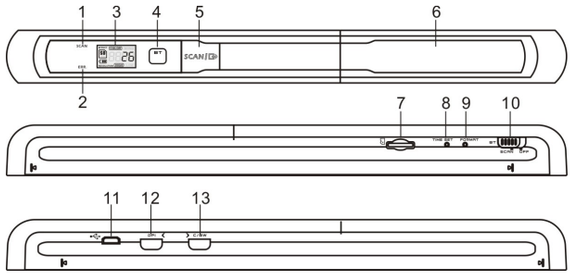
TSN43B Manual

1. Key features

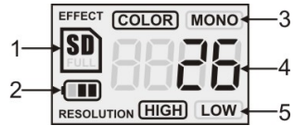
Color /Monochrome (Mono) scan selection
600/300 dpi resolution scan selection
Built-in BLUETOOTH transmission
Directly save JPEG file to microSD/SDHC card
Support microSD/SDHC card up to 32GB
Driver free to download for Windows® XP, Windows® Vista™, Windows® 7 and Mac OS® 10.4 or above
(direct plug-in, 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/SDHC 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/SDHC card.
10	Power / Bluetooth button	Bluetooth On/Off: Switch this key left to turn Bluetooth on or off. Power On/Off: Switch this key middle or right to turn scanner on or off.
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

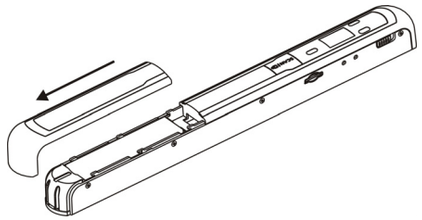


Item	Function	Description
1	SD card indicator	SD Photos will be stored in microSD card
2	Battery indicator	Battery is full Empty battery
3	Effect indicator	Color or Mono
4	Counting indicator	Show scanned files in microSD card
5	Selected resolution	High:600 dpi / Low:300 dpi

4. Using the scanner

4.1 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] button middle.

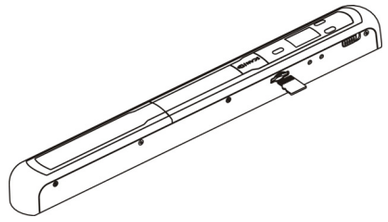


4.2 Inserting a microSD memory card (not included)

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 latched.

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.



4.3 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.

4.4 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 microSD card indicator will blink until the formatting process is complete.

4.5 Calibrating your scanner

1. Clean the glass shield on bottom of scanner.
2. Turn on the scanner by sliding the [POWER] button to Scan. 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 bottons. SD symbol SD 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] button to OFF to turn off the scanner. Calibration is completed.

4.6 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.

4.8 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] button to Middle.
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 indicator 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 you hand stable to get the best quality picture.
6. Press the SCAN/ button again to stop scanning.

4.9 Steps for Blue Tooth coding:

Push the button to "B/T" status, the blue LED light on;
After the external blue tooth receiver catch wireless signal from scanner, Input "0000" as the coding number in your receiver. LED begins to blink.
Press SCAN/ to set up connection between the receiver and scanner.
When the connection is set up succesfully, the blue LED revert to light steadily.
Note: need to press the SCAN/ button in one minute, or the connection will fail.

4.10 Steps for file transmission:

1. After the connection is set up successfully, you can choose the page to be transmitted through pressing "DPI"& "C/WB". The page number will shows on LCD.
2. After the page is selected, press SCAN/, the selected file begins to transmit.
3. After the transmission is finished, the receiver will indicates finish. Files in scanner keeps unchanged.

5. 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 is working

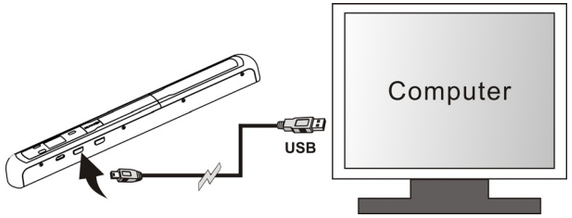
* Scan will START when SCAN/ button is pressed
* To END scan, press SCAN/ button again

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 card. Scan A4 size file, the quantity of scans varies depending on the content complexity)	600dpi color: 220 Photos(Min.)
	600dpi mono: 290 Photos(Min.)
	300dpi color: 780 Photos(Min.)
	300dpi mono: 1280 Photos(Min.)
Scan width	216 mm
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 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 4.4
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 4.5
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 4.5
Black Image	Contact Image Sensor aged.	Recalibrate the scanner. Refer to section 4.5

AM-TSN43B-GB-STD-1

FCC ID: ZEATSN43B

IMPORTANT REGULATORY INFORMATION

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 that is received, including any interference that may cause undesired operation.

WARNING:

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

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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.