

Class II

**Barcode Scan
for Pocket PC series**

PocketScan™
Pocket PC software include!

**Use Pocket PC as an
Personal Digital Terminal**

For Mobile Computing

Be
Interactive



For
Pocket
PC



For
Handheld
PC

**Ideal for CompactFlash Slot
Pocket PC and Handheld PC**

ActiveScan 
CompactFlash Laser barcode Scan



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Information to user : Part 15, Paragraph 15.21 and 15.105(b)

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

FCC Notice

NOTE : This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

1. Introduction

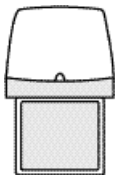
ActiveScan is an ultra-lightweight, low power module, CompactFlash type scan card that enables standard barcode scanning using a Pocket PC. ActiveScan can be not only adapted Notebook but also mobile devices such as Pocket PC, Palm Size PC, handheld PC and Pen Tablet which support Windows CE 3.0. It can be widely used in various industries such as physical distribution, delivery, and automation.

- Provides an excellent compatibility and program environment
- Reads a barcode in a fast and precise way using a laser
- Streamlined waterproof and insect-proof design
- Competent price and excellent development environment

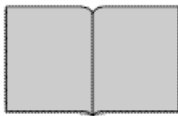


2. Package contents

ActiveScan is composed of an ActiveScan Card, User's guide and Installation CD. Please check the contents. If there is any missing or damages, please contact to purchasing place.



ActiveScan



User's guide



Installation CD

3. Installation of ActiveScan

Before install....

Please delete any barcode scanning software you may already have installed on your computer. Also delete the PocketScan task tray icon on the right bottom of Task bar.

This guide explains based on the Pocket PC 2003 of Microsoft.

There is little bit difference compare to Windows CE 2.1X Palmsize PC and Handheld PC but basic procedure is almost the same. We supply drivers file for Windows CE 3.0, Windows CE.net, HPC 2000 and if you want to know the applications. We'll supply SDK .

If you make an easy to develop application program, please contact us.
(SDK is included in the CD, but you'll need S/N)

** webmaster@beinteractive.co.kr

PocketScan Task Tray Icons



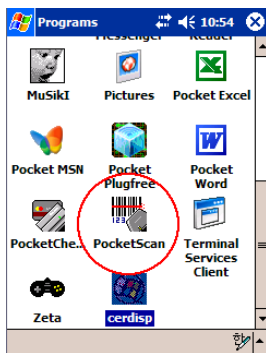
No card Detected



ActiveScan card Detected (Active icon)

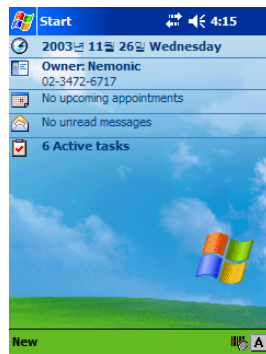
3-1. S/W Installation

1. To install driver, you must synchronize Pocket PC and your Desktop PC in advance
2. After synchronization between two devices, insert CD
3. If you double click setup.exe then "PocketScan" will be started to install.
4. With message of " Application downloading Complete ", ActiveScan program will be installed automatically.
5. You can find that ActiveScan is installed on the " Program " with **PocketScan** icon.

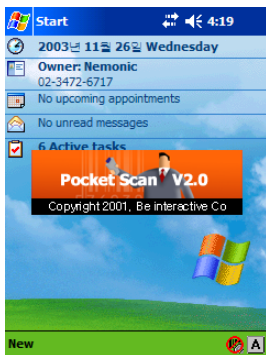


3-2 Getting started

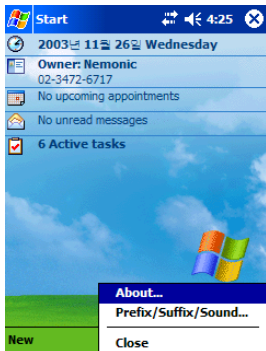
1. If PocketScan program is already started then click the PocketScan task tray icon on the right bottom of Task bar.



2. First, plug-in the ActiveScan card into the CompactFlash slot on your mobile computer.
3. With sound of card recognition, " Pocket Scan " logo will display and PocketScan task tray icon will be replaced into the active icon on the Task bar.

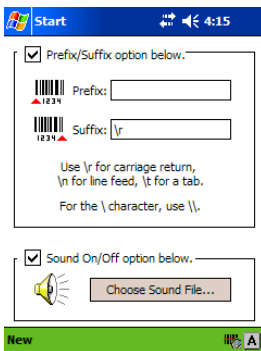


4. If you click the PocketScan task tray icon (active icon) on the Task bar "About" and "Prefix/Suffix/Sound..." menu will display to set the property of the ActiveScan.



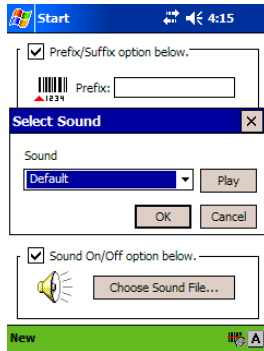
5. Properties menu If you click the PocketScan task tray icon (active icon) on the Task bar, Properties menu and program menu will be displayed. You can set "Prefix/Suffix" and scanner "sound".

Prefix/Suffix Option



If you choose "Prefix/Suffix/Sound." menu then Dialog window will be displayed. On this menu, you can set a prefix and suffix of scan data.

