

# Magic Wand™ Portable Scanner

PDS-ST470-VP

User Manual



**[VuPoint]**®  
Solutions

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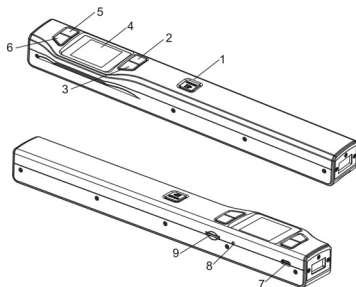
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# Getting to know your ST470 Portable Scanner

## 1. Key Features

- JPEG, PDF-A4 or PDF-Letter scan-format selection.
- Color or Monochromatic (mono) scan selection.
- 300 (LO) /600 (MI) /1050 (HI) DPI scan quality selection.
- Directly save JPG (JPEG)/PDF files to the microSD/microSDHC card.
- Support the microSD/microSDHC memory card up to 32GB.
- Color display to playback the scanned images
- Compatible to Windows® XP, Windows® Vista™, Windows® 7, Windows® 8, and Mac OS® 10.5 or above (direct plug-in, driver installation not required)

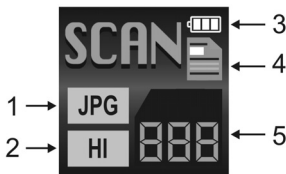
## 2. Functional Parts





1		<p>Power On/ Off: Press and hold this key for 3 seconds to turn power on or off.</p> <p>When the scanner is powered on, press this button to start scanning, press this button again to stop.</p> <p>In Setup mode, press this button to confirm changes.</p> <p>In Playback mode, press this button to change the magnification between 4x, 8x and normal zoom.</p>
2		<p>Press this button to enter Playback mode;</p> <p>Press this button to return to the previous screen</p> <p>In Setup mode: Press this button to exit Setup mode.</p>
3		<p>Press this button to enter Setup Menu</p> <p>In Playback mode: Press this button to enter single file delete option.</p> <p>When zooming in under Playback mode: press this button to shift the functions of  and  between UP/DOWN and LEFT/RIGHT.</p>
4	LCD screen	Display scanning status, scanned image and scanner settings.
5		<p>Press this button to select JPG (JPEG), PDF-A (PDF-A4) or PDF-L (PDF-Letter) file format. The icon of the selected mode will be displayed on the LCD screen.</p> <p>In Setup mode: Press this button to move up the selection bar.</p> <p>In Playback mode: Press this button to preview the pervious image.</p> <p>When zooming in under Playback mode: press it to move to the upper/left portion of the image.</p>
6		<p>Press this button to select LO (300dpi), MI (600dpi) or HI (1050dpi) scan quality in DPI. The icon of the selected quality will be displayed on the LCD screen.</p> <p>In Setup mode: Press this button to move down the selection bar.</p> <p>In Playback mode: Press this button to preview the latter image.</p> <p>When zooming in under Playback mode: press it to move to the lower/right portion of the image.</p>
7	USB interface	Connect to a computer with the USB cable provided to view and transfer files.

		To charge the built-in battery with an optional AC/DC power adapter
8	Reset	Press to reset the scanner (Hardware reset)
9	microSD card slot	The microSD/microSDHC card storage location.

### 3. Explanation of the Status Icons



Item	Function	Description
1	File Format	JPG/PDF-A/PDF-L
2	Scan Resolution	LO: 300 DPI / MI: 600 DPI / HI: 1050 DPI
3	Battery Power Indicator	 Fully charged  Low battery. Recharge needed
4	Scan Color	COLOR/MONO
5	File Counter	Shows the number of scanned files in the microSD card

### 4. Using the Scanner

#### 4.1 Charging the Battery


Charge the built-in battery before using the scanner.

Charge time (while scanner is off): Approx. 2.5 hours.

**Two charging methods:**

1. By connecting to an AC/DC power adapter via the USB interface (Not included).
2. By connecting to a computer via USB cable (supplied).

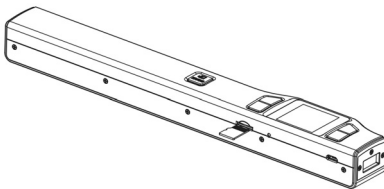
**Note:**

Once the battery is fully charged while the scanner is off, battery indicator  will display on LCD screen for a short time and will turn off automatically.


## 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. To insert 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 the card is clicked in and latched.



## 4.3 Turn on/off the Scanner









Turn on/off the scanner by pressing and holding. 

**Note:**

If the scanner is turned on for the first time, it will enter Date & Time/Language setup mode. Once the Date & Time/ Language setting is completed, scanner will enter into standby mode.


By default, Auto-off feature is set to 3 minutes. If the Auto-off feature is set at "3 Min" (refer to section 4.7), the scanner will automatically turn off if scanning action is not detected within 3 minutes.

