

Astra 600P Operation Manual

UMAX Astra 600P

Scanner Operation Manual

This operation manual contains all the information you need to install your scanner. For quick installation instructions, see the Quick Start Guide accompanying your scanner.

! Make Sure the power is OFF before installing.

- Read all of the instructions.
- Save these instructions for later use.
- Follow all warning and instructions marked on the product.
- When replacement parts are required, be sure that service technician has used replacement parts specified by the manufacturer that have the same result in fire, electric shock, or other hazards.
- Do not use this product near water or in rainy/moist situation.
- Do not place on an unstable table to avoid the series of damage to the product.
- The product should be operated only from the type of power source indicated on the marketing label.
- Do not attempt to service this yourself as opening or removing the enclosure may expose you to dangerous voltage or other hazards.
- This unit has an autoranging input circuitry suitable for 120Vac and 240Vac.
- The sound pressure level at the operators position according to IEC 7041:1982 is equal or less than 70dB(A)

Part No.: 830524-00

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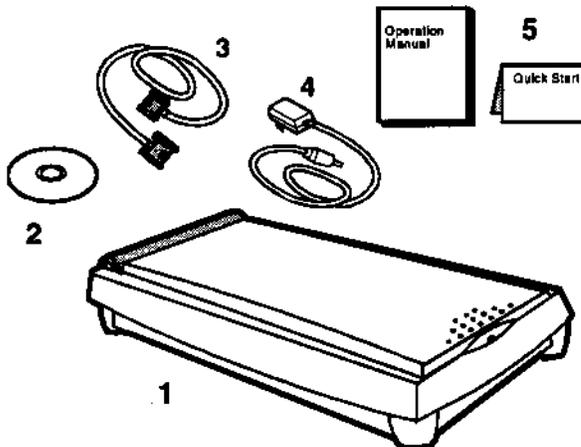
Preparation for Installation

Unpacking the scanner

Please remove all packing materials from the scanner. Check if any damage has occurred during shipment while you are unpacking the scanner. If you notice any damage, notify your dealer at once. Remember to save all shipping and packing materials if you want to transport the scanner in the future.

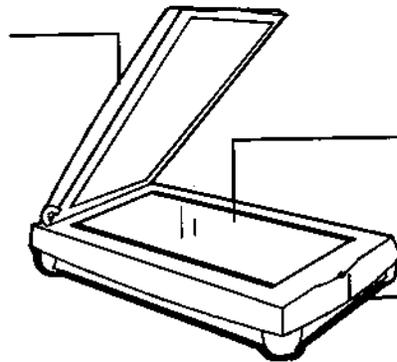
Please find the following items in your scanner box:

1. UMAX Color Scanner
2. UMAX Scanner CD
3. Parallel Interface Cable
4. Power Adapter
5. Manuals



The Front View

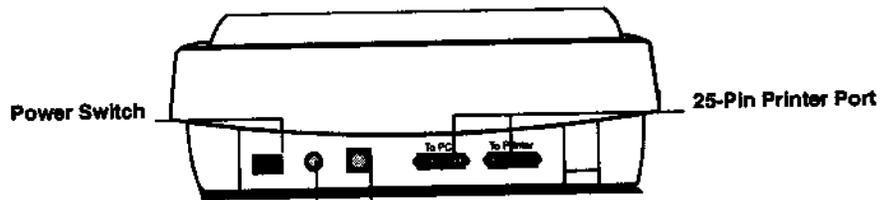
Document Cover
The plastic cover over the object glass which can be raised and lowered over a document



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

Ready Indicator

The Rear View



Power Switch

25-Pin Printer Port

Power Adapter Receptacle

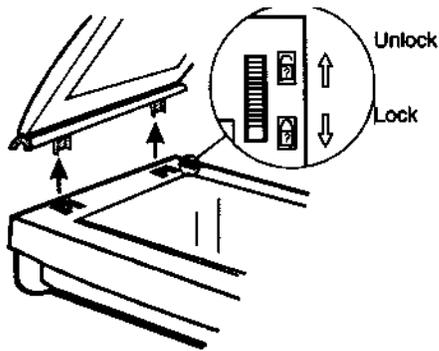
UTA Port
For use with an optional transparency adapter.

