

ImageReader PowerScan

FB750



How can I get a new or replacement driver for my scanner?

Situation & Solution: There are three ways you can get the scanner driver.



If you have Internet access, you can download a new driver from our Web site: www.infoconnection.com, click on Tech Help, then on Download Area. All driver files are self-extracting archives (directions on the Web site) and all manuals are in pdf format (you can read them with an Adobe Acrobat Reader). Downloads from our Website are free of any charge from Info. The driver you will be looking for is labeled **ImageReader PowerScan**.



If you are familiar with logging on to BBSs, you can also download the drivers from our BBS 408-538-2580. Access on the BBS is also free from any charge from Info though it may be subject to long-distance charges from your phone company.



Or, you can purchase the drivers on floppy disk from Info. If you have a Visa or MasterCard, your order can be taken over the phone 800-777-3208. There is a nominal charge for the driver and a charge for shipping.

Note: With any scanning software you use, once you have installed the new driver, you will need to select the new source as your scanner. In some programs, you may also need to select a scanner type. If the type TWAIN is available, this is the one you should select.



Do I have to have a special kind of port (or plug) to connect my scanner to my computer?

Situation & Solution: The ImageReader PowerScan uses a parallel port connection. On most computers, there is at least one parallel port (if you have a printer, this is the port that it also uses). The ImageReader Ultra works with most port modes (the way a port passes a signal or communication from the computer to any device attached to it): Standard (SPP), Bi-directional (BPP), Enhanced (EPP), and Enhanced Centronics (ECP). EPP is recommended as the port mode you that use with the ImageReader PowerScan since it is the fastest.



My scanner cable is too short; can I attach a different or longer cable to my scanner than the one that came with it?

Situation & Solution: You should use the cable that came with the scanner. Use of any other cable is not supported by Info. If any damage occurs with the use of a different cable or if the scanner will not operate with a different cable, it is not covered under warranty.

The ImageReader Ultra uses a specific type of cable characterized by a “choke” around the cable close to the point where it plugs into the scanner. The cable filters the signal going to the scanner in a way that is not supported by a normal cable.

In addition, parallel port signal is generally relatively weak and degenerates the further it travels. With a longer cable, there may not be enough signal getting to the scanner to enable it to scan successfully. Also, if you have a printer

connected to the pass-through port on the scanner, a longer cable for the scanner could decrease the operating ability of your printer.



Why does my scanner have two plugs (or ports) on the back?

Situation & Solution: Since the ImageReader PowerScan is a parallel port device, a pass-through port was included as part of its design that will allow you to connect your printer to the scanner so they can share the same parallel port on your computer. In most cases, you will not need to install a second parallel port to have both the scanner and printer work on the same computer. See the last section of Scanner Setup for instructions on how to connect both your scanner and printer to the same port on your computer.



I have a Zip drive (or parallel port device other than a printer); can I connect the ImageReader PowerScan to it or it to the ImageReader PowerScan?

Situation & Solution: There are two problems here. The parallel port is not designed to operate multiple devices. And, each parallel port device other than a printer (and some printers) wants to be connected directly to the computer without any other device in-between, including the scanner. If you want to operate several parallel port devices, you might want to consider installing an additional parallel port into your computer.



Can I use the ImageReader PowerScan with an A/B switch (a switch that connects to the parallel port and redirects the signal to one of two devices)?

Situation & Solution: Info does not recommend or support the use of an A/B switch with any of its parallel port scanners, the ImageReader PowerScan included.

Many A/B switches are not capable of the advanced communication the scanner requires. In addition, if the scanner is not connected to the computer when Windows starts, such as when another device is in possession of the port through the turn of the switch, Windows may not ever recognize the scanner in relation to that port.



Windows 95 did not find my scanner as a new device. Or My scanner is not listed in the Windows 95 Device Manager.

Situation & Solution: Windows 95 does not have built in support for scanning devices. Thus, no scanner will be plug and play in Windows 95. You should follow the Quick Start Guide or the Scanner Driver and Application Software Installation in this manual to install your scanner onto your computer system.