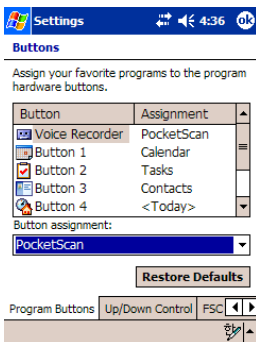
Sound Option



You can also choose sound on the menu of "sound on/off." After finished setting, please push "O.K" button.

6. You can execute laser beam without virtual button so PocketScan program include H/W button function.

Button Mapping



To make a button mapping, select "Start Setting Button" Choose any button that you want to set. Select "PocketScan" on the "Button assignment" field and push "O.K" button.

**** You are ready to scan then open new notes and push assigned button to scan. Laser beam will be disappeared in 2 ~ 3 second.**

3-3. Test of ActiveScan

1. Open the Windows application you want to receive the data. (note, Excel, etc...)
2. Press the button and scan the code.
3. After a successful scan, data should appear in your document.



4. Specification

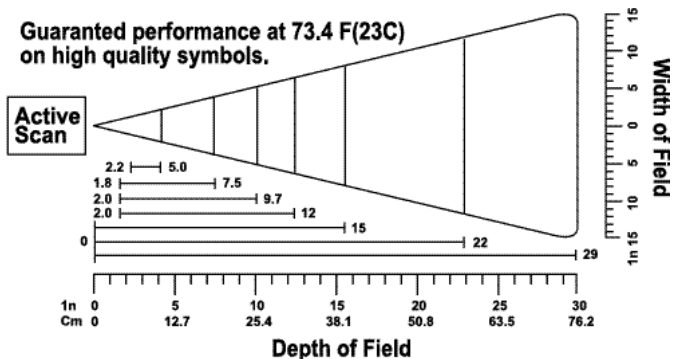
4-1. Specification of ActiveScan

Physical Characteristics	CompactFlash Type I Ext
Interface Type	Laser Barcode scan
Barcode Symbolologies	Code 39, UPC, EAN, Other standard barcode
Scan Repetition Rate	39 (\pm 3) scans/sec (bi-directional)
Decode Distances	2.2 to 60.0 inch
Scan Angle	53 °(typical)
Laser class	Intended use in CDRH/IEC Class 2 devices
Power Consumption	Idle: 11.4 mA, Typical: 97 mA
CompactFlash card size	43x 43 x 3.3 mm
Scanner size	34 x 49 x 18.5 mm
Humidity Operating	10% to 90%, non-condensing
Humidity Non-operating	10% to 95%, non-condensing
Weight Approx.	32.5 g
Operating System	Windows CE 3.0 or Higher
Windows CE Software	PocketScan™ software with keyboard emulation
Warranty	1 year

4-2. Specification of Scanner Engine

Power Requirements	3.3 - 5.0 V DC \pm 10%
Input Voltage	68 mA @ 3.3V DC
Input Current	78 mA @ 5.0V DC
Standby Current	< 35 mA typical; 50 mA max. @ 5VDC
Surge Current	<200 mA typical
Vcc Noise Level	100 mV pk - pk (30 Hz - 50 kHz)
Scan Repetition Rate	39 (\pm 3) scans/sec (bi-directional)
Laser Power	1.2 mW nominal - Scanning Mode 0.8 mW nominal - Aim Mode
Laser Class	Intended use in CDRH/IEC Class 2 devices
Print Contrast	Minimum 25% absolute dark/light reflectance measured at 650 nm
Scan Angle	53 °(typical)
Pitch Angle	\pm 65 °from normal
Skew Tolerance	\pm 60 °from normal
Roll	\pm 10 °from vertical
Ambient	Light Immunity
Sunlight	10,000 ft. candles (107,640 lux)
Artificial Light	450 ft. candles (4,844 lux)

4-3. Decoding Zone



** Source : Symbol technologies, Inc.

5. If you have trouble...

- 5-1. Does not recognize the PocketScan (driver) on your mobile computer...
Please check your processor and OS with the driver. Sometimes, They are different each other.
Please reset the PocketScan on your mobile computer and retry scanning.
- 5-2. When you press the trigger button, nothing happens...
Please see "3-2 getting started 5. button mapping"
- 5-3. Does not read the barcode on your mobile computer with ActiveScan.
Please check your barcode. If it has damaged print it can not work correctly.
please see the SDK/Symbol-Parameter and print a this parameter.
You can set all defaults bar code and enable or disable resetting the decode.
For best results, the scanner should be held at an angle of at least 15 degrees from perpendicular to the surface of the barcode label.
- 5-4. When you plug-in ActiveScan, it is not working with message of "Unknown card in Socket"
Please contact us

6. Technical Support

- 6-1. If you have a technical problem while installing or using the ActiveScan card. Please feel free to contact us.
- The Driver
 - Windows version of your mobile computer
 - SDK
- 6-2. If you are missing the CD. You can download the driver by www.beinteractive.co.kr/eng click "support"



You can contact Beinteractive the following ways ;

Web	www.beinteractive.co.kr
e-mail	webmaster@beinteractive.co.kr
Phone	82-2-3472-6715
Fax	82-2-3472-7133

"ActiveScan" Power saving Barcode scan card for Pocket PC
Support various environment for trans,logistics.

**Ideal for CompactFlash Slot
Pocket PC and Handheld PC**



For
Pocket
PC



For
Handheld
PC



Be
Interactive

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