Using the KeyScan KS810

Using your KeyScan KS810 scanner

Following is a brief description of the KeyScan modes of operation and general guidelines on how to use them.
It is not intended to be a detailed tutorial.
KeyScan software is an interface between the KeyScan KS810 scanner and its user.

KeyScan software has several such built-in interfaces-

- **"KeyScan Imaging" scanning application:**
  Lets you scan using interactive desktop scanning application.
- **KeyScan NoTouch-AutoScan interface:**
  NoTouch-AutoScan is activated automatically by insertion of a document into the scanner feeding tray.
- **KeyScan scanner buttons:**
  Use scanner buttons to scan and perform predefined functions.
- **KeyScan TWAIN interface:**
  Enable using KeyScan scanner by 3rd party applications such as Adobe Acrobat or Adobe Photoshop. Any TWAIN compliant application should be able to use the KeyScan TWAIN interface in order to scan documents into the application.
- **KeyScan command-line interface:**
  Can define dedicated icons or Windows scripts to use the scanner.
- **KeyScan COM object interface:**
  Advanced control of the scanner from other applications.

On this short introduction we will cover the first 4 interfaces that are commonly used by most users.

Calibration

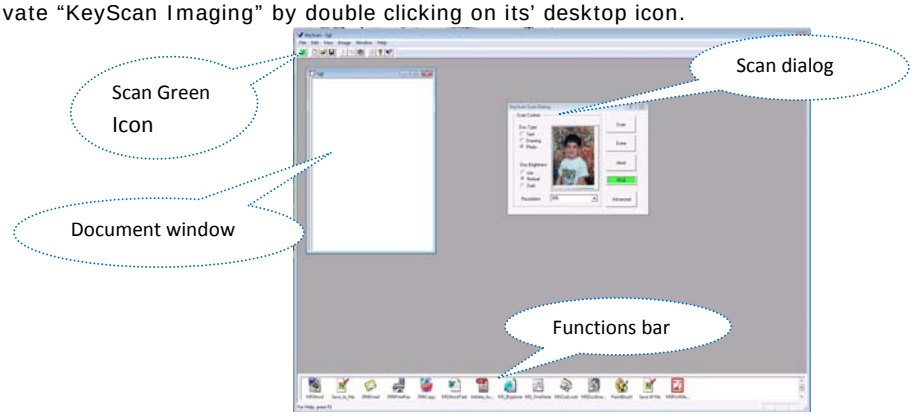
After software installation and connection of the KS810 to you computer you must calibrate the scanner.
You should also calibrate it after installation of any KeyScan software updates or after cleaning the scanner glass surface.

Scanner calibration:

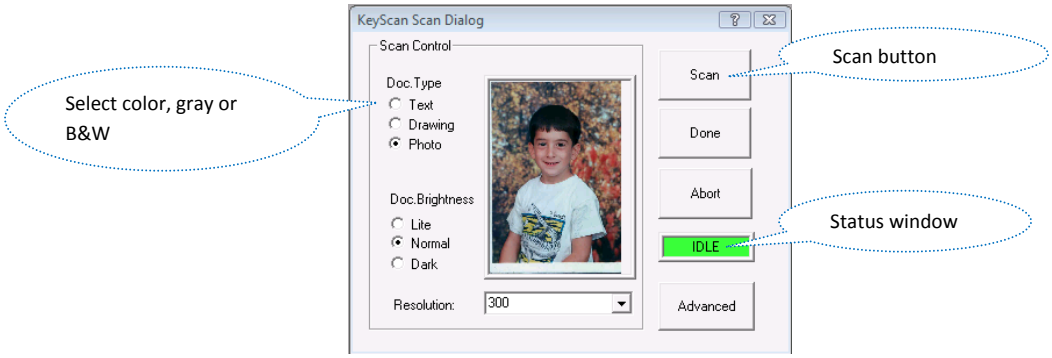
- KeyScan product must be calibrated before proceeding with scanning-
- Activate KeyScan Imaging software by clicking on its desktop icon. 
- From file menu click on <Calibrate>
- Place a white printer page (standard size- 8.5" x 11") and finish the calibration.

“KeyScan Imaging” application

Activate “KeyScan Imaging” by double clicking on its’ desktop icon.



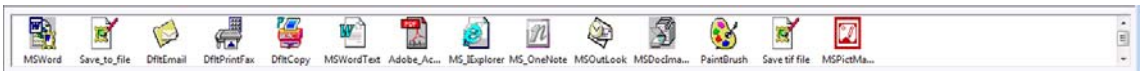
In order to scan a document click on the green icon on its top left functions icon bar.
A scanning control dialog pops up and let the user define the scanning parameters such as color mode, resolution etc.



Click on the dialog’s <Scan> button to start a new scan. The status window will change from Green to Red indicating the status of the scanning process, then return back to Green the current page scan is finished.
If required, place a new page and click <Scan> again, a new scan process will start scanning a second page into the same document (also to the same window). You can repeat the process as many time as needed (limited by your hard-drive space), you can press page down to browse the pages of the document.
When finished all pages press <Done>, the scanning dialog will be removed.
You can scan more documents as explained before and each new document will have its own window.
The scanned documents are saved on KeyScan’s temporary folder only for the duration of the current activation of KeyScan Imaging. The temporary folder is “cleaned” on each activation of KeyScan Imaging.

