



Easy Connect 9600 Plus

User Manual

Version 1.0



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1. Introduction

This manual is intended for users of the Easy Connect 9600 Plus scanner. No specific prior knowledge is needed to install and use this product.

This scanner will only work with Windows 95 / 98 and Windows NT 4.0.

Note: *This scanner will not work with MS-DOS, Windows 3.1x / NT3.x or an Apple Macintosh.*

1.1 Conventions

The following conventions have been used in this manual to indicate instructions:

<key> You should press a key at this point. An indication of which key is given between the brackets.

'System' This is a specific term from a program. These are the terms used by, for example, Windows.

[DIR] Text in this font should be typed in.

Extra information will be shown as follows:

Note: *Turn off the computer before connecting the scanner.*

1.2 Contents

When you have unpacked everything you should have the following:

- Scanner
- Power supply adapter
- Interface cable
- CD-ROM with drivers and applications
- This manual

Please contact your dealer if anything is missing or damaged.

1.3 Minimum system requirements

- Compatible PC with 80486 CPU and 8 MB RAM
- Microsoft Windows 95 / 98 or Windows NT 4.0
- Printer port (EPP)
- Hard disk with at least 60 MB free space (for installation)
- VGA card, 256 colours
- CD-ROM player

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2. Safety

Read the following instructions carefully before use:

1. Remove the power plugs from the power sockets before cleaning the equipment.
2. Do not use this equipment in damp environments such as bathrooms, damp basements, swimming pools, etc.
3. Make sure there is nothing placed on the power cord.
4. Never stick anything into the slots on the outside of the equipment.
5. Do not try to repair the equipment yourself.
6. You should disconnect the power supply and have the equipment repaired by qualified personnel if:
 - a) the cable or the plug is damaged or worn;
 - b) the equipment has come into contact with fluids;
 - c) the equipment has fallen and/or the casing has been damaged.
7. Do not place the product in direct sunlight. Direct exposure to the sun or to excessive heat can damage the product.

3. Connection

Note: Turn off the computer before connecting peripheral devices.

Follow these steps to connect the scanner to your computer:

1. Turn off the computer and all peripheral devices.
2. Remove the printer cable plug, if there is one, from the parallel port at the back of your computer.
3. Connect the printer cable, if there is one, to the 'Printer' connector at the back of the scanner (connector A, Figure 1).
4. Unpack the interface cable and connect it to the parallel port of your computer.
5. Connect the other end of the interface cable to the 'Computer' connector of the scanner (connector B, Figure 1).
6. Connect the power supply adapter cable to the scanner (connector C, Figure 1).
7. Plug the power supply adapter into the wall socket.

Your scanner (and printer) are now connected. You are ready to install the driver and the applications. You may have to re-install your printer.

Note: The scanner will be turned on and off automatically and therefore has no on/off switch.

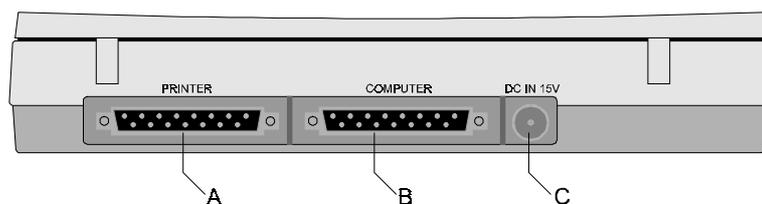


Figure 1: Back side of the scanner

4. Installation of the TWAIN driver and the software

All the files needed for the installation of the drivers and the application software are on the CD.

Note: *The following notation has been used in the examples: hard disk is drive 'C:', CD-ROM player is drive 'D:'. If your system uses different drive letters you should replace the drive letters in the examples with your own.*

In order to use your scanner in Windows you should first install the TWAIN driver and the applications.

Close all other programs before you install the software.

1. Start Windows.
2. Insert the CD-ROM with the application in the CD-ROM player.
3. Click with the mouse on the 'Start' button and select 'Run' (see Figure 2).



