

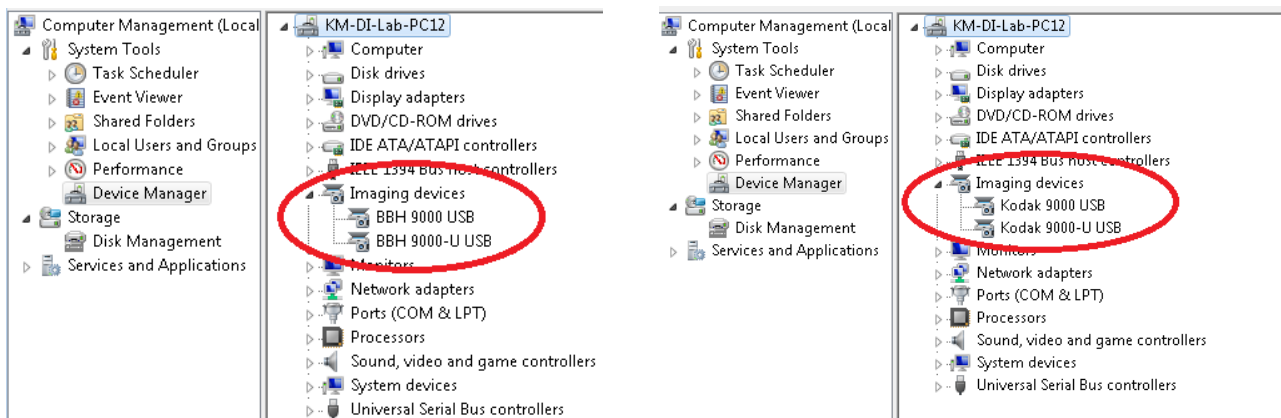
Böwe Bell and Howell (BBH) Ngenuity Series Scanners Firmware Release Notes

Version 1.15 Summary (11/09/2010)
(SC_7J3966_48547.pkg. Package Activation ID is 48547)

This firmware update was created to allow the upgrading of firmware on a Böwe 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 Böwe 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.**



Version Details:

The screenshot shows a window titled "Scanner Details" with the Ngenuity logo. It is divided into two main sections: "Machine Controller" and "CGA".

Machine Controller	
Scanner Model	9150DC
MC Version	1.15 (Nov 9 2010)
Sensor Processor	1.035
Control Panel	0.25 (3)
MC Downloader	0.14
Controller ID	091130093000
Front Imprinter Ver	2
Front Imprinter Name	HP Inkjet
Back Imprinter Ver	N/A
Back Imprinter Name	None
SP Downloader	0.04
Model Security String	1E1E3C9C

CGA	
Software Version	3.20.024
Hardware	5008656
Host Interface	0x0048
Image Processor	0x007b
Camera Interface	0x0024
CPLD	0x0002

New Features from FW 1.13:

- (None)

Improvements from FW 1.13:

- PR#15925 - Corrects an issue that may cause scanners to report a "Bad/Missing Front Panel" fault.
- PR#15130 - Camera calibration maintenance reminder now based on scanning time (LED On Time) instead of total scanner on time.
- PR#17228 - Corrects an issue that reset the odometer and other parameters to zero.
- Several other Issues were also corrected.