Astra 610S
Owner's Manual

This operation manual contains all the information to setup and use the hardware and software that came with your scanner. More detailed information can be obtained through the online manual in the VistaScan folder.

! Make sure the power is OFF before installing.

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Table of Contents

Quick Installation

Using The Bundled Software

Learning More About Your Scanner

1. Connecting the Interface Card (For PC only)

1. Turn your computer's power off and remove the computer's housing cover. (Usually this will require you to remove some screws from the back of your computer with a Phillips head screwdriver.)

2. Locate an available 16 bit ISA expansion slot. Remove the slot cover of that 16 bit slot so that you can put in the included SCSI card.

3. Insert the SCSI card by pressing it gently but firmly into the slot. Make sure it is firmly seated into the slot. (Remember to secure the SCSI card by using the screw from the slot cover.)

4. Replace the computer's housing.

- *The SCSI card that is supplied by UMAX is a proprietary card and will only support the UMAX scanner. However, UMAX scanners are ADAPTEC compliant so they are ADAPTEC compatible.*
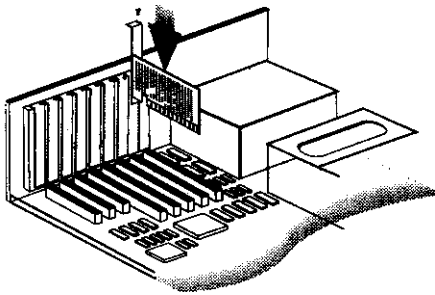
2. Connecting the SCSI Cable

For PC

1. Connect the SCSI cable to the SCSI interface card you installed.

2. Connect the other end of the SCSI cable to the scanner. It is OK to connect the cable to either SCSI port on the scanner.

3. If your scanner is not chained to other SCSI devices, please connect the Terminator to the remaining SCSI port of your scanner.
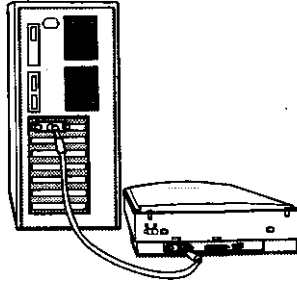
For Macintosh

You need to check to see which SCSI ID's are already being used by other devices that are hooked up to your computer. UMAX scanners are preset at SCSI ID 55. If no other device is using this address you can proceed to install the scanner.   If another device is already using this address you must change the SCSI ID number on the scanner. To change the SCSI ID number (located at the back of the unit),

1. Make sure the scanner is turned off.

2. UMAX scanners are preset to SCSI ID #5. If you already have a SCSI device pre-set to SCSI ID #5, see page 14 to change the ID number of your scanner. The section is titled, "Changing the SCSI ID number".

3. Connect the SCSI cable to your scanner then connect the other end of the cable to your Mac's SCSI port.

4. If your scanner is not chained to other devices, please connect the Terminator to the remaining SCSI port of your scanner.
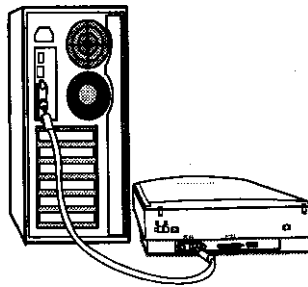
3. Important! Unlock your scanner first

Look at the rear of the scanner. You should see a switch that has an unlock and lock symbol. Your scanner is locked to prevent damage during shipment so the optics must be freed before scanning. Flip the switch from the Locked position to the Unlocked position. See the illustration below.
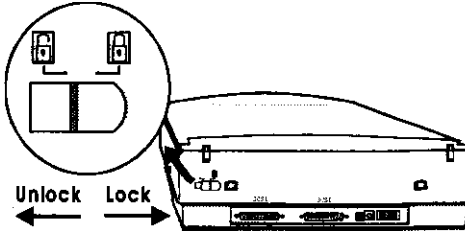
4. Connect the Power

Plug in the Power Adapter power cord and follow the installation instructions below:

Simply insert the round end of the power cable into the back of the scanner and plug the other end of the cable into an available electrical outlet. See the illustration below.
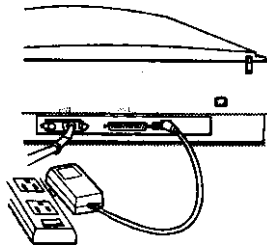
5. Driver Installation

For Windows 95 and Windows NT 4.0 users:

1. Insert the Scanner CD into your CD-ROM drive.

2. Click the **Start** button on the taskbar and select the **Run…** command.

3. **Install Adobe PhotoDeluxe first:** PhotoDeluxe will automatically run its install program. Follow the instructions to install PhotoDeluxe.
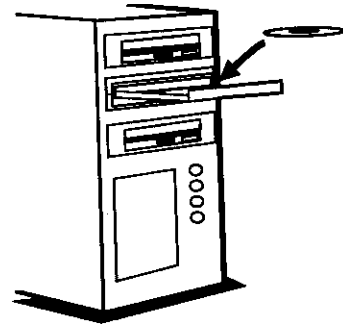
4. **Install Presto! PageManager and VistaScan next:** On the command line of the Run dialog box, type **D:\SETUP** (where D indicates the CD-ROM drive).

5. Follow the on-screen instructions to complete the installation.

For Windows 3.X users:

1. Insert the Scanner CD into your CD-ROM drive.

2. Run Windows.

3. Choose the **File**. Then **Run** command from the Windows Program Manager.

4. **Install Presto! PageManager and VistaScan next:** On the command line of the Run dialog box, type **D:\SETUP** (where D indicates the CD-ROM drive).

5. Follow the on-screen instructions to complete the installation

For Macintosh users:

1. Install PhotoDeluxe first. Insert the CD labeled PhotoDeluxe into your CD-ROM drive and double click on the **PhotoDeluxe Installer** icon. Follow the on screen instructions to install the software.

2. Insert the UMAX Scanner CD into your CD-ROM drive and double click on the icon that reads UMAX Scanner CD Installer. Follow the on-screen instructions to install Presto! PageManager (Scanning OS), VistaScan (UMAX scanner driver), and on-line manual.

6. Testing your scanner (for PC only)

Doing this step ensures that you have setup all of the software, SCSI card, and hardware correctly.
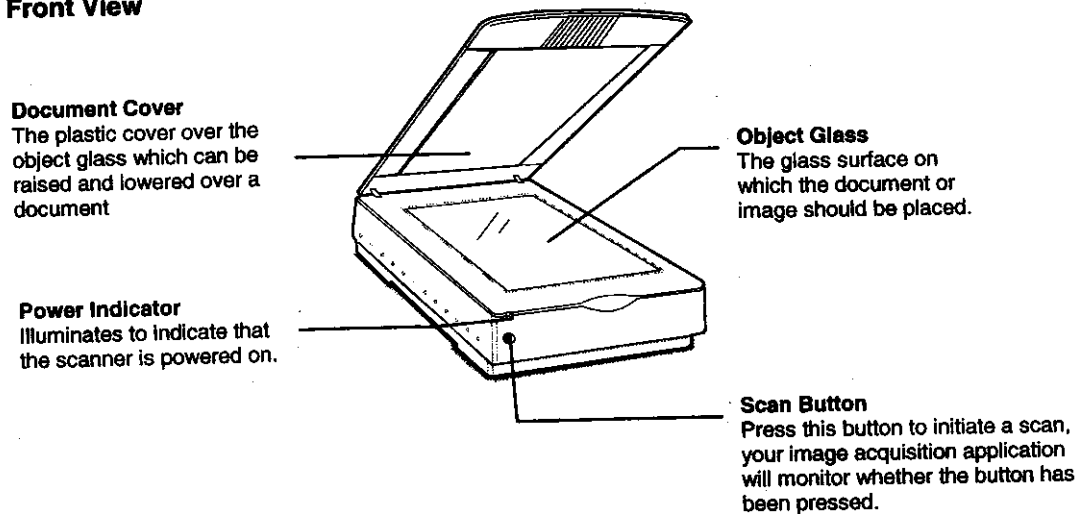
1. Turn on your computer.