Figure 2: Windows 95, 98 and NT 4.0 installation

4. On the command line type [D:\SETUP.EXE] (see Figure 3). Click on 'OK'.

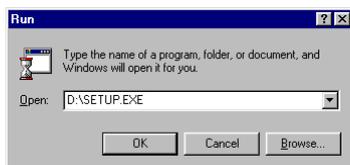


Figure 3: Windows 95, 98 and NT 4.0 installation

5. Use the mouse to select the language you wish to use during installation (English, French, German, Italian, Spanish or Dutch). Click on 'OK' to continue. The welcome screen will appear.
6. Follow the instructions on the screen.

7. Select 'Typical' to install all the components. Click on 'Next'.
8. To continue installation follow the instructions on the screen.

4.1 TextBridge Classic 1.1

The installation of the 'Textbridge Classic' OCR program is part of the total installation and will be done automatically.

1. Select 'Full Installation (software and scanner)' and click on 'Continue'. A screen with the license agreement appears.
2. Click on 'Yes' to accept the license and to continue installation.
3. Select all the languages for OCR recognition (Figure 4) and click on 'Continue'. You can only recognise text in the languages you have selected here.



Figure 4: Selecting languages

4. Click on 'Continue' to accept the installation directory for TextBridge Classic.
5. After installation you should select the type of scanner. Select 'TWAIN' and click on 'Continue' (see Figure 5). A window with the available TWAIN drivers appears.





Figure 5: Selecting the input device

6. Select the 'Trust Easy Connect 9600 Plus' from the list and click on 'Select'. A window such as Figure 6 will appear.

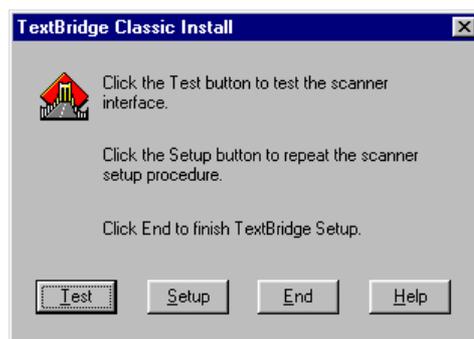


Figure 6: Finishing installation

7. Click on 'End' to complete the installation.

4.2 Ulead iPhoto Plus 4

The installation procedure will now continue with the installation of Ulead iPhoto Plus 4.

1. Select the language you want to use for the program and click on 'OK'.
2. Follow the instructions on the screen to continue installing.
3. Select 'Typical' to install all components. Click on 'Next' to continue.



4. Follow the instructions on the screen to continue installation.
5. Select 'Yes' when asked if you want to install the Acrobat Reader.
6. Click on 'Accept' to accept the license agreement.
7. Click on 'Install' to install the program in the directory indicated.
8. Enter your name and company name and click on 'OK' to continue.
9. Click on 'OK' to finish the installation of the Acrobat Reader.
10. The installation of iPhoto Plus 4 is almost complete. Select the items you want to implement and click on 'Next'.
11. You should restart your computer when installation is complete.



5. Scanning

You can scan in two ways with this scanner. The first method, via the scan dialog box is fast and easy (see chapter 5.1). The second method, via the TWAIN dialog box, offers you more facilities (see chapter 5.2).

5.1 Opening the scan dialog box.

You can open the scan dialog box by:

1. Double-clicking the icon on the task bar, or
2. Opening the cover.

After a moment a window will appear on the screen. See Figure 7.