Unlocking your Scanner

Before using your scanner ensure that the carriage lock is in the unlocked position. Likewise, turn the restraint toward to the locked position, to avoid damaging the internal optics during transportation.

! Warning:

You must unlock your scanner before using it. Failure to do so can cause damage to your scanner. To unlock your scanner, remove the document cover and push the restraint toward to the unlocked position.



! Warning:

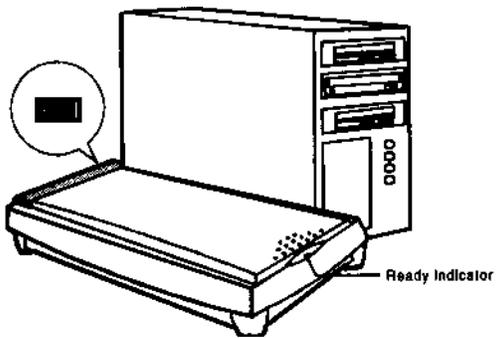
You must lock your scanner before transporting it, failure to do so can cause extensive damage to your scanner. Ensure that the scanner's optical assembly is secure and the lamp is in the home position before locking your scan.

Power on Your Scanner

Once the scanner has been unpacked and the optical assembly has been unlocked, the scanner is ready to perform this test.

To power on the scanner, do the following:

1. Connect the power adapter to the scanner
2. Connect the power adapter to a wall outlet.
3. Turn on the scanner's power switch.
Wait for the Ready indicator to glow. When the Ready indicator has stopped blinking, the scanner is ready for you to scan images.
4. Your hardware is installed. Once your software is installed, you can begin scanning.



Installation

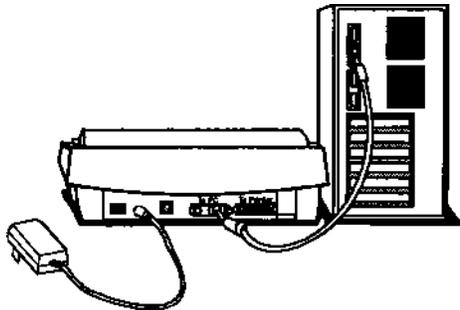
Connecting the Scanner and Your PC

To connect the scanner and computer, do the following:

1. Turn off your computer and unplug the power cord.
2. Locate the scanner cable. Connect the 25-pin parallel interface cable to your PC's printer port.
3. Attach the other end of the cable to the connector named "To PC" on your scanner.

Note: If you want to connect a printer, please connect it to the connector named "To Printer" on your scanner.

Note: Check if your computer supports EPP for Parallel Port Mode. If it does, we suggest that you reconfigure your PC BIOS by setting the EPP mode for Parallel Port Mode. This will make your Astra 600P run even more smoothly. Please refer to your computer's manual for further information about configuring the settings.



Installing the Scanner Drivers

Install the image editing software included with your scanner. (Refer to the instructions included with the software). To install the scanner drivers, do the following:

For Windows 3.1 and Windows NT 3.5x Users:

1. Insert the UMAX Scanner CD into your CD-ROM drive.
2. Run Windows.
3. Choose the File-Run command of the Windows Program Manager.
4. In the Command Line of the Run dialog box, type D:\SETUP (where D indicates the CD-ROM drive). If your CD-ROM is on another drive, please enter the appropriate drive preceding the [\SETUP] command. For example, type F:\SETUP if you are using CD-ROM drive F.
5. Click OK. The UMAX Scanner Setup dialog box appears.
6. Follow the on-screen instructions to complete the installation.