2. Run Windows, locate and open the VistaScan folder.

3. Click on the icon that reads, "Scanner Test" to execute the test process. Follow all of the on-screen instructions in order to test the scanner. This process will ensure that you have installed all of the hardware and software correctly.

Note: If the scanner test fails, please refer to the Troubleshooting section of this manual for a solution.

Consult page 8 to complete your first scan using PhotoDeluxe. Page 11 for Presto! PageManager.

7. A Glance at Your Scanner

The Front View

Document Cover
The plastic cover over the object glass which can be raised and lowered over a document

Object Glass
The glass surface on which the document or image should be placed.

Power Indicator
Illuminates to indicate that the scanner is powered on.

Scan Button
Press this button to initiate a scan, your image acquisition application will monitor whether the button has been pressed.

The Rear View

Power Adapter Receptacle
Attach the Power Adapter cord to this socket.

Optical Assembly Lock
Switch to the unlocked position to scan and the locked position to secure the optical assembly for shipment.

25-pin SCSI connector
These sockets correspond to the SCSI ports on your PC.

SCSI ID Switch
The switch used to set the scanner's SCSI ID

8. Using Adobe PhotoDeluxe

Adobe PhotoDeluxe is an image editing application that provides guided activities for easy image manipulation. With PhotoDeluxe and your scanner, you can easily create cards, calendars, touch up photos, change backgrounds, and much more. Your scanner will scan photographs into PhotoDeluxe and PhotoDeluxe will walk you through the scanning/image editing process. PhotoDeluxe provides activities that would take hours in other programs. Image editing is made easy.

For complete information see the following topics: "Scanning a photo" and "About scanners and digital cameras" in on-line help.

Intro Tabs

The buttons shown to the left organize all of the activities in PhotoDeluxe into categories. Clicking on this icon will bring up a series of tabs that have all of the activities that PhotoDeluxe has templates for (shown below).

Guided Activities folders

Inside of each folder are numbered tabs which will guide you through the image editing process. Clue cards will assist you by providing you with information about each step.
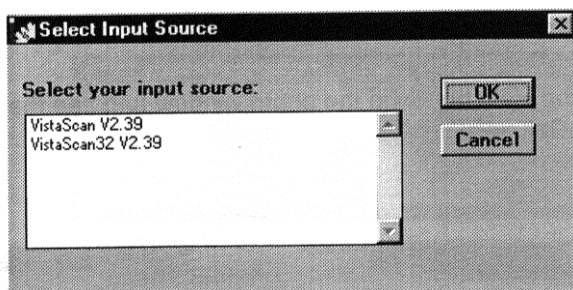
Pictured above is the Select Input Source menu that shows you all the selectable drivers for PhotoDeluxe. You will see this interface when you click on the down arrow – located below the scanner icon. Please select VistaScan 32 then click OK. You will only need to select VistaScan once unless you choose to change your scanner driver.

Toolbar

The toolbar shown above allows you to zoom in and out of the picture with the magnifying glass or with the magnification pull down bar. The garbage can allows you to delete the selected object. The "T" button above allows you to place text onto your current project.

For complete information about the toolbar, click the Help button in the photo window and see the topic "Looking at the photo window," under "PhotoDeluxe Basics".

Photo Organizer

When using a gallery, or photo collections, the photo organizer appears. The photo organizer floats above other windows. For more complete information about the photo organizer, see the topic "Organizing your photos" in on-line help.
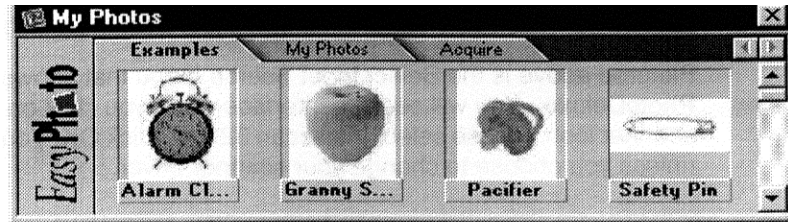
The following is an example of a typical task in PhotoDeluxe.

