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FCC ID.: HWFA4CIS-USB

EXHIBIT 4

User Manual

File ID: NWF A4 015-498

INSTRUCTION MANUAL CLASS B COMPUTING DEVICES

Use the provided shielded power supply cable so as not to interfere with radio and television reception. Also a shielded interface data cable must be used for video output port, parallel output port and serial output port to avoid causing Radio-TV interference Problems.
If you use other cables, it may cause interference with radio and television reception.

This equipment 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 instruction, 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.

CAUTION: Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

600/1200 CU Scanner Installation Guide

1 Unpacking the Scanner

Unpack the package and inspect the items closely to make sure no item is damaged.

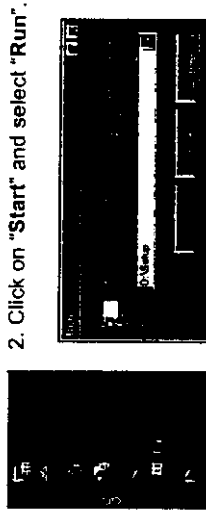
The package should include:

The Scanner
Power Adapter
600/1200 CU Scanner Installation Guide
Installation CD
Scanning Utilities Manual (either included in the Installation CD or printed separately)

2 Driver Installation

NOTE: Please complete the driver installation before installing the Scanner. Do not connect the power adapter to the scanner at this stage.

1. Insert the Driver Installation CD into your disk drive.



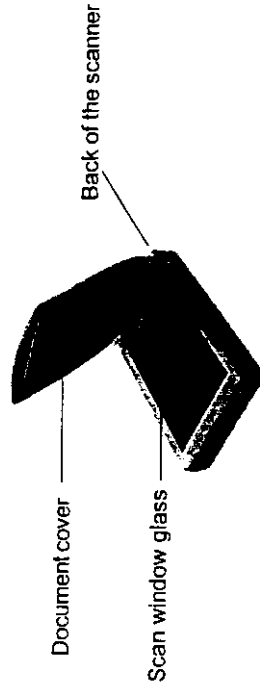
2. Click on "Start" and select "Run".

3. In the "Run" dialog box, type "drive:\setup" where drive is your CD-ROM drive and click "OK."

4. Follow all on-screen instructions.

NOTE: When you are presented with the option of whether to restart Windows after completing the driver installation please choose "Yes".

3 The Scanner Parts



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Connecting the Scanner to the PC

Refer to the following illustration and steps to connect your scanner.

1. With the power to your PC on, connect the scanner's USB cable to the USB port of your PC.
2. Connect the power adapter to the Scanner and plug it into an appropriate power outlet.

Upon connecting the power adapter, the Windows operating system would automatically detect your scanner and update your system configuration.

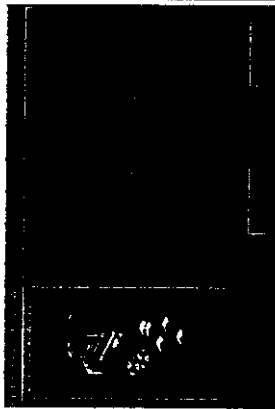


Power Adapter ——— Scanner USB cable

4A For Windows 95 OSR2 Users:

Upon installing the software driver and connecting the power adapter if the **Update Device Driver Wizard** dialog box appears, perform the following steps:

1. Click on the "Next" button.
2. On the next screen click on the "Other Locations" button and go into the "Win95" directory of your installation CD.
3. Click on the "OK" button and on the next screen Windows will confirm that it has found the driver for your scanner.
4. Follow all on-screen instructions to complete driver installation.



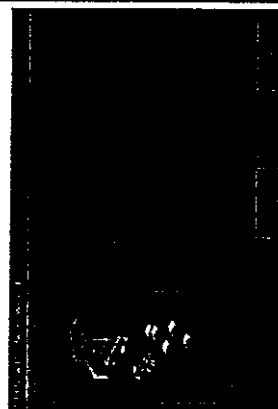
4B For Windows 98 Users:

Upon installing the software driver and connecting the power adapter if the **Add New Hardware Wizard** dialog box appears, perform the following steps:

1. Click on the "Next" button.
2. On the next screen select the following option and go into the



Win98 directory of your installation CD.



