W4GD

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2-in-1 PORTABLE Wi-Fi SCANNER
User Manual

1 List of accessory

USB cable, Scanner, Docking station, Software CD, User Manual, Pouch.

2 Product Introduction

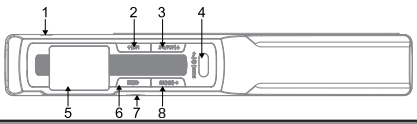
This is a kind of 2-in-1 Portable Wi-Fi Scanner, it works as handy scanner when use it alone and it also work as an automatic feeding scanner when use with docking station. Via DIRECTSCAN Pro apps, it can scan & Wi-Fi transfer the image to mobile devices directly (iOS & Android).
With batteries & Micro SD card, it can work without PC. When work with PC, it is no need for Micro SD card & batteries. DIRECTSCAN software included and it provides these functions of Picture Direct, OCR Direct, BCR Direct, Scan and OCR.
In this way, it can input these pictures into your needed software and do the OCR conveniently.
It can be previewing after you completed scanning. It is also very convenient to carry and you can use it to scan almost anything. It can be connected to iPad & Android tablets to load scanned pictures directly.

3 Product Specifications

Product Size(LxWxH)	Scanner: 257 mm x 36 mm x 24 mm Dock: 287 mm x 88 mm x 52 mm Scanner + Dock: 287 mm x 88 mm x 76 mm
Weight	Scanner: 150g Dock: 350g Scanner + Dock: 500g
Sensor type	CIS (Contact image sensor)
Resolution	300DPI (default) , 600DPI , 1200DPI
Scanner speed	A4 length: 1200DPI with color: ≤ 8s 1200DPI with mono: ≤ 5s 600DPI with color: ≤ 5s 600DPI with mono: ≤ 5s 300DPI with color: ≤ 5s 300DPI with mono: ≤ 5s
Scan width	216mm
Scan length	300DPI: ≤ 1200mm 600DPI: ≤ 1200mm 1200DPI: ≤ 1200mm
External memory card	Micro SD card (TF Card) up to 32GB
Output file format	JPEG/PDF
Display Panel	1.45" Color LCD (480*320)
Focus range	Contact, ±0.3mm
USB Port	USB 2.0 high Speed
Power source	Scanner: 3 x AA batteries or USB Docking: 6 x AA batteries or USB
USB mass storage	Windows XP / Win7 / Vista or above Mac 10.4 or above
CD software System requirement	Operation System: Windows XP / Win7 / Vista or above CPU: Pentium III or above RAM: At least 256MB CD ROM: 4x speed CD ROM or above

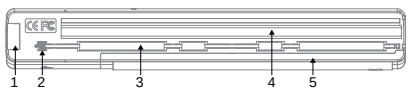
4 Introduction on appearance

4.1 Front View



No.	Name	Function / Description
1	USB Port	When plug in USB cable and connect with PC, it can scan and input directly. It also can use USB cable to provide 5V power supply and it is no need to load batteries. Supplied USB cable with ferrite must be used with this unit to ensure compliance with the Class B FCC limits
2	Up / Resolution	In menu mode, Upward function; In main interface, Resolution selection
3	Down/File format	In menu mode, Downward function; In main interface, File format selection
4	Power/Scan	Power on / Power Off / Menu Power off mode,press this button for 2 second to turn on Power on mode, press this button for 2 second to turn off Power on mode, you can also press this button shortly to start or end scanning
5	TN Screen	Show all the working status
6	Enter	Preview the scanning image
7	SD Slot	The place to insert Micro SD card
8	Menu	Enter into menu, this button is to confirm the function on the menu

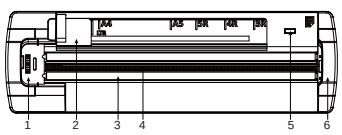
4.2 Bottom View



No.	Name	Function / Description
1	Interface	To connect scanner & docking station
2	Roller	Transfer the rolling signal for scanner internal processing
3	Roller	Assist scanner to slide
4	CIS Glasses	Sensor part
5	Battery Cover	You can load 3xAA batteries after opening. Scanner cannot recharge these batteries itself and you need to take out for recharging if applicable.

