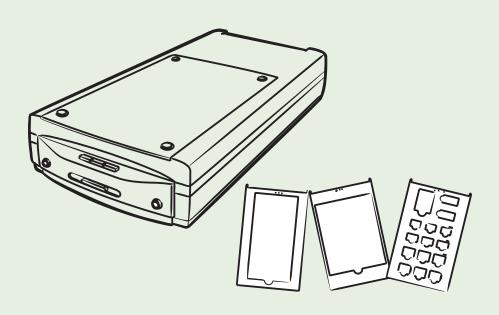




Dental Film Digitizer User's Manual



Preface

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Disclaimer

The contents of this manual have been checked carefully for accuracy, and every effort has been made to ensure that there are no errors. However, Microtek makes no guarantee as to the accuracy of the contents of this document and reserves the right to make changes to the contents without prior warning.

I49-004653, C September 2019

Microtek International, Inc.

6, Industry East Road 3, Science Based Industrial Park, Hsinchu, 30077, Taiwan Tel: 886-3-5772155, Fax: 886-3-5772598, http://www.microtek.com

FCC Compliance Statement

This equipment (Model: MMS-9600TFU2L) 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.

Note: A shielded Hi-Speed USB interface cable with ferrite core installed on the film digitizer connector end must be used with this equipment.

Caution: Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

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.

CE Compliance Statement

This device complies with CE Certification pursuant to

EN 55022:2006 + A1:2007

EN 55024:1998 + A1:2001 + A2:2003

WEEE Compliance Statement

Microtek International, Inc. operates under full compliance with the WEEE Directive. Among the requirements of the Directive are the marking of any applicable equipment placed in the EU market with the WEEE symbol, a crossed out wheeled bin as shown at left; demonstration of the implementation of a takeback program; and meeting recycling targets.

Safety Precautions

Before using your digitizer, read the following safety guides carefully, which detail the proper operation of the digitizer and its accessories to prevent injuries or damage to users or equipment.

Meanings of Symbol Signs



CAUTION

This indicates hazardous situation which, if not payed attention, could result injury or damage to users or equipment.



WARNING

This indicates hazardous situation which, if not payed attention, could result serious injury or death to users.

Power Supply:



Use a power source only with a power rating specified on the marking label.



 Ensure to turn off the power of each device before connecting or disconnecting the cables.



 Insert the plug completely into the outlet, as a loose connection may cause arcing and result in fire.



 Ensure to hold the plug or connector to disconnect the cable; otherwise, if you pull the cable only, it may damage the core wire and result in fire or electric shock.



 Place and route the power supply cord such that it is not likely to be walked on or pinched by items placed upon or against them, paying particular attention to the cord near the power plugs, convenience receptacles, and at the point where it exits from the outlet.



 When the digitizer is left unattended and unused for long periods of time, unplug it from the wall outlet.

Moving and Storing the Film Digitizer:



 Always ensure that the digitizer is stored properly before shipping or moving it. Quick stops, excessive force, and uneven surfaces may cause the product to overturn when moving.



 Do not hit or drop the digitizer. The digitizer may be damaged if it receives a strong jolt, which may result in fire or electric shock if the digitizer is used without being repaired.



Do not place the digitizer on any slippery, slanted, or unstable surface. The
product may slide or fall, causing serious injury to people as well as serious
damage to the product.



• Do not use the digitizer near water. Never spill liquid of any kinds on the product, or it may result in electric shock or other hazards.



 This digitizer should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.



• Do not store the digitizer in which it may be exposed to direct sunlight.

Using the Digitizer



 Before using the digitizer, make sure the area of the glass surface is clear from obstacles.



 The digitizer is only designed and used for digitizing mammography films or reflective materials. Do not attend to use it for other purposes.

Maintenance and Service:



 When the digitizer is going to be cleaned, ensure to turn off the power of each device and unplug the power cable from the AC outlet.



 When you need a repair service, unplug the digitizer from the power outlet and consult qualified service personnel.



 When replacement parts are required, use replacement parts that are specified by the manufacturer or have the same characteristics as the original parts.



 For safety reasons, ensure to inspect the device before using it. In addition, carrying out a regular inspection at least once a year.

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Knowing about Your Film Digitizer

The Medi-2200 Plus is a dental film digitizer, which is specifically designed for the use of the intraoral and extraoral dental films scanning. With the use of exclusive dental film holders and the Smart-Scan function together, the Medi-2200 Plus can automatically perform image auto-cropping and multiple dental films scanning, easily transferring dental films into digital format in short periods of time. The digitized images are intended for the use in primary, secondary and over reading applications; thus, it is specifically designed for the trained medical professionals or staffs.

The Medi-2200 Plus can capture details in bright and dark areas of dental X-ray films and provide the medical professionals a convenient method to digitize the dental X-ray films for the electric data storage. Additionally, the Medi-2200 Plus features the scanning capabilities of reflectives, such as photographs, documents or prints as well.