Step 1 – Open PhotoDeluxe

Step 2 – The remaining instructions will show you how to make your first scan using PhotoDeluxe. As an example, we will create a calendar. Click the Cards & More option from the menu at the side. You will notice that all the functions are preceded by an introduction. Click on the Cards & Calendars tab and then the Calendar icon. Follow the Clue cards and messages until you reach the Add tab. You will see the two illustrations below during this process.
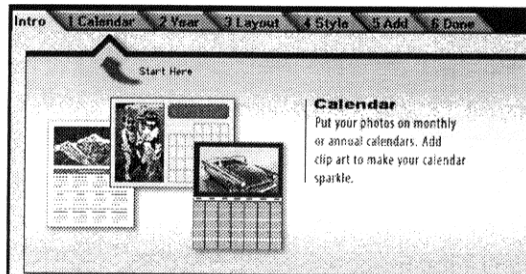
Step 3 – Clicking on the **Add** tab will display the set of icons shown to the right.
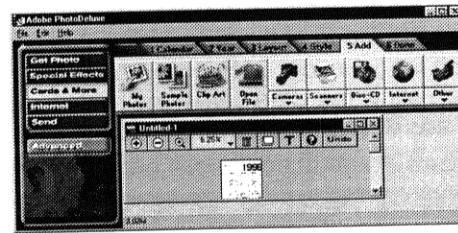
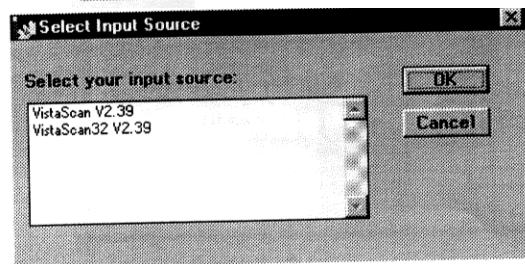**Step 4 –** Next, click the arrow underneath the scanner icon.

Step 5 – Select the appropriate driver from the *Select Input Source* dialog box. Choose VistaScan32 V3.1 (for Windows 95 users). Click OK to confirm your driver.

Step 6 – Then, click the Scanner icon to acquire the image. The *My photos* dialog box will display a thumbnail of the image in the Acquire dialog box. This process will ask you to enter a filename.

Step 7 – Drag the thumbnail from the Acquire section of the *My photos* dialog box to the area on the calendar you wish to place the photograph.
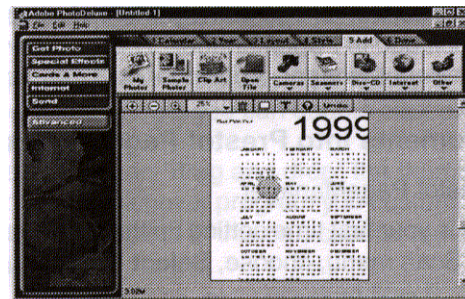
To save a photo into a different format or to use in a different program

Step 1 – With a photo open, complete any activity you may be using, click the Send button and then click the To Disk Tab.

Step 2 – Click the Export button, and click the 1 Export tab.

Step 3 – Click the button that matched how the photo will be used. If you are unsure which format to save to consult the following list.

 - for World Wide Web – try .gif   - for any other file format, click Other Export
 - for output to a desktop publishing program – try .eps, .tiff in the Other Export tab

9. Using Newsoft's Presto! PageManager

Presto! PageManager adds versatility to your Astra 610S color scanner. Photos and Documents can be scanned into PageManager from where they can be e-mailed, printed, or faxed. The application bar (the bar at the bottom of the interface) can be customized with as many different applications as you desire. Image management is as easy as "dragging and dropping". There are many functions included in PageManager. This guide will lead you through some of the most common uses for PageManager. Additional help can be accessed from the on-line manual.