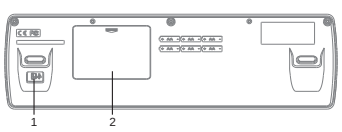
4.3 Front View of Docking Station

No.	Name	Function / Description
1	Connector	To connect scanner
2	Adjustable Plate	To fix scanning document width
3	Roller	To transport documents for scanning
4	Detecting Bar	To detect if scanning document goes into working field or not
5	Sensor	To detect scanning document and activate motor
6	Button	To fix scanner on docking station



4.4 Bottom View of Docking Station

No.	Name	Function / Description
1	USB Port / Power Slot	To connect PC for scanning from this USB port. Also, you can plug in power supply for operations.
2	Battery Cover	To load battery after opening the cover. Scanner cannot recharge itself and you need to take out for recharging if applicable.



5 Introduction on assembly & disassembly

5.1 How to load the scanner on the docking station

1. Put docking station on the table and the front upward,
2. One hand takes scanner and keep scanner front upward;
3. Load scanner left side on the docking station firstly and then put the left side into the docking station;
4. Press the right end slight and then you will hear "Ding" sound after connection completed.

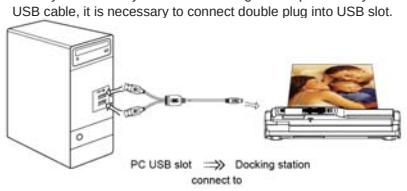


5.2 How to disassemble scanner from docking station

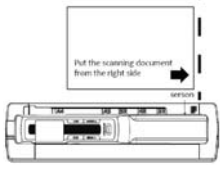
Using your right hand to press the button the docking station right side and another hand takes scanner from right side, then take it out from the docking station.

Attentions:

1. When you use handy scanner + docking station powered by USB cable, it is necessary to connect double plug into USB slot.



2. Correct paper feed orientation.



6. Introduction on Micro SD card capacity

Below is the store capacity for 2GB card based on A4 standard paper side:

2GB Micro SD Card	JPG			PDF		
	300Dpi	600Dpi	1200Dpi	300Dpi	600Dpi	1200Dpi
Color	1600	600	120	1600	600	120
Mono	2000	800	120	2000	800	120

Remark: the quantity may vary due to different file color, size or content and the above information just for reference.

7. Introduction on TFT Display

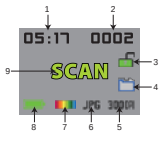
When you swith on the scanner powered by batteries, you can use Micro SD mode to scan / Wi-Fi mode
- Main Menu, scan and save into Micro SD
- Micro SD mode, scan & save into TF card

When you swith on the scanner powered by USB cable, you can choose PC or Micro SD mode to scan / Wi-Fi mode
- PC mode, working with DIRECTSCAN software
- Wi-Fi mode, working with DIRECTSCAN apps



7.1 Introduction on TFT Display

Right is the image for the TFT display:



NO.	Name	Description
1	Time	Show setting time(hour: minutes: seconds)
2	Scanning QTY	Show the scanning QTY in the Micro SD card
3	Encryption Select	Encrypting Not Encrypting
4	Micro SD Card Status	To indicate Micro SD card status:1. No signal means no Micro SD card insert. 2. Signal means Micro SD insert. 3. Signal means Micro SD card is full.
5	Resolution	Resolution rate
6	Format Select	Scanned file format
7	Color format	scanning image is mono or color
8	Battery Status	To indicate the battery status: Full power. Half power. Little power. Almost use up.
9	Status Display	Showing scanning or connecting the PC

7.2 How to set Menu

Load scanner with Micro SD card & batteries and press "[SCAN|⏻|→]" for 2s to start.
Press "[⏮|🗑]" button to enter and you can set color, resolution, file format, encrypted / not encrypted, format, time and reset here.
Press "[↑|DPI]" or "[JPG/PDF|↓]" to choose menu, press "[SCAN|⏻|→]" to enter the submenu option and press again to confirm after selecting.
Press "[⏮|🗑]" button to exit menu or pause about 5 seconds to return to main interface.