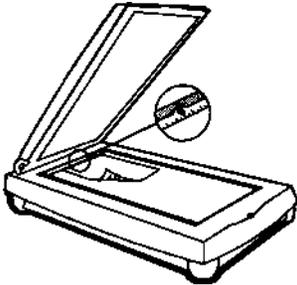
For Windows 95 and Windows NT 4.x Users

1. Insert the UMAX Scanner CD into your CD-ROM drive.
2. Click on the Start button on the taskbar and select the Run command.
3. In the Command Line of the Run dialog box, type D:\SETUP (where D indicates the CD-ROM drive). If your CD-ROM is on another drive, please enter the appropriate drive preceding the [:\SETUP] command. For example, type F:\SETUP if you are using CD-ROM drive F.
4. Click OK. The VistaScan Setup dialog box appears.
5. Follow the on-screen instructions to complete the installation.

Completing your First Scan

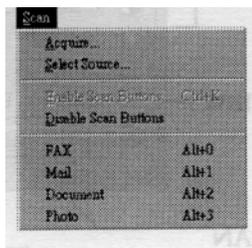
A. Original Image Placement

1. Raise the scanner's document cover.
2. Place the photograph or document face down on the scanner. Center the document along the **center** mark.
3. Lower the document cover

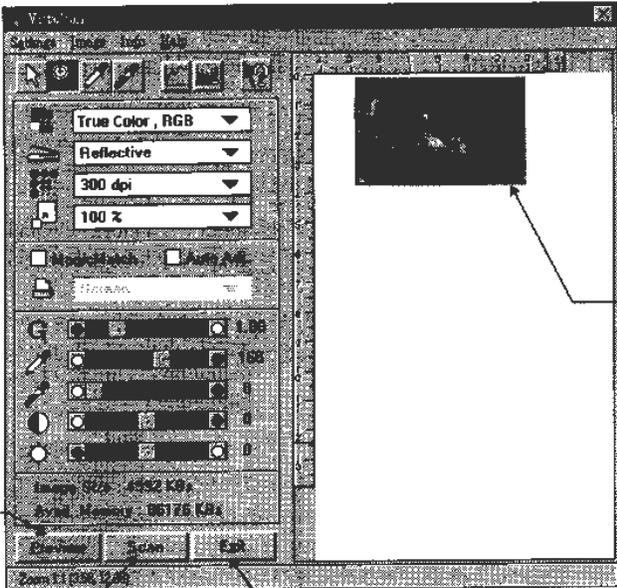


B. Start your First Scan

1. From Windows, launch the scanning software (e.g. Presto! PageManager).
2. Pull down the Scan menu.
3. Choose "Select Source".
4. Select "VistaScan" (VistaScan 32 for Win95) as the TWAIN source. (You only need to do this once).
5. Pull down the "Scan" menu again.
6. Select "Acquire" to activate the scanning dialog box. This will bring you to VistaScan (Shown in "C").



C. Scanning the Image (Follow the steps ❶ to ❷)



The screenshot shows a scanning software window with a toolbar at the top, a settings panel on the left, and a preview window on the right. The settings panel includes options for color (True Color, RGB), surface type (Reflective), resolution (300 dpi), and zoom (100%). There are also checkboxes for 'High-Speed' and 'Auto-Auto', and a 'Preview' button. The preview window shows a dark, low-resolution image of a scanned document. At the bottom of the window are buttons for 'Clear', 'Scan', and 'Exit'. The status bar at the bottom left shows 'Zoom 11 (0.06-17.00)'.

❸ Select your desired settings.

❶ Click the PREVIEW button.

❷ A quick, low-resolution image of the entire scannable area will appear in the preview window. Move cursor to the preview window, place the pointer on the upper corner of the image. Then click and drag the cursor to the lower corner which will crop off the area that you want to scan.

❹ Click on the SCAN button.

❺ Click on the EXIT button.

Troubleshooting

UMAX 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 UMAX Technical Support.

If the indicator comes on, but software returns “scanner link failed”, or similar message:

Make sure the cable is connected properly.

