

Hand-Held Scanner

User's Manual



Regulatory model: HF-1303S

Avision Inc.

manual-en-250-0793-E-miwandwifi-v200

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FCC Statement:

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 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.

FCC Caution:

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

This device is intended only for OEM integrators under the following conditions:

- 1) The antenna must be installed such that 20 cm is maintained between the antenna and users.
- 2) The transmitter module may not be co-located with any other transmitter or antenna.

IMPORTANT NOTICE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body. To maintain compliance with FCC RF exposure compliance requirements, please avoid direct contact to the transmitting antenna during transmitting.

IC Notice:

Operation is subject to the following two conditions:

- 1) This device may not cause interference and
- 2) This device must accept any interference, including interference that may cause undesired operation of the device.

IMPORTANT NOTE:

IC Radiation Exposure Statement:

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Règlement d' Industry Canada

Les conditions de fonctionnement sont sujettes à deux conditions:

- (1) Ce périphérique ne doit pas causer d'interférence et.
- (2) Ce périphérique doit accepter toute interférence, y compris les interférences pouvant perturber le bon fonctionnement de ce périphérique.



European Union Regulatory Notice

Products bearing the CE marking comply with the following EU Directives:

- Low Voltage Directive 2006/95/EC
- EMC Directive 2004/108/EC
- Restriction of the use of certain hazardous substances (RoHS) Directive 2011/65/EU
- R&TTE Directive 1999/5/EC

CE compliance of this product is valid if powered with the correct CE-marked AC adapter provided by Avision.

This product satisfies the Class B limits of EN55022, EN55024, safety requirements of EN 60950 and ROHS requirements of EN50581.

*This machine is certified as Class 1 LED product.

Warning and Precautions of the lithium-ion battery

Warning:

Danger warning to prevent the possibility of the battery from leaking, heating, explosion, please observe the following precautions:

- Don't immerse the battery in water and seawater. Please put it in cool and dry environment if no using.
- Do not discard or leave the battery near a heat source as fire or heater
- Being charged, using the battery charger specifically for that purpose
- Don't reverse the positive and negative terminals
- Don't connect the battery to an electrical outlet directly.
- Don't connect the positive and negative terminal directly with metal objects such as wire. Short terminals of battery is strictly prohibited, it may damage battery.
- Do not transport and store the battery together with metal objects such as necklaces, hairpins.
- Do not strike, throw or trample the battery.
- Do not directly solder the battery and pierce the battery with a nail or other sharp object.
- Do not use lithium ion battery and others different lithium polymer battery model in mixture.
- Prohibition of use of damaged cells.
- Don't bend or fold sealing edge. Don't open or deform folding edge. Don't fillet the end of the folding edge.
- Don't fall, hit, bend battery body.
- Battery pack designing and packing Prohibition injury batteries.
- Never disassemble the cells.
- Keep the battery away from babies.
- Any components contacting these two edges, they must be insulated.

Caution:

- Risk of explosion if battery is replaced by an incorrect type. Dispose the battery according to local regulations.
- Never place batteries or devices on or in heating devices, such as microwave ovens, stoves, or radiators. Batteries may explode when overheated or its performance will be degenerate and its service life will be decreased.
- Do not use it in a location where is electrostatic and magnetic greatly, otherwise, the safety devices may be damaged, causing hidden trouble of safety.
- If the battery leaks, and the electrolyte get into the eyes. Do not wipe eyes, instead, rinse the eyes with clean running water, and immediately seek medical attention. Otherwise, eyes injury can result.
- If the battery gives off an odor, generates heat, becomes discolored or deformed, or in any way appear abnormal during use, recharging or storage, immediately remove it from the device or battery charge and stop using it.
- Avoid charging batteries for more than a week, as overcharging may shorten battery life. Over time, unused batteries will discharge and must be recharged before use.
- Disconnect chargers from power sources when not in use.
- Use batteries only for their intended purposes.
- Store the battery at 0°C to 40°C.
- Avoid exposing your device and batteries to very cold or very hot temperatures. Extreme temperatures can cause the deformation of the device and reduce the charging capacity and life of your device and batteries.
- Prevent batteries from contacting metal objects, as this can create a connection between the + and – terminals of your batteries and lead to temporary or permanent battery damage.
- In case the battery terminals are dirt, clean the terminals with a dry cloth before use. Otherwise power failure or charge failure may occur due to the poor connection with the instrument.
- Be aware discharged batteries may cause fire. Follow all local regulations when disposing of used batteries or devices.
- Never crush or puncture the battery. Avoid exposing the battery to high external pressure, which can lead to an internal short circuit and overheating.

Table of Contents

1. Overview	1-1
1.1 Introduction	1-1
1.2 Package Contents	1-1
1.3 Top View	1-3
1.4 Front View	1-4
1.5 Rear View	1-4
1.6 Bottom View	1-5
1.7 Front View with Feeder Dock	1-6
1.8 Scanner Indicator Light	1-7
2. Installation	2-1
2.1 Precautions	2-1
2.2 Remove Scanner from the Feeder Dock	2-1
2.3 Install the Batteries	2-2
2.4 Charge the Batteries	2-3
2.4.1 Via the USB cable	2-3
2.4.2 Via the power adapter	2-4
2.5 Install a microSD Card	2-5
3. Operation	3-1
3.1 Suitable and Unsuitable Original Types	3-1
3.2 Turn on the Scanner	3-1
3.3 Choose Your Desired Scan Settings	3-2
3.4 Start Wand Scanning (Hand-Held)	3-2
3.5 Start Sheet-Fed Scanning with Feeder Dock	3-3
3.6 Preview Scanned Images on the LCD Screen	3-5
3.7 View or Download the Scanned Images (Windows)	3-6
3.7.1 Computer System Requirements for USB Connection	3-7
3.7.2 After Successful Connection	3-7
3.8 View or Download Images with iPad	3-8
3.9 Use the OCR Software Application	3-8
3.10 Customize Your Scan Settings	3-9
3.10.1 Resolution	3-9
3.10.2 Color Mode	3-9
3.10.3 Save Format	3-10
3.10.4 LCD Off	3-10
3.10.5 Power Saving	3-11
3.10.6 Anti-mirror (wand scans only)	3-12
3.10.7 Card Format	3-13
3.10.8 Auto-crop (sheet-fed scan only)	3-14
3.10.9 Calibration	3-14
3.10.10 Language	3-15
3.10.11 Factory Default	3-15
3.10.12 About	3-16

4.	Access the scanned images through Wi-Fi	4-1
4.1	Access the scanned image through Wi-Fi.....	4-1
4.2	Use options under image thumbnails	4-3
4.3	Reset login settings.....	4-4
4.4	Exit the Wi-Fi Mode.....	4-5
5.	Maintenance	5-1
5.1	Calibrate the Scanner	5-1
5.2	Clean the Scanner and Feeder Dock	5-2
6.	Troubleshooting.....	6-1
6.1	Error Messages.....	6-1
6.2	Frequently asked questions and answers.....	6-2
6.3	Technical Service.....	6-5
7.	Specifications	7-1

1. Overview

1.1 Introduction

Congratulations on your purchase of the portable handheld scanner. With this scanner, you can scan and store your photos or documents directly to a micro SD™ card without any computer. Simply turn on the scanner, press the Power/Scan button to start and slide the scanner on the surface of your document and press the Power/Scan button again to stop. The scanned image is stored into the scanner's built-in disk (*automatic if no memory card is inserted*), or you can insert a memory card for expanded storage capacity.










What is best, the scanner allows you to preview your scanned images with a built-in color LCD display to confirm the document you have just captured.

Using the built in Wi-Fi, you can connect the scanner wirelessly to computers, electronic tablets and smart phones for quick and convenient access to your scanned files, allowing you to easily view, copy or move the files from the scanner to the connected device.