Scanning Documents Into Presto! PageManager

**Step 1 –** Open Presto! PageManager.

Step 2 – Since this is your first time setting up the software, from the Scan menu, choose **Select Source.**

Step 3 – A dialog box should appear with all of the selectable scanner drivers. Choose VistaScan_32 (for Windows 95 users) and VistaScan (for Windows 3.1 users) as your driver. Click on Select.
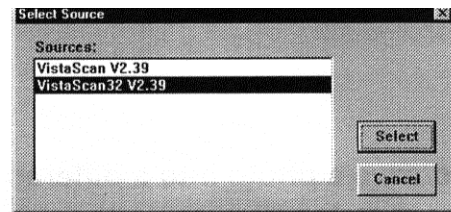
Note: steps 2 & 3 only need to be done the first time setting up the software unless you choose another driver.

Step 4 – To begin the Scan process: Click the scanner icon (pictured at the right) or access VistaScan from the Scan menu by selecting Acquire…VistaScan should appear.
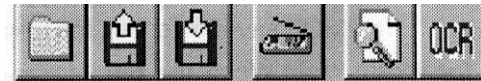
Step 5 – Place photo or document to be scanned face down on the object glass. Align the photo or document on the zero mark for optimal scanning.

Step 6 – Select appropriate settings (dpi, color/B&W, brightness, etc.).

Step 7 – Click **Preview**. The scanner's optics will move and the image will appear as a low res image in the preview box. Crop off our image by moving dotted lines to cover only the desired scanning area. Click **Scan**.

Step 8 – The scanner optics will scan, and your image will show up as a thumbnail on the Presto! PageManager desktop. To view the entire image, you can double click on the thumbnail

-or-

To use this image in another program: You can "drag and drop" the thumbnail to the application bar to print, fax, e-mail, or a program you customize to open it (an example is pictured above). (To set up a program in this bar, consult the sections "**Adding programs to your Application Bar**")

Adding programs to your Application Bar

The following description will describe how to setup a program in your application bar.

Step 1 – From the **File** menu select **Preferences.**

Step 2 – Click **Applications.** The Applications tab appears.

Step 3 – Click **Add**. The Add Application dialog box appears.

Step 4 – Click Browse.

Step 5 – Locate the executable file (?.exe) of the program that you want to add.

An example is c:\winword\winword.exe:
  a) Click on your hard drive (c:)
  b) Find your Winword folder
  c) Click on Winword.exe
  d) Click OK

Step 6 – Approve the Description (how you want the icon to read), Filename (the ?.exe of the program that you want to add), and the Format (the format that PageManager will save to before sending your image to the desired program).

Step 7 – Click **OK** to save the new settings and **Close** the dialog box.

How to do Optical Character Recognition

Step 1 – Scan an image as described in **Scanning Documents Into Presto! PageManager.**
       (Note: the settings in VistaScan, the scanner driver, should be **Lineart** and **300dpi**)

Step 2 – Double click on thumbnail to bring the image full screen when it is in Presto! PageManager.

Step 3 – Click on the icon that reads, **OCR** (pictured above). This will automatically OCR your document,
       -or- If you want to OCR your image to your word processing program "drag and drop" the
       thumbnail to your application bar which has your word processing program set up.
       (To set up a program in this bar, consult the section "**Adding programs to your Application
       Bar**")

Saving into Different Formats
(example: .tiff, .bmp, .jpg, etc.)
If you would like to save the image in a specific format to use in a different application such as image editing and desktop publishing programs, e-mail, fax, or word processors.

Step 1 – Scan the image as described in **Scanning Into Presto! PageManager.**

Step 2 – Double click on thumbnail on the PageManager desktop to bring the image full screen.

Step 3 – From **File** menu select **Save As.**

Step 4 – Enter a filename, select which format and what drive you would like to save to.