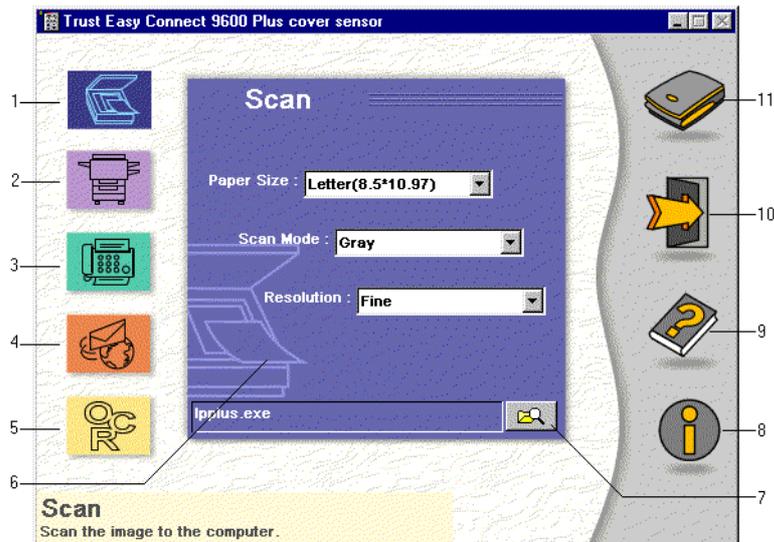


Figure 7: Scan dialog box

1	Scan window	Set up: the image or document to the selected application.
2	Copy window	Set up: print the image or document on the connected printer. (Printer required)
3	Fax window	Set up: send the image or document per fax. (fax modem required)
4	E-Mail window	Set up: send the image or document by E-mail. (modem and Internet account required)
5	OCR window	Set up: convert the document to a text file.
6	Menu window	Setting up paper size, scanning mode, etc.
7	Browse icon	This icon enables you to select the software application to which you want to transport the scanned document or image.
8	Info	Provides information about the program.
9	Help	Opens the on-line help function of the scanner and the software.
10	Exit	Exits the program (remains active on the task bar)
11	Scan	The image or document is scanned and transferred to the selected application (software, printer, fax, e-mail, OCR)

5.2 TWAIN dialog box

You can open the TWAIN dialog box by scanning in a TWAIN-compatible application.

You can read about how to select the scanner and how to start TWAIN in the manual belonging to the application you are using.

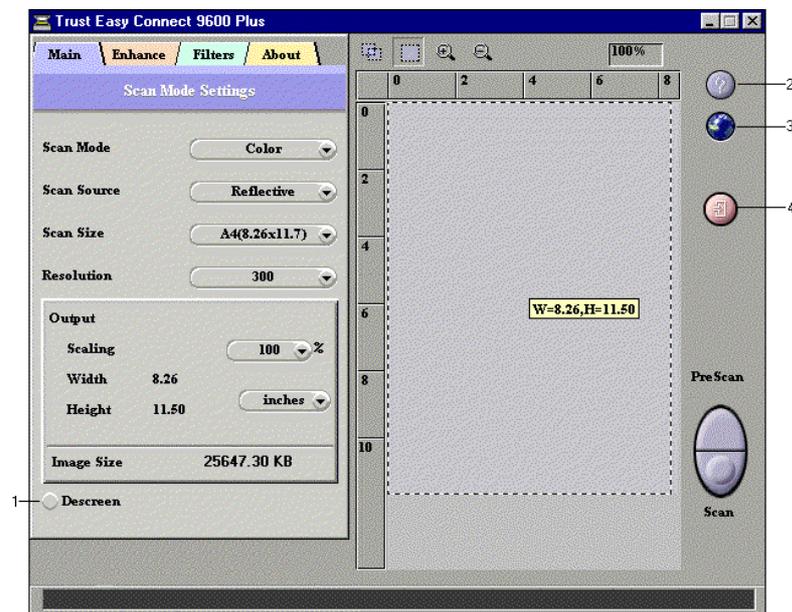


Figure 8: TWAIN dialog box

5.2.1 Explanation of the TWAIN dialog box

Scan mode: Selecting the desired scan setting (colour, grey, black and white)

Scan size: Adjusting the size of the scan area

Resolution: Setting the resolution (choice of fixed values)

In the 'Output' panel you can indicate the unit of measurement (inch, cm) and adjust the scale.