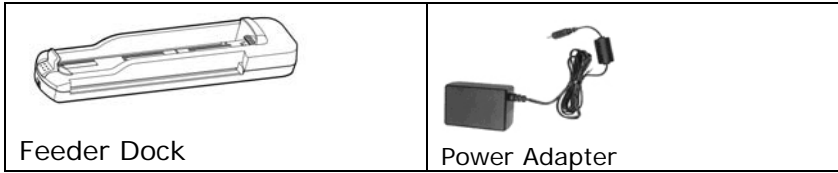
Before you install and operate the product, please take a few minutes to read through this manual. It provides proper instructions for you to install, operate and maintain the product. The following figure indicates the package contents. Please check all the items against your checklist. If you do not receive all the items, please contact your authorized local dealer immediately.

1.2 Package Contents

Standard package items for MiWand 2 Wi-Fi:

 <p>Scanner</p>	 <p>USB Cable</p>	 <p>microSD Card (User's Manual)</p>
 <p>Quick Guide</p>	 <p>Carry Bag</p>	 <p>Calibration Sheet</p>
 <p>Li-Ion Battery</p>	 <p>Software CD</p>	 <p>Cleaning Cloth</p>

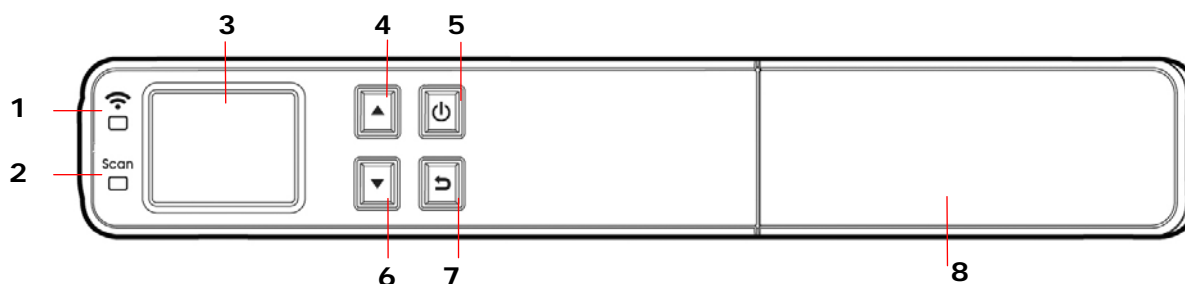
Additional package items for MiWand 2 Wi-Fi PRO:



Note:

1. Only use the power adapter WA-10H05 by APD/ADS-5FN-06 05005GPCU by HONR/Li-ion Battery NP45 made by APACK/CA NP45 made by City Bright included in the product. Using other power adapters may damage the machine and void the warranty.
 2. Please unpack the packing carefully, and check the contents against the checklist. If any items are missing or damaged, please contact your dealer immediately.
-

1.3 Top View



Item	Name	Description
1	Wi-Fi indicator light	Indicates the Wi-Fi status.
2	System indicator light	Indicates the operating/warning status of the scanner.
3	LCD display	Displays preview pictures and settings menus.
4	Up arrow	<ul style="list-style-type: none"> Enters Menu screen from [Scan Ready] screen. Navigate “backward” through images and menu options.
5	Power/Scan button	<ul style="list-style-type: none"> Press to turn on the scanner. Press to start or end a scan. Accept option choice in Menu and Preview options. Press and hold for 3 seconds to turn off the scanner.
6	Down arrow	<ul style="list-style-type: none"> Enters Display mode from [Scan Ready] screen. Navigate “forward” through images and menu options.
7	Back arrow	Return to previous screens or exists from Display mode or Menu option.
8	Battery compartment	Slide to remove the cover.

1.4 Front View



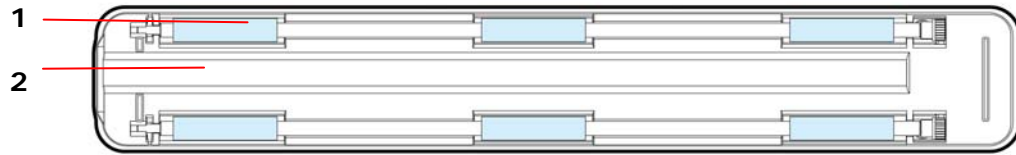
Item	Name	Description
1	Micro USB port	Used to plug the micro end of the USB cable to connect to PC.
2	Memory card slot	Used to insert a memory card.

1.5 Rear View



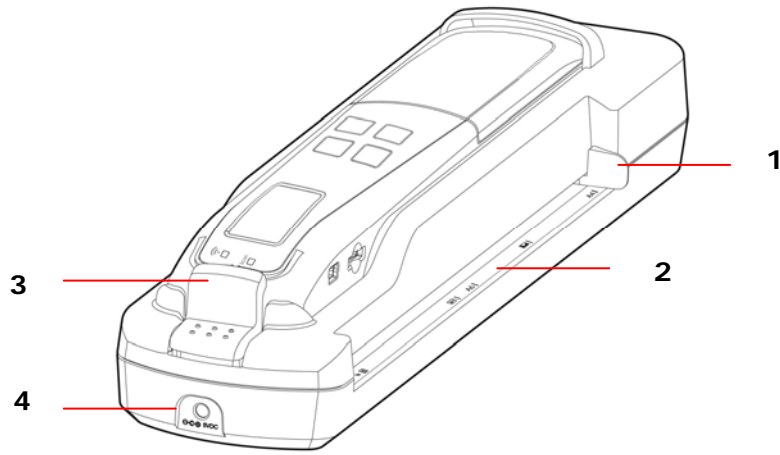
Item	Name	Description
1	Wi-Fi switch	Turn on and off the Wi-Fi connection.
2	Reset	Used to reset the Wi-Fi login information to factory default setting.

1.6 Bottom View



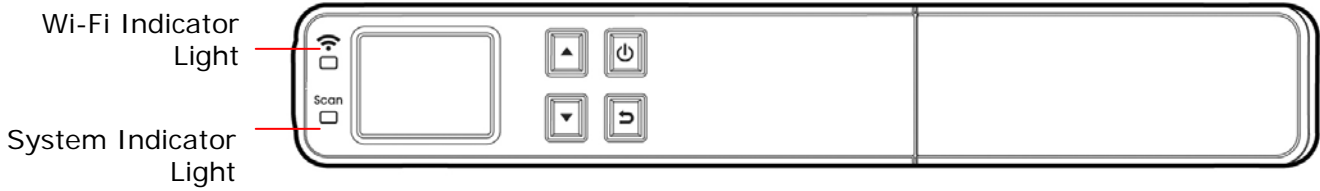
Item	Name	Description
1	Sensor rollers	The rollers are sensors and should only be rolled in one direction. Do NOT roll back and forth while scanning, except during calibration.
2	Glass	While rolling scanner over a document, the optical sensor in the glass reads and scans the image.

1.7 Front View with Feeder Dock



Item	Name	Description
1	Guide slide	Slide the guide to fit your document size.
2	Feed slot	Used to insert original into the feed slot to begin scanning.
3	Latch	Used to disengage the wand scanner from the feeder dock.
4	DC jack	Used to plug power adapter.

1.8 Scanner Indicator Light



Wi-Fi Indicator Light

Status	Indication
Off	Device is not connected to scanner via Wi-Fi.
Blinking blue every 3 seconds	Wi-Fi ready to connect to your device.
Blinking blue 1 second/Fast	Browsing or downloading photos.

System Indicator Light

Status	Indication
Off	Scanner is off or scanner is on and ready for use
Orange briefly	Powering on for initialization
Green, steadily on	Scanning in progress in 300 dpi
Orange, steadily on	Scanning in progress in 600 dpi
Orange flashing	Scanning in progress in 1200 dpi (1200 dpi available for the wand scanner - MiWand 2 Wi-Fi only)
Red, flashing	No SD card, SD card full, card error, no scan performed after initiating wand scan mode, or low battery

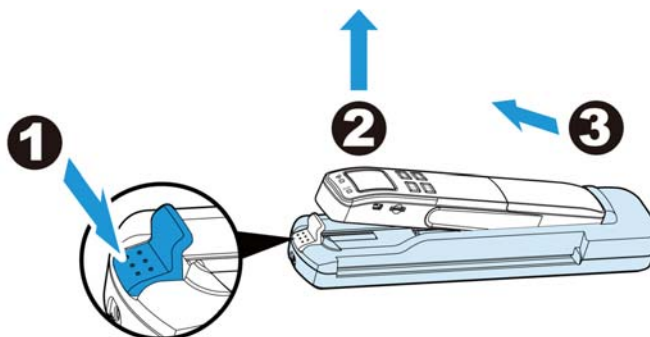
2. Installation

2.1 Precautions

- Keep the product out of direct sunlight. Direct exposure to the sun or excessive heat may cause damage to the unit.
- Do not install the product in a humid or dusty place.
- Place the product securely on an even, flat surface. Tilted or uneven surfaces may cause mechanical or paper-feeding problems.
- Retain the product box and packing materials for shipping purposes.

