FCC ID: ILL16Ø

FCC Compliance Statement:

This equipment has been tested and found to comply with 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 residential installations. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, 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 interference to radio or television equipment 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
-Move the equipment away from the receiver
-Plug the equipment into an outlet on a circuit different from that to which the receiver is connected
-Consult the dealer or an experienced radio/television technician for additional suggestions

You are cautioned that any change or modifications to the equipment not expressly approved by the party responsible for compliance could void Your authority to operate such equipment.

This device complies with Part 15 of the FCC Rules. Operation is subjected to the following two conditions: 1) this device may not cause harmful interference and 2). this device must accept any interference received, including interference that may cause undesired operation.

VisionTOP Titan4000 Accelerator Card

Introduction

The Titan4000A for AGP bus based on S3 Trio3D highly pipelined 2D/3D processor and support Accelerated Graphics Port (AGP). This Graphics accelerator is an idea designs to meet the needs of the widest range of AGP quality 3D applications including 3D design, games, 3D web browsing, animation, visualization, presentation graphics and virtual reality, combined with leading Windows, video playback and VGA acceleration.

What is the Accelerated Graphics Port interface?

The Accelerated Graphics Port (A.G.P.) interface is a new PC platform bus specification that enables high performance graphics capabilities, especially 3D, on PCs at mainstream price points. This interface specification will enable 3D applications, which not only require sufficient information storage so that the monitor image may be refreshed, but also enough storage to support texture mapping, z-buffering and alpha blending. It will allow 3D applications to run faster and to look better on mainstream price point PCs.

PCI will continue to be the main general purpose system I/O bus. The Accelerated Graphics Port interface has been designed specifically for dedicated use by graphics controllers, and is not intended to replace PCI. PCI will migrate to faster and wider versions as the bandwidth needs of PCI I/O functions exceed the capabilities of the 133MB/s, 32-bit, 33MHz version. The Accelerated Graphics Port is designed specifically for point-to-point graphics components. It is physically separated from the PCI bus and it uses a separate connector.

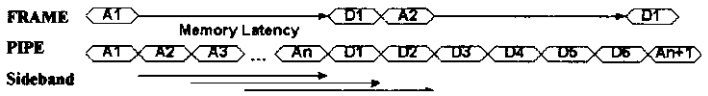
The AGP support of the VIEWTOP AGP Titan4000A

Titan4000A support the full function AGP transfer mechanisms which is the ability to execute textures directly from AGP system memory. There are three different AGP transfer mechanisms as below:

AGP Pipelining – The ability to queue multiple requests at a time by using the "PIPE#" signal of the AGP protocol (can be shortened to *Pipelining* after the first use).

AGP Sideband Addressing – The ability to concurrently request and receive data by using the "SBA" signals of the AGP protocol (can be shortened to *Sideband Addressing* after the first use).

AGP Frame Mode – The mechanism for transferring data that uses the "FRAME#" signal of the AGP protocol (can be shortened to *Frame Mode* after the first use).



Minimum System Requirements

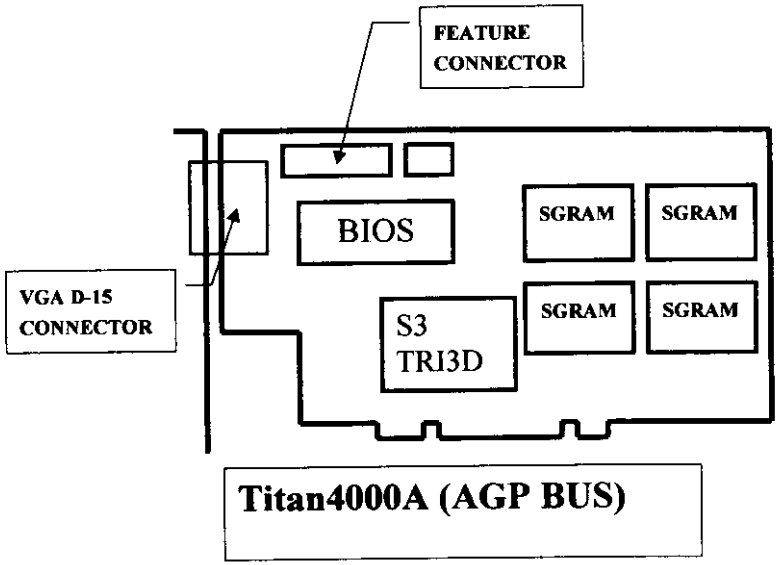
- AGP PC with a Pentium, Pentium-II or compatible microprocessor (with MMX support is recommended).
- VGA analog monitor supporting a minimum 43Hz vertical refresh rate (with DDC 1/2.0B and higher vertical refresh rate support is recommended).
- A free AGP bus slot