Features of the Medi-2200 Plus

The Medi-2200 Plus comes with several important features, including the following:

- Energy-saving LED light source Adopting LEDs as the light source, when
 the digitizer is detected by the system, there are no requirements for any
 warm-up time before carrying out the scan, which boots your productivity
 and reduces energy costs amazingly. With its stable performance, the image
 quality will remain consistent even after used for a certain period of time.
- Smart-Scan The Smart-Scan function provides you an intelligent method for scanning X-ray films. With this function applied, the digitizer can detect the film holder with the loaded films, auto-crop the scan frames, perform scanning in a single pass for multiple films at one time, and save the scanned images into your selected folder or send them to your selected application. By using the Smart-Scan button on either the software control panel or the Medi-2200 Plus unit, the busy medical professionals or staffs can save time to convert X-ray films into digital files effortlessly.
- One-pass Scan for Multiple Jobs This feature allows the digitizer to perform scanning in a single pass for all the selected scan jobs.
- 8.5"x14" scan bed The flatbed of the Medi-2200 Plus lets you easily digitize various sizes of dental X-ray films up to 8"x12" and reflectives up to 8.5" x 13.5", which offers more flexibility for storing old X-ray films or records.
- Clinically Proven Image Quality With a high resolution of 4800 dpi, the 16-bit grayscale, and a high dynamic range of 4.0 maximum optical density, the Medi-2200 Plus is able to capture a wide range of gray tones, providing excellent details when digitizing dental images.

- Exclusive Dental Film Holders These specially designed dental film holders are designed to hold a wide range of dental X-ray films in place. By loading the dental film holder on the scan bed before scanning films, you can ensure perfect alignment of your dental images and achieve consistent scans. There are three kinds of dental film holders come with your digitizer package, which accommodate five sizes of intraoral and extraoral dental films, such as intraoral Size 0 through 4, panoramic and cephalometric films. With the use of exclusive dental film holders, medical professionals can scan multiple intraoral dental films at a time, making operations more convenient and efficient.
- Microtek ScanWizard Medi software The friendly user interface of ScanWizard Medi stores X-ray images in a computer readable format, offering an easy and quick access and management.
- Easy to operate, clean and maintain The Medi-2200 Plus requires virtually no routine maintenance and no daily cleaning, which is ideal for busy radiology departments.

System Requirements

In order to use your Medi-2200 Plus, your computer must satisfy the following system requirements:

- CD-ROM drive (for installing software)
- Color display with 24-bit color output capability
- 512 MB RAM or above
- Pentium IV PC or higher with Hi-Speed USB (USB 2.0)
- Microsoft Windows 7, 8 or 10

Unpacking Your Film Digitizer

Looking for Damage

While unpacking your digitizer, inspect the shipping carton for any signs of mishandling or damage. The digitizer's packing carton and padding material have been carefully chosen to prevent damage to the unit in shipping and can withstand a reasonable amount of pressure.

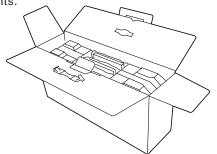
After unpacking your digitizer package, refer to the later section to ensure that you received all of the parts necessary for digitizer setup. If there are any damaged or missing parts, notify the shipper immediately or contact customer service.

NOTE: Save the carton and all packing materials. If you need to ship the digitizer later, it is recommended that you should repack it using the original wire ties, plastic bags, foam supports and cartons, which protects your digitizer from unnecessary damage. Refer to the later section "How to Repack Your Film Digitizer for Shipping" for the detail.

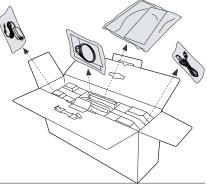
Unpacking Package Contents

After unpacking the shipping carton, follow the steps shown below to take out your digitizer and other accessory components.

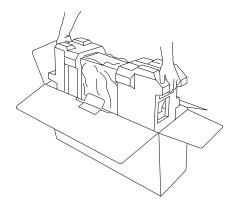
 Ensure that you put your shipping carton toward the right direction. Then, open the top cover.



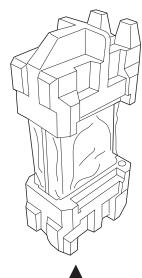
Take out the bags containing the film templates and accessory components from the sides of the carton.



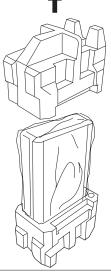
 With both hands, hold and lift up two sides of the foam supports firmly. Before putting down the package on a steady surface, do not go off either of hands from holding the foam supports.