2.2 Remove Scanner from the Feeder Dock

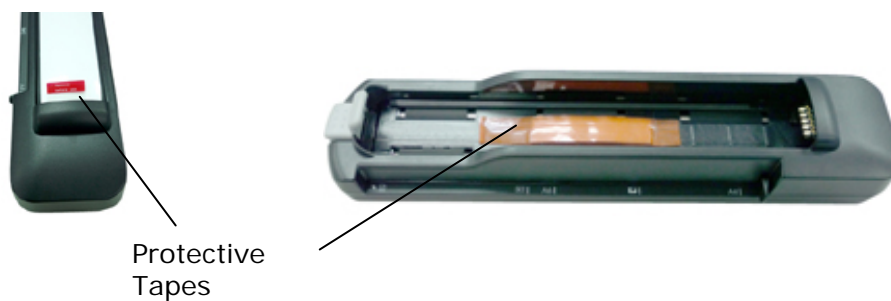
1. Press and hold the latch.
2. Lift the left end of the scanner
3. Detach the right end of the scanner from the feeder dock.



Warning:

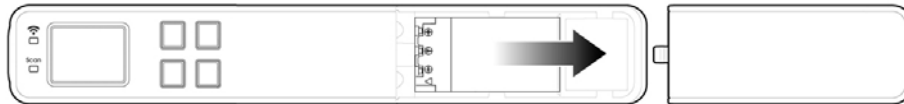
Do not lift the scanner too high and avoid using force to detach the scanner from the feeder dock in case the connector may be damaged!

4. Remove the protective tapes on the scanner and inside the feeder dock as indicated.

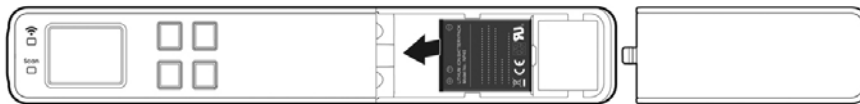


2.3 Install the Batteries

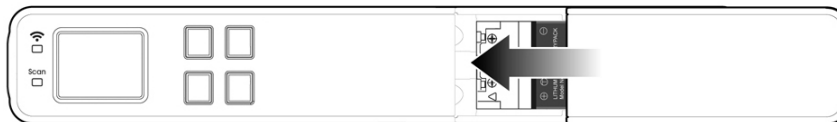
1. Push and remove the battery cover on the scanner.



2. Load the battery into the battery container. Make sure the battery is loaded with the correct polarity. Note the copper strips on the battery should be touching the copper strips on the device inside the battery container. Note: Please use only the supplied battery.



3. Insert the battery cover.



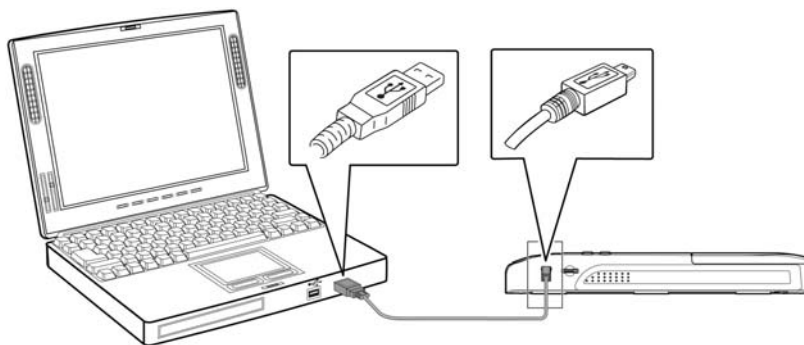
2.4 Charge the Batteries

There are two methods to charge the batteries,

- a. Through the USB cable to the computer.
- b. Through the USB power adapter to the electric outlet. (Available for MiWand 2 Wi-Fi PRO only!)

2.4.1 Via the USB cable

1. Turn off the scanner.
2. Connect the micro USB connector to the USB port of the scanner.
3. Connect the other USB connector to the USB port on your computer.

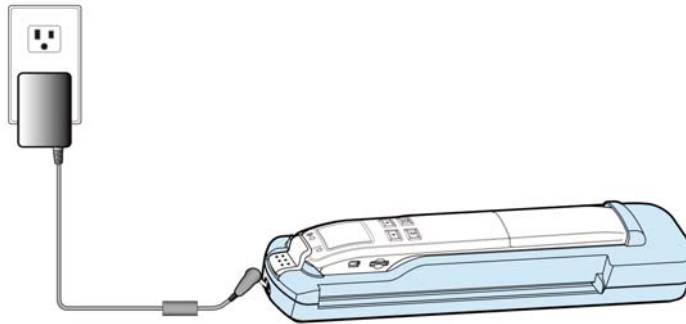


Important:

- Do not turn on the scanner power when charging the battery.
- Charge the batteries for at least 2 hours until green LED goes off before using the scanner.

2.4.2 Via the power adapter

1. Turn off the scanner.
2. Insert the scanner in the feeder dock.
3. Insert the small end of the power adapter to the feeder dock and the other end to a power outlet.

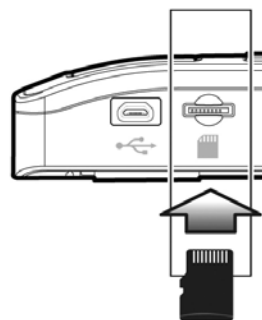


Important:

- Do not turn on the scanner power when charging the battery.
- For first-time use, please charge the battery for at least 2 hours.
- While charging the battery, the blue LED light will be solidly on. After the charging is completed, the LED light will be extinguished.

2.5 Install a microSD Card

The scanner's built-in storage disk has approximately 128MB of space that can be used to store scanned images. You can install a microSD card to the SD slot of the scanner to expand your storage. Gently press in until the SD card is latched.



Note:

The scanner only accepts micro SD card in FAT16 or FAT32 format. NTFS and other file formats are not supported.

3. Operation

3.1 Suitable and Unsuitable Original Types

Suitable for Wand Scanning

The scanner used as a wand scanner without the feeder dock is designed to obtain the best scanning results with photo and document up to 8.5" x 14" (216 x 356 mm) size.

Suitable for Feeder Dock

The scanner used with the feeder dock is designed to obtain the best scanning results with the following types of originals:


- Photos and documents (3"x5", 4"x6", 5"x7", 8.5"x14") (76 x 127mm, 102 x 152 mm, 127 x 177 mm, 216 x 356 mm)
- Business cards [standard 3.5"x 2" (88 x 50 mm) or larger]


Unsuitable for Feeder Dock

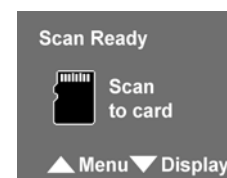
Do not use the following types of originals for scanning in the feeder dock, otherwise the feeder dock may malfunction or cause the original to jam in the slot.

- Originals thicker than 1.0 mm
- Original with either side shorter than 50 mm
- Originals with lots of black or dark colors
- Original with dark colors surrounding the edges
- Printed media (newspapers, magazines, etc)
- Soft and thin materials (thin paper, cloth, etc.)
- Curl or wrinkle originals
- Originals with staples or paper clips.
- Originals that exceed acceptable size – 8.5" (width) x 14" (length) (216 x 356 mm)







3.2 Turn on the Scanner

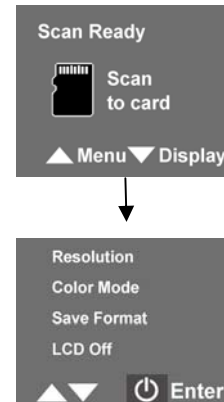
Press  to turn on the scanner. The LED will be flashing and then extinguished. The [**Scanner Ready**] screen will be displayed as illustrated.