3. Click on the "OK" button and on the next screen Windows will confirm that it has found the driver for your scanner.
4. Click the "Finish" button to exit.

NOTE: Since your scanner model is equipped with a Cover Sensor, upon raising the cover of your scanner you will be given a choice on whether to use the Scan Dialog box (refer to the Scanning Utilities Manual) that came with your scanner or use the Imaging program (refer to your Windows 98 reference guide) that is built in to your Windows 98 operating system.

5 Using the Scanner

There are two separate methods to scan an image, the Scan Dialog box and the TWAIN Dialog box. Refer to the Scanning Utilities Manual for a description of these to facilitate your use of the scanner; or refer to the on-line manual and help system any time when using the scanner software. This easy-to-use system contains detailed information about the scanner topics and its functions.

5A

To access the Scan Dialog box, you can do any of the following:

1. **The Cover Sensor:** Simply lift the cover and begin scanning. This scanner is equipped with a Cover Sensor feature that automatically opens the Scan Dialog box; or
2. **The Direct Scan Icon:** Double-click the Direct Scan icon, located in your Windows taskbar; or
3. **The Scan Dialog Box Item:** Click on "Start" on your Windows desktop and locate the name of your scanner model under "Programs". Then double-click the item "Scan Dialog Box".



5B

To access the TWAIN Dialog box, you can do the following:

1. Launch the TWAIN-compliant program (e.g. Photo Express).
2. Under the File menu open the **Acquire** command and choose **Scanner** OR Click the Scanner icon.



The Select Data Source dialog box appears.

3. Choose your scanner model from the list.

4. Click on the "Acquire" button.

The Select Data Source dialog box closes.

The TWAIN Dialog box appears.



5C

To access the on-line manual and help system:

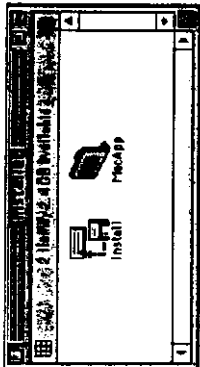
1. Click on "Start" and select "Programs".
2. Click on your scanner model and select "Scanner's User's Guide".



6 Driver Installation (iMac)

NOTE: Please complete the driver installation before installing the Scanner. Do not connect the power adapter to the scanner at this stage.

1. Insert the Driver Installation CD into your disk drive.
2. Wait for the **Installer** icon to appear on your desktop.
3. Double-click on the **Installer** icon to open the **Installer** dialog box.



4. Double-click on the **Install** icon.
5. Continue to follow all on-screen instructions to complete the driver installation.

6A Connecting the Scanner to the iMac

Refer to the following steps to connect your scanner.

1. With the power to your iMac on, connect the scanner's USB cable to the USB port of your iMac.
2. Connect the power adapter to the Scanner and plug it into an appropriate power outlet.

7 Specifications

Scanner Type	Color Flatbed
Scan Area	21.6 cm x 29.7 cm (8.5" x 11.7")
Scan Modes:	
True Color (600 CU)	30-bit (Internal), 1.074 billion colors
(1200 CU)	24-bit (External), 16.7 million colors
Gray Mode (600 CU)	36-bit, 68.7 billion colors
(1200 CU)	48-bit (software enhanced)
Text/Line Art	10-bit (Internal), 1024 shades of gray
(1200 CU)	8-bit (External), 256 shades of gray
Scan Method	12-bit, 4096 shades of gray
Resolution Control:	1 bit/pixel (2 levels)
Optical (600 CU)	Single Pass Scanning
(1200 CU)	
Enhanced (600 CU)	300dpi (H) x 600dpi (V)
(1200 CU)	600dpi (H) x 1200dpi (V)
Scanning Data Buffer	9600dpi x 9600dpi (software controlled)
Power Consumption	19200dpi x 19200dpi (software controlled)
Operating Temperature	32KB(maximum)
Operating Humidity	9.6 Watt (12V DC)
Storage Temperature	10°C ~ 40°C (50°F ~ 104°F)
Storage Humidity	35% ~ 80% RH, Non-Condensing
Dimensions:	-10°C ~ 60°C (14°F ~ 140°F)
(600 CU)	20% ~ 80% RH, Non-Condensing
(1200 CU)	404 x 257 x 54 mm
Weight:	15.9 x 10.1 x 2.1 inches (L x W x H)
(600 CU)	410 x 268 x 36 mm
(1200 CU)	16.1 x 10.6 x 1.4 inches (L x W x H)
	2.3 Kg (5.06 Lbs.)
	1.9 Kg (4.20 Lbs.)