I get a scanner test fail error when I attempt to scan.

Situation & Solution: There could be four reasons why this has occurred.

1. Verify that you have selected the correct source in your scanning program. If your program is 16-bit (originally written for Windows 3.x) you must select the /16 source. If your program is 32-bit (written only for Windows 95), then you should choose /32. InfoCenter Lite is a 16-bit program.
2. Check that the scanner's cable is connected and tightly screwed into the computer's parallel port. It is not recommended to run the scanner connected to any non-computer port, including A/B switches and other pass-through ports on parallel port devices. If you have another parallel port device, such as a Zip drive, you may need to get a second parallel port. It is also necessary to use the cable that came with your scanner. A standard parallel port cable will not work with the scanner.
3. Check that the AC power cord is connected to the scanner and is plugged into a power outlet. It is recommended to use a surge-protector.
4. Check to be sure that your parallel port is set to EPP, ECP or SPP. Changing the parallel port mode is usually done in the CMOS/BIOS setup (usually accessed while your computer is booting up). Consult the documentation that came with your computer for specific information on how to access your CMOS/BIOS and how to change the parallel

port mode. The following directions may not apply directly to your CMOS/BIOS setup. Change **ONLY** the parallel port mode. Making other changes in your CMOS/BIOS could render your computer inoperable.

- a) Shut Down your computer and restart it. While it is beginning to start-up, press the Delete key (may also be F1, F2, or some other key sequence depending on your computer, consult your computer manual) to go to the Setup Menu. There may be a message on your screen while your computer is starting that will tell you which key to press to go into the CMOS/BIOS.
- b) Locate the Parallel Port option. This may be in a section titled Peripherals or Advanced or just on a second page. The parallel port option might also include things such as LPT1 or LPT2 and the address and IRQ.
- c) Consult the on screen directions and change the MODE to EPP or ECP (preferred) or SPP. If there is a Standard or LPT mode, this is likely to equate to SPP. If you have no other modes, set it to this.
- d) Change **ONLY** the parallel port mode. Making other changes in your CMOS/BIOS could render your computer inoperable.
- e) Save changes and exit.



There is nothing in the selection box when I go to select source. Or I got an error message when installing the scanner driver (or application software).

Situation & Solution: If there are other programs running while you are installing the driver, it may not completely install, even though you got the message the installation was successful. You need to ensure there are no programs running in the background when you install the CD.

Windows 95:

1. With your desktop clear, press the **Ctrl**, the **Alt** and the **Delete** keys at the same time (Ctl+Alt+Del). This will bring up a **Close Programs** window. Everything listed in this window is a running program. **Explorer** is the Windows 95 desktop, you cannot close this program. **Systray** is the taskbar and time listing in generally in the lower right hand corner of your screen, you also cannot close this program (some systems do not list this program in the Close Program window). All other programs can be closed one at a time.
2. Highlight a program then click on **End Task**. The Close Program window will disappear, but pressing Ctl+Alt+Del will bring it back up. This will only close these programs until the next time you boot your computer. All of these programs are generally set up to run as soon as you start your computer or boot up Windows.
3. When only Explorer and Systray are listed in the Close Programs window, click on **Cancel**.
4. Try to install the driver once more following the instructions found in the Quick Start Guide or in this manual (*Scanner Driver and Application Software Installation*).

Note: In Windows 95, you can also install the driver in **Safe Mode**. Copy the installation files into a temporary directory before shutdown and reboot into Safe Mode, then install from the temporary directory.

Windows 3.1 or Windows 3.11:

1. With your desktop clear, press the **Ctrl** and **Esc** keys at the same time. This will bring up a **Task List** window. **Program Manager** is the Windows 3.1 and Windows 3.11 desktop and cannot be closed. All other programs listed are running applications that can be closed one at a time.
2. Highlight a program then click on **End Task** to close it. This will only close these programs until the next time you boot your computer. All of these programs are generally set up to run as soon as you start your computer or boot up Windows.
3. When Program Manager is the only program listed, click on **Cancel**.
4. Try to install the driver once more following the instructions found in the Quick Start Guide or in this manual (*Scanner Driver and Application Software Installation*).



