

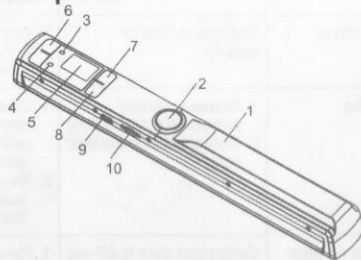


PDS-ST441-VP Manual

1. Key features

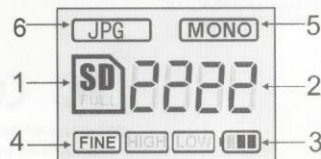
Color/Monochromatic (mono) scan selection
900/600/300 dpi scan resolution
Directly save JPG/PDF file to microSD/microSDHC card
Supports microSD/microSDHC card up to 32GB
Color LCD Display
Built-in high-speed sensor
Compatible to Windows® XP, Windows® Vista™, Windows® 7 and Mac OS® 10.4 or above (direct plug-in, driver installation not required)

2. Functional parts



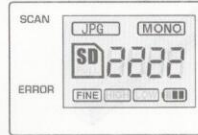
Part	Function
1 Battery door	For 2x AA alkaline batteries
2	Power On/ Off: Press and hold this key for 2 seconds to turn power on or off. In power on mode, press this button to start scan, press this button again to stop
3 Scan LED indicator	Ready for scan: Green LED on
4 Error LED indicator	Over speed: Red LED on
5 LCD screen	Scanning status display
6 UP/DOWN	In MENU mode: Press UP/DOWN buttons to navigate the setup menu. In PREVIEW mode: Preview NEXT or PREVIOUS image file. In ZOOM Mode: Navigate upper and lower area of the image file.
7	Press MENU/OK/RIGHT button to enter MENU setting mode. In ZOOM mode: Move to view right side of the image file.
8	Press PREVIEW/LEFT button to enter PREVIEW mode. Press again to select ZOOM options. In ZOOM mode: Move to view left side of image file.
9 USB interface	Download photo to a computer via USB cable provided.
10 microSD card slot	microSD card storage location.

3. Explanation of the status icons



Item	Function	Description
1	SD card indicator	Photos will be stored in microSD card
2	Counting indicator	Show scanned files in microSD card
3	Battery indicator	Battery is full Empty battery
4	Selected resolution	Fine:900dpi/ High:600dpi / Low:300dpi
5	Effect indicator	Color/Mono scan selection
6	File Format	JPG/PDF output file format selection

4. LED light indications



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

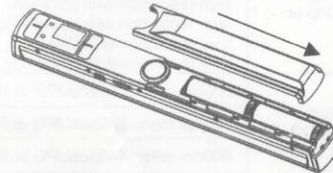
ERROR "RED" ERROR LED ON → Scanning too fast. May cause scanning error. Restart and scan again.
"RED" ERROR LED OFF → No error in scanning speed. Continue scanning process.

* scan will START when 'SCAN' button is pressed
* to END scan, press 'SCAN' button again

5. Using the scanner

5.1 Installing the battery

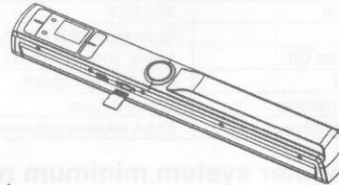
1. Open the battery door by sliding the battery compartment downwards as indicated by the arrow in the diagram below. Then lift up.
2. Insert 2x AA alkaline batteries into the battery compartment.
3. Turn on the scanner by pressing the [POWER] button for 2 seconds



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 ON 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.



5.3 MENU Setup mode

1. Press [MENU] button to enter MENU Setup
2. Press [POWER/SCAN] button to exit MENU mode

5.3.1 QUALITY setting

1. Press [MENU] button to enter MENU Setup
2. Press UP/DOWN buttons to select QUALITY
3. Press [OK] to enter QUALITY mode
4. Press UP/DOWN buttons to select options: Fine resolution (900dpi)/ High resolution (600dpi)/ Low resolution (300dpi)
5. Press [OK] to confirm
6. QUALITY setting will be saved and will exit to return to the previous Menu Setup screen