Operation System Recommended for AGP Texturing Support

- Windows 95 OSR2.1
- Windows 98
- Windows NT 5.0

Hardware Features:

- S3 Tri03D 128bit 2D/3D Graphics Accelerator.
- 230MHz RAMDAC : For display Resolution up to 1600x1200, and vertical refresh rate up to 200Hz.
- Improved S3d Graphics Engine : Flat and Gouraud shading, Video Texture Mapping, Z-Buffering…
- High Quality horizontal and vertical video scaling (X+Y interpolation).
- Memory Support 4MB SDRAM.
- Support DDC 1/2.0B.



Software Features:

- Drivers List:
  Windows 3.xx /95 /NT3.5x /NT 4.0
  OS/2 Warp, AutoCAD and 3D Studio
- Software standards: OpenGL, Direct3D/DirectDraw/DirectVideo, DCI.

Minimum System Requirements

- PC with a Pentium, Pentium-II or compatible microprocessor (with MMX support is recommended).
- VGA analog monitor supporting a minimum 43Hz vertical refresh rate (with DDC 1/2.0B and higher vertical refresh rate support is recommended).
- A free 32-bit AGP 1.0 bus slot(Titan4000A)
- A free 32-bit PCI 2.1 bus slot(Titan4000P)

Board Installation

To install the **VIEWTOP AGP Titan4000P/A** accelerator board, follow the steps below:

1. Turn off your computer, but leave the power cable connected to the wall outlet to ensure that your computer is grounded.
2. Remove the screws from the back of the system unit cover and slowly pull the cover forward to remove it from the system unit
3. Remove the AGP or PCI slot cover and save the screw to anchor the accelerator board mounting bracket later.
4. Pick up the board (still in its sleeve) by grasping the edge bracket with one hand. Avoiding pressing on board components. With your other hand, touch an unpainted metal surface to discharge any built-up static electricity in your body.
5. Remove the plastic sleeve and with your free hand, touch an unpainted metal surface a second time to ensure there is no static buildup.
6. Insert the board into the expansion slot. Press it firmly to ensure
7. that the board is fully seated. Anchor the board mounting bracket using the screw you set aside previously.
8. Replace the cover on the system unit and connect your analog VGA or compatible monitor to the accelerator board's 15-pin VGA connector, and fasten the retaining screws (if any).

Using "Display Modes"

1. Go to **"Display Properties"** Screen and you will find that **"Display Modes"** item had been added.
2. First select **"Display Modes"** item and you may select
   desired resolution by changing **"Desktop area"** pointer,
   desired color by changing **"Color palette"** value,
   desired font size by changing **"Font size"**, and
   desired refresh rate by changing **"Refresh rate"**.

a). After completing selection, select **"OK"** or **"Apply"** to complete the whole
i. System will reboot.
ii. You may work on your selected mode now.

See VIEWTOP CD Installation guide for more detail. To serve you better, we have created Internet World Wide Web site. The web site location is :

http://viewtop.com/

Installation Guide

SOFTWARE LICENSE STATEMENT

The software described in this manual is protected by international copyright laws. You must not copy the software for any purpose other than making archival copies for the sole purpose of backing-up our software for protection against loss. The software must not be used on two or more machines at the same time.

SOFTWARE

We warrants the physical diskettes and documentation enclosed in this package to be free of any defects in material and workmanship for period of 60 days from the date of purchase. This warranty is limited to the original purchaser of the product and is not transferable. We will replace the defective products only when it is returned to us by the original purchaser. The remedy for this breach of warranty is limited to replacement only and shall not cover any damages, including but not limited to the loss of profit, special, incidental, consequential and other similar claims.

DISCLAIMER

We can not warrant the performance or results you may obtain by using the software or documentation.

With respect to the use of this product, in no event shall we be liable for any loss of profit or any other commercial damage, including but not limited to special, incidental, consequential or other damages.

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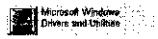
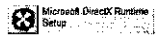
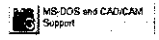
Version 1.0, Printed in Taiwan.