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ScanMagic 600/1200 CU

快速安裝指南

1 打開包裝盒

請小心拆開本掃描器的包裝盒，仔細檢查盒內的裝備是否有任何損壞或遺失。如有以上情形發生，請立即與您的經銷商連絡，並保留包裝袋及包裝盒以備報運時使用。掃描器包裝盒內包含以下物件：

1. 掃描器
2. 安裝光碟及附屬軟體
3. 電源線
4. 快速安裝指南及
5. 掃描器使用手冊

在初次安裝掃描器時，請務必依照以下所示之步驟進行：先進行軟體安裝，待軟體安裝程序結束，再關閉電腦電源，進行掃描器和電腦的接續程序。

2 軟體安裝

僅需將安裝光碟放入光碟機中，安裝光碟將自動執行，再依螢幕顯示之選項進行安裝即可。

若安裝光碟並未自動執行，則依下列步驟進行安裝：

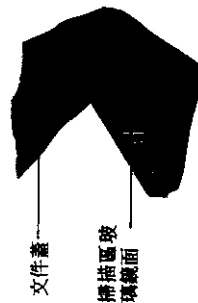
1. 點選「開始」，再選取程式集中的「執行」。
2. 在執行對話框中鍵入 "drive:\Run"，此 drive 為您個人光碟機之代號。範例如下 E:\Run。

4. 接著請依螢幕指示繼續進行安裝。

請注意：當您結束所有安裝程序後，請重新啟動電腦，以完成整個安裝步驟，同時以便進行電腦與掃描器的接續工作。

3 掃描器的外觀

掃描器前視圖



2 • 安裝指南

4

硬體安裝

請依照以下步驟進行安裝：

1. 打開電腦電源。
2. 將掃描器連接線的一端插入電腦背面的USB埠。
3. 連接線的另一端插入掃描器背面的USB埠。
4. 插上電源線插頭，並插上插電源插座。
5. 將電源線連接到掃描器並將另一端插入電源插座。



掃描器電源線

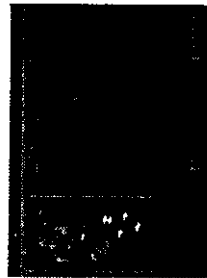
USB 萬用序列連接線

一旦將掃描器的電源線後，電腦會自動偵測新增的掃描器裝置，同時自動完成驅動程式之設定。

Windows 95 OSR2/98 作業環境

如果螢幕上出現「新增硬體精靈」或「硬體更新」的畫面時

1. 按「下一步」鍵。
2. 依螢幕指示選擇新增的硬體設備，然後按「確定」鍵。
3. 最後按「完成」鍵，完成安裝程式。



安裝指南 • 3

4A

使用掃描器

使用本掃描器進行掃描時，您有兩種掃描方式的選擇：

1. 使用掃描對話框：此對話框提供一種簡易又快速的方式方便您進行掃描。
2. 使用TWAIN對話框：在掃描前，您可透過此對話框進行更多的掃描控制設定。

您可以在附隨的使用手冊中閱讀到詳細的使用說明以便學習如何使用掃描器；或者您也可以在使用掃描器軟體時運用線上使用手冊與輔助說明系統，兩者均提供您使用方便而且詳細的資訊。本安裝指南僅簡易地向您說明啟動以及使用掃描器之基本方式。

您可以以下列方式開啟掃描對話框：

1. 使用上蓋偵測 (The Cover Sensor)：當您開啟掃描器之文件蓋時，上蓋偵測功能將自動執行，呼叫出掃描對話框。



請注意：若您的作業系統為 Windows 98，當您開啟掃描器文件蓋時，將出現掃描應用程式選單，選單中除了掃描對話框外，系統附屬之應用程式 "Imaging"，以及其他支援上蓋偵測之應用程式亦將於選單中同時呈現，您可視您的需求在 "掃描對話框" 與 "Imaging" 及其他應用程式中選擇您所要用來掃描之應用程式。