Step 5 – Click **OK.**

# 10. Start Your First Scan by Using the Scan Button on Your Scanner

Document and photo placement

1. Raise the scanner's document cover.

2. Place the document, graphic, text, or photo to be scanned face down on the scanner. Center the document to the **triangle** as shown to the right.

3. Lower the document cover.
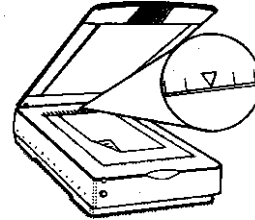
Follow the below instructions to complete scanning

1. Run Windows.

2. Make sure that the "Scan Button On" is running under the VistaScan program group. If it is not, the push button will not work. Locate the "Scan Button On" icon located in the VistaScan folder to activate the Scan button on your scanner. MAC users will find Scan Button On located in the startup folder.

3. Press the **Scan** button on the front panel of your scanner.
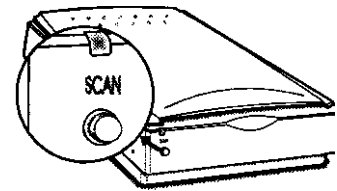
   Presto! PageManager pops up automatically and the scanner's driver appears. Choose whatever formatting you would like (dpi, color/B&W, contrast, etc.).

4. Click **Preview**; Crop off the desired scanning area; then click **Scan**.

11. Acquiring images into TWAIN compliant software

(ex. PhotoShop, Picture Publisher, Kai's Power Goo, etc.)

1. Open up your image editing software (ex. PhotoDeluxe, PageManager, PhotoShop, etc.)

2. **For Windows users –**

   a) From the *File* menu, choose Select TWAIN 32 Source (Select TWAIN Source for Windows 3.1 users).

   b) Click VistaScan 32 (for Windows 95 users) or VistaScan (for Windows 3.1 users).

   c) Again click the File menu, choose TWAIN 32…
   For Macintosh users – From the File menu, choose Acquire or Import

3. VistaScan, the UMAX scanner driver, should appear. At this point you should select whatever formatting you would like to scan at (dpi, B&W, brightness, contrast, etc.).

4. Click **Preview**; Crop off only the area that you would like to scan.

5. Click **Scan.**

12. VistaScan

VistaScan is the user interface that controls the various functions of the scanner. In this interface you can change the dpi, color/B&W, scaling, etc. VistaScan also allows you to do a Preview – allows you to get a low res image which allows you to see where you have placed your photo or documents.
Crop – You can crop off only the area that you want to scan.
Scan – This button allows you to scan the image with the settings that you have designated.

For more detailed information on VistaScan, consult the on-line manual.
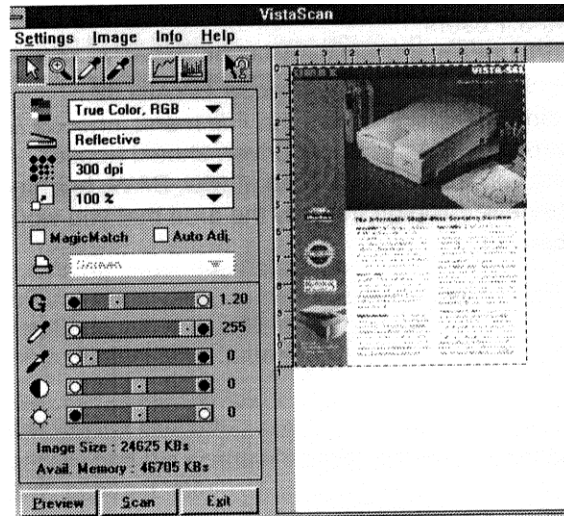
13. Changing the SCSI ID Number

If you have other devices connected to your SCSI port, you need to check and see what SCSI ID's are already used. The scanner is preset at the factory to SCSI ID 5.

If, after checking other devices in the SCSI chain, you find that SCSI ID 5 is unused, you do not need to change the ID on the scanner and you can go ahead with the installation.

If, however, after checking other devices in the SCSI chain, you find that another device uses SCSI ID 5, you must change the SCSI ID on your scanner.

