**IBM**

# NVIDIA Graphics Adapter

*User's Guide*

**OPTIONS**
*by IBM*

> **Note:** Before using this information and the product it supports, read the information under "Appendix B. Product warranty and notices" on page B-1.

# Contents

# Safety information

Before installing this product, read the Safety Information.

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Antes de instalar este produto, leia as Informações de Segurança.

在安装本产品之前，请仔细阅读 **Safety Information**
**(安全信息)。**

Prije instalacije ovog produkta obavezno pročitajte Sigurnosne Upute.

Před instalací tohoto produktu si přečtěte příručku bezpečnostních instrukcí.

Læs sikkerhedsforskrifterne, før du installerer dette produkt.

Ennen kuin asennat tämän tuotteen, lue turvaohjeet kohdasta Safety Information.

Avant d'installer ce produit, lisez les consignes de sécurité.

Vor der Installation dieses Produkts die Sicherheitshinweise lesen.

Πριν εγκαταστήσετε το προϊόν αυτό, διαβάστε τις πληροφορίες ασφάλειας (safety information).

לפני שתתקינו מוצר זה, קראו את הוראות הבטיחות.

A termék telepítése előtt olvassa el a Biztonsági előírásokat!

Prima di installare questo prodotto, leggere le Informazioni sulla Sicurezza.

製品の設置の前に、安全情報をお読みください。

본 제품을 설치하기 전에 안전 정보를 읽으십시오.

Пред да се инсталира овој продукт, прочитајте информацијата за безбедност.

Lees voordat u dit product installeert eerst de veiligheidsvoorschriften.

Les sikkerhetsinformasjonen (Safety Information) før du installerer dette produktet.

Przed zainstalowaniem tego produktu, należy zapoznać się z książką "Informacje dotyczące bezpieczeństwa"  (Safety Information).

**v**

Antes de instalar este produto, leia as Informações sobre Segurança.

Перед установкой продукта прочтите инструкции по технике безопасности.

Pred inštaláciou tohto zariadenia si pečítaje Bezpečnostné predpisy.

Pred namestitvijo tega proizvoda preberite Varnostne informacije.

Antes de instalar este producto lea la información de seguridad.

Läs säkerhetsinformationen innan du installerar den här produkten.

安裝本產品之前，請先閱讀「安全資訊」。

# About this book

This manual contains instructions for installing and using the NVIDIA™ Graphics Adapter. The manual is divided into the following parts:

**Part 1: Installation and user's guide**

This guide contains the product description and installation instructions in the following languages:
- English
- French
- Spanish
- Italian
- Brazilian Portuguese
- Traditional Chinese
- Japanese
- Simplified Chinese

**Part 2: Appendixes**

This section contains help and service, warranty, and notice information.

## Registering your option

Thank you for purchasing OPTIONS by IBM®. Please take a few moments to register your product and provide us with information that will help IBM to better serve you in the future. Your feedback is valuable to us in developing products and services that are important to you, as well as in developing better ways to communicate with you. Register your option on the IBM Web site at

http://www.ibm.com/pc/register

IBM will send you information and updates on your registered product unless you indicate on the Web site questionnaire that you do not want to receive further information.

# Installation guide

This section contains the product description and instructions for installing the NVIDIA Graphics Adapter and software.

## Product description

The NVIDIA Graphics Adapter uses the GeForce2 MX™ processor to provide superior performance with digital video and 3D graphics. The graphics adapter features 256-bit graphics processing for 3D and 2D graphics acceleration. It also features second-generation Transform and Lighting engines. The graphics adapter MPEG-2/DVD motion compensation feature enhances full-motion video playback.

The graphics adapter uses Accelerated Graphics Port (AGP) 4X technology. It also has a 700-Mtexel fill rate and 20 Mtriangles per second setup. The video performance enables a range of applications, from 3D games to video conferencing. The graphics adapter also supports DVI-D interface on digital monitors.

In addition to this guide, your option package contains:

- graphics adapter
- Installation CD for NVIDIA Graphics Adapter with GeForce2 MX processor
- Safety information manual

## Preparing for installation

Before you install a graphics adapter, you must take the following precautions to prevent static electricity from damaging electronic parts:

- Before touching any electronic parts, drain the static electricity from your body. You can do this by touching the metal frame of your computer.
- Do not remove the graphics adapter from the antistatic shipping container until you are ready to install it. When you remove an adapter from your computer, place it back in its original container.
- When handling the graphics adapter, hold it by its edges, and avoid touching its circuitry.

## Installing the NVIDIA Graphics Adapter

To install the NVIDIA Graphics Adapter:

1. Turn off all attached devices; then turn off the computer. Unplug all cords and power cables from the computer and all attached devices. Remove the cover from your computer. For instructions on how to remove the cover from your computer, refer to the documentation that comes with your computer.

   For IBM® computers, refer to your user guide for instructions on opening the computer cover, removing existing adapters, and installing adapters in expansion slots.

2. Remove any previously installed graphics adapters. If you have no other graphics adapters but your computer system board has built-in VGA graphics capability, make sure that the VGA graphics capability is disabled. For information on disabling the VGA graphics capability on your computer, see the documentation that comes with your computer.

3. Choose an AGP expansion slot.

   **Attention:** Inserting a graphics adapter into the wrong type of slot might damage your adapter, your computer, or both.

   To identify the location of each type of expansion slot in your computer, refer to the documentation that comes with your computer.

   **Attention:** Do not insert the plastic tab next to the connector pins into the expansion slot.

4. Remove the expansion-slot cover for the expansion slot that you intend to use. Save the screw to use with the mounting bracket.

5. Position the graphics adapter over the expansion slot you have chosen. Push the graphics adapter in firmly and evenly until it is fully seated in the slot.

6. Using the screw from the expansion slot cover, secure the mounting bracket of the graphics adapter to the computer frame.

7. Replace the cover on your computer.

8. If you have a digital or analog monitor with DVI connectors, plug your monitor cable directly into the graphics adapter connector. Plug the other end of the monitor cable into your monitor.

   Refer to the documentation that comes with your monitor to make sure that the monitor is properly set up.