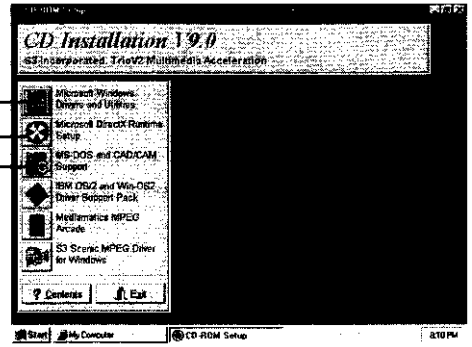
Utility PowerStrip and Windows 95/98/NT4/NT5



Direct X under Windows 95

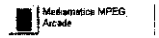


DOS AP driver under DOS,Windows 3.1/95/98/NT4.0/CAD/CAM

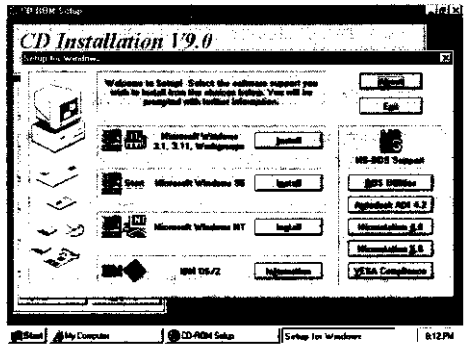


A.

Dos Utility for Autodesk ADI or Microstation 4.0/5.0 of CAD/CAM softwares B.



MPEG-1 driver and VCD Player under Windows 95/98

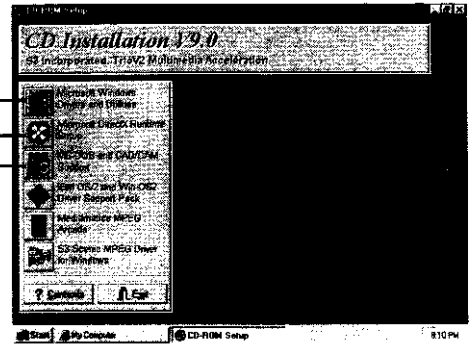


B.

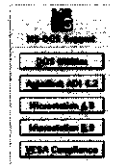
PowerStrip及Windows95/98/NT4/NT5的公共程式。

Windows 95支援下的Direct X驅動程式。

DOS作業系統或Windows 3.1/95/98/NT4.0/CAD/CAM應用驅動程式。

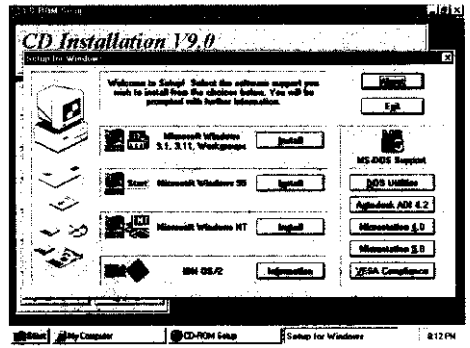


A.



Autodesk ADI及Microstation 4.0/ 5.0 支援CAD/CAM DOS作業系統下的公共驅動程式。B.

Windows 95/98下支援的視訊語音播放程式：



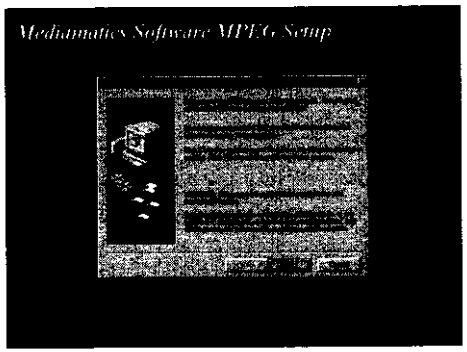
B.

Mediamatics Software MEPG Installation:

1. Select **"My Computer"** then Select **"CD-ROM"**

2. Select " [redacted] " icon then Click **"ok"**

3. Driver begin to install, wait a minute until next screen appear C.
   Select **"Next"** then Click **"I Agree"**



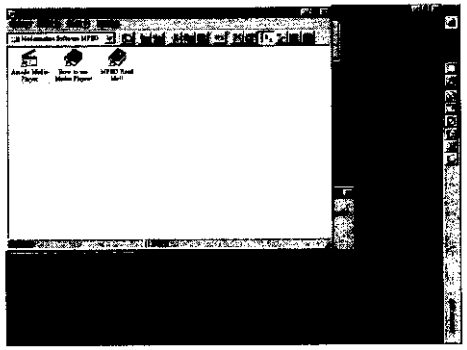
C.

4. Select **"ok"**

5. Close desktop's **"Mediamatics Software MPEG"** window. D.
   Select **"ok"** then Click **"Next"**

6. Select **"I Agree"**

7. Click **"ok"** to end the installation.

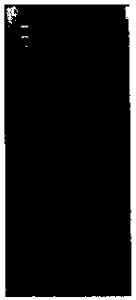


D.