Press  again for about 3 seconds to turn off the scanner. The scanner will be automatically shut off if it is left idle for 3 minutes.





3.3 Choose Your Desired Scan Settings

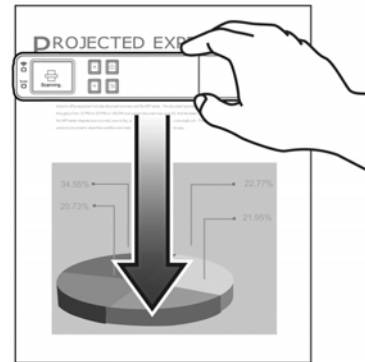
1. On the [**Scan Ready**] screen, press  to enter the **Menu** mode.
2. A list of menu options is displayed. The options include **Resolution**, **Color Mode**, **Save Format**, **LCD Off**, and so on.
3. Press  to focus on your desired option such as **Save Format**, and then press  to select it.
4. Press  to focus on your desired item such as **PDF**, and then press  to select it.
5. Press  to exit.



- * To increase ease of use, please first go to "Menu" and then choose "Language" to select your desired language on the screen.
- * Default settings: Resolution: 300 dpi, Color Mode: Color, File Format: JPEG, LCD Off: 45 sec

3.4 Start Wand Scanning (Hand-Held)

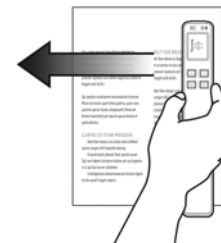
1. Make sure the Wi-Fi connection is turned off.
2. Place your document on a flat surface.
3. Press  to start a scan.
4. Hold the scanner and glide the scanner gently over the surface of the page as illustrated.
5. Press  to stop the scan.



**By default, the Preview mode is on allowing you to view the scanned images for 2 seconds immediately after scanning (available for JPEG file format only).*

Note:

1. Refer to the following list for a proper scan speed (based on an A4-size paper): 0.6 second (B&W, 300 dpi)/1.6 second (Color, 300 dpi) ; 2.4 seconds (B&W, 600 dpi)/6.5 seconds (Color, 600 dpi)/9.8 seconds (Color/B&W, 1200 dpi). * 1200 dpi is only available for MiWand 2 Wi-Fi!
2. If you hold the scanner vertically and scan your original from right to left or from left to right, your image will be rotated 90°. Please use the included software application or other image-editing software application to rotate the scanned image correctly.



3.5 Start Sheet-Fed Scanning with Feeder Dock

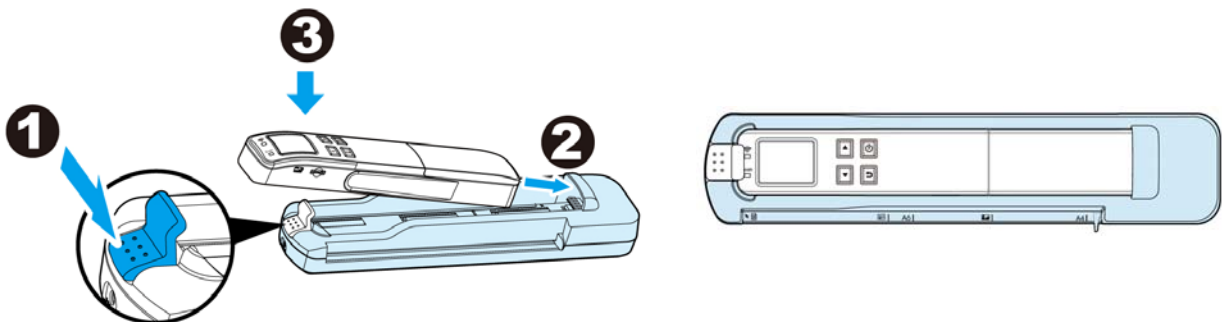
By attaching the feeder dock into the scanner, the whole unit allows you to start auto scan as soon as your document is inserted to the feed slot. When the scan is finished, the image is saved in the memory card.

Note:

- Only MiWand 2 Wi-Fi PRO comes with a feeder dock!
 - When the scanner is attaching to the feeder dock, no battery is required to operate. However, you must connect the supplied power adapter to get the power.
-

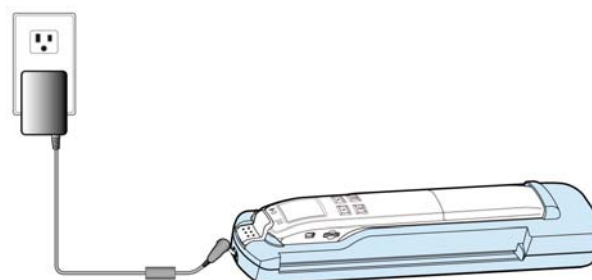
Installation:

1. Press and HOLD the latch at the left end.
2. Plug the right end of the scanner to the right end of the feeder dock with the copper strips inserting into the hole.
3. Place the left side of the scanner to the slot.
4. Release the latch.




5. Connect the power:

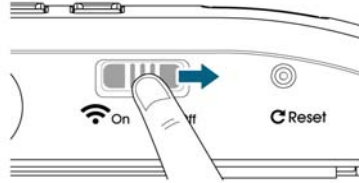
Simply plug the small end of the power adapter to the power jack of the docking unit and the other end to a power outlet.



* Power Adapter: Available for MiWand 2 Wi-Fi PRO version only!

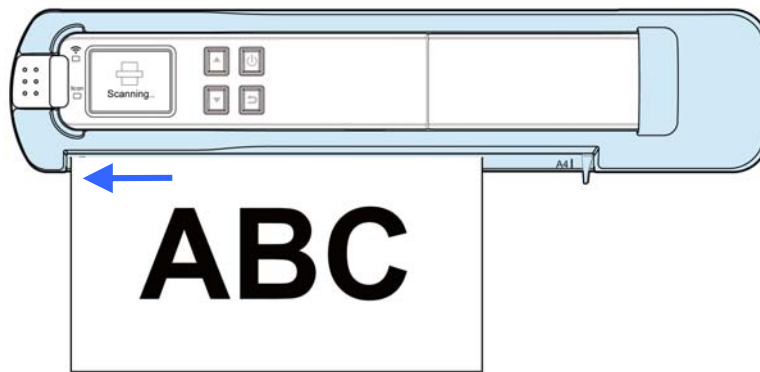
Operation:

1. Make sure the Wi-Fi connection is turned off.
2. Press  to turn on the scanner.



3. Refer to the section [Customize Your Scan Settings] to select your desired scan settings.
4. Insert a page **FACE UP** and align it to the left edge of the feeding slot.

The scan is automatically started when your document is fed into the feeding slot. When the scan is finished, the image is saved in the memory card.





** By default, the Preview mode is on allowing you to view the scanned images for 2 seconds immediately after scanning (available for JPEG file format only).*

3.6 Preview Scanned Images on the LCD Screen

You can quickly and easily preview your JPEG images on the LCD screen immediately after a scan, or at any other time. You can also view all images individually or as a slideshow.








3.6.1 Set Preview Mode

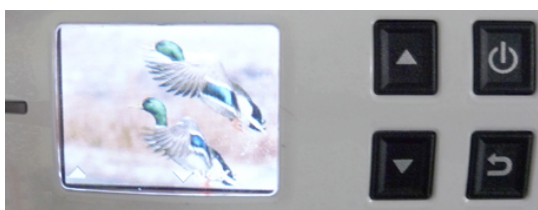
By default, the Preview mode is on allowing you to view the scanned images for 2 seconds immediately after scanning (available for JPEG file format only). Two options appear on the screen with the image allowing you to press  to Save (default) or press  to Delete the image immediately.

When Preview mode is off, the JPG scanned image is saved immediately without displaying a preview.

