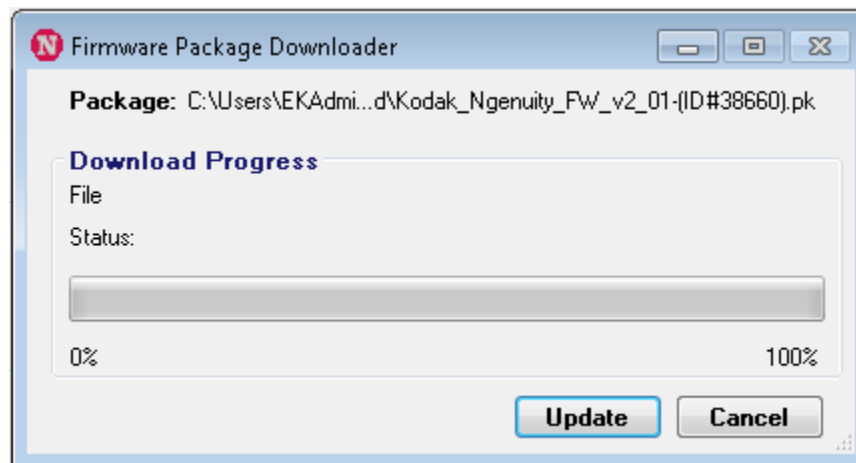
# Instructions for upgrading firmware on an Ngenuity Scanner.

**Step 5 (part 2):** Enter the Package ID number included in the file name (ie 38660) to *authorize* the firmware download and click OK.



**Step 5 (part 3):** Click update and wait until the firmware download completes. (The download process will take 1.5 to 2 minutes.

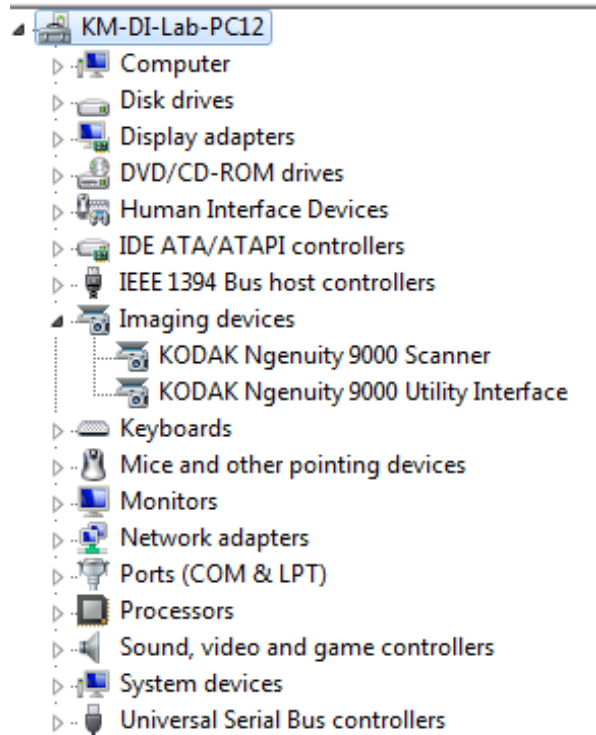
**DO NOT POWER OFF THE SCANNER OR INTERRUPT THE FIRMWARE DOWNLOAD ONCE IT HAS STARTED.**



**Step 5 (part 4):** AFTER you see the "FIRMWARE UPDATE COMPLETE!" message click OK and reboot the scanner

# Instructions for upgrading firmware on an Ngenuity Scanner.

**Step 6:** If you were downloading the firmware update on a BBH branded scanner you should now verify that the scanner has been converted to Kodak branded scanner in Windows Device Manager. (Right-click on My Computer and select Manage and then select Device Manager from the left pane's tree structure.) The scanner should now show as a "Kodak Ngenuity 9000 Scanner" as shown below.



**Note:** If the Kodak Ngenuity scanner is not shown in the "Imaging Devices" branch you will now need to update the Host PCs drivers to the latest Kodak Ngenuity Operator Utility and drivers (OEM VRS version and or TWAIN/ISIS direct drivers). A Kodak branded Ngenuity Scanner must be used with drivers from a Kodak Installation CD, the BBH drivers and OEM VRS version will not connect to a Kodak Ngenuity.

# Instructions for upgrading firmware on an Ngenuity Scanner.

**Step 7:** Verify that the scanner firmware has been updated (and if needed the new drivers loaded) you can verify the new version of firmware by launching the KODAK Ngenuity Operator Utility and select Scanner -> Details. The main firmware version should be shown in the "MC Version" field.

