2-in-1 PORTABLE SCANNER
User manual

1 List of accessory

Scanner, Docking station, CD, User Manual, Pouch, Length of the shielded USB cable is 1m, with one ferrite ring must be used with this unit to ensure compliance with the Class B FCC limits.

2 Product Introduction

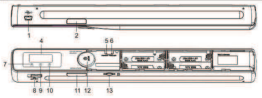
It is kind of 2-in-1 scanner, it works as handy scanner when use it alone and it also works as an automatic feeding scanner when use with the docking station.
With batteries & SD card, it can work without PC. When work with PC, it is no need for SD card & batteries.
Magiscan software included and it provides these functions of Picture direct , OCR Direct , BCR Direct , Scan and OCR.
In this way, it can insert these pictures into your needed software and do the OCR conveniently. High speed Wi-Fi transmission.
It is also very convenient to carry and you can use it to scan almost anything. It can be connect to iPad & Android tablets to load scanned pictures directly.

3 Product Specifications:

Dimensions	Scanner : 256.7X31.5X26.2mm Dock : 280X71.8X59mm Scanner + Dock : 280X71.8X66.5mm
Weight	Scanner : 159.3g , Dock : 331.5g , Scanner + Dock : 490.8g
Sensor type	CIS
Resolution	300DPI(default) , 600DPI , 900DPI
Scanner speed(without dock)	A4 Length : 900DPI with color ≤ 9s, 900DPI with mono ≤ 8s 600DPI with color ≤ 4s, 600DPI with mono ≤ 3s 300DPI with color ≤ 2s, 300DPI with mono ≤ 1.5s
Scanner speed(with dock)	A4 Length : 6s
Scan width	216mm
Scan length	1200mm
External memory card	Micro SD card (TF Card) up to 32GB
Output file format	JPEG/PDF
Display Panel	TN status LCD
Focus range	Contact, 0.3mm
USB Port	USB 2.0 high Speed
Power source	Scanner: 4xAAA batteries or USB Dock: 6xAA batteries or USB 5V
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



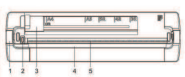
No.	Name	Function/Description
1	USB interface	Download photos to computer via USB cable provided
2	Mode Button	Press this button, you can select the scanning color & format of JPG / PDF; JPG/PDF Button "COLOR" is color model, "MONO" is black model
3	Battery door	For 4xAAAalkaline batteries
4	LCD screen	Scanning status display
5	Format button	Press the button to format the Micro SD card
6	Time set Button	Press the button to enter Time setting mode
7	Scan LED indicator	Ready for scan: Green LED on
8	Mode Button	WiFi Setting Mode (Left): set the WIFI name & password; WIFI Transmission mode (Middle): run WIFI Transmission; WIFI Transmission mode (Right): Switch off WIFI.
9	WIFI transmission / setting indicator	To show the WIFI transmission when it turns on; To show the WIFI setting when it is flashing
10	Error LED indicator	Over speed: Red LED on
11	Resolution Button	Select Hi(900 dpi)/MI(600 dpi)/LO(300 dpi) resolution. HI/MI/LO resolution mode icon will be displayed on status LCD.
12	Power/Scan	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.
13	SD card slot	Micro SD card storage location.

4.2 Bottom View

No.	Name	Function/Description
1	Roller	Transfer the rolling signal into scanner for internal processing
2	Interface	Connect the Scanner and Docking Station
3	Roller	Assist the scanner to slide
4	CIS Glasses	Sensor part
5	Battery Cover	You can load 4xAAA batteries after opening the battery cover. The scanner can not recharge these batteries itself and you need to take out for recharge if applicable.

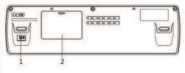
4.3 Front View of Docking Station

No.	Name	Functions/Description
1	Button	To fix the scanner on docking station
2	Connector	To connect the scanner
3	Adjustable Plate	To fix the width of document
4	Roller	To transport documents for scanning
5	Detecting Bar	To detect if the document are under the scanning area and take the action.



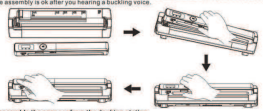
4.4 Bottom View of Docking Station

No.	Name	Function/Description
1	USB Interface /Battery Slot	To connect with PC via this interface. To input in power supply plug for application.
2	Battery Cover	You can load 6xAA batteries after opening the battery cover. The scanner can not recharge these batteries itself and you need to take out for recharge if applicable.