To change the SCSI ID, do the following:

1. Make sure the scanner is turned off.

2. Gently turn the switch until an unused number appears in the switch's notch.

Note: Do not use SCSI ID 8 or 9 on your scanner. They are for factory use only.
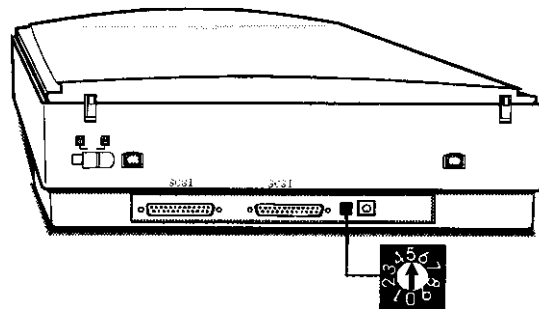
14.   Ten things you should know about scanning:

1. Generally, scan at half of the resolution of the printer that you are outputting to.

2. If you are unsure what DPI to scan at…try 300 dpi for color, photos, B&W documents, and OCR; 72 dpi for web publishing; and 200 dpi for faxing.

3. TWAIN is a standardized interfacing system tat allows many software applications to access many different image input devices. Umax scanners are fully TWAIN compliant.

4. SCSI – is one of the interfaces that allow a scanner to connect to a computer.

5. Descreen – descreen is a function built into VistaScan. When scanning magazine articles, art prints, or newspapers, descreen must be turned on to eliminate the moiré pattern. (image looks checkered)

6. halftone, RGB – these are some of the more common settings in VistaScan. B&W would be for scanning Black and white documents and OCR scanning, halftone consists of numerous levels of gray, and RGB is for color photos and documents.

7. "How can I get more information on my scanner?" There is detailed information about your scanner, VistaScan, PageManager, and PhotDeluxe located in electronic format. Help and additional information can be accessed from the users guide located in the VistaScan and PageManager folders.

8. OCR – "Optical Character Recognition"; translates an image with printed text into computer recognizable symbols.

9. DPI – "Dot Per Inch"; measurement that defines the density of display.

10. "How can I get technical help?" UMAX offers technical support at 214-739-1915 Monday-Friday 9am-5pm CST and through our technical assistance page on our website (includes downloading drivers).

15.   Troubleshooting

The scanners are designed to be reliable and easy to install. If, however, you have a problem with your scanner, these troubleshooting steps should indicate the cause of the problem.

If the scanner lamp flickers, is dim, or fails to come on:
The scanning lamp is failing or has failed and needs to be changed. Please contact your dealer or Technical Support.

If the indicator comes on, but software returns "scanner link failed", or similar message:
1. Make sure the cable is connected properly.

2. Check the installation procedures to make sure you followed all of the instructions.   Macintosh users should pay special attention to the setting of the SCSI ID number.

3. Disconnect all of the SCSI devices. Connect only the scanner WITH NO terminator. Doing this will see if there is an address conflict with the scanner and your computer. Once your scanner is working, connect the other SCSI devices one-by-one to see which one caused the problem.

4. Check the terminators and the cables.

Note: If you are having intermittent problems either with the link between the scanner and your computer or are having intermittent problems with the results of your scans, try installing an external SCSI terminator if it is not already connected.

If you get an error message that ready, "Invalid Port Address"
1. Make sure that you are using the SCSI card that was supplied or an Adaptec compatible SCSI card.

2. The SCSI card might not be firmly seated in the 16 bit expansion slot. Reseat the card, preferably in a different slot, or swap it with a slot that you know is working.

3. If you are using an Adaptec card, please reinstall Presto! PageManager and VistaScan through the customer installation (the UMAX installation defaults to the proprietary card that comes with the scanner). When you are prompted to select your card, select Adaptec compliant card.

If you get a message that reads, "Device not found":
> This means that the SCSI card is installed right but there could be a problem wit the connection from there. Make sure that all of the cable connections are fully connected. If that does not work, try the scan without the terminator on. If problems still persist, call technical support with details of your problem. See Chapter 16, If all else fails.