9. Plug the cables for any other attached devices into your computer. Plug the power cables for the computer, monitor, and other attached devices into a power outlet; then turn on the computer and all attached devices.

# Installing the device drivers

This section contains instructions for installing device drivers for the NVIDIA Graphics Adapter. These instructions are for installing the device drivers with Microsoft® Windows® 95, Windows 98, Microsoft Windows 2000 Professional, Microsoft Windows NT® Workstation and Microsoft Windows Millennium Edition (Me). Refer to the section on the operating system that you use.

## Installing the device drivers for Windows 95

If you use Windows 95, follow these instructions to install your device drivers:
 1. Start Windows 95.
 2. Click the **Start** button, then click **Settings,** and then click **Control Panel.**
 3. Double-click **Display,** and then select **Settings.**
 4. Click **Advanced Properties,** then select **Adapter,** and then click **Change.**
 5. Select **Show all devices.**
 6. Select the Standard display types from the Manufacturers list.
 7. Select **Standard PCI Graphics Adapter (VGA)** from the list, then click **OK.**
 8. Click **Apply,** Click **OK,** and then click **Apply.**
 9. Shut down the operating system and turn off the computer.
 10. Remove the previous graphics adapter and insert the new one.
 11. When Windows 95 restarts, click **Start,** click **Settings,** and then click **Control Panel.**
 12. Double-click **Display,** and then click the **Settings** tab.
 13. Click **Advanced Properties,** click the **Adapter** tab, and then click **Change.**
 14. Insert the CD. Click **Have Disk,** select or type the path to the device driver files on CD, and then click **OK.**

> **Note:** If Windows cannot find the files for the NVIDIA Graphics Adapter, make sure the path for the CD-ROM is correct and the correct CD is inserted.

 15. Select the operating system you are using from the CD. When Windows finds the files, click **OK.** Windows copies the files to the hard disk.
 16. Click **Apply,** click **OK,** and then click **Apply.**
 17. Click **Yes** to restart the computer.

## Installing the device drivers for Windows 98

If you use Windows 98, follow these instructions to install your device drivers:
 1. Start Windows 98.
 2. Click **Start,** click **Settings,** and then click **Control Panel**.
 3. Double-click **Display,** and then click the **Settings** tab.
 4. Click **Advanced,** click the **Adapter** tab, and then click **Change**.
 5. Click **Next,** click **Display a list of all the drivers,** and then click **Next**.
 6. Click **Show all hardware.**
 7. From the Manufacturer's list, select **Standard display types**.

8. From the Models list, select **Standard PCI Graphics Adapter (VGA),** and then click **Next.**
9. Click **Next** to install the driver, and then click **Finish.**
10. Click **Apply,** then click **Close.**
11. Shut down the operating system and turn off the computer.
12. Remove the previous graphics adapter and insert the new one.
13. When Windows 98 restarts, click **Start,** click **Settings,** and then click **Control Panel.**
14. Double-click **Display,** and then click the **Settings** tab.
15. Click **Advanced,** click the **Adapter** tab, and then click **Change.**
16. Click **Next,** click **Display a list of all drivers,** and then click **Next.**
17. Insert the CD. Click **Have Disk,** select or type the path to the device driver files on CD, and then click **OK.**

   **Note:** If Windows cannot find the files for the NVIDIA Graphics Adapter, make sure the path for the CD-ROM is correct and the correct CD is inserted.

18. Select the operating system you are using from the CD. When Windows finds the files, click **OK,** and then click **Next.** Windows copies the files to the hard disk.
19. Click **Finish,** click **Apply,** and then click **Close.**
20. Click **Yes** to restart the computer.

## Installing the device drivers for Windows 2000

If you use Windows 2000, follow these instructions to install your device drivers:
1. Shut down the operating system and turn off the computer.
2. Remove the previous graphics adapter and insert the new one.
3. Start Windows 2000.
4. Click **Start,** click **Settings,** and then click **Control Panel**.
5. Double-click **Display,** and then click the **Settings** tab.
6. Click **Advanced,** click the **Adapter** tab, and then click **Properties.**
7. Click the **Driver** tab, and then click **Update Driver.**
8. Click **Next.**
9. Select **Display a list of known drivers.**
10. Click **Have Disk.**
11. Insert the CD and then select or type the path to the CD-ROM.
12. Click **Browse,** click **Open** and then click **OK.**
13. From the Models list, select **NVIDIA GeForce2 MX** and then click **Next.**

   **Note:** If Windows cannot find the files for the NVIDIA Graphics Adapter, make sure the path for the CD-ROM is correct and the correct CD is inserted.

14. Click **Next** and then click **Finish.**
15. Click **Yes** to restart the computer.

## Installing the device drivers for Windows NT

If you use Windows NT, follow these instructions to install your device drivers:

1. Start Windows NT.
2. Click **Start,** click **Settings,** and then click **Control Panel.**
3. Double-click **Display**, and then click the **Settings** tab.
4. Click **Display Type.**
5. Click **Change**.
6. Select **Standard display type** from the Manufacturer's list and **VGA compatible display adapter** from the Display list.
7. Click **OK,** and then click **OK.**
8. Close the windows, shut down the operating system and turn off computer.
9. Remove the previous graphics adapter and insert the new one.
10. Turn on the computer.
11. Start Windows NT.
12. When Windows NT restarts, click **Start,** click **Settings,** and then click **Control Panel.**
13. Double-click **Display,** and then click the **Settings** tab.
14. Click **Display Type,** and then click **Change.**
15. Insert the CD. Click **Have Disk.**
16. Click **Browse** and click to the CD-ROM drive.
17. Double-click **Drivers,** double-click **GeForce2 MX,** and double-click on the operating system.

   **Note:** If Windows cannot find the files for the NVIDIA Graphics Adapter, make sure the path for the CD-ROM is correct and the correct CD is inserted.
18. Click **Open,** and then click **OK.**
19. Select **NVIDIA GeForce2 MX** and click **Yes** to copy the files. The files copy to your hard disk.
20. Click **OK,** close the windows and then click **Yes** to restart the computer. The computer restarts.