4. Turn over the foam supports and make them stand vertically.



5. Lift up the upper foam support.



6. Then, pull out the digitizer from the bottom foam support.

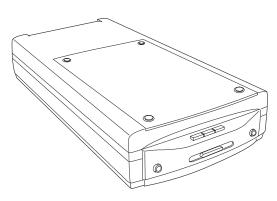
Finally, remove the digitizer from the wrapped plastic bags and place them on a flat and stable surface where there is enough space for positioning the components.

Once the digitizer has been placed in a suitable location and is ready to be connected to the computer, you are ready to step forward to the installation of the necessary software and hardware for the digitizer.



Package Contents

After you have unpacked your digitizer package, please check for the major components listed below.



Medi-2200 Plus film digitizer



Power adapter



Power cord



Hi-Speed USB cable



Software CD



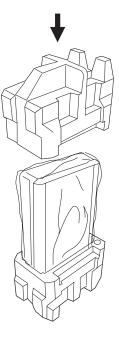
How to Repack Your Film Digitizer for Shipping

To ship back your Medi-2200 Plus for repairing, maintenance services, or other reasons, in order to not damage your Medi-2200 Plus, it is strongly recommended that using the original carton and other packing materials. Follow the steps below to repack your Medi-2200 Plus correctly.

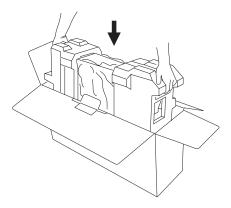
 Wrap the digitizer with the plastic bag, and then insert it into one foam support.



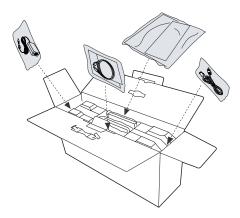
2. Cover down the other foam support on the top of the digitizer.



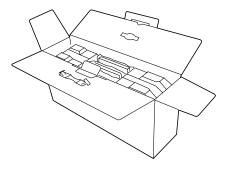
3. With both hands, hold the two sides of foam supports firmly and then insert them into the shipping carton.



4. Put the bags containing the film templates and accessory components into the sides of the carton.

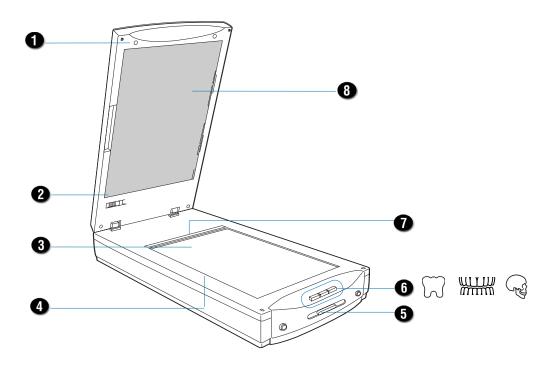


5. Close the top cover of the shipping carton and seal it with tape.



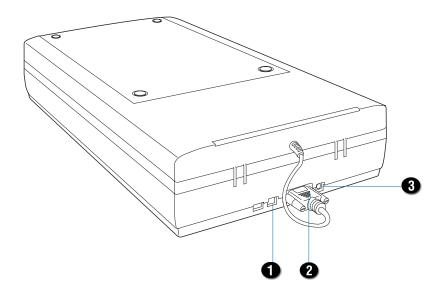
Taking a Closer Look

Front/Open View



Names of Parts	Functions of Parts
Digitizer Lid (TMA)	Used to scan dental films.
Locking/Unlocking switch	Used to lock and unlock the TMA.
Glass Surface	Scan bed for scanning dental films or reflectives.
Vertical Ruler	Used to measure the length of the images.
Power button	Presses to turn on or off the digitizer.
Smart-Scan buttons	Presses to perform the Smart-Scan function. They function same as the Smart-Scan button on the software control panel. These buttons are Intraoral, Panoramic and Cephalometric.
Horizontal Ruler	Used to measure the width of the images.
Black Mat	Used when scanning of reflective materials.
	Digitizer Lid (TMA) Locking/Unlocking switch Glass Surface Vertical Ruler Power button Smart-Scan buttons Horizontal Ruler

Rear View



No.	Names of Parts	Functions of Parts
1	Hi-Speed USB Port	Connects the Hi-Speed USB (USB 2.0) cable to the computer.
2	15-pin Accessory port	Connects the TMA to the digitizer.
3	Power Connector	Connects the digitizer to the power adapter.

Installing Your Film Digitizer

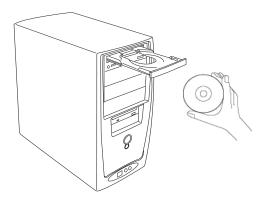
Installing the Software

Important: Do not remove the yellow stickers from your digitizer until you are told to do so. You must install all software before connecting your digitizer.

Always close any open programs and turn off Anti-virus utilities before installing software.