When I go to scan, I get a “cannot access TWAIN driver” error.

Situation & Solution: You have most likely selected the wrong source for your scanner application. Which version of your scanner source you select depends on what application you are using to scan. If you have Windows 95, you can only use 32-bit applications with the ImageReader PowerScan.



When I try to scan at less than 300 dpi in InfoCenter 32, I don't get any image.

Situation & Solution: The image size needs to match the scanning field. You will need to increase the default size.

1. Open the TWAIN interface (click the New Scan button in InfoCenter 32).
2. Click on **Settings**.
3. Click on **Scan Size**.
4. Change the Scan Size to **Inch** (instead of Pixel).
5. Click on **Maximum**.
6. Click on **Ok**.



How can I change the scanning area? Or How can I crop my image before I scan?

Situation & Solution: To reduce the size of an image or to have less blank area in your scanned image, you can crop the size of the scanning area so it will match your original. There are two ways to change the scanning area: use a predefined scanning area setting or create a custom scanning area. There are 6 predefined scanning areas.

In the TWAIN user interface window, click **Preview**. This will scan an image at 72 dpi and display it in the preview window. The preview is not your final scanned image. You cannot save or edit or OCR a preview image.

After the previewed image is displayed in the preview window, you can change the scanning area by moving the dashed lines to encompass just the area you want to scan.

To move a line: Move your mouse pointer over the line until it changes shape (generally to a double arrow pointing in opposite directions). Click & hold your mouse button. Drag the line to where you want it, and then release the mouse button. *Tip:* You can drag the corners diagonally.

To move the entire area: Move your mouse pointer to the inside the area defined by the red line or until it changes into four arrows (pointing in four directions). Click & hold your mouse button. Drag the box to the position you want, and then release the mouse button.



Why do my scanning results seem dark?

Situation & solution: Every computer deals with images and graphics differently. You may need to make adjustments to better suit your computer.

1. Try using the Color Matching setting in the TWAIN user interface window. *Note:* The scan could take a bit longer than without the Color Matching setting.
2. Modify the Gamma setting to 1.8 for your monitor and, when printing, set the Gamma to 2.2 for your printer (consult your printer and/or monitor documentation for instructions on performing gamma adjustments).
3. Prior to scanning, increase the Brightness setting of the TWAIN interface.



Is there anyway to speed up the scanning speed?

Situation & solution: Set your parallel port mode to EPP (see above). EPP is the fastest mode usable with the scanner. If you do not have an EPP mode for your parallel port, you may need to purchase an EPP interface card. Most computer stores sell parallel port interface cards capable of EPP mode, or contact Info Peripherals at 800-777-3208, ext. 2534.

If you are using extra settings while scanning (Descreen, Color Matching, Quality), the scan may also take longer because the scanner is doing more work.



When I attempt to scan, I get an Image Transfer Failed, Out of Memory, or Cannot Write File message.

Situation & Solution: Error messages while scanning, such as these, usually only occur if there is not enough free disk space or enough free resources for the scanning software to process the image. Even if you seem to have enough free disk space for the image, the virtual memory usage during the image transfer will take up some of the free disk space making it not free for the image transfer.

There are three things that influence the size of the file created when scanning an image: Resolution, Mode, and Scanning area. A higher resolution (dpi) will yield a clearer picture, but it will also create a larger file. A color mode (millions of billions of shades) will create a larger file than a grayscale (256 shades) or black and white (LineArt, Half-tone, Bi-tone, only two shades) mode. A larger scanning area will also create a larger file than a small scanning area. The following example is a letter-sized image scanned with a 30-bit scanner (billions of shades in the color mode). All sizes are approximate and may differ from your own results.

	color	grayscale	black and white
100dpi:	2 ½ Mb	1 Mb	120 Kb
300dpi:	25 Mb	8 Mb	1 Mb
4800dpi:	6 Gb	2 Gb	260 Mb

Try reducing the resolution of your image, reduce the scanning area, change the mode, or free up hard drive space. Information on how to change the resolution, mode and scanning area is in the scanner User's Guide. Freeing up hard drive space is a matter of deleting or otherwise removing unneeded files or programs. Information on how to do delete files is in Windows documentation. Which files you delete or remove is your decision (only you know what is important to you). Some software has special uninstall programs to remove them from your computer. The alternative to freeing up hard drive space is getting a larger hard drive.