5 Introduction on assembly & disassembly

5.1 How to load your scanner on the docking station
1. Put the docking station on the table and the front upward.
2. One hand takes the scanner and keep the scanner upward.
3. Put the scanner into the right button first.
4. Then put the scanner on the left button properly and press the scanner after checking it is well loaded.
   It means the assembly is ok after you hearing a buckling voice.



5.2 How to disassemble the scanner from the docking station
Please see below instruction:
One hand presses the left button and another hand take the scanner on the left, then take it out from the docking station.

6 Introduction on SD card capacity

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

2GB SD card	JPG			PDF		
	300 DPI	600 DPI	900 DPI	300 DPI	600 DPI	900 DPI
Color	1600	600	190	1600	600	190
Mono	2000	800	190	2000	800	190

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

7 Explanation of the status icons

Item	Function	Description
1	Micro SD card indicator	Photos will be stored in Micro SD card
2	Battery indicator	Batteries are full. Batteries are empty.
3	Effect indicator	Color or Mono.
4	Selected resolution	Hi:900 dpi / MI:600dpi / LO:300dpi
5	Picture quantity & file format	It shows the total quantity you scanned into SD Card. Format is JPG or PDF.
6	The scanner is connecting the computer	It shows the scanner is connecting with computer and you can scan with MagicScan software.

8 Scanner to settings

8.1 Formatting the Micro SD memory card
Please use this cautiously: please make backup if there are some important files on Micro SD card and some new Micro SD card can only be used after format.
1. Insert a new Micro SD memory card into the scanner, then turn on the scanner.
2. Press the format button into format mode, "F" shows on the LCD.
3. Press the RESOLUTION button to start formatting the Micro SD memory card.
4. SD card indicator will blink until format is complete.

8.2 Time setting
1. Press **[TIME SET]** to enter time setting mode.
2. In the LCD, it show "2011" and the "2011" is flicker, press **[COLOR/MONO JPG/PDF & RESOLUTION]** button for up/down number selection, then press SCAN button to confirm Year Setting and enter to Month Setting.
3. Use same way, you can set Month, Date, Hour and Minute sequentially.
4. After all the information has been set, press **[TIME SET]** button again to exit.

8.3 Setting the resolution
Press the **[RESOLUTION]** button to select Hi(900 dpi)/MI(600 dpi)/LO(300 dpi) resolution. HI/MI/LO resolution icon will be displayed on status LCD.

8.4 To set the color model & saving format
Press the **[COLOR/MONO JPG/PDF]** button to select Color/Mono mode & saving format. Icons will be displayed on status LCD.

JPG : Scanned file in JPG format **COLOR** : Scanned file in color
PDF : Scanned file in PDF format **BW** : Scanned file in monochrome

The Display shows the status as below:

9 LED light indications

1. "GREEN" SCAN LED ON: Scan in progress.
2. "GREEN" SCAN LED OFF: Standby/Scan is complete.
3. "BLUE" WIFI LED ON: WiFi transmission in process.
4. "BLUE" WIFI LED OFF: WiFi transmission stop.
5. "BLUE" WIFI LED FLASHING: WiFi setting in process.
6. "BLUE" WIFI LED FLASHING: WiFi setting stop.
7. "RED" ERROR LED ON:
   - Scanning too fast may have caused scanning error or the scanner is low on battery power
   - Restart and scan again or change batteries
8. "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.

10 How to use WIFI transmission

10.1 Scan the image and save into Micro SD card.
10.2 MagicScan apps setup
   Visit the APP Store to search MagicScan Apps and then download it to your iPhone / iPad.
10.3 WIFI connection
   - Switch the scanner to WIFI mode
   - Search the "MagicScan" WIFI signal on iPhone / iPad
   - Connect the "MagicScan" WIFI signal with password to enter
10.4 Switch on the "MagicScan" Apps to review or save your desired images.
10.5 To keep your device security, please set the WIFI account / password if necessary.

11 Introduction on connecting with Tablets

11.1 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.

11.2 Connect to Android Tablets to read SD card
1. Switch on the scanner.
2. Connect the scanner to Tablet 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 & Android Tablet when it is detached from Docking.

12 Introduction on connecting with PC

12.1 Scanning to SD card
Insert SD card and plug in USB cable (no need for batteries).
Press SCAN for 2s and the scanner starts, LCD display PC flash, quickly press [COLOR/MONO & JPG/PDF] or [RESOLUTION] to shift to , then it means the files will be exported into the SD card.

12.2 Mass storage mode
Just insert 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 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 the USB cable, the PC screen shows as below:

Double click to open and enter the SD card memory.
Then you can see your scanned images into the DCIM folder.

12.3 Scanning with MagicScan software
When you use MagicScan software to scan with PC, the default resolution is 300 dpi and file format is JPG.