## Installing the device drivers for Windows Me

If you use Windows Me, follow these instructions to install your device drivers:

1. Start Windows Me.
2. Click **Start,** click **Settings,** and then click **Control Panel.**
3. Double-click **Display,** and then click the **Settings** tab.
4. Click **Advanced,** then select the **Adapter** tab, and then click **Change.**
5. Select **Specify the location of the driver (Advanced),** and then click **Next.**
6. Select **Display a list of drivers,** and then click **Next.**
7. Select **Show all hardware.**
8. From the Manufacturer's list select **Standard display types.**

9. From the Models list, select **Standard PCI Graphics Adapter (VGA),** and then click **Next.**
10. Click **Next** and then click **Finish.**
11. Shut down the operating system and restart the computer.
12. Remove the previous graphics adapter and insert the new one.
13. When Windows Me restarts, click **Start,** click **Settings,** and then click **Control Panel.**
14. Double-click **Display,** and then click the **Settings** tab.
15. Click **Advanced,** click the **Adapter** tab, and then click **Change.**
16. Select **Specify the location of the driver,** and then click **Next.**
17. Select **Display a list of drivers,** and then click **Next.**
18. Select **Show all hardware.**
19. Insert the CD. Click **Have Disk,** select or type the path to the device driver files on CD.
20. Click **Browse,** double-click **Drivers,** and then double-click **GeForce2 MX.**

   **Note:** If Windows cannot find the files for the NVIDIA Graphics Adapter, make sure the path for the CD-ROM is correct and the correct CD is inserted.
21. **Double**-**click** the operating system you are using and click **OK.**
22. Click **OK,** click **OK** and then click **Next.** Windows copies the files.
23. Once copied, click **Finish** and then click **Yes** to restart the computer.

## Uninstall instructions

Follow these instructions to uninstall the device drivers:
1. Click **Start,** select **Settings,** and then click **Control Panel.**
2. Double-click **Add/Remove Programs,** then select **NVIDIA Display Properties Extension.** For Windows NT, select **NVIDIA Windows NT 4.0 Display Drivers.**
3. Click **Add/Remove.**
4. Click **Yes** to confirm that you want to remove the device drivers.
5. Click **Yes** to restart the computer.

# Guide d'installation

Cette section contient la description de la carte graphique NVIDIA et les instructions d'installation de cette carte, ainsi que du logiciel associé.

## Description du produit

Grâce à l'utilisation du processeur GeForce2 MX, la carte graphique NVIDIA fournit des performances supérieures avec vidéo numérique et fonctions graphiques 3D. Cette carte permet un traitement graphique 256 octets pour l'accélération des fonctions graphiques 2D et 3D. Elle comporte également des moteurs de Transform et Lighting de seconde génération. La fonction de compensation de mouvements MPEG-2/DVD améliore la lecture des animations vidéo.

Cette carte graphique utilise la technologie AGP (Accelerated Graphics Port) 4X. Elle présente également un débit de remplissage de 700 mégatexels et une configuration de 20 mégatriangles par seconde. Ses performances vidéo exceptionnelles permettent d'utiliser une grande variété d'applications allant des jeux 3D aux conférences vidéo. Cette carte prend également en charge l'interface DVI-D sur les moniteurs numériques.

Outre le présent guide, votre module optionnel comprend les éléments suivants :

- la carte graphique
- le CD-ROM d'installation de cartes graphiques NVIDIA avec le processeur GeForce2 MX
- un manuel contenant des informations relatives aux mesures de sécurité

## Préparation de l'installation

Avant d'installer une carte graphique, prenez les précautions suivantes afin d'éviter que l'électricité statique n'endommage les composants électroniques :

- Ne touchez aucun composant électronique sans avoir préalablement déchargé votre corps de toute son électricité statique. Pour cela, vous pouvez, par exemple, toucher le cadre métallique de l'ordinateur.
- Vous ne devez retirer la carte graphique de son emballage antistatique que lorsque vous êtes prêt à l'installer. Lorsque vous retirez une carte de l'ordinateur, replacez-la immédiatement dans son emballage d'origine.
- Lorsque vous manipulez une carte graphique, tenez-la par les côtés et évitez de toucher ses circuits.

## Installation de la carte graphique NVIDIA

Pour installer la carte graphique NVIDIA :

1. Mettez hors tension tous les périphériques connectés, puis l'ordinateur. Débranchez tous les câbles et cordons d'alimentation connectés à l'ordinateur et aux périphériques. Retirez le boîtier de l'ordinateur. Pour savoir comment effectuer ce retrait, reportez-vous à la documentation fournie avec l'ordinateur.

   Si vous utilisez un ordinateur IBM, reportez-vous au guide d'utilisation pour plus d'informations sur le retrait du boîtier, sur celui des cartes existantes et sur l'installation des cartes dans les emplacements d'extension.

2. Retirez toute carte graphique déjà installée. Une fois que vous avez retiré toutes les cartes, si la carte principale de l'ordinateur possède des fonctions graphiques VGA intégrées, assurez-vous qu'elles sont désactivées. Pour plus d'informations sur la désactivation des fonctions graphiques de l'ordinateur, reportez-vous à la documentation fournie avec ce dernier.

3. Choisissez un emplacement d'extension AGP.

   **Avertissement :** Si vous insérez la carte graphique dans un type d'emplacement inadapté, vous risquez d'endommager la carte et/ou l'ordinateur.

   Pour identifier la localisation physique de chaque type d'emplacement d'extension, reportez-vous à la documentation fournie avec l'ordinateur.

   **Avertissement :** N'insérez-pas l'onglet en plastique situé à côté des broches du connecteur dans l'emplacement d'extension.

4. Retirez le cache de l'emplacement d'extension que vous souhaitez utiliser. Mettez de côté la vis utilisée pour l'étrier de fixation.

5. Placez la carte graphique dans l'emplacement d'extension. Enfoncez-la dans l'emplacement jusqu'à ce qu'elle soit parfaitement en place.

6. Verrouillez l'étrier de fixation de la carte graphique au cadre de l'ordinateur en utilisant la vis du cache d'emplacement d'extension.

