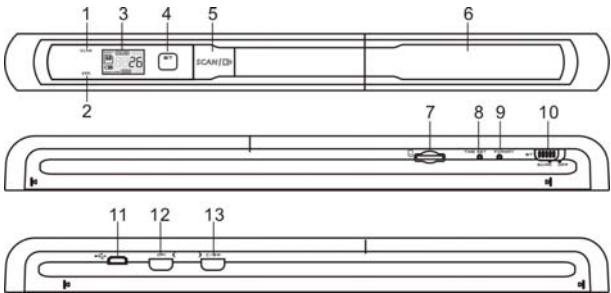# HS-SCNR430　　Manual
FCC ID:YH5-HSSCNR43

1. Key features

Color /Monochrome (Mono) scan selection
600/300 dpi resolution scan selection
Built-in BLUETOOTH® wireless technology
Directly save JPEG file to microSD/microSDHC card
Support microSD/microSDHC card up to 32GB
Driver free to download for Windows® XP, Windows® Vista™,
Windows® 7 and Mac OS® 10.4 or above
(direct plug-in, driver installation not required)

2. Functional parts

	Part	Function
1	Scan LED indicator	Ready for scan: Green LED on
2	Error LED indicator	Over speed: Red LED on Charging battery: Red LED on until complete.
3	LCD screen	Scanning status display
4	BT LED indicator	*Bluetooth*: Blue LED on
5	Scan button	In power on mode, press this button to start scanning, press this button again to stop scanning
6	Battery door	For 4.2V rechargeable battery
7	microSD card slot	microSD/microSDHC card storage location.
8	Time set	When Scanner is power on, press to enter Time and Date setting mode
9	Format button	When Scanner is power on, press this button to format the microSD/microSDHC card.
10	Power / *Bluetooth* button	*Bluetooth* On/Off: Switch this key left to [BT] mode to enable *Bluetooth* techonolgy Power On/Off: Switch to [SCAN] mode to turn on scanner Switch to [OFF] mode to turn off scanner.
11	USB interface	Download photo to a computer via USB cable provided.
12	Resolution	Select High(600dpi) / Low(300dpi) resolution; High / Low resolution mode icon will be displayed on status LCD screen.
13	C/BW	Select Color/Mono scan, Color/Mono mode icon will be displayed on status LCD

3. Explanation of the status icons

Item	Function	Description
1	SD card indicator	Photos will be stored in microSD card
2	Battery indicator	Battery is full　　Empty battery

3	Effect indicator	Color or Mono
4	Counting indicator	Show scanned files in microSD card
5	Selected resolution	High:600 dpi / Low:300 dpi

4. LED light indications

SCAN "GREEN" SCAN LED ON → Scan in progress.
　　　　"GREEN" SCAN LED OFF → Standby / Scan is complete.

ERR. "RED" ERROR LED ON → Scanning too fast.
　　　　　　　　　　　　　　　May cause scanning error.
　　　　　　　　　　　　　　　Restart and scan again.

　　　　"RED" ERROR LED OFF → No error in scanning speed.
　　　　　　　　　　　　　　　Continue scanning process.

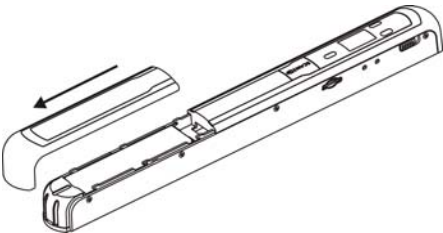**BT** "BLUE" BT LED ON → *Bluetooth* wireless technology is enabled

* Scan will START when SCAN button is pressed

* To END scan, press SCAN button again

5. Using the scanner
5.1 Installing the battery
1. Open the battery door by sliding the battery compartment downwards as indicated by the arrow in the diagram below.
2. Make sure battery is in the battery compartment. If not, insert 4.2V rechargeable lithium polymer battery into compartment.
3. Turn on the scanner by switching the [POWER] switch to [SCAN] mode.
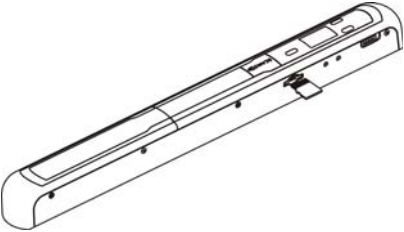

5.2 Inserting a microSD memory card (not included)
To operate the scanner, you must insert a microSD Card (not supplied) to record and store your pictures. Inserting the microSD memory card:
1. Turn OFF the scanner.
2. Insert the microSD card into the microSD card slot (with metal side facing upwards). Gently press in until card is clicked in and latched. The SD card indicator must appear on the LCD screen.
Note: Do not force the card into the slot; forcing may damage scanner and the microSD memory card. Align microSD card position (as marked) and try again.