7.2.1 Color setting

Press "[⏮|🗑]" button to start and press "[SCAN|⏻|→]" to enter. Choose " " menu, press "[SCAN|⏻|→]" and enter color option:
" " show color mode, the scanned image will be colorized one; " " show mono mode, the scanned image will be black & white, press "[↑|DPI]" or "[JPG/PDF|↓]" to choose.
Press "[SCAN|⏻|→]" button to exit the submenu.

7.2.2 Resolution setting

Choose " 300DPI " menu, press "[SCAN|⏻|→]" button and enter the resolution option: 300dpi, 600dpi and 1200dpi can be chosen, press "[↑|DPI]" or "[JPG/PDF|↓]" to select. Press "[SCAN|⏻|→]" button to exit the submenu.
During standby status, you can press "[↑|DPI]" to select resolution directly

7.2.3 File format setting

Choose " JPG " menu, press "[SCAN|⏻|→]" button and enter file format option: JPG or PDF format can be chosen, Press "[↑|DPI]" or "[JPG/PDF|↓]" to select.
Press "[SCAN|⏻|→]" button to exit the submenu.
During standby status, you can press "[JPG/PDF|↓]" to select file format directly

7.2.4 File encryption setting

Choose " " menu, press "[SCAN|⏻|→]" button to enter file encryption option: " " show scanned file encrypted, " " show scanned file not encrypted, press "[↑|DPI]" or "[JPG/PDF|↓]" to select.
Press "[SCAN|⏻|→]" button to exit the submenu.
Remark: 1. File locking or unlocking can only work after Micro SD card formatting;
2. The file can be read only if you put the Micro SD card into scanner and connect to computer.

7.2.5 Formatting setting

Note: after formatting, all the data in the Micro SD card will be lost, please make sure before formatting
Choose " " menu, press "[SCAN|⏻|→]" button to enter formatting option: " " indicate not formatting, " " indicate formatting the Micro SD card.

7.2.6 Time setting

Choose " " menu, press "[SCAN|⏻|→]" button to enter time setting.
When YEAR/MONTH/DAY/HOUR/MINUTE shows on the right upper part of the TFT display, you can set the YEAR/MONTH/DAY/HOUR/MINUTE, press "[↑|DPI]" or "[JPG/PDF|↓]" to adjust and press "[SCAN|⏻|→]" button to confirm and enter the next time setting.

7.2.7 RESET setting

Under Wi-Fi mode, press "[⏮|🗑]" button into " RESET " select: " " stands for not formatting, " " stands for formatting Micro SD card.

7.2.8 Previewing and deleting picture

During the standby status, you can press "[⏯|⏭]" button to preview the scanned image and press "[↑|DPI]" or "[JPG/PDF|↓]" to view whole images.
If you need to delete any document, you can press " " button to enter and there will appear " " & " " option,: " " indicate not deleting, " " indicate deleting. Press "[SCAN|⏻|→]" button to confirm.

8 Introduction on connecting with Tablets

8.1 Connect to iPad to read SD card

1. Switch on the scanner.
2. Connect the scanner to the iPad by USB cable & *iPad connection kit.
3.The saved pictures in the SD card will be displayed automatically.

8.2 Connect toAndroid Tablets to read SD card

1. Switch on the scanner.
2. Connect the scanner toTablet via USB cable.
3. DCIM folder will show on the screen, double click to enter the folder for loading pictures.
Attention:The scanner can only work with iPad &AndroidTablet when it is detached from Docking.

9. Operations for DIRECTSCAN APP

9.1 Download APP

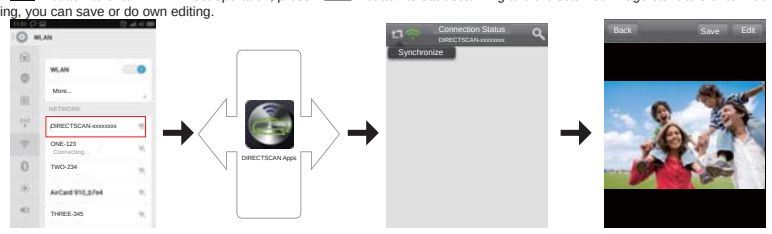
Download " " DIRECTSCAN app from App Store (iOS) or Play Store (Android) and setup.