7. Replacez le boîtier de l'ordinateur.

8. Si vous possédez un moniteur numérique ou analogique équipé de connecteurs DVI, branchez directement le câble du moniteur dans le connecteur de la carte graphique. Branchez l'autre extrémité du câble dans le moniteur lui-même.

   Pour savoir si le moniteur est correctement configuré, reportez-vous à la documentation fournie avec ce dernier.

9. Connectez les câbles des autres périphériques à l'ordinateur. Branchez les cordons d'alimentation de l'ordinateur, du moniteur et des autres périphériques dans une prise de courant, puis mettez sous tension l'ordinateur et les périphériques.

## Installation des pilotes de périphérique

Cette section contient les instructions d'installation des pilotes de périphérique associés à la carte graphique NVIDIA. Ces instructions concernent l'installation des pilotes de périphérique sous Microsoft Windows 95, Windows 98, Microsoft Windows 2000 Professional, Microsoft Windows NT Workstation et Microsoft Windows Millennium Edition (Me). Reportez-vous à la section relative au système d'exploitation utilisé.

## Installation des pilotes de périphérique sous Windows 95

Si vous utilisez Windows 95, suivez les instructions suivantes pour installer les pilotes de périphérique.

1. Démarrez Windows 95.
2. Cliquez sur **Démarrer**, puis sur **Paramètres** et **Panneau de configuration**.
3. Cliquez deux fois sur **Affichage**, puis sélectionnez **Configuration**.
4. Cliquez sur **Propriétés avancées**, puis sur **Carte** et sur **Changer**.
5. Sélectionnez **Afficher tous les périphériques**.
6. Sélectionnez Types d'affichage standard dans la liste Constructeurs.
7. Sélectionnez **Carte graphique standard PCI (VGA)** dans la liste et cliquez sur **OK**.
8. Cliquez sur **Appliquer**, puis sur **OK** et de nouveau sur **Appliquer**.
9. Arrêtez le système d'exploitation et mettez l'ordinateur hors tension.
10. Retirez les cartes graphiques précédemment installées et insérez la nouvelle carte.
11. Une fois le redémarrage de Windows 95 terminé, cliquez sur **Démarrer**, puis sur **Paramètres** et **Panneau de configuration**.
12. Cliquez deux fois sur **Affichage**, puis sélectionnez **Configuration**.
13. Cliquez sur **Propriétés avancées**, puis sur **Carte** et sur **Changer**.
14. Insérez le CD-ROM dans son unité. Cliquez sur **Disquette fournie**, puis sélectionnez ou tapez le chemin d'accès aux fichiers du pilote de périphérique sur le CD-ROM et cliquez sur **OK.**

    Remarque : Si Windows ne réussit pas à trouver les fichiers du pilote de la carte graphique NVIDIA, assurez-vous que le chemin d'accès à ces fichiers est correct et que le CD-ROM utilisé est également correct.

15. Sélectionnez sur le CD-ROM le système d'exploitation utilisé. Une fois les fichiers localisés, cliquez sur **OK.** Windows copie les fichiers sur le disque dur.
16. Cliquez sur **Appliquer**, puis sur **OK** et de nouveau sur **Appliquer**.
17. Cliquez sur **Oui** pour redémarrer l'ordinateur.

## Installation des pilotes de périphérique sous Windows 98

Si vous utilisez Windows 98, suivez les instructions suivantes pour installer les pilotes de périphérique.

1. Démarrez Windows 98.

2. Cliquez sur **Démarrer**, puis sur **Paramètres** et **Panneau de configuration**.
3. Cliquez deux fois sur **Affichage**, puis sélectionnez **Paramètres**.
4. Cliquez sur **Avancé**, puis sur **Carte** et sur **Modifier**.
5. Cliquez sur **Suivant**, sélectionnez **Afficher une liste de tous les pilotes**, puis cliquez sur **Suivant**.
6. Cliquez sur **Afficher tous les matériels**.
7. Dans la liste Constructeurs, sélectionnez **Types d'affichage standard**.
8. Dans la liste Modèles, sélectionnez **Carte graphique standard PCI (VGA)**, puis cliquez sur **Suivant**.
9. Cliquez sur **Suivant** pour installer le pilote, puis sur **Terminer**.
10. Cliquez sur **Appliquer**, puis sur **Fermer**.
11. Arrêtez le système d'exploitation et mettez l'ordinateur hors tension.
12. Retirez les cartes graphiques précédemment installées et insérez la nouvelle carte.
13. Une fois le redémarrage de Windows 98 terminé, cliquez sur **Démarrer**, puis sur **Paramètres** et **Panneau de configuration**.
14. Cliquez deux fois sur **Affichage**, puis sélectionnez **Paramètres**.
15. Cliquez sur **Avancé**, puis sur **Carte** et sur **Modifier**.
16. Cliquez sur **Suivant**, sélectionnez **Afficher une liste de tous les pilotes**, puis cliquez sur **Suivant**.
17. Insérez le CD-ROM dans son unité. Cliquez sur **Disquette fournie**, puis sélectionnez ou tapez le chemin d'accès aux fichiers du pilote de périphérique sur le CD-ROM et cliquez sur **OK.**

    **Remarque :** Si Windows ne réussit pas à trouver les fichiers du pilote de la carte graphique NVIDIA, assurez-vous que le chemin d'accès à ces fichiers est correct et que le CD-ROM utilisé est également correct.
18. Sélectionnez sur le CD-ROM le système d'exploitation utilisé. Une fois les fichiers localisés, cliquez sur **OK**, puis sur **Suivant**. Windows copie les fichiers sur le disque dur.
19. Cliquez sur **Terminer**, puis sur **Appliquer** et enfin sur **Fermer**.
20. Cliquez sur **Oui** pour redémarrer l'ordinateur.