- 1. Turn on your computer.
- 2. Place the Medi-2200 Plus CD-ROM into your CD-ROM drive.
- Follow the on-screen instructions to install the driver and software.

NOTE: If the Microtek Software Installer screen does not come up automatically, double-click the following in succession: "My Computer"; the CD-ROM icon; then cdsetup.exe to start the installer program.



- To install the software on the Medi-2200 Plus CD, click each software program in the order that it appears on the screen to install, and follow the on-screen instructions.
- Click EXIT on the Microtek Software Installer screen when all the software has been installed.
- 6. Restart your computer.

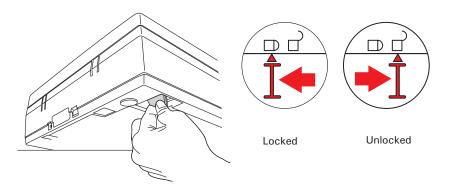
Drivers & Software Upgrades

After you finish the installation of software, if you found that the installed drivers and software cannot run your product or your computer system properly later, please go to the Microtek Download Service site at www.microtek.com/service.php to download and install any updates you may require.

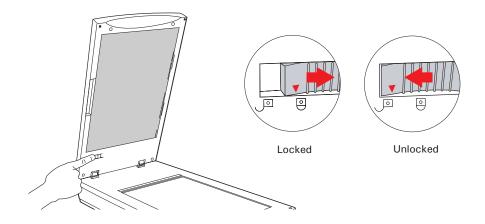
For additional information about Microtek products, please visit our website at www.microtek.com.

Unlocking the Digitizer

- 1. Remove the yellow "Unlock" stickers from your digitizer.
- 2. With the digitizer power off, tilt the digitizer and locate the locking switch at the bottom left corner of the digitizer. Do not turn the digitizer upside down when attempting to unlock, as this may damage the digitizer's mechanism.
- 3. Push the locking switch to the position as indicated in the graphic, with the icon on the lock showing as "unlocked".



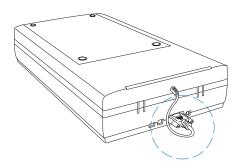
- 4. Raise the digitizer lid (TMA), and look for the locking switch at the base of the TMA.
- 5. Push the locking switch to the position as indicated in the graphic, with the icon on the lock showing as "unlocked".



NOTE: To lock the digitizer and the TMA (for shipping and other purposes), turn the locking switch to the "Locked" position. When locking the digitizer, do not turn the digitizer upside down when locking the digitizer back.

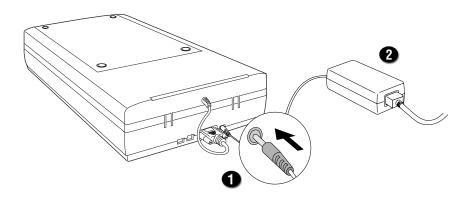
Connecting the Digitizer

Before connecting the Medi-2200 Plus with your computer, make sure that the digitizer lid (TMA) has been properly installed, with its connector securely connected to the scanner's 15-pin accessory port. If not, plug the connector of the TMA into the digitizer's 15-pin accessory port.



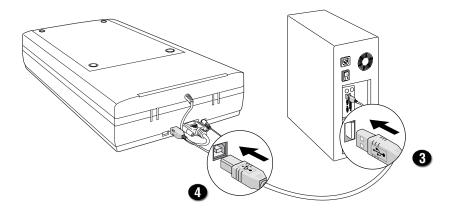
To the Power adapter

- 1. Connect the power adapter to the back of the digitizer.
- 2. Plug one end of the power cord into the power adapter, and plug the other end of the power cord into a wall outlet or other power source.



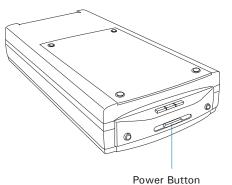
To the Hi-Speed USB (USB 2.0) Cable

- 3. Connect one end of the Hi-Speed USB cable to your computer.
- 4. Connect the other end of the Hi-Speed cable to the digitizer's USB port.



5. Press the Power button on the front panel of the digitizer to turn the digitizer on; the LED of the button panel will light up.

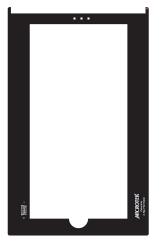
The system will detect your digitizer automatically.



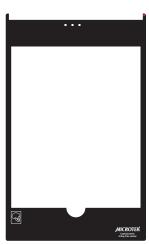
Digitizing Dental Films

To scan dental films, use the film holders included with your digitizer package, and match them with the correct types of film to be scanned. There are three types of dental film holders – Panoramic X-Ray Film Holder, Cephalometric X-Ray Film Holder, and Intraoral X-Ray Film Holder. During scanning, the use of film holders ensures the precise alignment of film, which yields consistent scans and aids the correct performance of the automatic cropping. The use of the individual dental film holder is explained in the succeeding pages of the manual.