What can you do with the scanned documents:
In order to save or perform other functions on the scanned documents

- Select a document by clicking on its window.
- Click on one of the function-icons listed on the bottom functions bar in order to perform the required function. KeyScan will scan your computer and place icons only for the applications actually installed on your system.

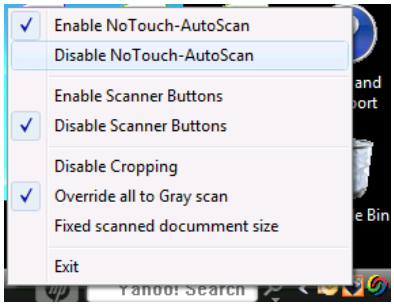


For example click on a scanned document window to select it.
Click on the Save_To_File icon on the bottom applications bar to save it to folder in a required file format.
Click on the DfltEmail to send it as an email attachment.
Click on Painbrush to view it in Painbrush application

Controlling KeyScan NoTouch-AutoScan and KeyScan scanner buttons

KeyScan NoTouch-AutoScan can be activated automatically when your system starts or you can double click on its desktop icon to activate it.
Once activated its icon is displayed on the Icon tray on the bottom right corner of Windows applications bar.
When you click on the Icon it expands to a menu which lets you control the operations of NoTouch-AutoScan and Scanner buttons-

- Enable or disable NoTouch-AutoScan
- Enable or disable Scanner buttons
- Override some of the scanning settings for example override all AutoScan scanner settings into Gray mode scanning (instead of Color mode).



Working with NoTouch-AutoScan

NoTouch-AutoScan has preset of 15 functions, the user can redefine each of these functions and select one of them as its default function. A “preset function” in this context can include for example the following steps-

- Scan multipage document
- Process through OCR software IRIS OCR engine integrated with KeyScan software.
- Produce searchable PDF file of the scanned document (no need for Adobe Acrobat).
- Open a new email message
- Attach the new searchable PDF file to the new email message

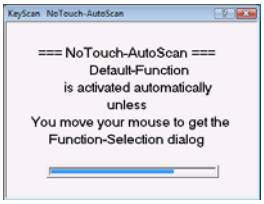
When NoTouch-AutoScan is activated and enabled, it is executed automatically by the insertion of a document into the scanner feeding tray. It can proceed with the scanning process in two modes, NoTouch mode and AutoScan mode.

NoTouch-AutoScan:
It starts upon insertion of a document only when KeyScan Imaging is not running and also when KeyScan TWAIN interface is not activated by other application.
When KeyScan NoTouch-AutoScan is activated and enabled the scanner functions buttons (4 buttons on top of the scanner cover) are disabled and converted into multimedia functions.

- When a document is placed on the scanner feeding tray, it is sensed by NoTouch-AutoScan.
- A timeout dialog pops-up (its duration can be adjusted).

- If during the timeout process the user does not move its mouse cursor over the dialog, NoTouch-AutoScan will proceed with **NoTouch** function.
- If during the timeout the user moves the mouse cursor over the timeout dialog, the KeyScan will proceed with **AutoScan**.

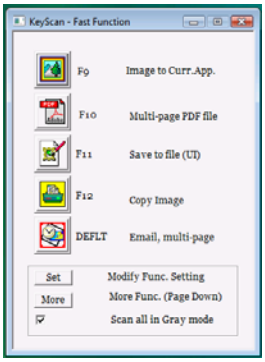
NoTouch function



After the timeout elapses, KeyScan NoTouch will activate the Default pre-setting, the factory setting is to scan into email attachment:

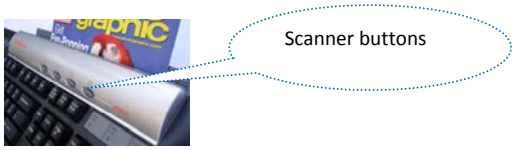
- The user feeds multiple pages to scan
- Between each page KeyScan display a timeout dialog to let the user time to feed another page or to modify the attachment file name.
- When no more pages are being fed, the NoTouch activates the OCR engine to translate the image into text.
- Generates searchable PDF file (no need for adobe writer).
- Open a new email message and attach the searchable PDF to the mail message.
- All the above has been done only by feeding the pages, no button clicking or menu selection.
- Everything is ready for emailing the scanned document.

KeyScan AutoScan function



If during the initial timeout the user moves the mouse cursor over the timeout dialog:
The dialog is converted into Function-Selection dialog where the user can select up to 15 preset functions.
For example the first function is “Paste into current application” the scanned data will be pasted to the current opened document where the cursor is located (and also saved on the clipboard for even further use).

Using the KeyScan Scanner Buttons



When scanner buttons are enabled (using the menu of the NoTouch-AutoScan Icon on the applications tray) it automatically disables the NoTouch-AutoScan function.
When the user presses one of the scanner buttons it activates the related function-
[Scan to file] – [Scan to printer (Copy)] – [Scan to Email] – [Scan to FAX]
The computer must be connected to printer, email or fax card for the relevant function to work.
These function reference some of the NoTouch-AutoScan settings so they can be modified to perform other operations if required.

TWAIN interface- Using KeyScan with 3rd party applications

A 3rd party application which is TWAIN compliant application should be able to work with KeyScan TWAIN data-source.
From the 3rd party application <File> menu click on <Select source> to select the scanner to be used
From the 3rd application <File> menu click on <Import> to start the scanning functions.