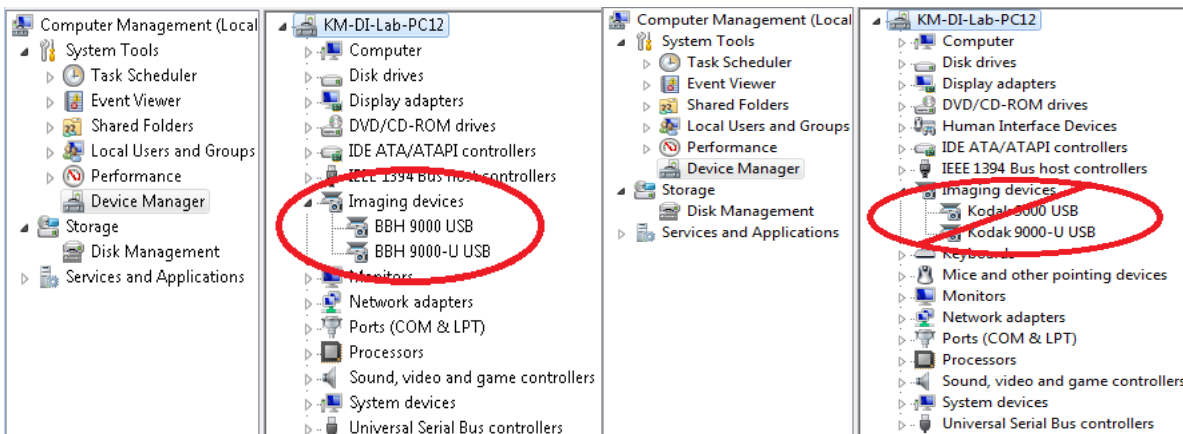


# Instructions for upgrading firmware on a B $\ddot{o}$ we Bell and Howell (BBH) Branded Ngenuity Scanner.

These instructions were created to allow the upgrading of firmware on a B $\ddot{o}$ we Bell and Howell (BBH) branded Ngenuity scanner. This firmware update may be done for customers who wish to upgrade to the latest version of firmware on their existing Ngenuity scanner but do not wish to convert their scanner to a Kodak Branded Ngenuity scanner.

**NOTE: In order to take advantage of the Ngenuity Driver improvements and features available in newer version of VRS or the TWAIN and ISIS drivers the scanner firmware must be updated to the Kodak branded firmware. This firmware update will not allow the Ngenuity to use the newest driver software. This update has been provided to allow customer who do not wish to update to the newest drivers to still be able to update to the latest Ngenuity Scanner firmware to resolve known problems. This will be the last firmware version created that will support the BBH branded version of the Ngenuity scanner. Any future firmware updates will require conversion to Kodak Branded drivers.**

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 B $\ddot{o}$ we Bell and Howell branded scanner. If the scanner name starts with "Kodak" then the scanner is Kodak branded and you should not download this firmware.



# Instructions for upgrading firmware on a Böwe Bell and Howell (BBH) Branded Ngenuity Scanner.

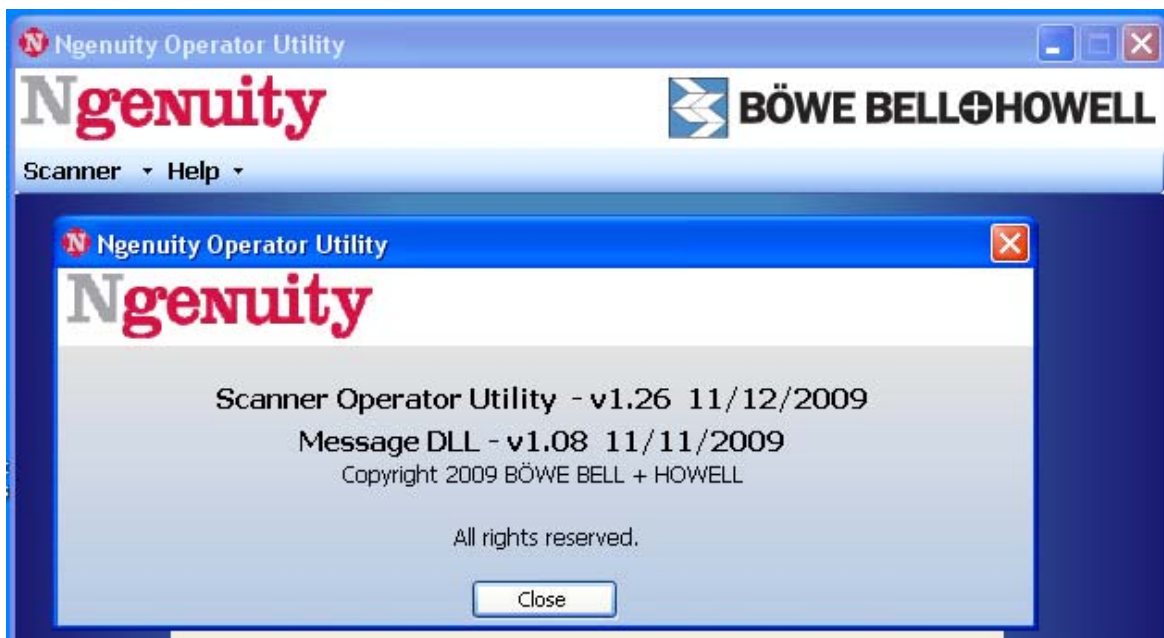
**Step 1:** With these instructions you should have downloaded a zip file. Please ensure that the contents of the zip file have been moved to the host PC connected to the Ngenuity scanner and the zip file has been decompressed.