Panoramic X-Ray Film Holder	Used to hold two standard panoramic dental film, supporting sizes – 6" x 12" (15 cm x 30 cm) and 5" x 12" (12 cm x 30 cm).
Cephalometric X-Ray Film Holder	Used to hold cephalometric dental film, supporting size 8" x 10" (20.3 cm x 25.4 cm).
Intraoral X-Ray Film Holder	Used to hold five basic intraoral dental film sizes, Size 0, 1, 2, 3, and 4.



For panoramic films



For cephalometric films



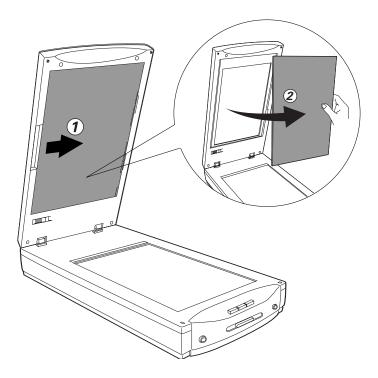
For intraoral films

Removing the Black Mat

The Medi-2200 Plus is come with a Black Mat put on the digitizer lid when shipping. This Black Mat is designed to work with scanning of reflective materials such as photographs, documents or prints as well. It is not designed to work with scanning of X-ray films. During scanning X-ray films, the Black Mat should be removed to reveal the light source in the digitizer for X-ray films.

To remove the Black Mat:

Raise the digitizer lid (TMA) and push the Black Mat to the side (shown in diagram 1) to remove from the digitizer lid (shown in diagram 2).

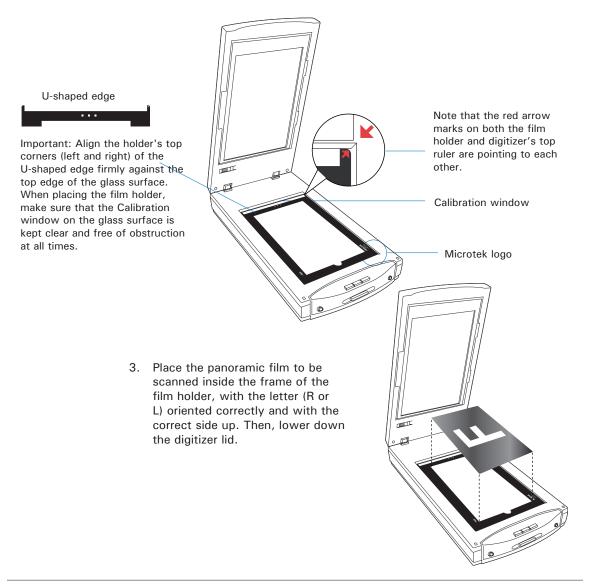


Positioning Dental Films

A. Using the Panoramic X-Ray Film Holder

To scan a panoramic film, use the Panoramic X-Ray Film Holder, which can hold a single piece of panoramic film.

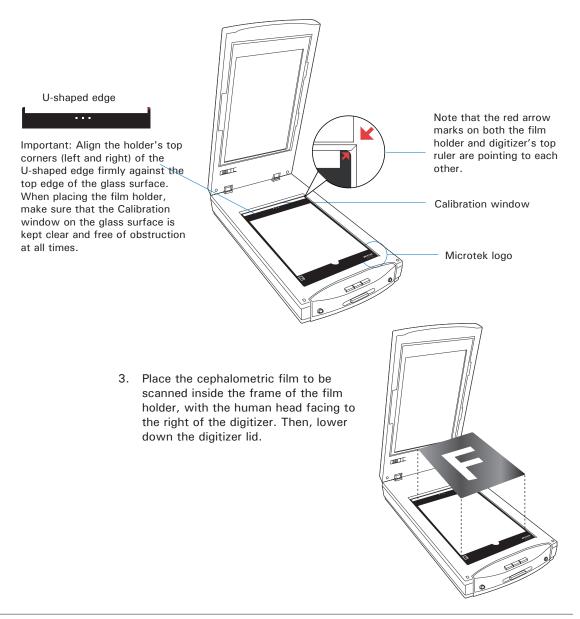
- 1. Make sure that the Black Mat is removed from the digitizer lid.
- 2. Place the Panoramic X-Ray Film Holder on the digitizer glass surface. Make sure to orient the film holder with the "Microtek" logo facing up.



B. Using the Cephalometric X-Ray Film Holder

To scan a cephalometric film, use the Cephalometric X-Ray Film Holder, which can hold a single piece of cephalometric film.