16.   If all else fails…

Please go through the installation setup and make sure everything is setup correctly, but if the above solutions do not resolve the problem, contact your dealer or Technical Support. Be sure to have the following information ready:

1. The scanner model you are using.

2. The version number of the scanner driver. (Located on the front of the CD)

3. The computer model you are using.

4. All SCSI devices that you are using.

5. The application software packages that you are using.

6. Error codes or messages seen.

7. A description of what you were doing at the time of the malfunction so that the problem can be recreated.

8. Other observations that may aid the technician in identifying the problem and solution.

9. If at all possible, please be in front of your computer and scanner with both turned on. Try to have as much description about your problem as possible. Having this information will allow the tech to troubleshoot your problem more effectively.

17.   Glossary

Apple-Compatible Driver: A Macintosh system extension that addresses the scanner in Apple Scanner emulation mode. This is used for programs that do not support the PhotoShop Plug-in protocol or do not drive the scanner directly.

Application Software: Software that is used to perform a specific function, e.g., image processing, OCR (Optical Character Recognition), or DTP (Desktop Publishing).

ASPI: Advanced SCSI Programming Interface; SCSI communication standard developed by Adaptec.

Black and White: A 1-bit image file capable of only displaying black and white image data with no intermediate gray levels.

DIP Switches: Small switches mounted in or on computer equipment that set certain perimeters.

Document Cover: The plastic cover that is lowered over a document on the scanner's object glass.

Expansion Slot: A connector and bracket system in a computer into which an expansion or interface card can be inserted to add functions to a computer system.

Expansion Slot Cover: A metal or plastic dust cover that covers the exterior "hole" in an expansion slot.

Folder: An electronic storage area used to store and organize files and other folders and is often represented on a computer by a folder-like icon.

Grayscale: An 8-bit image file capable of representing all tones and colors in the image using 256 shades of gray.

I/O Base Address: An address that is used for communication between a host computer and an expansion or interface card.   All cards in a computer system must be set to different I/O addresses.

Icon: The graphical representation of a computer file or piece of computer software.

Indicator Panel: The area of the scanner that contains the LED indicators to show scanner status.

Interface Card: A card that is inserted into an expansion slot to allow the connection of a peripheral device to a PC.

Non-TWAIN Driver: An interfacing system that does not follow the TWAIN standard and is designed for a specific software package and a specific image input device.

Object Glass: The tempered glass of the scanner where documents or objects to be scanned are placed.

Optical Assembly: The component system of the scanner that contains all of the optical components. Sometimes referred to as a carriage or carriage assembly.

Peripheral Device: A device attached to a computer that adds functionality to a computer system.

Ready Indicator: The indicator that glows when the scanner's power cable is connected to the scanner and a "live" outlet and the power switch is turned on.

SCSI Chain: One or more SCSI devices connected to the same SCSI controller.

SCSI Device: A device which connects to a computer using the SCSI interface.

SCSI ID: A unique number between 0 and 7 that identifies each device on a SCSI chain. The SCSI ID is set using a SCSI ID switch (present on most external SCSI devices).

SCSI ID Switch: The switch on most external SCSI devices which is used to set the SCSI ID.

Terminator: An electronic component that absorbs stray signals in a SCSI chain or computer equipment to ensure reliable operation.

Transparency Adapter: A scanner option that consists of additional hardware allowing the scanning of transparent originals, such as slides or X rays.

TWAIN Compliant: Any software or image input device that conforms to the TWAIN standard.

TWAIN: A standardized interfacing system that allows many different software applications to access many different image input devices. TWAIN is currently more popular on the Windows platform than it is on the Macintosh.

The following adapters are approved to be used with TUV-GS:
ADP-12B Rev. B/Delta
ADP-12CB Rev. C
WP10XY/Dow Dec
HES10-311/Hitron
For UL CSA Listed products, the adapter shall be UL, CUL or
CSA Listed Class 2 Power Supply.