** Scans performed with Preview mode off use less battery power, so you can expect more scans with Preview mode off.*






Follow these steps to disable the Preview mode:

1. With the  screen displayed, press  to enter the **Menu** mode.
2. Press  to focus on **Preview**, and then press  to select it.
3. Press  to focus on **Off**, and then press  to select it.
4. Press  to exit.








The Preview Screen

View Scanned JPEG images as Slideshow

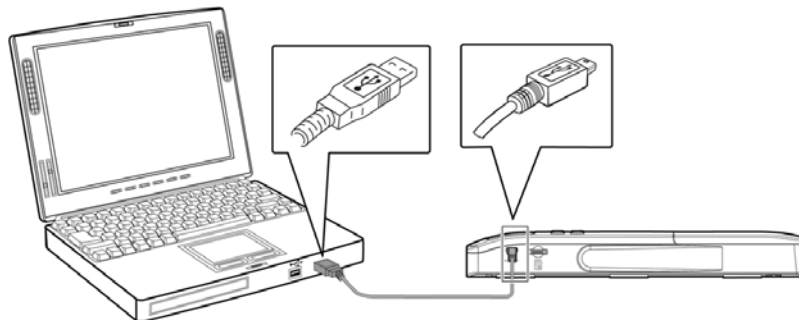
1. With the  screen displayed, press  to enter the **Display** mode.
2. The slideshow automatically begins and displays the images in the alphanumeric order they are stored on the SD card.
3. To pause the slideshow, press ; to restart the slideshow press  again.
4. Press  at any time to exit the slideshow.


View Scanned JPEG images Individually

1. With the  screen displayed, press  to enter the **Display** mode.
2. The slideshow automatically begins and displays the images in the alphanumeric order they are stored on the SD card.
3. Press / to view previous or next image.
4. Press  to exit the **Display** mode and return to the **Scan Ready** screen.

3.7 View or Download the Scanned Images (Windows)

1. To view or download your scanned images, you can either remove the micro SD card and connect it to a card reader, or connect the scanner to your computer via the supplied USB cable (be sure to turn on your scanner).



** When the scanner and your computer is connected successfully, all tasks are interrupted and the USB connection screen  is display.*

Warning:

It is recommended to download the scanned images by removing the memory card from the scanner and then inserting the memory card to your computer instead of connecting the scanner directly to your computer with the USB cable since this may require a lot of battery power.

2. Your computer should recognize the card or the scanner as a Removable Disk.
3. Click the Removable Disk and you will find a folder of "DCIM" is created and all the PDF files will be stored in the subfolder of "200DOC" and the JPEG files in the subfolder of "100PHOTO". File name starts from IMG_0001.pdf or IMG_0001.jpg.

Each scanned image is given a file name with the prefix **IMG_** followed by a 4-digit sequential number in the order the images are stored. *For example, IMG_0001.jpg, IMG_0002.jpg, IMG_0001.pdf, IMG_0002.pdf, etc.*

JPG files are stored in a sub folder titled **DCIM\100PHOTO**. The folder stores 9999 photo files, and then automatically creates another sub folder titled **101PHOTO**, and so on to **199PHOTO**.

PDF files are stored in a sub folder titled **DCIM\200DOC**. The folder stores 9999 document files, and then automatically creates another sub folder titled **201DOC**, and so on to **299DOC**.

3.7.1 Computer System Requirements for USB Connection

Operating system: Windows XP, Windows Vista, Windows 7, Windows 8
Mac 10.5 or above (*Mac is used only for data transferring*)

USB port: USB 2.0 /USB 1.1

3.7.2 After Successful Connection

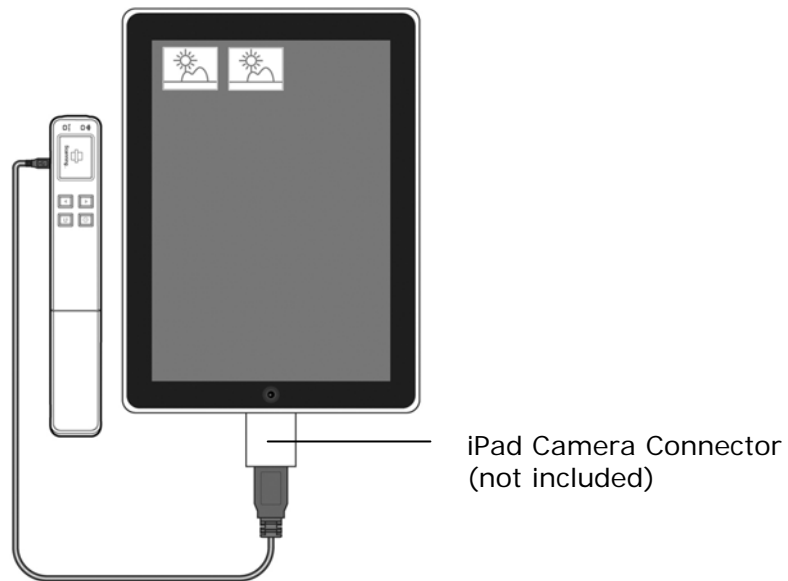
When the scanner connects with the PC, an additional drive is listed in the Explorer window titled **Removable Disk [drive letter]**, or the personalized title you may have previously assigned to your microSD card.

3.7.2.1 Safely Disconnect Scanner/micro SD Card From PC

1. On the Windows System Tray, click the hardware removal icon.
2. Click the "Safely remove USB mass Storage device" message with the corresponding Drive.
3. When the "Safe to Remove Hardware" message appears, you can safely remove the scanner's USB cable.

3.8 View or Download Images with iPad

1. Plug the iPad Camera Connector (not included) to iPad dock connector. Plug the micro USB connector of the supplied USB cable to the Micro USB port of your scanner and plug the USB connector of the supplied USB cable to iPad Camera Connector.
2. The scanned images in the micro SD card of your scanner will be displayed in iPad in 3 seconds.
3. Choose "**Import All**" to load the scanned images to the album of your iPad.



3.9 Use the OCR Software Application

The bundled software application allows you to convert image text to editable or searchable text through the OCR (Optical Character Recognition) process. For detailed information on how to use the function, please refer to the user's manual or the online help of the software application contained in the CD.

3.10 Customize Your Scan Settings







You can customize scanner settings through the Menu screen to fit different document types.

3.10.1 Resolution

The scan resolution is measured in dpi (dots per inch). The higher the resolution, the more details the scanned image will be displayed. However, a higher resolution may require more disk space stored in the SD card.

The scanner offers three resolution modes, 300 (default, normal), 600 dpi and *1200 dpi (high quality). *1200 dpi is available only for the wand scanner (MiWand 2 Wi-Fi)!

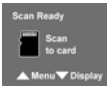






Follow these steps to select your desired resolution:

1. With the  screen displayed, press  to enter the **Menu** mode.
2. Press  to select **Resolution**.
3. Press  to focus on your desired resolution, and then press  to select it.
4. Press  to exit.

3.10.2 Color Mode

The scanner offers two color modes for your scanned image. **Color** (default, fits for photos) and **Black and White** (fits for text document).








Follow these steps to select your desired color mode:

1. With the  screen displayed, press  to enter the **Menu** mode.
2. Press  to scroll to **Color Mode**, and then press  to select it.
3. Press  to focus on your desired mode, and then press  to select it.
4. Press  to exit.

3.10.3 Save Format

The scanner offers two types of file formats for your scanned image. JPEG (default, fits for photos) and **PDF** (fits for text document).

Follow these steps to select your desired file format:








1. With the  screen displayed, press  to enter the **Menu** mode.
2. Press  to scroll to **Save Format**, and then press  to select it.
3. Press  to focus on your desired format, and then press  to select it.
4. Press  to exit.

3.10.4 LCD Off

To let the scanner enter power saving mode, the scanner provides option to turn off the LCD screen after idle for a specified time without turning off the power. The choice includes 45 seconds (default), 90 seconds, and 3 minutes.

To turn the LCD screen back on, simply press any button.