**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. The Ngenuity Scanner should show as an Imaging Device named BBH 9000. If the scanner shows as a Kodak 9000 please do not proceed with these instructions and download a firmware download for a Kodak branded Ngenuity scanner.

**Step 3:** 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.

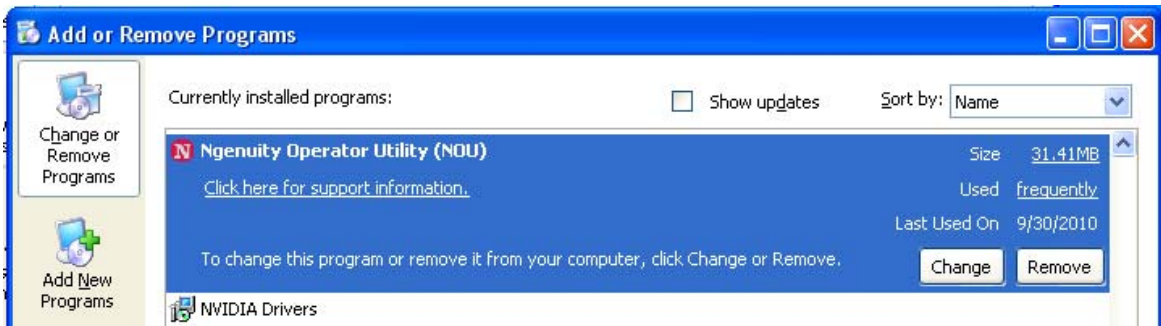
From *Start->Programs->Ngenuity Utilities -> Ngenuity Operator Utility* select *Help -> About Ngenuity Operator Utility*.

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**.