◆ 若您想取消或變更 Windows 98 系統對於上蓋偵測 (The Cover Sensor) 功能之預設值，請依下列步驟操作：



- A. 點選「開始」，再選取「設定」中的「控制台」。
- B. 在「控制台」中雙擊「掃描器與數位相機」圖示。
- C. 在「掃描器與數位相機內容」對話框的「裝置」中，選擇您所使用之掃描器機型，並點選「內容」。



中文繁體



D. 在事件頁中，將掃描器事件選定為「Cover Sensor」，而在「傳送到這個應用程式」中，勾選您想要出現在掃描程式選單的應用程式，或者取消您不欲使用的程式，然後按「確定」離開。

E. 當您備勾選單一選項時，上蓋偵測功能將直接傳呼您所選擇之應用程式，掃描程式選單將不再出現，如果您欲改變上蓋偵測功能之掃描應用程式時，請執行以上步驟。

2. 執行直接掃描圖示 (The Direct Scan Icon)：當您完成安裝程序後，直接掃描圖示將會進駐在視窗工作列的右下角，雙擊該圖示即可。或者
3. 執行掃描對話框之項目 (The Scan Dialog Box Item)：點選工作列的「開始」，選擇「程式集」，再選擇您掃描器所在之資料夾，雙擊掃描對話框之項目。

您可以以下列方式開啟 TWAIN 對話框：

1. 開啟任何支援 TWAIN 驅動程式之影像軟體 (例如：Photo Express SE)。
2. 在程式主選單中執行「取得」指令，然後選擇「掃描器」；或是直接點選掃描器圖示，其後選取影像來源對話框將出現。
3. 在選取影像來源對話框的列表選取您的掃描器類型。
4. 執行下方的「擷取」指令，則選取影像來源對話框將結束，TWAIN 對話框即會出現。

您可以以下列方式運用線上使用手冊與輔助說明系統：

1. 點選「開始」，選擇「程式集」。
2. 選擇您掃描器所在之資料夾，點選「Scanner's User's Guide」，如此您即可閱讀到豐富詳盡的掃描器相關資訊。



6 硬體安裝 (iMac)

請按照以下步驟進行安裝：

1. 打開電腦電源。
2. 稍待數秒，電腦螢幕即出現驅動程式的安裝圖示。
3. 以滑鼠點選安裝圖示即可開始安裝 (Installer) 對話框。
4. 以滑鼠點選安裝圖示。
5. 請依螢幕指示依序完成安裝程式。

6 產品規格

掃描器種類	彩色平台式掃描器
掃描範圍	21.6 cm x 29.7 cm (8.5" x 11.7")
掃描模式：	
彩色 (600 CU)	30-bit (Internal)
(1200 CU)	24-bit (External)
灰階 (600 CU)	36-bit
(1200 CU)	10-bit (Internal)
黑白	8-bit (External)
掃描方式	12-bit
解析度：	1 bit/pixel
光學解析度 (600 CU)：	一次掃描
(1200 CU)：	300dpi (水平) x 600dpi (垂直)
最大解析度 (600 CU)：	600dpi (水平) x 1200dpi (垂直)
(1200 CU)：	9600dpi x 9600dpi (經由軟體插值)
掃描資料之暫存區	19200dpi x 19200dpi (經由軟體插值)
耗電量	32KB
交流電壓	9.6 瓦
操作溫度	AC 85 伏特 ~260 伏特
操作濕度	攝氏 10°C ~ 40°C (華氏 50°C ~ 104°C)
儲存溫度	35% ~ 80% RH, 非凝結狀態
儲存濕度	攝氏 -10°C ~ 60°C (華氏 14°C ~ 140°C)
尺寸	20% ~ 80% RH, 非凝結狀態
(600 CU)	414 x 269 x 52 公釐 (長X寬X高)
(600 CU)	410 x 268 x 36 公釐 (長X寬X高)
重量	
(600 CU)	2.3 公斤
(600 CU)	1.9 公斤

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