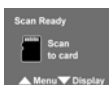






Follow these steps to change the setting:

1. With the  screen displayed, press  to enter the **Menu** mode.
2. Press  to scroll to **LCD Off**, and then press  to select it.
3. Press  to focus on your desired setting, and then press  to select it.
4. Press  to exit.

3.10.5 Power Saving

To conserve power, the scanner automatically shuts off after left idle for a specified time (90 seconds, 3 minutes, or 5 minutes).

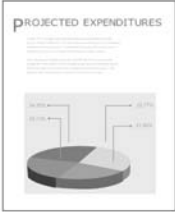
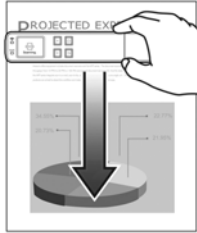

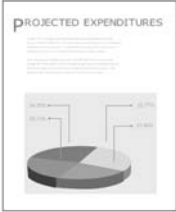
Follow these steps to change the time setting:

1. With the  screen displayed, press  to enter the **Menu** mode.
2. Press  to scroll to **Power Saving**, and then press  to select it.
3. Press  to focus on your desired setting, and then press  to select it.
4. Press  to exit.








3.10.6 Anti-mirror (wand scans only)

When the [**Anti-mirror**] feature is turned on (default), the scanner allows you to scan an original either from top-to-bottom or from bottom-to-top. In either way, you can obtain a correct scanned image. *(The scanner automatically detects your scanning direction and if you scan your original from bottom-to-top, the scanned image will be automatically flipped and rotated upside-down.)* When [**Anti-mirror**] is turned off, if you scan your original from bottom-to-top, your scanned image will be upside-down and mirrored (the right side and left side of your image will be reversed.)

**This feature is only available when using the scanner as a hand-held wand scanner.*

Original	Scanning direction (Anti-Mirror: on)	The Scanned Image
	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Top-to-bottom</p> </div> <div style="text-align: center;"> <p>Or</p>  <p>Bottom-to-top</p> </div> </div>	








Follow these steps to turn Anti-Mirror off:

1. With the  screen displayed, press  to enter the **Menu** mode.
2. Press  to scroll to **Anti-Mirror**, and then press  to select it.
3. Press  to focus on your desired setting, and then press  to select it.
4. Press  to exit.

3.10.7 Card Format

Warning !: If you reformat your memory card, all existing files on the card will be deleted.

To format your SD card:

1. With the  screen displayed, press  to enter the **Menu** mode.
2. Press  to scroll to **Card Format**, and then press  to select it.
3. Press  to select **Yes**.
4. To confirm, press .
5. After successful format, the **Menu** screen is displayed.
6. Press  to exit.

3.10.8 Auto-crop (sheet-fed scan only)

When using the feeder dock, the whole unit has a built-in cropping function to capture an image according to the actual size of your original as illustrated below.

**This feature is available when using sheet-fed scan with the feeder dock.*



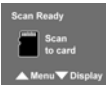






Original/Auto-crop on (default)



Auto-crop off

Depending on the shape and size of your original, you may want to perform additional manual cropping on the scanned image to achieve your desired final image.

Follow these steps to disable the auto-crop feature:

1. With the  screen displayed, press  to enter the **Menu** mode.
2. Press  to scroll to **Auto-crop**, and then press  to select it.
3. Press  to focus on desired mode, and then press  to select it.
4. Press  to exit.

3.10.9 Calibration

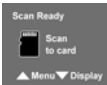






If the scanned image has vertical lines or discolorations, the scanner may need to calibrate in order for the Contact Image Sensor (CIS) to resume its color & sharpness precision. For calibration instructions, see the "Calibrate the Scanner" section.

*Calibrate the scanner only when the color of the scanned image looks abnormal.

3.10.10 Language

The scanner offers multi-lingual text for LCD screen. Choice includes English, German, French, Dutch, Italian, Spanish, Chinese Traditional, Chinese Simplified, Japanese, Korean, and so on. However, the availability of the languages varies based on your area.

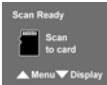







Follow these steps to choose your desired language:

1. With the  screen displayed, press  to enter the **Menu** mode.
2. Press  to scroll to **Language**, and then press  to select it.
3. Press  to focus on desired language, and then press  to select it.
4. Press  to exit.

3.10.11 Factory Default

At any time, you can reset all menu settings back to the factory defaults.

To reset to defaults:








1. With the  screen displayed, press  to enter the **Menu** mode.
2. Press  to scroll to **Factory Default**, and then press  to select it.
3. Press  to select **YES**.
4. To confirm, press .
5. After a successful reset, the scanner automatically shuts off. Press  to turn the scanner back on.
6. Press  to exit.

3.10.12 About

The About option lists the current Firmware and Calibration versions.

You may need this information if you contact our Customer Support.

Follow these steps to view the About information:

1. With the  screen displayed, press  to enter the **Menu** mode.
2. Press  to scroll to **About**, and then press  to select it.
3. Press  to focus on desired mode, and then press  to select it.
4. Press  to exit.

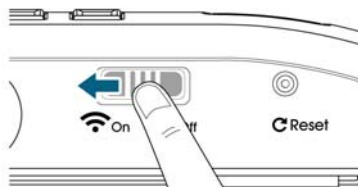
4. Access the scanned images through Wi-Fi

Using the scanner's Wi-Fi connection, you can wirelessly connect to your private cloud to browse or download your scanned image files from the scanner to your computer, Android or iOS devices.

Note: The Scanner Wi-Fi access point is for browsing, downloading, or deleting scanner files only. It cannot be used for Internet browsing.

4.1 Access the scanned image through Wi-Fi

1. Turn Wi-Fi mode on by sliding the switch to the **On** position.



2. Wait approximately 40 seconds while the data is indexed, the Wi-Fi blue LED flashes, and the Wi-Fi Ready screen is displayed.



3. To connect your computer, iPhone, iPad or Android device to the scanner, use the device's Wi-Fi settings to select the scanner's network ID "Avision-XXXX" [last four digits of Access Point's MAC address]".



- **PC users:** Go to the Wi-Fi Network icon and select the network ID (Avision-XXXX). No password is required; wait for the connected status confirmation.

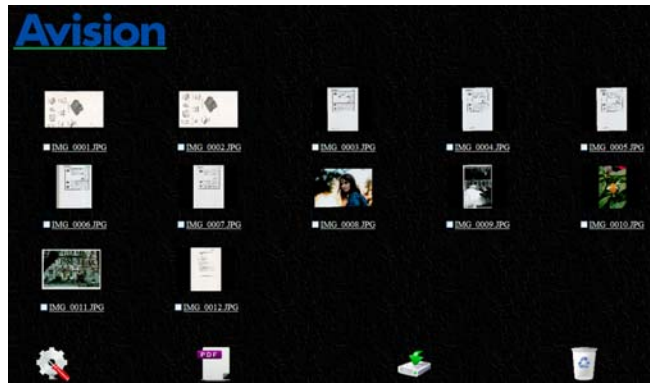
- **Mac users:** Click the **Wi-Fi network** icon on the menu bar and select the network ID (Avision-XXXX). No password is required; wait for the connected status confirmation. Make sure you are connected to only one IP interface (either Wi-Fi or Ethernet port). The Client IP would be 10.10.100.x range.
- **iPhone & iPad users:** Go to **Settings**→**Wi-Fi**→ select the network ID (Avision-XXXX). No password is required; wait for the check mark to confirm the connected status.
- **Android users:** Go to **Settings**→**Wi-Fi Settings**→ select the network ID (Avision-XXXX), and then tap **Connect**. No password is required; wait for the connected status confirmation.

4. Open an Internet Explorer window, the Avision PhotoView page will be displayed.

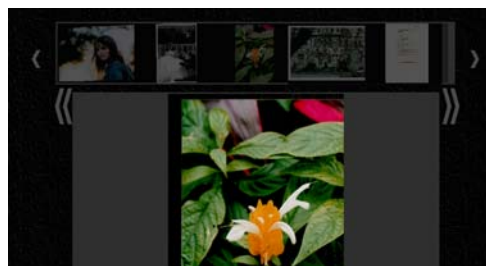
- **PC users:** Click **Start**→**Program Files**→**Internet Explorer** to open an Internet browser.
- **Mac, iPhone & iPad users:** Click or tap the **Safari** icon to launch a browser session.
- **Android users:** Device setups varied, but generally you can tap on an Internet browser icon on your Home screen, or tap on the message "Login may be required".