5.3.2 JPG/PDF (File Format) setting

1. Press [MENU] button to enter MENU setting mode

2. Press UP/DOWN buttons to select JPG/PDF
3. Press [OK] to enter JPG/PDF (FILE FORMAT) mode
4. Press UP/DOWN to select options: JPG/ PDF_Letter/ PDF_A4
5. Press [OK] to confirm
6. JPG/PDF FILE FORMAT will be saved and will exit to return to the previous Menu Setup screen

5.3.3 Color setting

1. Press [MENU] button to enter MENU setting mode
2. Press UP/DOWN buttons to select COLOR
3. Press [OK] to enter color mode
4. Press UP/DOWN to select options: color or monochromatic
5. Press [OK] to confirm
6. COLOR setting will be saved and will exit to return to the previous Menu Setup screen

5.3.4 TIME setting

1. Press [MENU] button to enter MENU Setup
2. Press UP/DOWN buttons to select TIME SETUP
3. Press [OK] to enter TIME SETUP mode
4. Press UP/DOWN buttons to set the YEAR
5. Press [OK] to set the MONTH → DAY → HOUR → MINUTES → SECONDS
6. After setting the date and time, press [OK] to save and exit to return to the previous Menu Setup screen

5.3.5 AUTO POWER OFF setting

1. Press [MENU] button to enter MENU Setup
2. Press UP/DOWN buttons to select AUTO POWER OFF
3. Press [OK] to enter AUTO POWER OFF mode
4. Press UP/DOWN buttons to select options: 1Min/ 3Min/ 5Min/ Off
5. Press [OK] to confirm
6. AUTO POWER OFF setting will be saved and will exit to return to the previous Menu Setup screen

5.3.4 DEFAULT Setting

Note: Default setting: Scan files in low resolution, color, JPG file format.

1. Press [MENU] button to enter MENU Setup
2. Press UP/DOWN buttons to select DEFAULT
3. Press [OK] to enter DEFAULT mode
4. Press UP/DOWN buttons to select DEFAULT options: Yes/No
5. Press [OK] to confirm
6. DEFAULT setting will be saved and will exit to return to the previous Menu Setup screen

5.3.6 FORMAT 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
2. Press [MENU] button to enter MENU Setup
3. Press UP/DOWN buttons to select FORMAT
4. Press [OK] to enter FORMAT mode
5. Press UP/DOWN buttons to select FORMAT options
 - a. YES: To FORMAT and erase contents in microSD card
 - b. NO: To exit FORMAT mode and return to previous Menu setup screen
6. Press [OK] to confirm selection and return to Menu Setup screen

5.3.7 DELETE FILE setting

1. Press [MENU] button to enter MENU Setup
2. Press UP/DOWN buttons to select DELETE FILE
3. Press [OK] to enter DELETE FILE mode
4. Press UP/DOWN buttons to select DELETE FILE options:
 - a. DELETE ONE: To delete last image scanned
 - b. DELETE ALL: To delete all files on microSD card
5. Press [OK] to confirm selection and return to Menu Setup screen

NOTE: You can delete images by accessing your files via the computer or delete all saved images by FORMATTING your memory card. Refer to Section 5.3.6

5.3.8 Software VERSION

To view scanner's version number:

1. Press [MENU] button to enter MENU Setup
2. Press UP/DOWN buttons to select VERSION
3. Press [OK] to confirm selection to display version number
4. Press [MENU] to exit and return to Menu Setup screen

5.4 How to calibrate the scanner

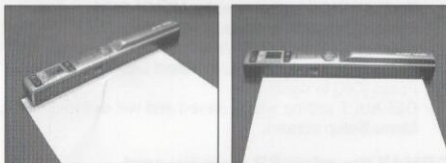
Note: Perform calibration only when white balance needs adjustment

1. With the dry cleaning cloth provided, clean the scanning lens located on the bottom of the scanner.
2. Turn on the scanner by pressing the [POWER] button. Place the scanner on the white area of the White Balance Calibration paper provided.
3. Press and hold the UP button. While holding the UP button, press the [POWER] button and then release both buttons to enter into auto-calibration mode. SD symbol  will flash and then stop. "GREEN" and "RED" LED light will turn on.
4. Do not move the scanner. Wait until the "RED" LED turns off. "GREEN" LED 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. Press and hold the [POWER] button to power off the scanner. Calibration is complete.

5.5 How to scan

Note: To scan, make sure your scanner is not connected to the computer.