## Installation des pilotes de périphérique sous Windows 2000
Si vous utilisez Windows 2000, suivez les instructions suivantes pour installer les pilotes de périphérique.
1. Arrêtez le système d'exploitation et mettez l'ordinateur hors tension.
2. Retirez les cartes graphiques précédemment installées et insérez la nouvelle carte.
3. Démarrez Windows 2000.
4. Cliquez sur **Démarrer**, puis sur **Paramètres** et **Panneau de configuration**.
5. Cliquez deux fois sur **Affichage**, puis sélectionnez **Paramètres**.
6. Cliquez sur **Avancés**, puis sur **Carte** et sur **Propriétés**.
7. Cliquez sur l'onglet **Pilote**, puis sur **Mettre à jour le pilote**.
8. Cliquez sur **Suivant**.
9. Sélectionnez **Afficher la liste des pilotes connus**.

10. Cliquez sur **Disque fourni**.
11. Insérez le CD-ROM dans son unité, puis sélectionnez ou tapez le chemin d'accès au CD-ROM.
12. Cliquez sur **Parcourir**, puis sur **Ouvrir** et enfin sur **OK**.
13. Dans la liste Modèles, sélectionnez **NVIDIA GeForce2 MX** et cliquez sur **Suivant**.

    Remarque : Si Windows ne réussit pas à trouver les fichiers du pilote de la carte graphique NVIDIA, assurez-vous que le chemin d'accès à ces fichiers est correct et que le CD-ROM utilisé est également correct.
14. Cliquez sur **Suivant**, puis sur **Terminer.**
15. Cliquez sur **Oui** pour redémarrer l'ordinateur.

## Installation des pilotes de périphérique sous Windows NT

Si vous utilisez Windows NT, suivez les instructions suivantes pour installer les pilotes de périphérique.
 1. Démarrez Windows NT.
 2. Cliquez sur **Démarrer**, puis sur **Paramètres** et **Panneau de configuration**.
 3. Cliquez deux fois sur **Affichage**, puis sélectionnez **Paramètres**.
 4. Cliquez sur **Type d'affichage**.
 5. Cliquez sur **Changer**.
 6. Sélectionnez **Types d'écrans standard** dans la liste Fabricants et **Carte vidéo compatible VGA** dans la liste Afficher.
 7. Cliquez sur **OK,** puis de nouveau sur **OK**.
 8. Fermez les fenêtres, arrêtez le système d'exploitation et mettez l'ordinateur hors tension.
 9. Retirez les cartes graphiques précédemment installées et insérez la nouvelle carte.
10. Mettez l'ordinateur sous tension.
11. Démarrez Windows NT.
12. Une fois le redémarrage de Windows NT terminé, cliquez sur **Démarrer**, puis sur **Paramètres** et **Panneau de configuration**.
13. Cliquez deux fois sur **Affichage**, puis sélectionnez **Paramètres**.
14. Cliquez sur **Type d'affichage,** puis sur **Changer.**
15. Insérez le CD-ROM dans son unité. Cliquez sur **Disquette fournie**.
16. Cliquez sur **Parcourir**, puis sur l'unité de CD-ROM.
17. Cliquez deux fois sur **Pilotes**, puis deux fois sur **GeForce2 MX**, et encore deux fois sur le système d'exploitation.

    Remarque : Si Windows ne réussit pas à trouver les fichiers du pilote de la carte graphique NVIDIA, assurez-vous que le chemin d'accès à ces fichiers est correct et que le CD-ROM utilisé est également correct.
18. Cliquez sur **Ouvrir** et sur **OK**.
19. Sélectionnez **NVIDIA GeForce2 MX** et cliquez sur **Oui** pour copier les fichiers sur le disque dur. Les fichiers sont copiés sur le disque dur.

20. Cliquez sur **OK**, fermez les fenêtres et cliquez sur **Oui** pour redémarrer l'ordinateur. L'ordinateur redémarre.

## Installation des pilotes de périphérique sous Windows Millennium (Me)

Si vous utilisez Windows Me, suivez les instructions suivantes pour installer les pilotes de périphérique.

1. Démarrez Windows Me.
2. Cliquez sur **Démarrer**, puis sur **Paramètres** et **Panneau de configuration**.
3. Cliquez deux fois sur **Affichage**, puis sélectionnez **Paramètres**.
4. Cliquez sur **Avancé**, puis sur **Carte** et sur **Modifier**.
5. Sélectionnez **Spécifier l'emplacement du pilote (avancé** et cliquez sur **Suivant**.
6. Sélectionnez **Afficher une liste de tous les pilotes** et cliquez sur **Suivant.**
7. Cliquez sur **Afficher tous les matériels**.
8. Dans la liste Constructeurs, sélectionnez **Types d'affichage standard**.
9. Dans la liste Modèles, sélectionnez **Carte graphique standard PCI (VGA)**, puis cliquez sur **Suivant**.
10. Cliquez sur **Suivant**, puis sur **Terminer.**
11. Arrêtez le système d'exploitation et redémarrez l'ordinateur.
12. Retirez les cartes graphiques précédemment installées et insérez la nouvelle carte.
13. Une fois le redémarrage de Windows Me terminé, cliquez sur **Démarrer**, puis sur **Paramètres** et **Panneau de configuration**.
14. Cliquez deux fois sur **Affichage**, puis sélectionnez **Paramètres**.
15. Cliquez sur **Avancé**, puis sur **Carte** et sur **Modifier**.
16. Sélectionnez **Spécifier l'emplacement du pilote** et cliquez sur **Suivant**.
17. Sélectionnez **Afficher une liste de tous les pilotes** et cliquez sur **Suivant.**
18. Cliquez sur **Afficher tous les matériels**.
19. Insérez le CD-ROM dans son unité. Cliquez sur **Disquette fournie**, puis sélectionnez ou tapez le chemin d'accès aux fichiers du pilote de périphérique sur le CD-ROM.
20. Cliquez sur **Parcourir**, cliquez deux fois sur **Pilotes** puis deux fois sur **GeForce2 MX**.

   **Remarque :** Si Windows ne réussit pas à trouver les fichiers du pilote de la carte graphique NVIDIA, assurez-vous que le chemin d'accès à ces fichiers est correct et que le CD-ROM utilisé est également correct.