If you are not directed to the Avision PhotoView automatically, you must type in your default home page URL, e.g., <http://www.google.com> or type in <http://10.10.100.1>. This step will redirect you to "Avision PhotoView" page.

5. The login screen is briefly displayed, and then the image files found in the built-in storage or on a microSD card (*not included*) are automatically displayed.



6. Click or tap on any image to view in full screen.



4.2 Use options under image thumbnails



Click the Setup button to prompt the Setup page. Through the Setup page, you can change the scanner's network ID or create a user name and password to protect your data.



- The display defaults to JPG mode, displaying all JPG files. To view JPG images full screen, click or tap on an image; a slideshow automatically begins to display all images.
- To access PDF files, click or tap the **PDF Mode** button. All PDF files are displayed, but you must download PDF files before they can be opened.
- To switch back to JPG mode, click or tap the **JPG Mode** button.



You can easily download the images from the scanner to your computer or device.

1. Click or tap in the select box next to the file name(s) that you want to download.
2. Click or tap **Download**.

Computers: You are prompted to Open or Save the files. If saving, you are also prompted for the location on your computer to save the files.


Tablets & Phones: The files are automatically downloaded to your Photo Gallery into a folder titled **Download**.

iPhone/iPad Devices:

1. Open Safari Browser, the Avison PhotoView page will be displayed.
2. Select the photo(s) to open.
3. A new browser will appear with selected photo.
4. Press on slideshow image for 1-2 seconds, select "Save Image"
5. The photo or document will now appear in your photos.

Please note only 1 photo or JPG image can be downloaded at a time with multiple selected. Additional PDF viewer application is required for download and view PDF files on iOS system.


Android Devices:

1. Open a Browser, the Avison PhotoView page will be displayed.
2. Select the photo(s) or document(s).
3. Select the download icon () .
4. Document(s) or image(s) selected will begin downloading.
5. Document(s) or image(s) can be found in your gallery.

Please note multiple images or documents can be downloaded at a time.

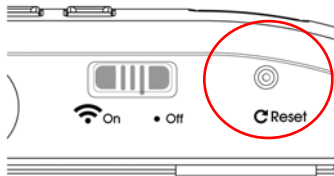
Note: The file path of the downloaded photos or document may vary depending on the manufacturer of the tablet and phones. E.g., some in microSD Card/download and some in internal memory User/download/.



- You can quickly delete image files from the scanner.
 - a. Click or tap in the select box next to the file name(s) that you want to delete.
 - b. Click or tap **Delete** () .
 - c. The file(s) are automatically deleted (you won't be prompted to confirm the deletion).

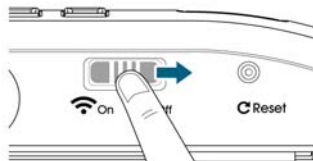
4.3 Reset login settings

Should you forget your login user name and password, you can press the Reset button to resume to factory settings. The Reset button is located next to the Wi-Fi switch on the rear side of the scanner. Press the Reset button with a pin, paperclip or pointy object. The Reset button is recessed, so you will have to insert the object inside the hole to press the button.



4.4 Exit the Wi-Fi Mode

To exit Wi-Fi mode, simply slide the Wi-Fi button to the **off** position or shut off the scanner.



When Wi-Fi mode is on, the scanner does not time-out and automatically turns off like it does normally. Therefore, it is recommended that you connect the scanner to your computer or power adapter, via the micro USB cable, whenever you have Wi-Fi mode on.

IMPORTANT: Be sure to re-connect your computer, tablet or phone to your normal Wi-Fi network when you are finished with your scanner connection so you will be able to connect to Internet, your email and other web related locations/programs again.

5. Maintenance

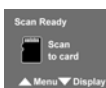
5.1 Calibrate the Scanner






Calibrate only if the scanned image looks fuzzy, the color looks abnormal (e.g., darker than normal), after more than 8,000 scanned, or the scanner has been stored without use for a long time. The calibration process resets the Contact Image Sensor to resume its color and sharpness precision.

Calibration can only be performed with the wand scanner out of the feeder dock. When the scanner is attached to the feeder dock, the calibration feature is disabled.

To calibrate the scanner, complete the following steps:

1. Make sure the battery is fully charged and a memory card is inserted.
2. Remove the calibration sheet from its plastic cover and lay it on a flat surface with the printed side **UP**.
3. **Remove the scanner from the feeder dock.**
4. Place the scanner on the **white area** of the calibration sheet, at the top of the white area.
** Make sure the sheet is clean (i.e. no debris or colored objects).*



5. With the  screen displayed, press  to enter the **Menu** mode.
6. Press  to scroll to **Calibration**, and then press  to select it.
7. Press  to select **YES**.
8. The scanner enters **Calibration** mode. Slowly slide the scanner down over **ONLY** the white area of the calibration sheet.
9. The scanner completes the calibration sequence and automatically **powers off**.
10. Carefully place the calibration sheet back into the plastic cover and store it in a safe place for future use.



Warning:

- Do not interrupt the calibration sequence or try to shut off the device while it is calibrating. If you stop the calibration before it has completed, a calibration error may occur. As a result, when you next power up the unit, an error message may be displayed, and you will have to power off the unit and repeat the instructions in this section.
- Calibrate the scanner only when color of the scanned image looks abnormal.
- Make sure the memory card is inserted.
- Keep the calibration sheet from dust and debris. Any dirt may make the calibration chart invalid or impact the calibration result.
- Use only the included calibration sheet to calibrate the scanner.

5.2 Clean the Scanner and Feeder Dock

It is recommended to clean the scanner and feeder dock approximately every 200 scans or if vertical lines or stripes appear on the scanned image.

Use only the recommended or supplied tool to clean the scanner and feeder dock.

Cleaning steps:

Clean the wand scanner:

1. Remove the scanner from the feeder dock.
2. Turn the scanner over to reveal the rollers and glass.
3. Wipe the rollers and the glass with the included cleaning cloth.
4. Wipe the scanner with a dry and clean lint-free cloth.

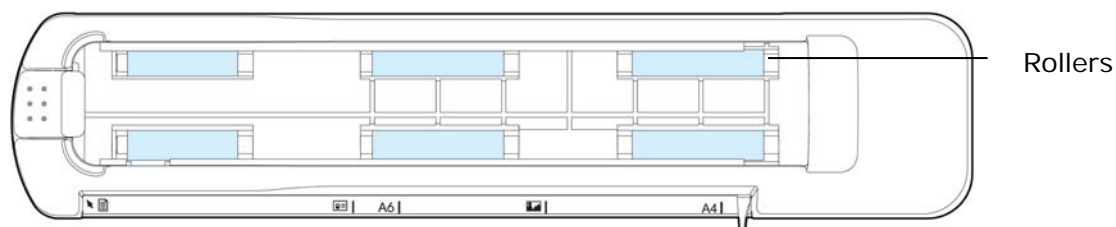


Wand Scanner



Clean the feeder dock:

1. Remove the scanner from the feeder dock.
2. Wipe the rollers with the included cleaning cloth.
3. Wipe the feeder dock with a dry and clean lint-free cloth.




Note:

- Adding some isopropyl alcohol (95%) on the cleaning cloth is more efficient when cleaning the rollers.
 - Do not use any solvents or corrosive liquid (*i.e., alcohol, kerosene, etc.*) to clean any part of the scanner, otherwise the plastic material will be permanently damaged.
 - Make sure the surface of the document or photo doesn't have any paper clips, etc. or this could damage the scanner glass lens.
-

6. Troubleshooting

6.1 Error Messages

If there is error during scanning, the LED light will be flashing in red color and error message will be displayed. Refer to the following table to clear the error conditions.