Operation:

1. Select **"Start"** Click **"program"**

2. Select Program Files **"Mediamatics Software MPEG"**
   Choose **"Video CD Player"** then Select **"CD-ROM"** E.



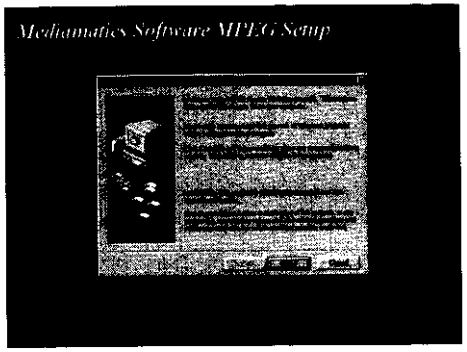
E.

Mediamatics視訊影音安裝程序：

1.選取〝我的電腦〞後選取〝CD-ROM〞

2.選取〝 [redacted] 〞選項後選取〝確定〞。

3.安裝程式確認中，請稍待直到下一個畫面出現。C.
選取〝下一步〞後選取〝我接受〞。



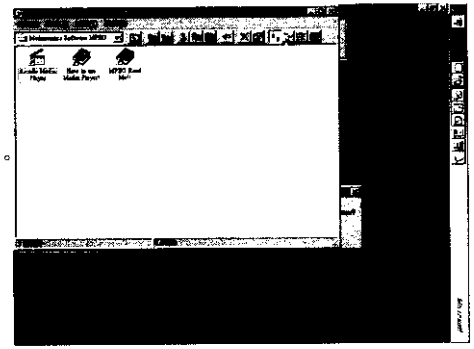
C.

4.選取〝確認〞

5.關閉畫面中〝Mediamatics Software MPEG〞小視窗。D.
選取〝確認〞後選取〝下一步〞選項。

6.選取〝我接受〞。

7.選取〝確認〞選項，結束安裝程式。



D.

操作方式：

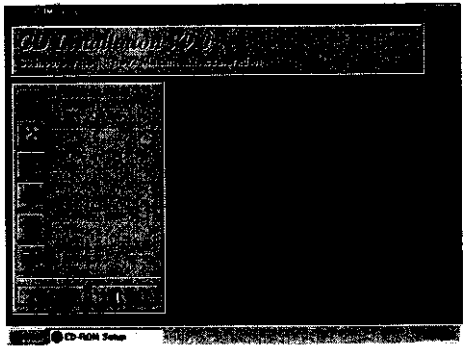
1.選取〝開始〞後進入〝程式集〞。

2.選取〝程式集〞中〝Mediamatics Software MPEG〞。
選取〝Video CD Player〞後執行〝CD-ROM〞。E.

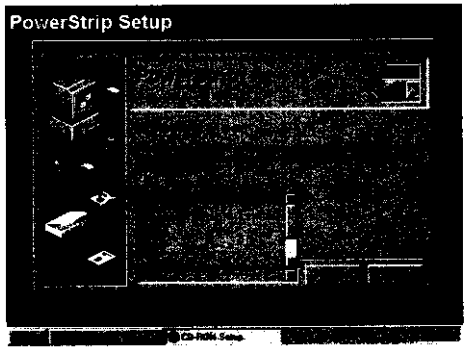
E.

Introduction to Windows 95/98 Installation:
This overview describes how to install the Display Card driver.
Double Click **"My Computer"** icon under Windows 95/98 desktop and select the **"CD-ROM"** drive or insert CD disk in the **"CD-ROM Drive"**

1. Select " [redacted] " A.

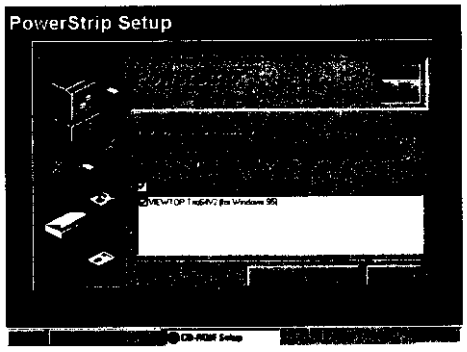


A.



B.

2. (You can click the combo box to select the language in use)
Select **"Next"** B



C.