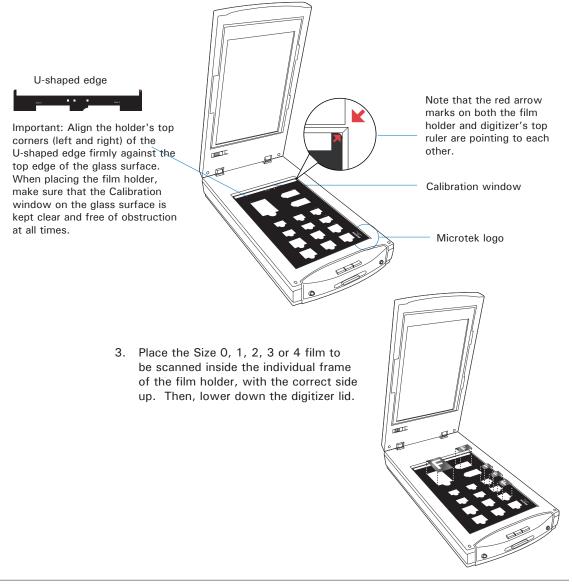
- 1. Make sure that the Black Mat is removed from the digitizer lid.
- 2. Place the Cephalometric X-Ray Film Holder on the digitizer glass surface. Make sure to orient the film holder with the "Microtek" logo facing up.



C. Using the Intraoral X-Ray Film Holder

To scan intraoral dental films, use the Intraoral X-Ray Film Holder, which can hold up to three Size 0, three Size 1, six Size 2, two Size 3 and one Sise 4 films at a time.

- 1. Make sure that the Black Mat is removed from the digitizer lid.
- 2. Place the Intraoral X-Ray Film Holder on the digitizer glass surface. Make sure to orient the film holder with the "Microtek" logo facing up.

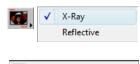


Scanning Dental Films

ScanWizard Medi is a scanning software designed by Microtek for X-ray films or reflectives scanning used for a medical purpose. Its user-friendly interface enables you to easily start the scanning process and finish all the scan jobs. Refer to the ScanWizard Medi software manual for more details.

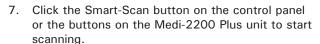
- Follow the procedures for "Positioning Dental Films" to place the film holder and dental films on the digitizer glass surface.
- Launch ScanWizard Medi (either as a stand-alone by clicking the program icon, or by using the "File-Import" or "Scan" command from an application program).
- Make sure you are in the "X-Ray" scanning mode. If not, click the "Scan Material" icon in the Preview window; then, select "X-Ray" as your scanning mode.
- 4. Select your image output type in the Type drop-down menu.
 - Select Gray Scale to scan the image in 8-bit grayscale.

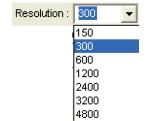






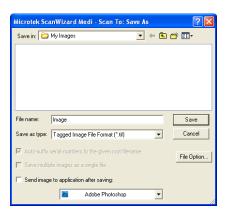
- Select Gray Scale (12-bit) to scan the image in 12-bit grayscale.
- Select Gray Scale (16-bit) to scan the image in 16-bit grayscale.
- Select your desired image output resolution in the Resolution drop-down menu. The default setting is 300 dpi for the X-Ray scanning mode.
- If necessary, click the Window Expansion button to reveal the image correction tools to adjust image quality.





- Press the will button on the digitizer if using the Panoramic X-Ray Film Holder
- Press the button on the digitizer if using the Cephalometric X-Ray Film Holder.

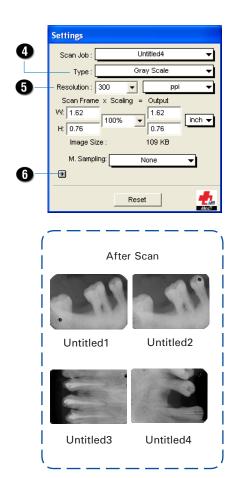
 If ScanWizard Medi is launched as a stand-alone program, a window "Scan To: Save As" dialog box will appear. Click the Save button; then, the scanned image can be saved into your selected folder or sent to your selected application.

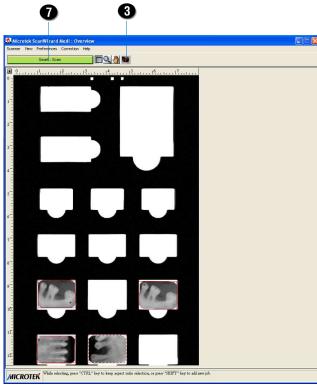


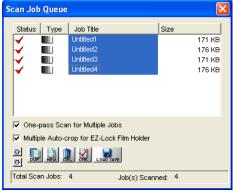
To view the scanned image, double click the "MSmart Images" icon on your desktop (default folder assigned by the software), or retrieve it from your assigned folder.



 If ScanWizard Medi is launched as a Plug-In from an image-editing program, the scanned image is delivered after the scan to your application, where the image can be saved, viewed, or printed further.