5.3 Time setting
1. Press [TIME SET] button to enter time setting mode by using a thin, blunt object, such as a paperclip to access the button. The LCD screen will read "1##" for the year. "##" is a set of number that would be changed to correspond to the actual time/date setting.
2. Press the [C/BW] or [DPI] buttons to select the current Year.
3. Press SCAN button to confirm setting. The LCD screen will now read "2##."
4. Repeat steps 2 and 3 to select the Month, Date, Hour, and Minute.

Indicator	Setting
1##	Year
2##	Month
3##	Date
4##	Hour
5##	Minute

5. After setting the Minute, "5##", press the [TIME SET] button again to complete the Time and Date setting.

5.4 Formatting the microSD memory card
Note: All contents on the microSD card will be erased during formatting.
1. Insert a microSD card into the scanner with metal side facing upwards. Then power on the scanner.
2. Press the [FORMAT] button with a thin, blunt object, such as the end of a paperclip to access the button. An "F" shows on the LCD screen.
3. Press the SCAN button once to begin formatting microSD card.
4. The SD card indicator will flash until the formatting process is complete.

5.5 Calibrating your scanner
1. Clean the glass shield located on the bottom of scanner with the cleaning cloth provided.
2. Turn on the scanner by sliding the [POWER] switch to [SCAN] mode. Then place the scanner on the provided "White Balance Calibration" paper.
3. Click and hold onto the [C/BW] button. While holding onto the [C/BW] button, press the SCAN button once and then release both buttons. SD card indicator will flash and "GREEN" and "RED" LED light will turn on.
4. Do not move the scanner. Wait until the "RED" LED light turns off. "GREEN" LED light will stay on.
5. With only the "GREEN" LED light on, start scanning the white paper by sliding the scanner across the paper until the "GREEN" LED light turns off. (Slide the scanner backwards if necessary).
6. Slide the [POWER] switch to [OFF] to turn off the scanner. Calibration is completed.

5.6 Setting the resolution
1. By pressing the [DPI] resolution button on the scanner, you may choose between high resolution (600 dpi) and low resolution (300 dpi).
2. The high or low resolution mode will be displayed on the LCD screen to reflect your choice.

5.7 How to scan
Note: To scan, make sure your scanner is not connected to the computer.
1. Turn on the scanner by sliding the [POWER] switch to [SCAN] mode.
2. Place the document on a flat surface and hold down the document with one hand.
3. Place the scanner on the edge of the paper approximately 5/8 to 3/4 of an inch onto the paper to ensure the most of the document can be scanned. Make sure to keep the scanning area in between the scanning width indicators marked on the side of the scanner.

4. Hold the scanner flat against the material and then press the SCAN button once.

5. Slide the scanner slowly, keeping your hand stable to get the best quality picture.
6. Press the SCAN/⇨ button again to stop scanning.

5.8 Bluetooth®
Turn on *Bluetooth* technology and pair with other compatible device (sold separately).
1. Slide the [POWER] switch to [BT] to enable *Bluetooth* wireless technology. "BLUE" LED light will turn on.
2. Enable *Bluetooth* technology on receiver.
3. Search and pair receiver with "Handy Scanner."
4. Input "0000" as the passcode once the receiver detects the scanner. "BLUE" LED light will flash.
5. Press SCAN/⇨ to pair connection between receiver and scanner. "BLUE" LED light will stop flashing and remain "BLUE" once connection is successfully set up.

Note: SCAN/⇨ button must be pressed within one minute or the connection will fail.