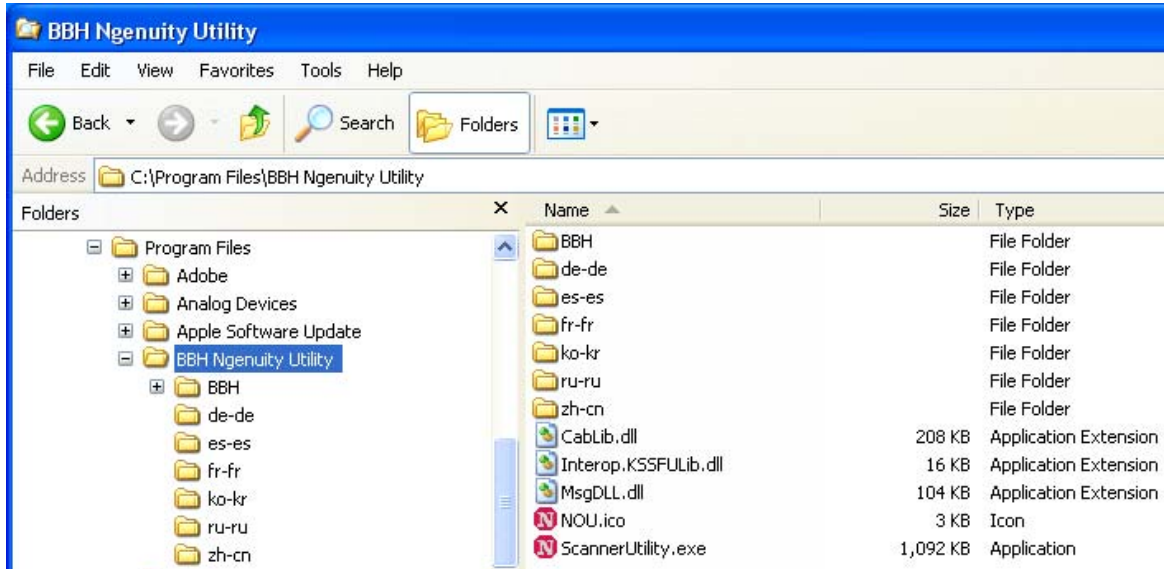


# Instructions for upgrading firmware on a Böwe Bell and Howell (BBH) Branded Ngenuity Scanner.

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



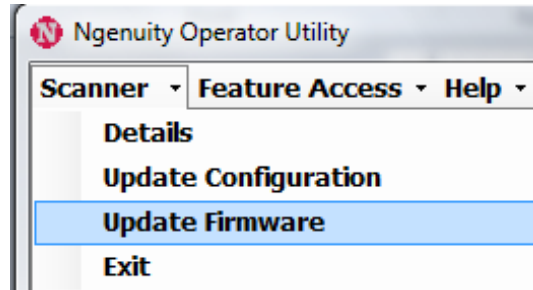
**Step 3 (part 3):** You must also delete the directory C:\Program Files\BBH Ngenuity Utility.



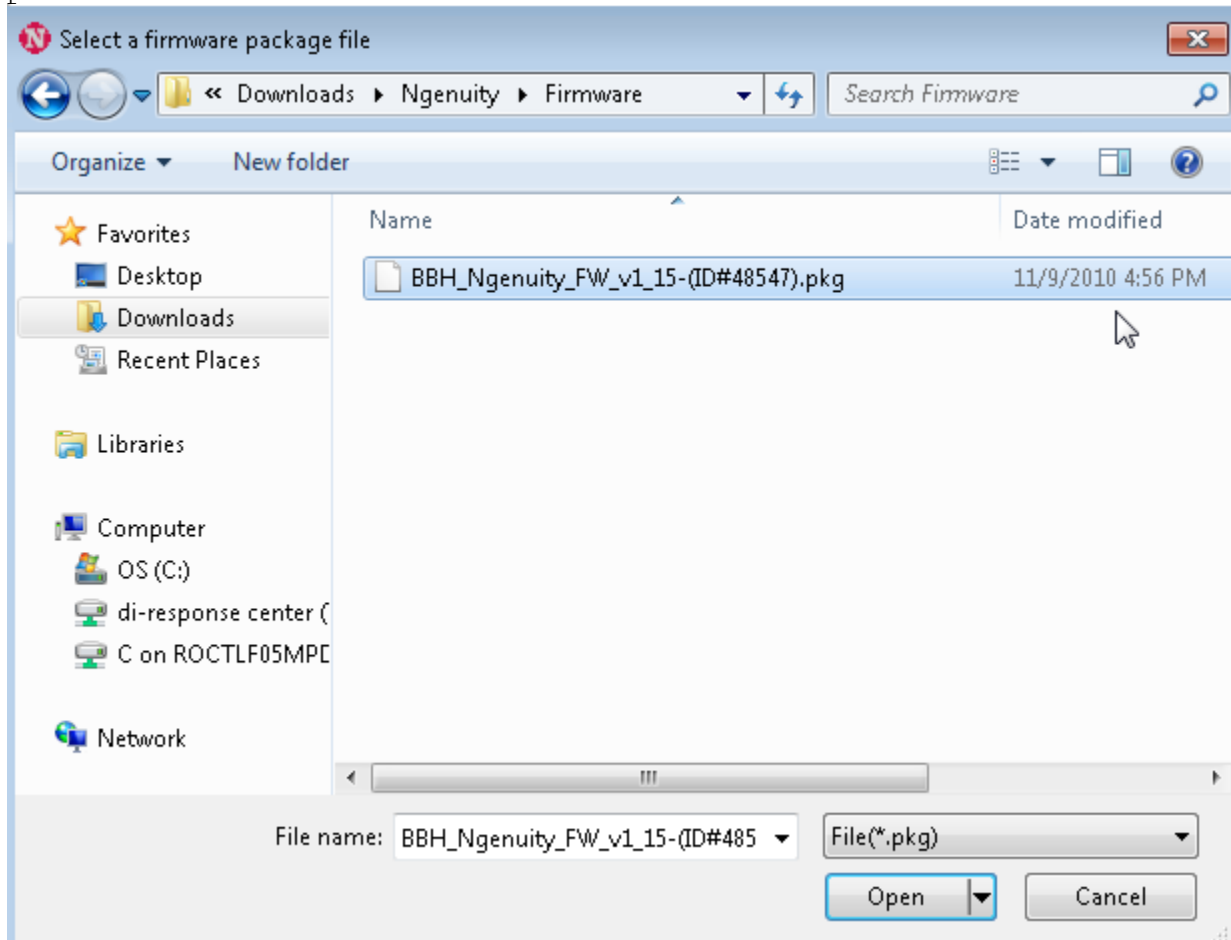
**Step 3 (part 4):** After uninstalling the older version of the NOU you may now install the NOU version 1.26 using the installer provided in the Upgrade Zip file. From the directory "NOU version 1.26 update" from the uncompressed zip file run the setup.exe and follow the prompts.