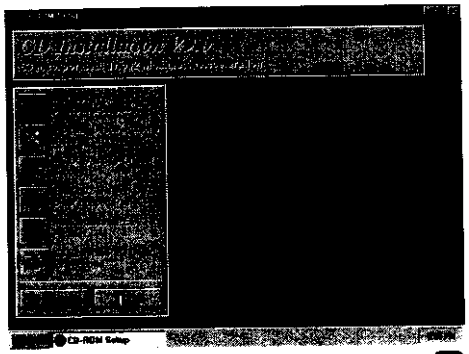
3. Select **"Next"**

4. Clear other video card driver C.
Select [☑ Select all for removal (files will not be deleted)] then Click **"Next"**

5. Select [☑ Select all for removal (files will not be deleted)] then Click **"Next"**

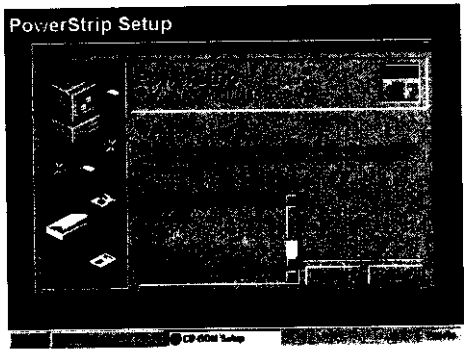
安裝Windows 95/98顯示卡驅動程式：
Windows 95/98主畫面下，選取"我的電腦"進入"我的電腦"選取"CD-ROM"即可進入驅動程式自動執行畫面。

1. 選取 " [redacted] " A.



A.

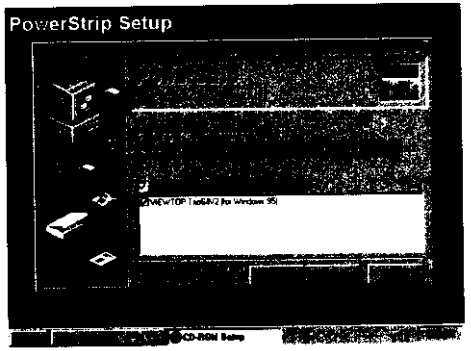
2. (另有多國語言可供您安裝驅動程式時的選擇)
選取"下一步" B.



B.

3. 選取"下一步"選項

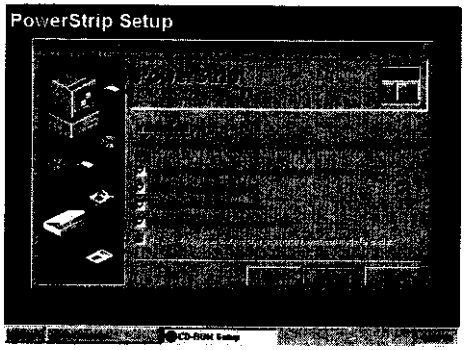
4. 如之前已安裝其它顯示卡 C.
請先選取"☑ 全部移除"再選取"下一步"選項



C.

5. 請選取"☑ 全部移除"再選取"下一步"選項

6. Select "**Finish**" to begin install Display driver Now you will wait a few minutes. D.



D.

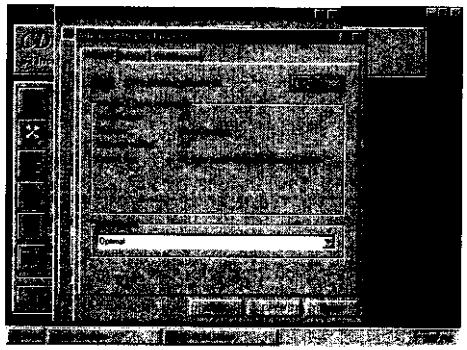
7. Select "**ok**"

8. Select "**Apply**" then Click "**ok**" E.

9. Select "**Apply**"

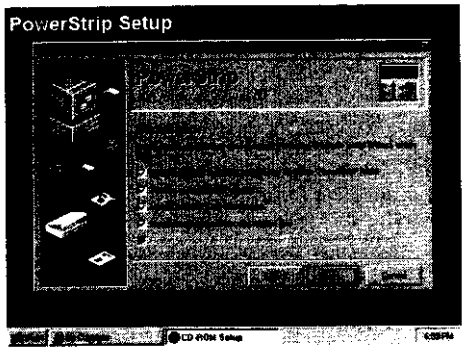
10. Select "**Yes**" and end of installation.

Windows will reboot the system to finish the installation.



E.

6. 開始安裝驅動程式： D.
選取“完成”選項。



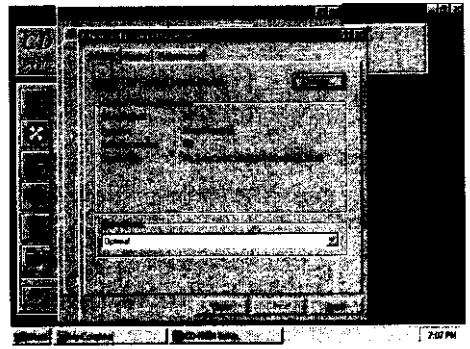
D.