9.2 How to connect scanner Wi-Fi

1. Press "[⏻|→]" button and switch on scanner. Then press "[DPI] / [JPG/PDF]" button to select Wi-Fi mode, red Wi-Fi sign " " on the screen will be flashing and Wi-Fi sign " " will turn into green in 30 seconds. Now, Wi-Fi mode starts;
2.Switch on WLAN setting on your mobile device and search scanner Wi-Fi account, as "(DIRECTSCAN – XXXXXXX), then type password to connect (Default password: 12345678);

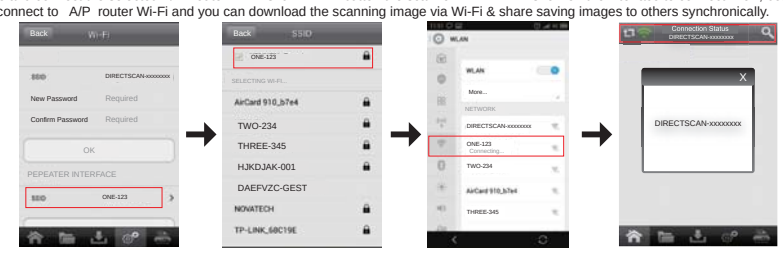
9.3 Wi-Fi Direct

Click " " DIRECTSCAN app to start, green Wi-Fi sign " " means Wi-Fi connected, press " " button can view all the documents saved in Micro SD card, press " " button to enter Wi-Fi Direct operation, press " " button to start scanning and the scanned image can transfer to mobile devices directly. After scanning, you can save or do own editing.



9.4 Wi-Fi Repeat

press " " button to enter Wi-Fi setting " " interface and choose a A/P Router Wi-Fi, input password and connect. Then go to mobile device Wi-Fi setting interface and connect the selected A/P Router Wi-Fi.Click " " button the scanner Wi-Fi ID will show on the interface to connect. Now, both scanner & mobile device connect to A/P router Wi-Fi and you can download the scanning image via Wi-Fi & share saving images to others synchronically.



App interface | App interface | mobile device interface | App interface

9.5 Download & save pictures

1. Use DIRECTSCAN app.
2. Open DIRECTSCAN app and click to connect.
3. Select you needed pictures and touch Download to download.



4. the downloaded images will be listin , select the image for editing directly.Pressing Edit ,you can make relevant editing on the selected images,such as delete,remove etc. Click to select image and the selected image will be showing . Then Pressing Add to button and save image to your target location.



5. Click Create to create new folder and name.

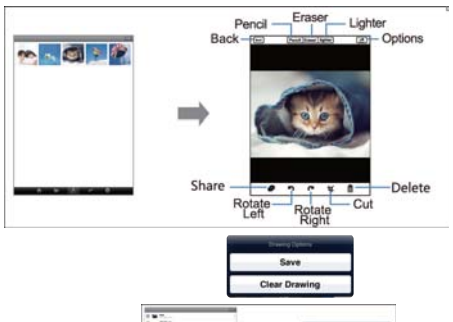
6. Select your target folder and press Save button to save.

9.6 Editing picture

1. Select the pictures for editing.

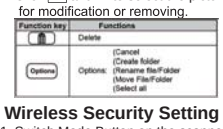
Function key	Functions
Back	Return to previous step
Pencil	Pencil
Eraser	Eraser
lighter	Lighter
	Save editing image
	Share
	Rotate antiiclockwise
	Rotate clockwise
	Crop
	Delete

2. Save editing image After editing completed, press to save image.



9.7 Modify remove folder

1. Click and to select the picture & folder and click for modification or removing.





9.8 Wireless Security Setting

1. Switch Mode Button on the scanner to setting mode(Left).
2. Press button and it will show the interface of Wireless Security Settingas below image. Then you can set SSID & Password here.



10 Computer modify SSID & Password

10.1 Turn on scanner and switch the button to Wireless Lan mode

1. Turn on scanner and switch the button to Wireless Lan mode; open "Wireless Network Connection" at your PC and then press "Refresh network list".
2. After refreshing, Wireless Lan "DIRECTSCAN-XXXXXXXX" will turn up and the last 8 numbers are the same as the last 8 number of MAC Address on your scanner. Double click the Wireless Lan and press the default password "12345678" to connect.