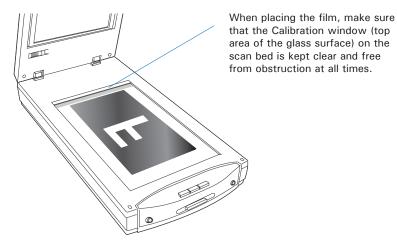


Digitizing Dental Films without Film Holder

If the supplied film holder is not going to be used, Medi-2200 Plus also allows you to scan the dental films without any film holder on the scan bed. Follow the steps below to perform your scan.

 Place the dental films to be scanned facing down on the digitizer glass surface, then lower down the digitizer lid.

Proper positioning of the film on the digitizer is important for getting a correct image. Incorrect positioning of film will result in an incorrect image.



- Follow the procedures (steps 2 through 6) for "Scanning Dental Films" to launch the ScanWizard Medi software, and to specify your scanning requirements.
- Click the Smart-Scan button on the control panel or any buttons on the Medi-2200 Plus unit to start scanning.

If you do not use a supplied holder, then start the scanning process, when the overview is finished, ScanWizard Medi will prompt you a window to ask if you want to continue the scanning.

You can select the Scan Frame tool from the Toolbar in the Preview window, and directly resize the scan frame (floating dotted line) around the image by dragging on the edge of corner of the scan frame.



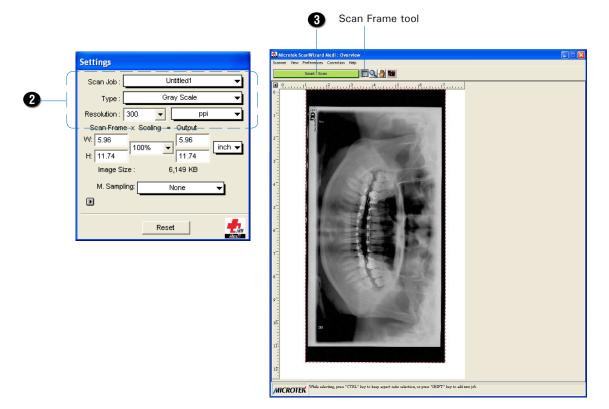
When done, click the Scan button to continue your scanning.

 If ScanWizard Medi is launched as a stand-alone program, a window "Scan To: Save As" dialog box will appear. Click the Save button; then, the scanned image can be saved into your selected folder, or sent to your selected application.



To view the scanned image, double click the "MSmart Images" icon on your desktop (default folder assigned by the software), or retrieve it from your assigned folder.

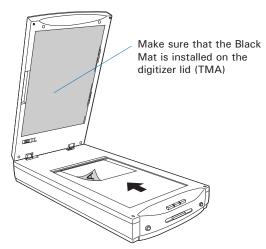
• If ScanWizard Medi is launched as a Plug-In from an image-editing program, the scanned image is delivered after the scan to your application, where the image can be saved, viewed, or printed further.



Digitizing Reflective Originals

To scan reflective originals, such as photographs, documents or prints, you can still use the Medi-2200 Plus with built-in transparency adapter.

- Raise the digitizer lid, and place the reflective original to be scanned facing down on the digitizer glass surface.
- 2. Place the top end of the document towards the back of the digitizer, then lower the digitizer lid on the glass surface.



- 3. Launch ScanWizard Medi (either as a stand-alone by clicking the program icon, or by using the "File-Import" or "Scan" command from an application program).
- Make sure you are in the "Reflective" scanning mode. If not, click the "Scan Material" icon in the Preview window; then, select "Reflective" as your scanning mode.



- Click the Overview button to perform a preliminary scan of the image, which will appear in the Preview window.
- In the Preview window, you can select the Scan Frame tool from the Toolbar, and resize the scan frame (floating dotted line) around the image by dragging on the edge or corner of the scan frame to determine the final size of the actual scan.
- 7. Specify your scanning requirements in the Settings window.
 - Select a desired image type.
 - b) Select a desired resolution.
 - c) Adjust the scan frame settings if necessary.

- Adjust image quality if necessary, using the Advanced Image Correction (AIC) tools. Clicking the Window Expansion button to reveal the image correction tools.
- If the colors in your reflective originals (e.g. photos) are faded and need restoring, check the "Automatic Color Restoration" box in the Settings window.
- 10. Click the Scan to or Scan button to scan the image.
 - If ScanWizard Medi is launched as a stand-alone program, the scanned image can be saved after the scan to a file, opened in an image-editing program, or sent to a printer.
 - If ScanWizard Medi is launched as a plug-In from an image-editing program, the scanned image is delivered after the scan to your application, where the image can be saved, printed, or modified further.