7. 安裝進行中，請稍等，待執行告一段落請選取“確定”選項。

8. 請先選取“套用”後再選取“確定”。 E.

9. 選取“套用”。

10. 選取“是（Y）”結束安裝，此時電腦將會重新啓動。



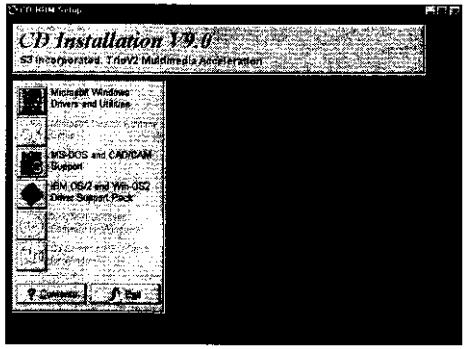
E.

Introduction to Windows NT Installation:

This overview describes how to install the Display Card driver.

Double Click **"My Computer"** icon under Windows NT desktop and select "CD-ROM" drive or insert CD disc in the "CD-ROM" drive

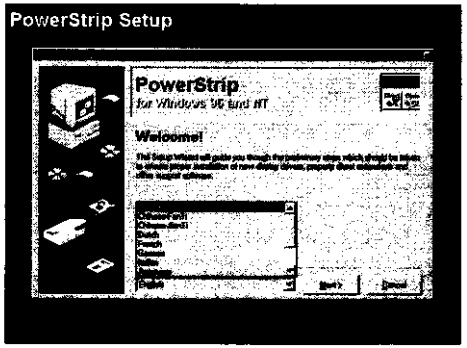
1. Select " Microsoft Windows Drivers and Utilities " A.



A.

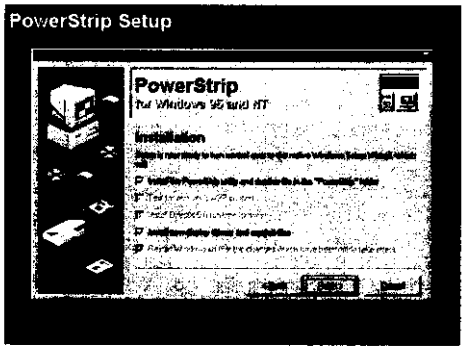
2. (You can click the combo box select the language in use)
   Select **"Next"** B.

3. Select **"Next"**



B.

4. Select **"Finish"** to begin install Display driver. C.

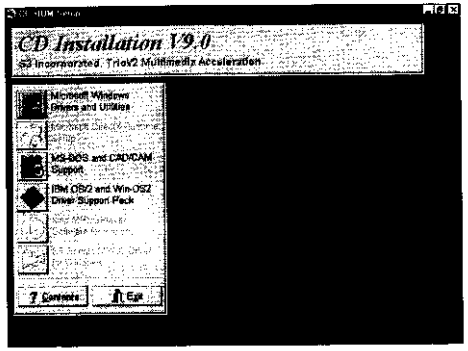


C.

安裝Windows NT顯示卡驅動程式：

Windows NT主畫面下，選取"我的電腦"進入"我的電腦"選取"CD-Driver"即可進入驅動程式自動執行畫面。

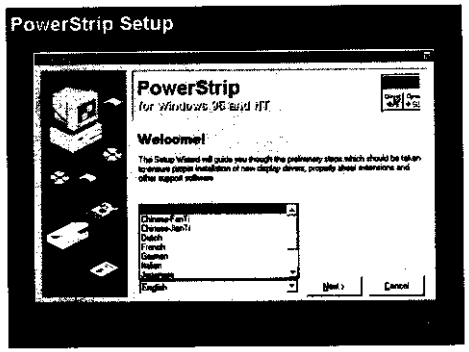
1. 選取 " Microsoft Windows Drivers and Utilities " 選項，按滑鼠左鍵一次即可自動執行。A.



A.

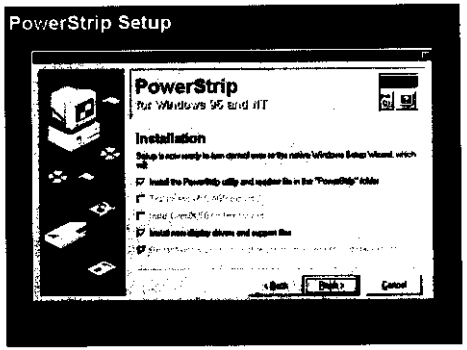
2. （另有多國語言可供您安裝驅動程式時的選擇）。
   選取"下一步"。B.

3. 選取"下一步"。



B.