3. Open the explorer to type 10.10.1.1 and switch the button to Wireless Lan setting mode after connecting. Press the Settings menu on the left top of page to enter and submit the setting after modifythe SSID & password. The newly SSID & password will take effect when you resume the scanner.





Remark: Password should be 8 numbers.

11 Introduction on connecting with PC

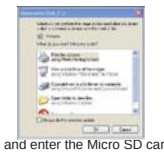
11.1 Scanning to Micro SD card

Insert Micro SD card and plug in USB cable (no need for batteries).
Press " [SCAN/⏻/↵] " button about 2 seconds, power on, then blinking in the lower part of the TFT, press ▲ or ▼ quickly to shift to it shows file exported to Micro SD card.
Handle the scanning refer to 8.2 & 11 description

11.2 Mass storage mode

Just insert Micro SD card into the scanner and no need to setup any driver. It works with Windows and Mac system as below:

Works with Windows system (support WinXP, 7, Vista)
After plugging in USB cable, the PC screen shows as below:



Double click to open and enter the Micro SD card memory.

Then you can see your scanned images into the DCIM folder;

Work with Mac (support Mac10.4 or above)
After plugging in USB cable, the PC screen shows as below:



Double click to open and enter the Micro SD card memory.

Then you can see your scanned images into the DCIM folder;

11.3 Scanning with DIRECTSCAN software

When you use DIRECTSCAN software to scan with PC, the defalut resolution is 300 dpi and file format is JPG.

11.3.1 Setup the included software

Insert the CD into the CD driver, double click the setup in the disc and choose the language you will use, click the next button until the installation completed.



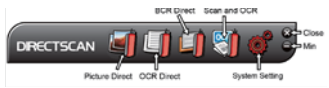
11.3.2 Setup the included software

1 After the software was installed, an icon will be shown on your computer desktop.



DIRECTSCAN

2 Connect the scanner to your computer, double click the "DIRECTSCAN" icon, a DIRECTSCAN tool bar will be appeared as below:



Remarks:
The preset language is English when you start the installation software at the first time and you can select another system language from the "setting" on function icon.



11.3.3 Picture Direct

1 Click "Picture Direct" icon, the function icon will be appeared as right picture:

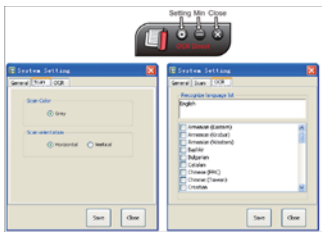


2 Click the "Setting" button, then you can set the system language and scan color / orientation. After you finished the setting, click "Save" button to save the setting, then you can start to scan.

3 Select and open any office software or MSN / Skype / QQ communication software that you want to insert a photo, then place the mouse cursors in the selected software and location.
Press and hold the " [SCAN/⏻/↵] " button on the scanner to start scanning.
Slide the scanner with the direction as below. After finish the scanning, release the " [SCAN ⏻] " button. The scanned picture will be inserted to your appointing software directly.

11.3.4 OCR Direct

1 Click "OCR Direct" icon, the function icon will be appeared as right picture:

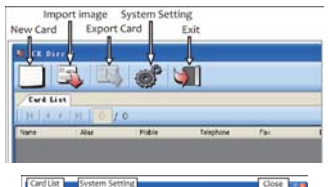


2 Click the "Setting" button, then you can set the system language, scan orientation and OCR language, after you finished the setting, click "Save" button to save the setting, then you can start to scan.
*Please select not more than 3 languages for OCR.

3 Select and open any office software or MSN / Skype / QQ communication software that you want to insert text, then place the mouse cursors in the selected software and location. Press and hold the "Scan" button on the scanner to start scanning.
Slide the scanner with the direction as setting.
After finish the scanning, release the "Scan" button. The scanned text will be inserted to your appointed software directly for editing.