1	Descreen	Elimination of moiré patterns in print work.
2	Help	Shows a list of detailed subjects
3	Language	Select the language you want to see on the screen.
4	Exit	Close the program.

With the 'PreScan' button you can make a pre-scan of the image or document at a low resolution.

With the 'Scan' button you can scan the image or document using the settings you entered.

5.2.2 Enhance tab

You can set the following on this tab:

Clarity	Set the clarity
Contrast	Set the contrast
Gamma	Set the Gamma value

5.2.3 Filters tab

You can set a number of scan options on this tab:

None	No options used
Blur	The image will be more hazy
Sharpen	Make the image sharper
Invert	Set negative
Mirror	Mirror the image vertically
Emboss	Scan in embossed mode
Unsharp mask	Decrease sharpness (soft focus)

5.3 Making a scan

Carry out the following steps to make a scan.

1. Place the image or document on the glass plate facing downwards.
2. Click on the 'PreScan' button with the mouse.
3. Set the required scan mode (colour, grey, black and white).
4. Use the mouse to set your scan size in the PreScan window.
5. Set the resolution. 300 DPI is sufficient in most cases.
6. Click with the mouse on the 'Scan' button to make the scan. The result will be copied to the application with which you are working at that moment.

Note: *The scanning process cannot be interrupted.*

6. Ulead iPhoto Plus 4

Note: The manual is on the CD-ROM which was supplied.

6.1 Initial set-up

1. Start the Ulead iPhoto Plus program.
2. Select 'File'.
3. Select 'Acquire' and choose 'Select Source' (see Figure 9).
4. Now select 'Trust Easy Connect 9600 Plus' (see Figure 10) and click on 'OK'. Ulead iPhoto Plus 4.0 is now correctly set up for your scanner.

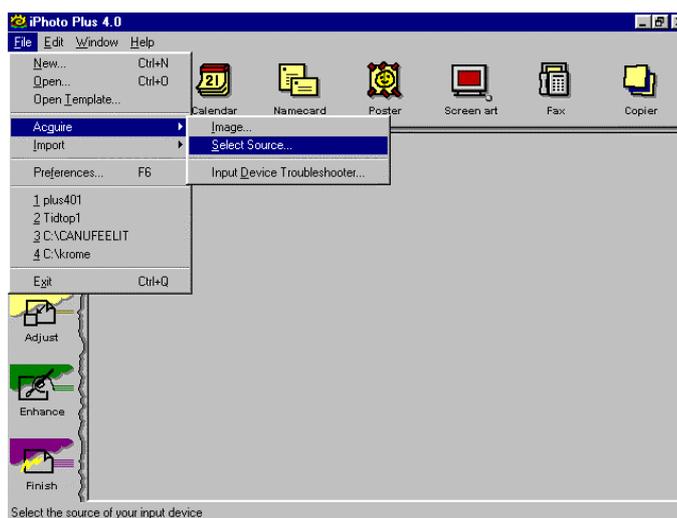


Figure 9: The Ulead iPhoto Plus 4.0 selection window

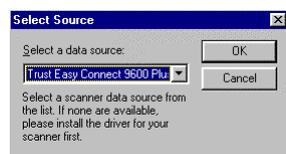


Figure 10: Selection of the Trust scanner in Ulead iPhoto Plus 4.0

6.2 Starting the TWAIN program

You need the TWAIN program in order to scan images.

1. Start the Ulead iPhoto Plus program.
2. Click on 'Start' (see Figure 11, option 1).
3. Click on 'Scan' (see Figure 11, option 2).
4. Figure 12 now appears.
5. Select 'new image' and click on 'Acquire'. The TWAIN window will appear.
6. See chapter 5.3 on how to scan.