21. **Cliquez deux fois** sur le système d'exploitation utilisé, puis cliquez sur **OK.**
22. Cliquez sur **OK**, puis de nouveau sur **OK** et enfin sur **Suivant**. Windows copie les fichiers.
23. Une fois la copie terminée, cliquez sur **Terminer** puis sur **Oui** pour redémarrer l'ordinateur.

## Instructions de désinstallation

Pour désinstaller les pilotes de périphérique, procédez comme suit :

1. Cliquez sur **Démarrer**, puis sur **Paramètres** et **Panneau de configuration**.
2. Cliquez deux fois sur **Ajout/Suppression de programmes**, puis sélectionnez **Extension des propriétés d'affichage NVIDIA (NVIDIA Display Properties Extension)**. Sous Windows NT, sélectionnez **Pilotes d'affichage NVIDIA Windows NT 4.0 (NVIDIA Windows NT 4.0 Display Drivers.**.
3. Cliquez sur **Ajouter/Supprimer.**
4. Cliquez sur **Oui** pour confirmer la suppression.
5. Cliquez sur **Oui** pour redémarrer l'ordinateur.

# Guía de instalación

Esta sección contiene la descripción y las instrucciones para instalar el software y la tarjeta gráfica NVIDIA.

## Descripción del producto

La tarjeta gráfica NVIDIA utiliza el procesador GeForce2 MX™ para ofrecer un rendimiento superior con vídeo digital y gráficos 3D. Esta tarjeta gráfica dispone de prestaciones gráficas de 256 bits para acelerar el proceso de gráficos 3D y 2D. Asimismo, cuenta con motores de iluminación y transformación de segunda generación. La función de compensación de movimiento de la tarjeta gráfica MPEG-2/DVD mejora la reproducción de vídeo de movimiento completo.

La tarjeta gráfica utiliza la tecnología AGP (Accelerated Graphics Port, Puerto de gráficos acelerados) 4X. Asimismo, presenta una velocidad de relleno de 700 Mtexel y de 20 millones de triángulos por segundo. El rendimiento de vídeo permite trabajar con una amplia gama de aplicaciones, desde juegos en 3D hasta vídeoconferencias. La tarjeta gráfica también permite utilizar la interfaz DVI-D en monitores digitales.

Además de esta guía del usuario, el paquete de opciones contiene:

- Tarjeta gráfica
- CD de instalación para la tarjeta gráfica NVIDIA con procesador GeForce2 MX
- Manual de información de seguridad

## Preparación antes de realizar la instalación

Antes de instalar una tarjeta gráfica, debe seguir los pasos que se detallan a continuación para evitar que la electricidad estática cause daños en los componentes electrónicos:

- Antes de tocar cualquiera de los componentes electrónicos, descargue la electricidad estática de su cuerpo. Puede hacerlo tocando el bastidor metálico del sistema.
- No desmonte la tarjeta gráfica del contenedor antiestático en el que se presenta hasta que vaya a realizar la instalación. Cuando desmonte un adaptador del sistema, vuelva a colocarlo en su contenedor original.
- Siempre que toque la tarjeta gráfica, sujétela por los extremos y evite tocar el sistema de circuitos.

**1-15**

## Instalación de la tarjeta gráfica NVIDIA

Para instalar la tarjeta gráfica NVIDIA:

1. Apague todos los dispositivos conectados y, a continuación, el sistema. Desconecte todos los cables de alimentación del sistema y todos los dispositivos conectados a él. Desmonte la cubierta del sistema. Para saber cómo hacerlo, consulte la documentación que se adjunta con el sistema.

   Para sistemas IBM®, consulte la guía del usuario para obtener instrucciones sobre cómo desmontar la cubierta del sistema, extraer tarjetas gráficas existentes e instalar tarjetas en las ranuras de expansión.

2. Extraiga cualquier otra tarjeta gráfica instalada con anterioridad. Si no posee ninguna otra tarjeta gráfica pero la placa del sistema tiene la función integrada de gráficos VGA, asegúrese de que dicha función esté inhabilitada. Si desea obtener información acerca de cómo inhabilitar la función de gráficos VGA del sistema, consulte la documentación que se facilita con el mismo.

3. Seleccione una ranura de expansión AGP.

   **Atención:** Insertar una tarjeta gráfica en la ranura equivocada puede causar daños en dicha tarjeta, en el sistema o en ambos.

   Para obtener información específica acerca de dónde se encuentran las distintas ranuras de expansión, consulte la documentación que se proporciona con el sistema.

   **Atención:** No inserte la pestaña de plástico situada junto a las patillas del conector en la ranura de expansión.

4. Retire la cubierta de la ranura de expansión que desee utilizar. Guarde el tornillo para utilizarlo con la pieza de sujeción.

5. Coloque la tarjeta gráfica en la ranura de expansión elegida. Inserte la tarjeta gráfica de modo firme y uniforme hasta que quede fija en la ranura.

6. Fije la pieza de sujeción de la tarjeta gráfica en el bastidor del sistema mediante el tornillo de la cubierta de la ranura de expansión.

7. Vuelva a colocar la cubierta en el sistema.

8. Si el monitor es digital o analógico con conectores DVI, enchufe el cable del monitor directamente en el conector de la tarjeta gráfica. Enchufe el otro extremo del cable del monitor en el monitor.

   Consulte la documentación que acompaña al monitor para asegurarse de que lo ha configurado correctamente.

9. Enchufe los cables de los demás dispositivos conectados al sistema. Enchufe los cables de alimentación, del monitor y de otros dispositivos conectados a una toma de alimentación. A continuación, encienda el sistema y todos los dispositivos conectados al mismo.

# Instalación de los controladores de dispositivo

Esta sección contiene instrucciones para realizar la instalación de los controladores de dispositivo de la tarjeta gráfica NVIDIA. Éstas son instrucciones para instalar los controladores de dispositivo con Microsoft® Windows® 95, Windows 98, Microsoft Windows 2000 Professional, Microsoft Windows NT® Workstation y Microsoft Windows Millennium Edition (Me). Consulte la sección del sistema operativo que usted utilice.