How do I use the application software?

Situation & Solution: The manuals for the software are on the CD-ROM disc that came with your scanner. They are in pdf format that can only be read with the **Adobe Acrobat Reader**. The Reader installation is also on the CD (see *Included Software Applications* in this manual). If you want printed manuals, you can print from the Adobe Acrobat Reader (for pdf files). Info does not offer any pre-printed or bound manuals.



What is the function of the pass-through port?

Situation & solution: The pass-through port will allow you to connect your printer to the scanner so they can share the same parallel port on your computer. In most cases, you will not need to install a second parallel port to have both the scanner and printer work on the same computer.

Connect the scanner cable directly to the parallel port on the computer (the port where your printer has been connected). Connect the scanner cable to the port on the scanner labeled **To PC Parallel Port**. Connect the printer cable to the port on the scanner labeled **To Printer**. Make sure all connections are tightly connected and screwed into place.



Sometimes, while my printer is connected to the scanner, my printer does not work.

Situation & solution: There are several things to check:

1. Your scanner may be off. Make sure the scanner is turned on when you want to print (indicated by the power light on the front of the scanner).
2. Check the scanner cable connection. Be sure the printer cable is plugged into the port marked **To Printer** on the back of the scanner.
3. Occasionally there may be a conflict between the ImageReader Ultra and specific printers. If you get an error

message "Printer not found" or "Printer not recognized", you may need to adjust your printer spooler to print direct to printer rather than print to spooler.

Windows 95:

- a) Click **Start**
- b) Click **Settings**
- c) Click **Printers**
- d) Right-click with your mouse on your **printer icon**.
- e) Click **Properties**
- f) Click the **Details** tab
- g) Click **Spooler Settings**
- h) Select **Print Directly to the Printer**
- i) Click **OK** and **OK** again
- j) If prompted to reboot, do so.

k) If the problem persists, you will need to disable the bi-directional properties of your printer (refer to your printer documentation or consult your printer manufacturer).



If your question is not covered here, check the InfoCenter 32/ ImageDock/ InfoCenter Lite or the PictureFun/ColorDesk Utilities FAQ. If it is not covered either place, please contact Info Technical Support for more assistance.

Please include the following information if you contact Info Technical Support. If you do not include the following information (especially if you are faxing or emailing), your support could be delayed as this information is gathered. The following information is generally important to solving the problem with your scanner or software.

NAME:

PHONE NUMBER:

FAX NUMBER:

ADDRESS:

E-MAIL ADDRESS:

COMPUTER MANUFACTURER: (what company built your computer or if it is custom built)

COMPUTER TYPE: (486 or Pentium and what speed)

VERSION OF WINDOWS: (Windows 95 or Windows 3.1 or 3.11)

SCANNER MODEL NUMBER: (Commonly found on the front of the Quick Start Guide)

SERIAL NUMBER: (Usually on the back or bottom of the scanner or on the box)

WHEN YOU PURCHASED THE SCANNER:

WHERE YOU PURCHASED YOUR SCANNER:

PRINTER TYPE: (if your problem is related to your printer)

MODEM TYPE and FAX PROGRAM: (if your problem is related to faxing)

DESCRIPTION OF YOUR PROBLEM: (Please be as specific as possible, including which program you were using to scan, what dpi & mode, etc.)

Info Technical Support will generally reply in the same media. Support personnel are available Monday through Friday 8am to 4:30 pm, Pacific Time, excluding Holidays. Replies are handled in the order we receive them.

➤ **Email:** tech@infoconnection.com

➤ **FAX:** 408-538-2577

➤ **BBS:** 408-538-2580

➤ **Phone:** 800-777-3280 (if you get voicemail, be sure to leave a phone number and a brief description of your problem)