# Instructions for upgrading firmware on a Böwe Bell and Howell (BBH) Branded 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.

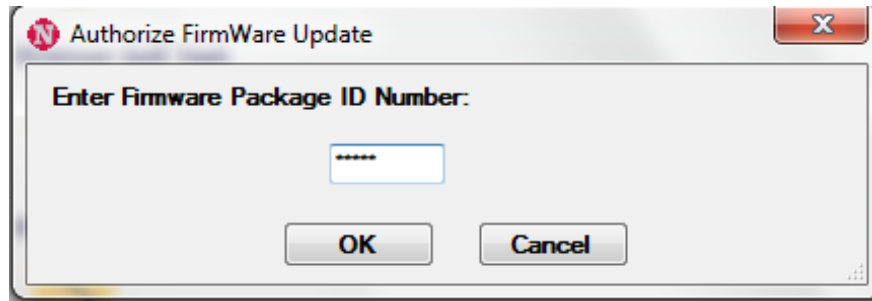


**Step 5:** Navigate to the "Firmware" folder from download package and select the BBH\_Ngenuity\_FW\_vX.XX-(ID#xxxxxx).pkg file that was provided.



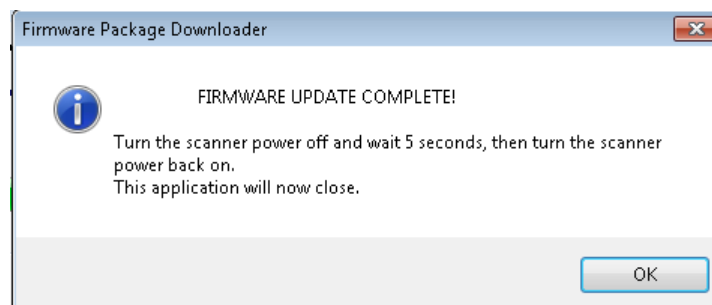
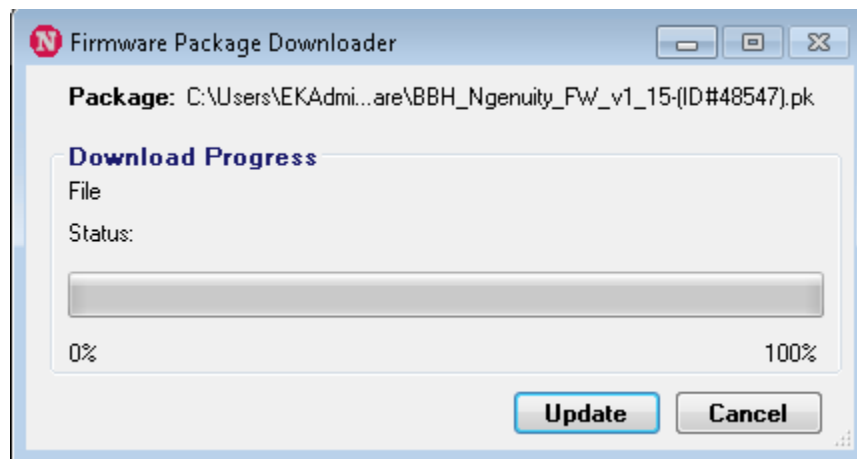
# Instructions for upgrading firmware on a Böwe Bell and Howell (BBH) Branded Ngenuity Scanner.

**Step 5 (part 2):** Enter the Package ID number included in the file name (ie 48547) 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 a Böwe Bell and Howell (BBH) Branded Ngenuity Scanner.

**Step 6:** 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 Ngenuity Operator Utility and select Scanner -> Details. The main firmware version should be shown in the “**MC Version**” field.