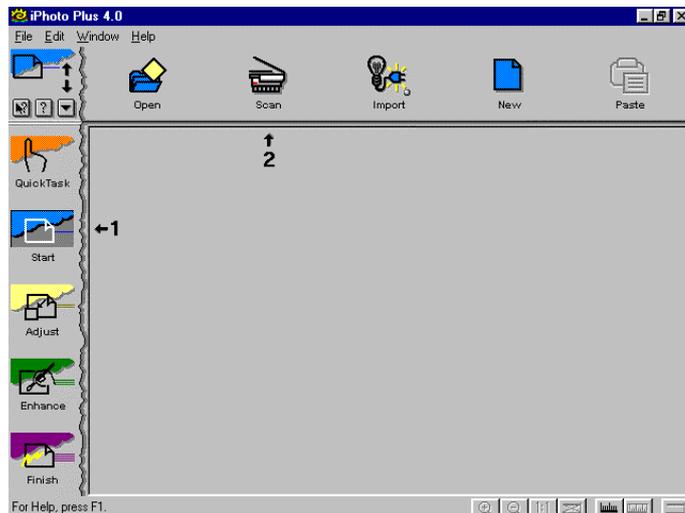


Figure 11: Scan selection window Ulead iPhoto Plus 4.0

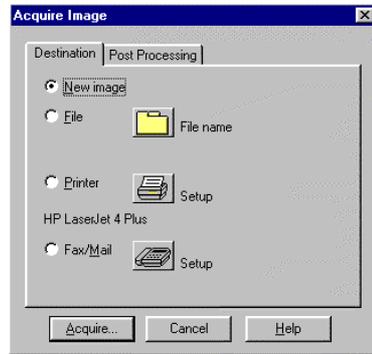


Figure 12: Dialog box Aquire Image in Ulead iPhoto Plus 4.0

7. Working with TextBridge

TextBridge is a program for scanning and converting text. The scan result can be processed in a word processor. You will find an extensive manual for the program on the CD-ROM.

7.1 Setting up the scanner

The scanner was configured for the use of the software during the installation of the application.

7.2 Scanning with TextBridge Classic

1. Start TextBridge Classic.
2. Place the document to be scanned on the scanner.
3. Press the 'GO' button in TextBridge. The TWAIN window will now appear on the screen.
4. Click on 'Preview' to make a trial scan.
5. Use the mouse to mark the desired area.
6. Set the scan mode to 'Line art mode'.
7. Set the resolution to 300dpi.
8. Click on 'Scan'. When the scan is finished TextBridge Classic will ask if there is more to be scanned. You can now scan more pages if you want.
9. Click on 'END' to finish the scan. Text recognition will start automatically. You are prompted to enter the location where the scanned text is to be stored.
10. Enter a name for your scanned text in the 'File Name' box.
11. At 'Save as Type' select the file format. Choose a file format which will be recognised by your word processor. If you are unsure select 'ASCII Std. (*.txt)'.
12. Click on 'Save' to store the file. You have finished scanning the text.
13. Close TextBridge Classic.



In order to process the scanned text which you have just saved, you need a word processor. Enter the name of the file as you saved it at step 12.

TextBridge also has more advanced options. Look in the on-line help and the documentation on the CD for more information.



8. Maintenance

Clean the glass plate regularly with a soft, clean cloth to remove dust and anything else which shouldn't be there.

A clean glass plate is important because specks will be visible on the scanned image.

When you clean the equipment you must pay attention to the following safety measures:

1. Remove the power cord from the power socket before you clean the equipment.
2. Do not use any aggressive liquids, liquid cleaning agents or sprays to clean the scanner or the glass plate.

9. Troubleshooting

9.1 Testing the scanner

A test program was also installed during the installation of the TWAIN driver and the applications. You can easily test the basic functions of the scanner using this test program.

Start the test program (Start | Programs | Trust Easy Connect 9600 Plus | Test Program). The test program appears on the screen (see Figure 13).