1. Turn on the scanner by pressing the [POWER/SCAN] button for 2 seconds. SD card indicator  must appear on the display.
2. Hold the document firmly with one hand on a flat surface.
3. Place the scanner on the edge of the paper approximately 5/8 to 3/4 of an inch onto the page to ensure the whole 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.



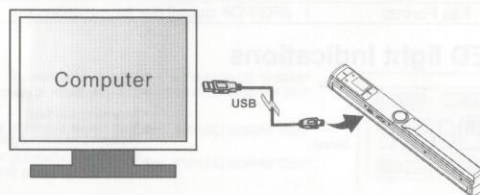
5. Slide the scanner slowly, keeping your hand stable to get the best quality picture.
6. Press the [SCAN] button again to stop scanning.

5.6 How to PREVIEW image

1. Press [PREVIEW] button to enter picture PREVIEW mode.
2. Press UP/DOWN buttons to preview previous image
3. Press [PREVIEW] button again to adjust ZOOM rate (x1/x2/x4/x8)
4. Press [OK] to confirm selected zoom rate
5. Press UP/DOWN or LEFT/RIGHT to view image in zoom mode.
6. To exit PREVIEW mode press the [SCAN] button once

5.7 Viewing your scan on a computer

1. Connect your scanner to your computer and then turn on your scanner. Display must show "USB."
 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.



6. Specifications

Image sensor	Color Contact Image Sensor
Resolution	Fine resolution: 900 dpi High resolution: 600 dpi Low resolution : 300 dpi(default)
File format	JPG(default)/PDF
Maximum scanning speed (A4 size/JPG or PDF)	fine resolution with color>12s fine resolution with mono>10s high resolution with color>8s, high resolution with mono >6s; Low resolution with color>3s, Low resolution with mono>2s;
Capacity (Based on 1GB microSD card. Scan A4 size file, the quantity of scans varies depending on the content complexity)	900dpi color: 200pcs/JPG or PDF (Min.) 900dpi mono: 220pcs/JPG or PDF (Min.) 600dpi color: 440pcs/JPG or PDF (Min.) 600dpi mono: 480pcs/JPG or PDF (Min.) 300dpi color: 1300pcs/JPG or PDF (Min.) 300dpi mono: 1500pcs/JPG or PDF (Min.)
Scan width	Approx. 8.35"
Approx. Scan length(the length varies depending on the content complexity)	300DPI: 46"(Max), 600DPI: 22"(Max) 900DPI: 12"(Max)
File format	JPG/PDF
LCD	Scanning status display
Auto Power Off	1mins, 3mins (default), 5mins, off,
USB Port	USB 2.0 high speed
External memory	microSD Card
Standard Battery	2XAA alkaline batteries

7. Computer system minimum requirement

Operating System	Windows® XP (SP3) , Windows® Vista™, Windows® 7 and Mac OS® 10.4 or above (direct plug-in, driver installation not required)
CPU	Pentium III or above
RAM	256M
Interface	USB port

8. Troubleshooting

Problem	Cause	Solution
Cannot turn on the scanner	1. Low battery power. 2. Battery not inserted properly	1. Replace or install the battery correctly

Pictures cannot be saved when you are scanning them	1. microSD card has not been installed properly 2. Memory is full 3. The microSD card has not been formatted properly	1. Install microSD card. Refer to Section 5.2 2. Download the pictures from the scanner to the computer to create storage space 3. Format the microSD card. Refer to Section 5.3.6
Computer does not recognize scanner when connected. (You cannot find removable disk)	Connection failure.	1. Make sure all cable connections are secured. 2. Check for USB 2.0 3. Restart the computer if necessary
The battery life is very short	Use wrong type of battery	1. Replace with new 2x AA alkaline batteries
Blurry images	1. Scanner sensor protective glass is dirty 2. Contact Image Sensor aged.	1. Clean the sensor's protective glass with clean, soft cloth. 2. Re-calibrate the scanner. Refer to Section 5.4
LED ERR. is on after power on	Calibration data is off-set	1. Re-calibrate the scanner. Refer to Section 5.4
ERR. LED is on when scanning a document	Scanning speed is too fast	1. Press the Power/Scan button to reset and scan the document again

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.

FCC (Federal Communications Commission)

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.

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