12.3.1 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.

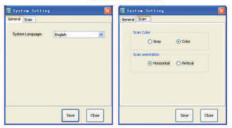
12.3.2 Setup the included software
1 After the software was installed, an icon will be shown on your computer desktop.

2 Connect the scanner to your computer, double click the "MagicScan" icon, a magiscan tool bar will be appeared as right picture:

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.

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

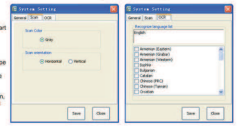
2 Click the "Setting" button, then you can set the system language and scan color / orientation. After you finished the setting, click "Save" button to save the setting, then you can start to scan.



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 SCAN button, then slide the scanner with the direction, after finish the scanning, press SCAN button again, the scanned picture will be inserted to your appointed software directly.

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

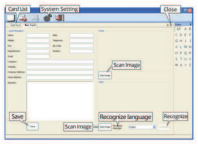
2 Click the "Setting" button, then you can set the system language, scan orientation and OCR language , after you finished the setting, click "Save" button to save the setting, then you can start to scan.
***Please select not more than 3 languages for OCR.**



3 Select and open any office software or MSN / Skype / QQ communication software that you want to insert a photo, then place the mouse cursors in the selected software and location. Press SCAN button, then slide the scanner with the direction, after finish the scanning, press SCAN button again, the scanned text will be inserted to your appointed software directly for editing.

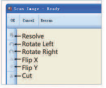
12.3.5 BCR Direct
Click "BCR Direct" icon, the user interface will be appeared as right picture:

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.



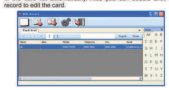
2 Click the "System Setting" button, then you can set the system language and scan color / orientation, after you finished the setting, click"Save" button to save the setting, then you can start to scan.

3 Click the "Scan Image" button, the user interface will be appeared as right picture:
Press SCAN button, then slide the scanner with the direction, after finish the scanning, press SCAN button again. 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 recognize all information of scanned card as below.

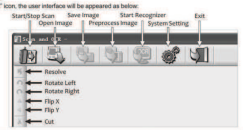
After you finish card edit, click "Save" button to save scanned card and back to "Card list" interface, it will add a new record in the card list automatically. Also you can double click the record to edit the card.



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.

12.3.6 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 retrieve 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 SCAN button, then slide the scanner with the direction, after finish the scanning, press SCAN button again.
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 .

13 Operations & Attentions for Handy Scanning without + docking

13.1 Power by batteries
13.1.1. Load the SD card & batteries according to these signs on the scanner and press SCAN for 2s to open.
13.1.2. Set your required color, resolution, JPG/PDF and Time.
13.1.3. Put the document on the flat table.
13.1.4. Put the scanner on the document and ensure the documents including the valid scanning width.
13.1.5. Pressing SCAN ,hold the scanner and slide according to your required direction until scanning completed.
13.1.6. Press SCAN again to exit scanning mode and one more file number will be added. In this way, It means the scanned file was stored into SD card.
Remarks:
If you move the scanner too faster, the scanned image may be in bad quality and the red ERR light will be on. In this case, you need to stop scanning and do it again.
During the scanning process, you would better to slide the scanner levelly and or it will make the image in bad conditions.

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

13.2 Please pay much attention to the following points when you scan:
- Please make sure you input the SD card when you make handy scanning, or it can not work.
- Please do not take out the 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.

14 Introduction on Scanner + Docking station

14.1 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.

14.1.1 The ways to scan without plugging in USB cable
Load the scanner on the docking station according to the point 5;
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 TN display and it means the scanned image was stored.

14.1.2 Usage when insert into USB
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 14.1.3.

14.1.3 Paper feed orientation when scanning with the docking station
When scanning with the Magic scan 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	123	123	123
	Vertical	123	123	123

When scanning without the Magicscan 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	123	123	123

14.2 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.

Warnings for safety use

See installation instructions before connecting to the supply:
1. The maximum ambient temperature should not exceed 40°C.
2. The battery (battery or batteries or battery pack) shall not be exposed to excessive heat such as sunshine, fire or the like.
3. The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
4. Children should be supervised to ensure that they do not play with the appliance.
5. The scanner is used for office machines and data processing appliances. It is certified according to the relevant safety standard EN 60950-1.

Correct Disposal of this product:

This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

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.

STATEMENT

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.

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.

*iPad connection kit not included.
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26/F., Lever Tech Center, 69-71 King Yip St., Kwun Tong, H.K.
DM10-9H10-K9N-E6A