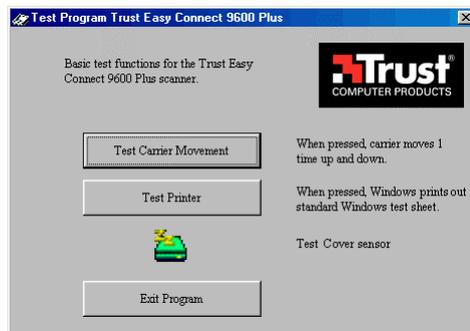


Figure 13: Test program

You cannot use the 'Test Carrier Movement' button if the interface cable is not connected or if the scanner is not connected to the power supply.

Use the 'Test Printer' button if you have a printer connected and installed on your computer.

Symptom	Possible cause	Solution
Scan too dark.	Monitor too dark.	Change the brightness of the monitor.
	Number of colours too low on VGA card.	Set your screen adapter to a minimum of 65,535 (16 bit) colours.
Scan poor.	Resolution too low.	Set the resolution for the TWAIN driver to at least 300 DPI.
	Number of colours on VGA card set too low.	Set your screen adapter to a minimum of 65,535 (16 bit) colours.
	Glass is dirty. Every speck will be visible on the image.	Clean the scanner glass thoroughly.
Scanner works very slowly.	Computer printer port is not set to EPP.	Set your computer's printer port using the BIOS set-up to EPP. Consult your computer manual.
	High resolution has been set.	In practice a resolution of a maximum of 300 DPI is sufficient. Only use higher resolutions for small originals.
	Insufficient memory.	You need at least 8 MB RAM memory. 32 MB is recommended for Windows 95, 98 and Windows NT 4.

Symptom	Possible cause	Solution
Error message during scanning.	Hard disk full.	You need three times the size of the image to be scanned as available hard disk space. The required space is shown in the TWAIN window. Free space or choose a lower resolution.
	Selected resolution is too high.	Choose a maximum of 300 DPI for scanning an A4 surface.
	Selected area is too large.	Choose 4800 or 9600 DPI only for small originals (5x5 mm).
Printer does not respond.	Printer incompatible.	The scanner's printer connection can have a problem with a number of printers. It is advisable to add a printer card.
	Scanner is not connected to the power supply.	Make sure the scanner is connected to the power supply.
	Printer works according to the GUI principle.	Use a separate printer card or connect your printer directly to the parallel port.
Error message 'Scanner not ready'.	Interface cable not connected.	Connect the interface cable (see chapter 3).
	Power supply adapter not connected.	Connect the power supply adapter (see chapter 3).
Error message 'Error loading'	Interface cable has come loose	Connect the interface cable (see chapter 3).

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Symptom	Possible cause	Solution
	Power supply adapter has come loose.	Connect the power supply adapter (see chapter 3).

Check the Internet (www.trust.com) for the FAQ's and for the latest version of the driver.

Please contact your dealer if you still have problems after you have tried these solutions.

Have these details available:

1. Operating system
2. Hardware configuration
 - CPU (MHz)
 - Memory (MB)
 - Free space on the hard disk (MB)
 - Screen adapter: resolution and number of colours
3. Scanner settings
 - Scan mode (colour, grey, black and white)
 - Resolution (DPI)
 - Transfer to (application, printer, etc.)
 - Size
4. TWAIN program version
5. Name and version of the application software

10. Specifications

Type	Flatbed, CIS scanner
Optical resolution (H x V)	300 x 600 DPI
Maximum resolution through interpolation	9600 x 9600 DPI
Scan mode	<ul style="list-style-type: none">• 1 bit black and white• 10 bit grey value• 30 bit colour
Document format	210 x 297 mm (A4) 8.5 x 11 inch (Letter)
Interface	Parallel port EPP / SPP
Power supply	<ul style="list-style-type: none">• 220 VAC - 240 VAC• 50 - 60 Hz• external
Consumption	15 Watt
Dimensions (W x H x D)	279 x 57 x 409mm
Weight (excl. packaging)	2.3 Kg