5.9 Transferring files via *Bluetooth* technology

1. After the connection is set up successfully, press the [DPI] or the [C/BW] button to choose the scan file that will be transferred to the receiver. The scan file number will display on the LCD screen.
2. After the scan file is selected, press SCAN/⇨ once. The selected file will start to transfer. During a file transfer, "BLUE" LED light will flash.
3. After the file is transferred, the receiver will indicate file transfer is complete and the flashing "BLUE" LED light on the scanner will stop blinking. Files in scanner will be kept unchanged.
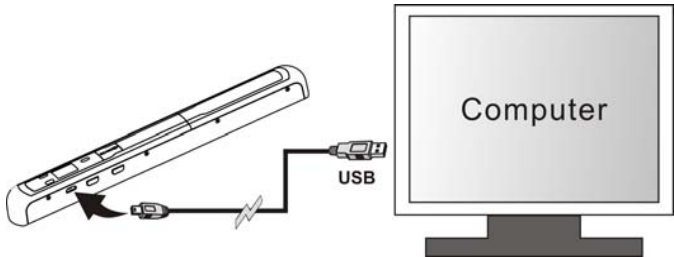
Note: The process for receiving files from scanner may differ from each device. Please refer to your *Bluetooth* device's manual for more information.

6. Viewing your scans
1. Connect your scanner to your computer and then turn on your scanner.
2. Your computer should recognize the scanner as a "Removable Disk." Click "Open folder to view files" to view and import scans.
NOTE: If the Removable Device window did not launch automatically, go to your "My Computer" (PC) and find the device under Removable Storage.
NOTE: In power off mode, connect your scanner to your computer to charge the battery. OR use the power adapter that is included.

7. Specifications

Image sensor	Color Contact Image Sensor
Number of sensor	5136 dots(1st~5104 dots available)
Resolution	Low resolution : 300x300 dpi(default) High resolution: 600x600 dpi
Maximum scanning speed for A5 size document	Color High resolution: 8 Seconds Mono High resolution: 6.0 Seconds Color Low resolution: 3.0 Seconds Mono Low resolution: 2.0 Seconds
Capacity (Based on 1GB microSD	600dpi color: 220 Photos(Min.)

card. Scan A4 size file, the quantity of scans varies depending on the content complexity)	600dpi mono: 290 Photos(Min.)
	300dpi color: 780 Photos(Min.)
	300dpi mono: 1280 Photos(Min.)
Scan width	Approx. 8.5''
Scan length	300DPI: 53"(Max), 600DPI: 26"(Max)
File format	JPEG
LCD	Scanning status display
Auto Power Off	3 Minutes
USB Port	USB 2.0 high speed
External memory	microSD/microSDHC card
Standard Battery	4.2V Rechargeable Lithium Polymer battery

8. Computer system minimum requirement

Operating System	Windows® XP, Windows® Vista™, Windows® 7 and Mac OS® 10.4 or above (direct plug-in, driver installation not required)
CPU	Pentium III or above
RAM	At least 256MB
Interface	USB port

9. Troubleshooting

Problem	Cause	Solution
Cannot turn on the scanner	1. Low battery. 2. Battery not inserted properly	1. Recharge the battery by connecting scanner to the computer via USB cable. 2. Replace or install the battery correctly
Pictures cannot be saved when you are scanning them	1. microSD card has not been installed correctly. 2. Memory is full 3. The microSD card has not been formatted properly	1. Install microSD card with metal side facing upwards. 2. Download the pictures from the scanner to the computer to create storage space 3. Format your microSD card. Refer to section 5.4
Computer does not recognize your scanner when connected. (You cannot find removable disk)	Connection failure.	1. Make sure all cable connections are secured. Restart the computer if necessary 2. Try a different USB port.
The battery life is very short	Use wrong type of battery	Replace with new 4.2V rechargeable battery
Blurry images	1. The lens of scanner is dirty. 2. Contact Image Sensor aged.	1. Clean the lens with soft dry cloth 2. Recalibrate the scanner. Refer to section 5.5
ERR. LED is on when scanning a document	Scanning speed is too fast	Press the SCAN/⇨ button to reset and try re-scanning the document more slowly
ERR. LED is on after powering on the scanner	The calibration data is reset.	Recalibrate the scanner. Refer to section 5.5
Black Image	Contact Image Sensor aged.	Recalibrate the scanner. Refer to section 5.5

10. ABBYY® OCR Software
(Optional, not required to install to operate scanner)
Compatible with Windows® XP, Windows® Vista™, Windows® 7
To access the software User's Manual go to the Help menu for instructions on how to use the OCR software application:
1. Load and open the ABBYY software.
2. Press the "F1" key located on your keyboard to launch the "Help" menu from the software.
3. OR, locate the ABBYY icon found next to the Time indicator on your computer's taskbar and then right click on the icon to access the "Help" menu.