## Instalación de los controladores de dispositivo con Windows 95

Si utiliza Windows 95, siga las instrucciones que aparecen a continuación para instalar los controladores de dispositivo:

1. Inicie Windows 95.
2. Pulse en el botón **Inicio**, después pulse en **Configuración** y, a continuación, seleccione **Panel de control**.
3. Efectúe una doble pulsación en **Pantalla** y, a continuación, seleccione **Configuración**.
4. Pulse en **Propiedades avanzadas**, seleccione **Adaptador** y, a continuación, **Cambiar**.
5. Seleccione **Mostrar todos los dispositivos**.
6. Seleccione los tipos de pantalla estándar de la lista de fabricantes.
7. De la lista de modelos, seleccione **Adaptador de gráficos PCI estándar (VGA)** y, a continuación, pulse en **Aceptar**.
8. Pulse en **Aplicar**. Pulse en **Aceptar** y, a continuación, en **Aplicar**.
9. Cierre el sistema operativo y apague el sistema.
10. Extraiga el adaptador de gráficos anterior e inserte el nuevo.
11. Cuando se reinicie Windows 95, pulse en **Inicio**, pulse en **Configuración** y, a continuación, en **Panel de control**.
12. Efectúe una doble pulsación en **Pantalla** y, a continuación, pulse en la pestaña **Configuración**.
13. Pulse en **Propiedades avanzadas**, pulse en la pestaña **Adaptador** y, a continuación, en **Cambiar**.
14. Inserte el CD. Pulse en **Utilizar disco**, seleccione o escriba la vía de acceso a los archivos de controladores del CD y pulse en **Aceptar**.

    **Nota:** Si Windows no encuentra los archivos de la tarjeta gráfica NVIDIA, asegúrese de que la vía de acceso del CD-ROM sea la correcta y de que el CD que ha insertado sea también el adecuado.

15. Seleccione del CD el sistema operativo que esté utilizando. Una vez que Windows encuentre los archivos, pulse en **Aceptar**. Windows copia los archivos en el disco duro.
16. Pulse en **Aplicar**, en **Aceptar** y, a continuación, en **Aplicar**.
17. Pulse en **Sí** para reiniciar el sistema.

## Instalación de los controladores de dispositivo con Windows 98

Si utiliza Windows 98, siga las instrucciones que aparecen a continuación para instalar los controladores de dispositivo:

1. Inicie Windows 98.
2. Pulse en **Inicio**, en **Configuración** y, a continuación, en **Panel de control**.
3. Efectúe una doble pulsación en **Pantalla** y, a continuación, pulse en la pestaña **Configuración**.
4. Pulse en **Avanzada**, pulse en la pestaña **Adaptador** y, a continuación, pulse en **Cambiar**.
5. Pulse en **Siguiente**, seleccione **Mostrar una lista de todos los controladores** y, a continuación, pulse en **Siguiente**.
6. Pulse en **Mostrar todo el hardware**.
7. De la lista de fabricantes, seleccione **Tipos de pantalla estándar**.
8. De la lista de modelos, seleccione **Adaptador de gráficos PCI estándar (VGA)** y, a continuación, pulse en **Siguiente**.
9. Pulse en **Siguiente** para instalar el controlador y, a continuación, pulse en **Finalizar**.
10. Pulse en **Aplicar** y, a continuación, en **Cerrar**.
11. Cierre el sistema operativo y apague el sistema.
12. Extraiga el adaptador de gráficos anterior e inserte el nuevo.
13. Cuando se reinicie Windows 98, pulse en **Inicio,** en **Configuración** y, a continuación, en **Panel de control**.
14. Efectúe una doble pulsación en **Pantalla** y, a continuación, pulse en la pestaña **Configuración**.
15. Pulse en **Avanzada**, pulse en la pestaña **Adaptador** y, a continuación, pulse en **Cambiar**.
16. Pulse en **Siguiente**, seleccione **Mostrar una lista de todos los controladores** y, a continuación, pulse en **Siguiente**.
17. Inserte el CD. Pulse en **Utilizar disco**, seleccione o escriba la vía de acceso a los archivos de controladores del CD y pulse en **Aceptar**.

   **Nota:** Si Windows no encuentra los archivos de la tarjeta gráfica NVIDIA, asegúrese de que la vía de acceso del CD-ROM sea la correcta y de que el CD que ha insertado sea también el adecuado.

18. Seleccione del CD el sistema operativo que esté utilizando. Cuando Windows encuentre los archivos, pulse en **Aceptar** y, a continuación, en **Siguiente**. Windows copia los archivos en el disco duro.
19. Pulse en **Finalizar**, en **Aplicar** y, a continuación, en **Cerrar**.
20. Pulse en **Sí** para reiniciar el sistema.

## Instalación de los controladores de dispositivo con Windows 2000

Si utiliza Windows 2000, siga las instrucciones que aparecen a continuación para instalar los controladores de dispositivo:

1. Cierre el sistema operativo y apague el sistema.
2. Extraiga el adaptador de gráficos anterior e inserte el nuevo.
3. Inicie Windows 2000.

4. Pulse en **Inicio**, en **Configuración** y, a continuación, en **Panel de control**.
5. Efectúe una doble pulsación en **Pantalla** y, a continuación, pulse en la pestaña **Configuración**.
6. Pulse en **Avanzada**, seleccione la pestaña **Adaptador** y, a continuación, **Propiedades**.
7. Pulse en la pestaña **Controlador** y, a continuación, en **Actualizar controlador**.
8. Pulse en **Siguiente**.
9. Seleccione **Mostrar una lista de los controladores conocidos**.
10. Pulse en **Utilizar disco**.
11. Inserte el CD y, a continuación, seleccione o escriba la vía de acceso al CD-ROM.
12. Pulse en **Examinar**, en **Abrir** y, a continuación, en **Aceptar**.
13. De la lista de modelos, seleccione **NVIDIA GeForce2 MX** y, a continuación, pulse en **Siguiente**.

> **Nota:** Si Windows no encuentra los archivos de la tarjeta gráfica NVIDIA, asegúrese de que la vía de acceso del CD-ROM sea la correcta y de que el CD que ha insertado sea también el adecuado.