If All Else Fails

If the above solutions do not resolve the problem, contact your dealer or UMAX 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. The application software packages that you are using.
5. Error codes or messages seen.
6. A description of what you were doing at the time of the malfunction.
7. Other observations that may aid the technician in identifying the problem and solution.

Maintenance

With the exception of periodic cleaning or lamp replacement, the scanner is virtually maintenance free. The following sections give the procedures for basic maintenance of the scanner.

Static Electricity Precautions

Static electricity is a constant danger to computer systems. The charge that can build up in your body may be strong enough to damage electronic components on the scanner's printed circuit board or the computer's interface card. Therefore, it is important to observe basic precautions whenever handling electronic components for your computer. Although areas with high humidity are much less prone to static electricity, it is best to always take precautions against accidental damage that can result in expensive repairs.

The following measures should generally be enough to protect your equipment from static discharge.

- Discharge any static electricity that may have built-up in your body by touching a grounded or anti-static surface. For example, touch some large metal object or the silver-toned expansion slot covers at the rear of your computer's case. Be sure to do this immediately before removing any components from their anti-static bag.
- When handling any electronic components, be sure to carefully avoid touching any metal part of the component. Avoid touching any of the gold "fingers" that plug into the expansion slot. It is best to handle system components either by their edges or by the mounting bracket, which attaches to the slot opening in the rear of the case.

Follow the above to the best of your ability. Excessive caution is not necessary, simply take reasonable care.

Cleaning

Regularly cleaning the object glass will ensure that dirt or smudges will not reduce the quality of your scanned images. Before you clean the glass, make sure the scanner is turned off and the power cord is unplugged.

Clean the object glass and document cover with a soft damp cloth and a mild detergent or alcohol.

Warning: Do not spray the cleaning fluid directly on the object glass. Spraying the liquid directly on the glass may cause the liquid to penetrate the seams around the glass and contaminate the mirrors and lenses inside the scanner. Please be sure you spray the liquid on the cleaning cloth and then wipe the glass clean.

Specifications

Maximum Scannable Area	216 x 356 mm (8.5 x 14 inches)
Optical Resolution	300 x 600 dpi
Maximum Resolution	4800 x 4800 dpi
Scanning Density	1 dpi to 4800 dpi, Ultra View Technology
Color Scanning Method	Single pass with color CCD
Warm Up Time	30 Sec.
Sample Depth	
Color Mode	30 Bit/Pixel Internal
Grayscale Mode	10 Bit/Pixel Internal
Scanner Settings	
Scaling	1% to 200% in 1% Increments at 600 dpi Resolution
Highlight/Shadow	255 Steps
Contrast/Brightness	+100% ~ -100%
Gamma Curve	Downloadable Curves
Data Output	
Color Mode	24 Bit (Hardware) / 24 Bit (System)
Grayscale Mode	8 Bit (Hardware) / 8 Bit (System)
Interface	Two ends of Printer Port Connectors named "To PC" and "To Printer"
Power Requirements	
Voltage	DC12V (power adapter)
Power Consumption	Maximum 12 Watts
Environmental Ranges	
Operating Temperature	10° C - 35° C
Relative Humidity	10% ~ 85%
Dimensions	540mm x 336mm x 106mm
Net Weight	5.8 Kg
Systems Supported	PC
Options	Transparency Adapter (Model UTA-2A)

Glossary

Application Software:	Software that is used to perform a specific function, e.g., image processing, OCR (Optical Character Recognition), or DTP (Desktop Publishing).
Black and White:	A 1-bit image file capable of only displaying black and white image data with no intermediate gray levels.
Document Cover:	The plastic cover that is lowered over a document on the scanner's object glass.
Grayscale:	An 8-bit image file capable of representing all tones and colors in the image using 256 shades of gray.
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.
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 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.
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.
UTA:	UMAX Transparency Adapter; a scanner option that consists of additional hardware allowing the scanning of transparent originals, such as slides or X rays.