11.3.5 BCR Direct

Click "BCR Direct" icon, the user interface will be appeared as right picture:

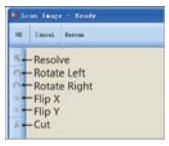


New card:
1 Click the "New Card" button, the user interface for creating new card will be appeared as right picture:
Card List: You can find all saved cards in the list.
Card Information: All card information.
Scan Image: Click "Scan Image" button to scan name card.
Recognize language: You can choose recognize language according to card information.
Recognize: Recognize card information.
Save: Save card.
Close: Exit new card.



2 Click the "System Setting" button, then you can set the system language and scan color / orientation, after you finished the setting, click"Save" button to save the setting, then you can start to scan.

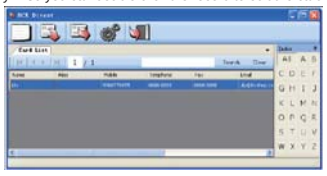
3 Click the "Scan Image" button, the user interface will be appeared as right picture:
Press and hold the "Scan" button of scanner to start scanning. After finished the scanning, release the "Scan" button. The scanned picture will be inserted to this software directly, then you can click "OK" button to confirm the scanned picture and back to New Card interface, the scanned picture will be inserted to New Card interface automatically.



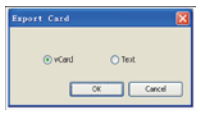
Select recognize language, then click "Recognize"button to information of scanned card as below:



After you finish card edit, click "Save" button to save scanned card recognize all and back to "Card list" interface, it will add a new record in the card list automatically. Also you can double click the record to edit the card.

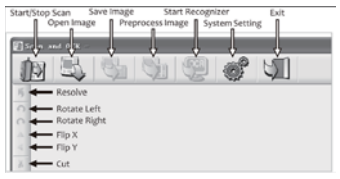


Import image
Click the "Import image" button, then you can import card to the software.
Click "Open Image" button to open a card from your computer, the card will be inserted to this software directly, then you can click "OK" button to confirm and back to New Card interface, the scanned picture will be inserted to New Card interface automatically. Then you can edit and manager the card same with New Card.
Export Card
Firstly, press the "Export Card" button and select the format to proceed, then save the card to your computer and you can input the card from the saved location.
Text format: there will be a folder named as Card Person name in the saved location and it includes a card picture & Text file;
vCard format: there will be a vCard format file named as Card Person name in the saved location.



11.3.6 Scan and OCR

1 Click "Scan and OCR" icon, the user interface will be appeared as below:



Button Name	Functions
Start/Stop Scan	Start/Stop Scanning
Open Image	Insert pictures to the software from computer
Save Image	Save scanned pictures to computer
Preprocess Image	Preprocess the picture in the software
Start Recognizer	Recognizing and export the picture to Word/Excel/Text files directly
System Setting	Set the system language, scan color & orientation and OCR language
Exit	Exit the software
Resolve	After you cropped the picture, then you can click "Resolve" button to retrievt it
Rotate Left	Rotate the picture to left
Rotate Right	Rotate the picture to right
Flip X	Flip vertical
Flip Y	Flip Horizontal
Cut	Press and hold the left button of mouse to select desired area, then click "Cut" button to crop the picture

2 System Setting
Click the "System Setting" button, then you can set the system language, scan color / orientation and OCR language/Export format. After finished the setting, click "Save" button to save the setting, then you can start to scan.

*Please select not more than 3 languages for OCR.



3 Scan and OCR
a) Scan pictures
Click "Start/Stop Scan" button, press and hold the "Scan" button of scanner to start scanning. After finished the scanning, release the "Scan" button. The scanned picture will be inserted to this software directly, then you can click "Save Image" button to save the scanned picture to your computer.



b)Open pictures from computer Click "Open Image" button to open a picture from your computer, the picture will be inserted to this software directly.



c) OCR
Click "Preprocess Image" button to preprocess the picture, the image will be change to Black and White picture as right picture :
Click "Start Recognizer", then select folder and file name. After confirm the setting, the software will start recognizing and export the picture to Word/Excel files automatically .