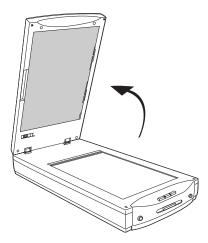


Care and Cleaning

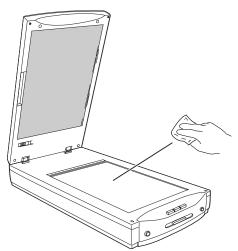
To ensure optimal performance for the Medi-2200 Plus, it is important to clean the glass surface of the digitizer on a regular basis.

Cleaning the Glass Surfaces

1. Lift up the digitizer lid.



Use the cleaning cloth come with your package or a soft, non-abrasive and lint-free cloth to gently wipe the glass surface area on the digitizer's scan bed.



NOTE: Do not use any detergents, synthetic cleaning solutions, cleaning naphtha, or other solvents to clean the glass surface directly.

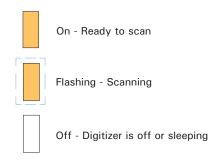
Maintenance

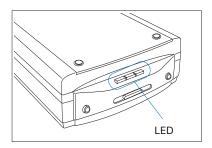
After usage for a period of time, the parts inside your digitizer, such as the light source, may become worn out, and a problem such as insufficient light supply may occur. In this cases, contact your local dealers or wholesales for the maintenance services.

NOTE: Your digitizer need a professional to perform the required service or maintenance. Do not attend to fix or perform the maintenance by yourself, or it may cause dangers to you or the digitizer.

Troubleshooting

The LED on the button panel indicate the status of the digitizer.





If you encounter any problems, check the section below and follow the suggested solution if your problem is listed. You may also want to go over the installation instructions described in the "Installing Your Digitizer" chapter of this manual to make sure that you have followed all procedures properly.

1. No light comes on when the digitizer is turned on.

Make sure your digitizer is connected to your computer and plugged into a power source.

2. The Add/Remove Hardware Wizard appears on your screen.

Click the "Cancel" button and close the ScanWizard Medi.

Disconnect the Hi-Speed USB cable from the back of your computer, and refer to the installation instructions in this manual.

When trying to scan, an error message appears on your screen that reads, "Can't Find Scanners".

Make sure your digitizer is unlocked (see "Unlocking the Digitizer" section).

Make sure your digitizer is connected to your computer and plugged in to a power source (see "Connecting the Digitizer" section).

Uninstall and reinstall the ScanWizard Medi software.

4. After clicking scan, a blank screen appears.

Make sure your digitizer is unlocked (see "Unlocking the Digitizer" section).

Uninstall and reinstall the ScanWizard Medi software.

Having trouble scanning X-ray films.

Make sure the TMA (Transparency Media Adapter) is properly installed, with its connector securely connected to the digitizer's 15-pin accessory port.

Make sure you place the film holder and film properly on the scan bed. Do not block the calibration window (as indicated in the "Positioning Dental Films" section).

Make sure you are in the "X-Ray" scanning mode. If not, click the "Scan Material" icon in the Preview window; then, select "X-Ray" as your scanning mode.

Uninstall and reinstall the ScanWizard Medi software.

6. Having trouble scanning reflective originals.

Make sure you place the reflective original to be scanned properly on the scan bed.

Make sure you are in the "Reflective" scanning mode. If not, click the "Scan Material" icon in the Preview window; then, select "Reflective" as your scanning mode.

Uninstall and reinstall the ScanWizard Medi software.

Specifications

Type Desktop flatbed film digitizer
Image Sensor CCD (Charge-Coupled Device)

Light Source LED (Light Emitting Diode)

Scanning Modes Grayscale in a single scanning pass

Input:

16-bit grayscale (Approx. 65,536 shades of gray) 8-bit grayscale (Approx. 256 shades of gray)

Output:

16-bit grayscale (Approx. 65,536 shades of gray) 12-bit grayscale (Approx. 4,096 shades of gray) 8-bit grayscale (Approx. 256 shades of gray)

Resolution Optical: 4800 dpi (H) x 9600 dpi (V)

Scanning Area Transparent: 8" x 12" (203 mm x 305 mm)

Reflective: 8.5" x 13.5" (216 mm x 343 mm)

Product Life Cycle 100,000 scans or 5 years

Interfaces Hi-Speed USB (USB 2.0)

Dimensions (L x W x H) 22.6" x 11.7" x 4.6"

(576 mm x 297 mm x 118 mm)

Weight 14.1 lbs (6.4 kg)

Voltage AC 100V to 240V, 50-60 Hz (Input)

DC 15V, 2.5A (Output)

Power Consumption 38 W (Max)

Power supply Voltage Manufacturer Model No.

100V to 240V HAIDER HDAD38W101

Environment Operating Temperature: 50°F to 104°F

(10°C to 40°C)

Relative Humidity: 20% to 85%

Important

Specifications, software bundles, and accessories are subject to change without notice. Not responsible for typographic errors.