### To set Date & Time/Language:


1. Press  to jump to next setting option: YEAR → MONTH → DATE → HOUR → MINUTE.  
When setting up the value for MINUTE, press  to switch to the previous setting option until it reaches the YEAR option.
2. Press  or  to set the figure corresponding to each setting.
3. Press  to confirm and move to next setting.
4. After completing the setting for MINUTE, it will enter Language setup screen.
5. Press  or  to select English, Spanish or French.
6. Press  to confirm and enter into standby status.

## 4.4 How to Scan

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

1. Turn on your scanner by pressing and holding  for 3 seconds.
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 edge of the paper to ensure the whole document can be scanned. Make sure to keep the scanning area within the scanning width indicators marked on the side of the scanner.




4. Hold the scanner flat against the material and then press  once to start the scanning process.



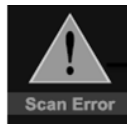
5. Slide the scanner across the document slowly, keeping your hand stable to get the best picture quality. During scanning, the scanning status icon will be displayed on the LCD screen to indicate scanning is in progress.



Once the scanner has reached the end of the document, press  again to stop scanning

**Notes:**

- If the scan is done too quickly or when there is any abnormal operation, "Scan Error" icon will display on the LCD screen. The image will still be saved after the scanning stops.



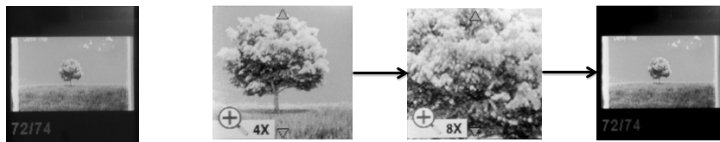


- If Instant Preview feature is set to "on", scan result will shortly be displayed on the LCD screen before the scanner returns to standby mode.
- When the memory card is full, the scanner is unable to scan more images. If you press the scan button under such situation, "Full" will flash rapidly on the File Counter of the LCD screen for 2 seconds.

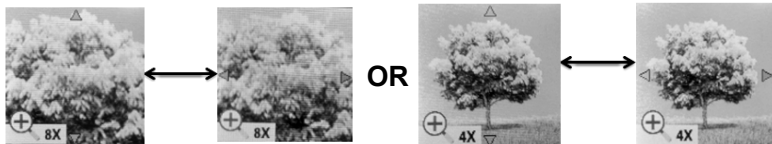



## 4.5 How to Playback Image

1. Press to enter Playback mode. The last scanned image will be displayed.
2. Press or to select your desired image. Press to zoom into the image. and navigational indicators will appear on the screen.
3. Press to change the magnification between 4x, 8x and normal zoom.










4. Press to view the upper portion of the image; Press to view the lower portion of the image.
5. Press to shift and navigational functions to and . Press or button to view the left or right portion of the image. Press to change directions anytime.






6. Press  to return to the previous Playback screen, press it again to return to standby mode.

**Note:** Images that exceeds 9MB file size cannot be magnified.





## 4.6 Delete Single File

1.	Press  to enter Playback mode.
2.	Press  or  to select the file you want to delete.
3.	Press  to enter Delete File setting.
4.	Press  or  to select Yes or No. Select "Yes" to delete the current file in the microSD card. Select "No" to return to previous Playback screen.
5.	Press  to confirm your selection and return to the previous Playback screen.

## 4.7 Setup Menu

1. Press  to enter Setup menu
2. Press  or  to exit Setup menu.





**Follow the below three steps to enter setup screen for each Menu item:**

1. Press  to enter setup mode.
2. Press  or  to select the Menu item you want to set.
3. Press  to enter the setup screen.

Menu items	Description	Options
JPG/PDF	Scan Format	<ul style="list-style-type: none"> <li>• JPG</li> <li>• PDF - A (A4)</li> <li>• PDF - L (Letter)</li> </ul>
Quality	Scan Quality (DPI)	<ul style="list-style-type: none"> <li>• Lo (300 DPI)</li> <li>• Mi (600 DPI)</li> <li>• Hi (1050 DPI)</li> </ul>
Color	Scan Color	<ul style="list-style-type: none"> <li>• Color</li> <li>• Mono</li> </ul>
Language	Menu language	<ul style="list-style-type: none"> <li>• English</li> <li>• Spanish</li> <li>• French</li> </ul>
Date/Time	Date and Time	<ul style="list-style-type: none"> <li>• Year</li> <li>• Month</li> <li>• Date</li> <li>• Hour</li> <li>• Minute</li> </ul>
Inst. Preview	Instant preview	<ul style="list-style-type: none"> <li>• On</li> <li>• Off</li> </ul>
Auto Off	Auto Power Off	<ul style="list-style-type: none"> <li>• Off</li> <li>• 3 Min</li> </ul>
Delete All	Delete All Files	<ul style="list-style-type: none"> <li>• No</li> <li>• Yes</li> </ul>
Format	Format the microSD Memory Card <b>Note:</b> All contents on microSD card will be erased during formatting	<ul style="list-style-type: none"> <li>• No</li> <li>• Yes</li> </ul>
Device Info	Device Information	/