4. 開始安裝驅動程式，選取"完成"選項。C.



C.

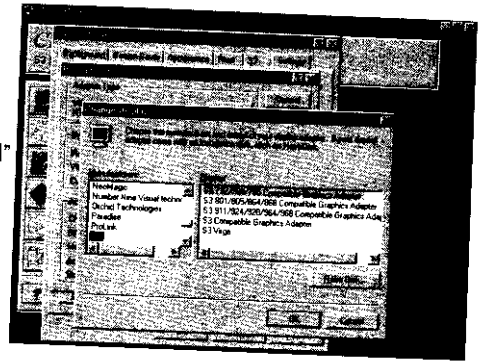
5. Select "**Manufactures**" chipset type then Select "**Have Disk ...**" D.

6. Select "**Browse ...**"

7. (Windows device is A:\)Select "**Cancel**" clean "**Locate File**" picture

8. Select "**Desktop**" then Select "**CD-ROM**"

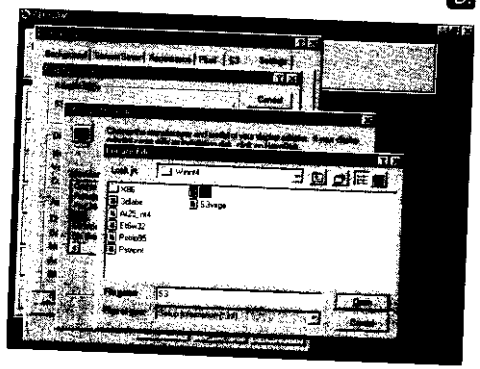
9. Select "**Winnt X**" the Click "**Open**"



D.

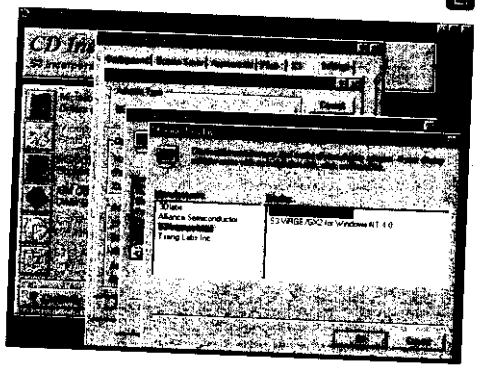
10. Select "**chipset type**" then click "**Open**" E.

11. Select "**ok**"



E.

12. Select "**Manufacturers and Display**" chipset type then click "**ok**" F.
13. Select "**Yes**" to begin install Display driver.
14. Select "**ok**"
15. Select "**close**"
16. Select "**close**"
17. Select "**Yes**" to end installation Windows will reboot the system and finish the installation.

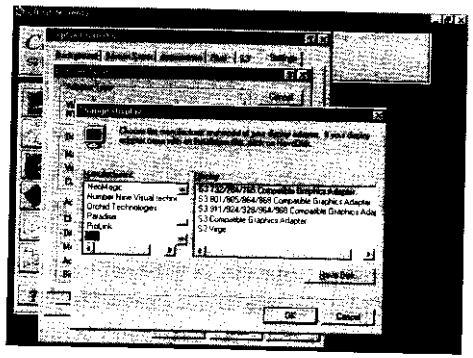


F.

5. 確認顯示卡晶片類型：D.
更改"製造商"及"顯示"內容再選取"從磁片安裝…"選項。

6. 選取"瀏覽"。

7. Windows初始設定值為A:>
請先選取"取消"，
清除"找出檔案位置"畫面。



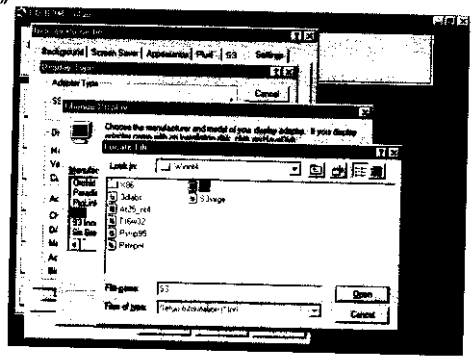
D.

8. 選取"桌面"選項再選取"CD-ROM"

9. 請從驅動程式中選取"Winnt X"後選取"開啓舊檔"。

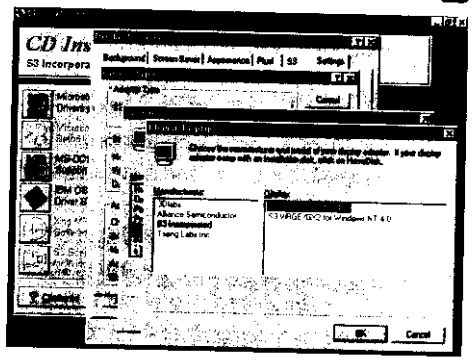
10. 選取顯示卡晶片類型，
再選取"開啓舊檔"（此步驟非常重要，如晶片選擇類型錯誤，驅動程式將無法安裝）。E.