Error Message	Root Cause/Code Purpose	How to restore
Insert Memory Card	<ol style="list-style-type: none"> 1. No memory card inserted. 2. Card not recognized. 	<ol style="list-style-type: none"> 1. Insert a memory card. 2. Try a different card.
Card Full	Card is full; can't save scanned image to inserted memory card	Free more space or insert a new micro SD™ card.
*Low battery	Battery power getting low.	Replace batteries (or recharge if using rechargeable batteries).
No image scanned	<ol style="list-style-type: none"> 1. No scan data detected. 2. Scanner time out. 	Wait until message disappears.
Format Fails	<ol style="list-style-type: none"> 1. Memory card not recognized. 2. File system is not FAT16/FAT32 	Use a different card.
Calibration Fails	Internal check failed and found calibration data error	Recalibrate the scanner (see the "Calibrate Scanner" section).
Scanned speed too fast	Images look distorted. Moving wand scanner over original too fast.	Move the scanner over the original slower, and if necessary, rescan the original.
Paper jam	<ol style="list-style-type: none"> 1. Original has become stuck in the feeder dock. 2. Original exceeds max. length (14", 356mm) 	Remove the scanner from the feeder dock and then gently pull the original out of the feed slot. Or you may press  to eject the original.

*** Warning:**

If "low battery" is indicated on the LCD display, it is recommended to replace the batteries to prevent possible incomplete scanned images or other operational problems.

6.2 Frequently asked questions and answers

Q :	Why does not my scanner turn on?
A :	<ol style="list-style-type: none">1. The scanner may not be engaged with the feeder dock correctly.2. The batteries may not enough power or may not be inserted correctly.

Q :	Why doesn't my scanner scan?
A :	The scanner may be in the Wi-Fi mode, it must be in the OFF position before scanning. Before scanning photos or documents, the microUSB cable must be disconnected from the scanner.

Q :	The image can not be saved into the memory card while scanning?
A :	Make sure you have a microSD™ card inserted correctly, and that it has adequate space

Q :	Why doesn't my computer recognize my scanner when it's connected via USB cable?
A :	Make sure the cable connection is correct and secure. Restart the computer if necessary.

Q :	Why do all the images I scan have the same date when saved on the memory card?
A :	The device does not have an internal "clock" to keep real time, so the date & time attributes are always a fixed date & time assigned during production, not current date & time.

Q :	Why are my scanned images distorted?
A :	You may be scanning too fast; scan again at a lower speed.

Q :	How can I tell if the scanner is scanning at 300 dpi, 600 dpi or 1200 dpi?
A :	The scan indicator light indicates the selected resolution: Green= 300 dpi, Orange=600 dpi, Orange flashing=1200 dpi (1200 dpi is only available for the wand scanner – MiWand 2 Wi-Fi)

Q :	Why there are strange lines on the scanned document?
A :	Please check the following: <ol style="list-style-type: none">1. Are there scratches on the original or is the original clean ?2. Remove any stains or dust from the original before scanning.3. Clean the rollers and glass with the included cleaning cloth. (Refer to the section "Cleaning the Rollers and Glass))

Q :	Will the scanner recharge my rechargeable batteries?
A :	No, the scanner does NOT recharge rechargeable batteries. You must use your own battery charging device.

Q :	Why there is a red or gray background with lines on my scanned image?
A :	The scanner does not enough power to perform a scan. Charge your batteries and restart the scan.

Q :	Should the scanner feel warm to the touch?
A :	It is normal for the scanner to emit a small amount of heat after prolonged use. However, if there are strange odors coming from the scanner or the scanner feels a little bit hot to the touch, turn the scanner off immediately.

Wi-Fi Mode:

Q :	Why can't I see the Scanner's Wi-Fi Network ID [SSID]?
A :	Make sure the scanner Wi-Fi mode is in the On position. If Wi-Fi Access Point is still in countdown mode, wait until countdown reaches "00" is displayed on the LCD screen and the blue indicator light is On.

Q :	Will the battery power get used up faster when Wi-Fi mode is on?
A :	Yes. When Wi-Fi mode is on, the scanner does not time-out and automatically turnoff like it does normally. Therefore, it is recommended to turn off the Wi-Fi mode when images have been downloaded onto your computer.

Q :	Why can't I connect to my email or other web related locations/programs after disconnecting from the scanner Wi-Fi network?
A :	To resume your normal Wi-Fi connection, be sure to re-connect your computer, tablet or phone to your usual local Wi-Fi network when you are finished with your scanner connection.

Q :	My browser can't access the Avision PhotoView window and the Avision PhotoView slideshow window?
A :	It is probably the proxy settings has been enabled in your device's browser or the URL address of your default page contains "https". In these cases, please enter http://www.google.com or http://10.10.100.1 on the URL address. The Avision PhotoView page will be displayed.

Q :	Why are my files are no longer accessible through the Wi-Fi connection?
A :	If using a microSD card, do not remove the microSD card while you are connected via Wi-Fi. If you have done so, you must restart the scanner to reconnect with Wi-Fi.

Q :	Why can't I see my recently scanned images?
A :	Click the "Refresh" button of your browser or delete all browser session cache.
Q :	Why are my files are no longer accessible through the Wi-Fi connection?
A :	If using a microSD card, do not remove the microSD card while you are connected via Wi-Fi. If you have done so, you must restart the scanner to reconnect with Wi-Fi.
Q :	Why can I still see scanned images deleted from Internet Explorer?
A :	Certain Internet Explorer 7 or 8 SP2 has particular problem to delete selected files and they reappear on SD Card. You can delete through LCD Preview and Delete or through PC-connect to delete physical files using Windows Explorer.

6.3 Technical Service

Before contact Avision, please prepare the following information:

- Scanner serial & revision number (located on the bottom of the scanner);
- Hardware configuration (e.g., your host CPU type, RAM size, free disk space, display card, interface card);

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7. Specifications

Specifications are subject to change without notice.

Item		Description
Regulatory model number		HF-1303S
Image Technology		Contact Image Sensor (CIS)
Scanner Display		1.8" TFT LCD
Memory		Built-in 128MB NAND Flash
Max. Document Size		8.5" x 14" (216 x 356 mm)
Auto power off		3 minutes
Output File Format		JPEG/PDF
Resolution		300 dpi /600 dpi / 1200 dpi (1200 dpi is only available for the wand scanner – MiWand 2 Wi-Fi)
Interfaces	Memory Card	microSD™ card
	USB	Micro USB port compatible with the USB 2.0
Power		
Wand Scanner		Rechargeable Li-ion battery compatible with NP45/(3.7V, 700mAh)/CA NP45 (3.7V, 700mAh)
Feeder Dock		AC Adapter: 100-240V, 50/60 Hz (input) 5Vdc, 1.0A (output)
Net Weight		Wand Scanner: 250 g Feeder Dock: 413 g Wand Scanner + battery: 298 g Wand Scanner + feeder dock: 663 g
Dimensions (WxLxH)		Wand Scanner: 1.6" x 10.1" x 1.4" (41 x 258 x 36 mm) Feeder Dock: 2.7" x 12.6" x 2.2" (69 x 322 x 57 mm)
Operating Environment		Temperature: 5°C ~ 35°C (59°F ~ 95°F) Humidity: 20% ~ 85% RH

Standard	IEEE 802.11 b/g/n standards compliant	
Wireless LAN	1T1R Mode	
Frequency Range	2.400 ~ 2.4835GHz (subject to local regulations)	
Number of Selectable Channels	802.11n: 20MHz/40MHz	
	802.11b/g:	USA, Canada (FCC): 11 channels (2.412GHz~2.462GHz) Europe (CE): 13 channels (2.412GHz~2.472GHz) Japan (TELEC): 14 channels (2.412GHz~2.4835GHz)
Data Rate	802.11n: up to 150Mbps 802.11b: 1, 2, 5.5, 11Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps	
Transmit Power(EIRP)	11n HT40 MCS7 : +13 dBm 11g OFDM: +15 dBm 11b CCK: +18 dBm	
Security	WEP 64/128, TKIP, WPA, WPA2 mixed, 802.1x and 802.11i	