## 4.8 How to Calibrate the Scanner


**Note:** If the scanned images are too dark or too bright, you may need to calibrate your scanner by adjusting the white balance. Follow the below steps to perform calibration:

1. Wipe off any dirt on the surface of the scanning lens with the clean dry cloth provided.
2. Press  to turn on the scanner. Place the scanner on the white area of the White Balance Calibration paper provided.
3. Press and hold  button. While holding the  button, press the  button and then release both buttons to enter into auto-calibration mode. The message “1. Calibration starts. Do not move the device!” will appear on LCD screen.
4. Do not move the scanner until “2. Scan the calibration sheet!” appears on the LCD screen. Start scanning the white area of the calibration paper by sliding the scanner across the paper (slide the scanner backwards if necessary).
5. “3. Calibration completed!” message will appear on the LCD screen when calibration is completed.
6. Press any button to power off the scanner.

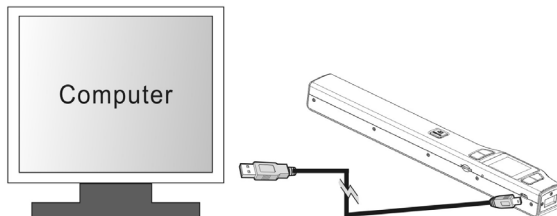
## 5.Connecting to Computer

### View your scanned files on your computer

You may also connect your scanner to your computer and view pictures on the computer monitor

1. Press and hold  to turn on your scanner, connect your scanner to your computer to enter into USB mode. “USB” icon will display on LCD screen.
2. Your computer will recognize the scanner as a “Removable Disk”. Click “Open folder to view files” to view, import, copy, move or to delete scanned

files.



**Note:** If the Removable Device window did not launch automatically, go to your "My Computer/Computer" (PC) and find the device under Removable Storage.

## 6. Specifications

Image sensor	Color Contact Image Sensor	
Resolution	Low resolution : 300x300 dpi Medium resolution: 600x600 dpi High resolution: 1050x1050 dpi	
Minimum scanning speed for Letter size document	Color High resolution Mono High resolution Color Medium resolution Mono Medium resolution Color Low resolution Mono Low resolution	12.0 Seconds 10.0 Seconds 8.0 Seconds 6.0 Seconds 3.0 Seconds 2.0 Seconds
Capacity (Based on 1GB microSD card. Scan Letter size file, the quantity of scans varies depending on the content complexity)	Color High resolution Mono High resolution Color Medium resolution Mono Medium resolution Color Low resolution Mono Low resolution	140 Scans (Min.) 150 Scans (Min.) 550 Scans (Min.) 600 Scans (Min.) 1580 Scans (Min.) 1600 Scans (Min.)
Scanner photo size	A4、A5、5R、4R、3R and smaller	
Scan width	Approx. 8.5"	
Scan length	300DPI:125"(max);600DPI:60";(max);1050DPI:50"(max)	
File format	JPEG/PDF	
LCD	Approx 1.5" Class* TFT LCD	
Zoom	4x, 8x	

Dimensions (L×H×W) mm	10.5"×1.1"×1.5"
Auto power off	3 Minutes
USB port	USB 2.0 high speed
External memory	microSD/microSDHC card
Standard battery	Built-in 700mAH Lithium-Polymer
Battery charge time	Approx. 2.5 hours

## 7. Computer System Minimum Requirements

Operating System	Windows® XP, Windows® Vista™, Windows® 7, Windows® 8, and Mac OS® 10.5 or above (direct plug-in, driver installation not required)
CPU	Pentium III or above
RAM	At least 256MB
Interface	USB port

## 8. Troubleshooting

Problem	Cause	Solution
Cannot turn on the scanner	Low battery power	Recharge the battery
Pictures cannot be saved while you are scanning them	1. The microSD card has not been installed 2. Memory is full 3. The microSD card has not been formatted properly	1. Insert a microSD card 2. Transfer the pictures from the scanner to the computer to create storage space in the memory card 3. Please refer to section 4.7
Computer does not recognize your scanner when connected(You cannot find your device	Connection failure	1. Make sure all cable connections are secured 2. Restart the computer if necessary

under removable disk)		
Blurry images	1. The lens of scanner is dirty 2. Contact Image Sensor aged	1. Clean the lens with soft and dry cloth 2. Recalibrate the scanner. Refer to section 4.8
Black Images/Black or white vertical lines	1. Scanner sensor's protective glass is dirty 2. Calibration data is off-set	1. Clean the sensor's protective glass with clean and soft dry cloth. 2. Recalibrate the scanner. Refer to section 4.8

Note: Model Number and Serial Number (S/N) is located on the packaging, instruction manual, on the product or inside the battery compartment. Please have this information ready before contacting tech support.

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.

\*Measured diagonally. Actual size is 1.48"; viewable area is 1.44"

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