11. 選取"確認"。



E.

12. 選取"製造商"及"顯示"中晶片正確類型後，選取"確認"。F.
13. 選取"是（Y）"開始安裝驅動程式。
14. 選取"確定"選項。
15. 選取"關閉"選項。
16. 選取"關閉"選項。
17. 選取"是（Y）"結束安裝，
此時電腦將會重新啓動。



F.

PowerStrip Toolbar

PowerStrip Configuration

- Control your desktop size, color palette, and refresh rate.
- Assing specific display settings to preset buttons on the PowerSrtip menu and toolbar for quick access to your preferred display schemes.
- Assign frequently used PowerStrip functions to system-wide hot keys.
- Assign up to 20 applications, shortcuts and registered file types to specific, display settings which are temporarily activated only while the association is running.

Enlarging the desktop

The Enlarge desktop menu item allows you to instantly increase desktop size (or resolution) in one step.

Reducing the desktop

The Reduce desktop menu item allows you to instantly decrease desktop size (or resolution) in one step.

Windows media player

The PowerStrip Windows media player menu item is a special type of preset.

Activation DirectX display settings

The DirectX menu item allows you to instantly activate the display settings you assigned to it in the PowerStrip Configuration dialog box.

Activating OpenGL display settings

The OpenGL menu item allows you to instantly activate the display settings you assigned to it in the PowerSrtip Configuration dialog box.

Advanced Monitor Configuration

The Monitor Configuration dialog box is divided into panels which allows you to inform the PowerStrip of your monitor's capabilities, select default preferred refresh rates for each desktop size, and query your Plug and Play monitor for the manufacturer's recommendations.

PowerStrip 工具列：

PowerStrip 軟體設定：

- 你可控制桌面大小，色盤，更新頻率。
- 你可以在選單盒工具列，指定特定顯示設定。
- 你可將常用功能設定為系統熱鍵。
- 你最多可以指定對二十種軟體、捷徑、檔案類型，有不同顯示設定（如解析度）。

桌面放大功能：

使用該選項可立即提高解析度。

桌面縮小功能：

使用該選項可立即降低解析度。

媒體播放程式預設值：

這個選項可以叫用之前設定的媒體播放程式。

Direct X顯示幕設定（取消螢幕省電裝置）Hi Color(16 bit)-640x480-60Hz：

這個選項可以啓動Direct X顯示設定。

Open GL顯示幕設定（取消螢幕省電裝置）True Color(32 bit)-640x480-60Hz：

這個選項可以啓動Open GL的顯示設定。

監視器配置：

由這個對話你可以告訴PowerStrip螢幕功能，然後可設定你希望每一種桌面大小更新的頻率，然後也可以由 PowerStrip 對話盒知道螢幕製造商他建議的設定。

Screen Adjustment
Depending on the capabilities of your graphics accelerator, the PowerStrip Screen Adjustment dialog box allows you to fine-tune refresh rates I Hz by I Hz, screen size and screen position.

DTP Font Controls
The PowerStrip DTP Font Controls dialog box allows you to select your system font size.

Activating the screen saver
The Activate screen saver menu item allows you to instantly activate your screen saver.

Refreshing the desktop
The Refresh desktop menu item allows you to instantly refresh your Windows desktop to the correct color depth, resolution and refresh rate.

Graphics System Information
The PowerStrip Graphics System Information dialog box provides specific information about your graphics hardware and software, including version numbers of critical drivers and support libraries and so on.

Hot Key Resolution

For more detail information, refer to the PSTRIP. DOC file in CD disc.

螢幕調整：
依據你的顯示卡功能，這個對話盒可以讓你作微調、更新的頻率、畫面大小及畫面位置。

桌面字型控制：
這個選項可讓你選擇系統字形的大小。

打開螢幕省電裝置預設值：
讓你馬上啓動螢幕保護程式。

桌面重繪：
你可以馬上將整個螢幕重畫，更新顏色、解析度、更新頻率。

圖形系統資訊：
這個對話盒內提供關於圖形軟體、硬體資訊，包括驅動程式版本，支援的函式庫…等等。

解析度更改熱鍵選項：

如果你需要更詳細的說明資訊，請您參考CD-Disc Driver內的PSTRIP.DOC檔案。