12 Operations & Attentions for Handy Scanning without + docking

12.1 Power by batteries

11.1.1. Load the Micro SD card & batteries according to these signs on the scanner and press [ ] for 2s to open.
11.1.2. Set your required color, resolution, JPG/PDF and Encryption.
11.1.3. Put the document on the flat table.
11.1.4. Put the scanner on the document and ensure the documents including the valid scanning width.
11.1.5. Press " [ ] " and the TFT display shows SCAN. It goes into scanning status.
11.1.6. Hold the scanner and slide according to your required direction until scanning completed.
11.1.7. Press " [ ] " again to exit scanning mode and one more file number will be added. In this way, it means the scanned file was stored into Micro SD card.
Remarks:
1. When scanning, if the speed is too fast or speed not in constant, there will be signal, and there will be ERROR in the TFT. You should stop scanning and scan once in constant.
2. During the scanning process, you would better to slide the scanner levelly and or it will make the image in bad conditions.



3. When scan a document, you should keep the scanner on the document properly without any tilt or big gap.



12.2 Please pay much attention to the following points when you scan:

- Please make sure you input the Micro SD card when you make handy scanning, or it can not work.
- Please do not take out the Micro SD card before the scanning completed.
- Please set the time & date when you open the scanner and the scanning date on the document just keeps the same as the setting.
- Please do not leave any finger printing or dirt on the CIS glasses and it may affect the scanning quality.

13 Introduction on Scanner + Docking station

13.1 Introduction on the application of handy scanner + docking station

Attention:
The batteries and USB cable should be connected when the scanner works with docking station
If you use the docking station batteries to supply power, the scanner can work whether you load the batteries on the scanner or not .
It only works when you plug the USB cable into the docking station. However, it can not work if you plug the USB cable into the scanner for PC connecting or power supply.

13.1.1 The ways to scan without plugging in USB cable

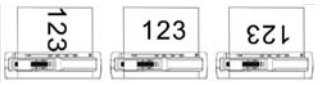
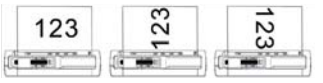
Load the scanner on the docking station according to the point 6;
Load 6xAA batteries on the docking station;
Set the menu according to point 8;
Adjust the paper tray according to the document width;
Put the scanning image upward and push it into the paper tray;
The automatic feeder will run the paper after the scanner detects and you can release the paper for auto scanning;
The automatic feeder will stop work after the paper goes out and the scanning has completed. After that, the picture number will be increased by 1 piece on the TFT display and it means the scanned image was stored.

13.1.2 Usage when insert into USB

Please refer to 9, and please note below two point:
1. Insert the USB cable into the USB slot of docking station, not the scanner;
2. When scanning, do not press [↵/⏻/SCAN] button, paper can be feed automatically, please refer to paper auto feed method 12.1.

13.1.3 Paper feed orientation when scanning with the docking station

When scanning with the DIRECTSCAN software, paper feed orientation should be followed as below, then scanning Image will be correct

Paper orientation	Orientation setting	Correct paper feed orientation	Wrong paper feed orientation
123	Horizontal		
	Vertical		

When scanning without the DIRECTSCAN software, paper feed orientation should be followed as below, then scanning Image will be correct

Paper orientation	Correct paper feed orientation	Wrong paper feed orientation
123		

13.2 Attentions on the application of scanner + docking station

Please pay much attention to the below points when you use the scanner with docking station.
Not all the paper can go through the scanner and please see the below listed types:

	Type	Problems may arise
Not applicable documents	Papers with more than 1.0mm depth	The paper may jam on the process
	Very soft paper or clothing	It may not run
	Paper width exceeds 216mm	It can not input the paper tray

If these documents are in special shape (triangle, round, diamond, etc.), some area may be cut by the bottom automatic detective bar and please see the details as below:

Paper in	Shape	Problems may happen	Proposed solution
↓	▽	The area surpassing the dotted line may be cut	Turn around the document and put the longest side go firstly
↓	▽	The area surpassing the dotted line may be cut	Turn around the document and put the longest side go firstly
↓	○	The area surpassing the dotted line may be cut	Put the round document onto a rectangular paper and then make the scanning
	Others	The surpassing area may be cut if the longest side does not go firstly	Please keep the longest side go firstly and please use same way as the round document if the longest side is not at the end edge

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.

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.

*iPad connection kit not included.
All trademarks are the property of their respective owner.