14. Pulse en **Siguiente** y, a continuación, en **Finalizar**.
15. Pulse en **Sí** para reiniciar el sistema.

## Instalación de los controladores de dispositivo con Windows NT

Si utiliza Windows NT, siga las instrucciones que aparecen a continuación para instalar los controladores de dispositivo:

1. Inicie Windows NT.
2. Pulse en **Inicio**, en **Configuración** y, a continuación, en **Panel de control**.
3. Efectúe una doble pulsación en **Pantalla** y, a continuación, pulse en la pestaña **Configuración**.
4. Pulse en **Tipo de pantalla**.
5. Pulse en **Cambiar**.
6. Seleccione **Tipos de pantalla estándar** de la lista de fabricantes y **Adaptador de pantalla compatible VGA** de la lista de pantallas.
7. Pulse en **Aceptar** y, a continuación, en **Aceptar** de nuevo.
8. Cierre las ventanas, el sistema operativo y apague el sistema.
9. Extraiga el adaptador de gráficos anterior e inserte el nuevo.
10. Encienda el sistema.
11. Inicie Windows NT.
12. Cuando se reinicie Windows NT, pulse en **Inicio**, en **Configuración** y, a continuación, en **Panel de control**.
13. Efectúe una doble pulsación en **Pantalla** y, a continuación, pulse en la pestaña **Configuración**.
14. Pulse en **Tipo de pantalla** y, a continuación, en **Cambiar**.
15. Inserte el CD. Pulse en **Utilizar disco**.
16. Pulse en **Examinar** y en la unidad del CD-ROM.
17. Efectúe una doble pulsación en **Controladores**, después en **GeForce2 MX** y, a continuación, en el sistema operativo.

**Nota:** Si Windows no encuentra los archivos de la tarjeta gráfica NVIDIA, asegúrese de que la vía de acceso del CD-ROM sea la correcta y de que el CD que ha insertado sea también el adecuado.

18. Pulse en **Abrir** y, a continuación, en **Aceptar**.
19. Seleccione **NVIDIA GeForce2 MX** y pulse en **Sí** para copiar los archivos. Los archivos se copian en el disco duro.
20. Pulse en **Aceptar**, cierre las ventanas y luego pulse en **Sí** para reiniciar el sistema. El sistema se reinicia.

## Instalación de los controladores de dispositivo con Windows Me

Si utiliza Windows Me, siga las instrucciones que aparecen a continuación para instalar los controladores de dispositivo:

1. Inicie Windows Me.
2. Pulse en **Inicio**, en **Configuración** y, a continuación, en **Panel de control**.
3. Efectúe una doble pulsación en **Pantalla** y, a continuación, pulse en la pestaña **Configuración**.
4. Pulse en **Avanzada**, seleccione la pestaña **Adaptador** y, a continuación, pulse en **Cambiar**.
5. Seleccione **Especificar la ubicación del controlador (Avanzada)** y, a continuación, pulse **Siguiente**.
6. Seleccione **Mostrar una lista de todos los controladores** y, a continuación, pulse en **Siguiente**.
7. Seleccione **Mostrar todo el hardware**.
8. De la lista de fabricantes, seleccione **Tipos de pantalla estándar**.
9. De la lista de modelos, seleccione **Adaptador de gráficos PCI estándar (VGA)** y, a continuación, pulse en **Siguiente**.
10. Pulse en **Siguiente** y, a continuación, en **Finalizar**.
11. Cierre el sistema operativo y reinicie el sistema.
12. Extraiga el adaptador de gráficos anterior e inserte el nuevo.
13. Cuando se reinicie Windows Me, pulse en **Inicio**, en **Configuración** y, a continuación, en **Panel de control**.
14. Efectúe una doble pulsación en **Pantalla** y, a continuación, pulse en la pestaña **Configuración**.
15. Pulse en **Avanzada**, pulse en la pestaña **Adaptador** y, a continuación, pulse en **Cambiar**.
16. Seleccione **Especificar la ubicación del controlador** y, a continuación, pulse en **Siguiente**.
17. Seleccione **Mostrar una lista de todos los controladores** y, a continuación, pulse en **Siguiente**.
18. Seleccione **Mostrar todo el hardware**.
19. Inserte el CD. Pulse en **Utilizar disco** y seleccione o escriba la vía de acceso a los archivos de controladores del CD.
20. Pulse en **Examinar**, efectúe una doble pulsación en **Controladores** y, a continuación, seleccione **GeForce2 MX**.

**Nota:** Si Windows no encuentra los archivos de la tarjeta gráfica NVIDIA, asegúrese de que la vía de acceso del CD-ROM sea la correcta y de que el CD que ha insertado sea también el adecuado.

21. **Efectúe una doble pulsación** en el sistema operativo que esté utilizando y, a continuación, pulse en **Aceptar**.

22. Pulse en **Aceptar**, en **Aceptar** de nuevo y, a continuación, pulse en **Siguiente**. Windows copia los archivos.

23. Una vez que se hayan copiado, pulse en **Finalizar** y, a continuación, en **Sí** para reiniciar el sistema.

## Instrucciones para la desinstalación

Si desea desinstalar los controladores de dispositivo, siga los pasos que figuran a continuación:

1. Pulse en **Inicio**, en **Configuración** y, a continuación, en **Panel de control**.

2. Efectúe una doble pulsación en **Agregar o quitar programas** y, a continuación, seleccione **Extensión de propiedades de pantalla de NVIDIA**. Para Windows NT, seleccione **Controladores de pantalla de NVIDIA Windows NT 4.0**.

3. Pulse en **Agregar o quitar**.

4. Pulse en **Sí** para confirmar que desea eliminar los controladores de dispositivo.

5. Pulse en **Sí** para reiniciar el sistema.

# Guida all'installazione

Questa sezione contiene la descrizione del prodotto e le istruzioni sull'installazione del software e dell'adattatore grafico NVIDIA.

## Descrizione del prodotto

L'adattatore grafico NVIDIA utilizza il processore GeForce2 MX™ per fornire prestazioni elevate con grafici 3D e video digitale. L'adattatore grafico è caratterizzato da un'elaborazione di grafica a 256 bit per l'accelerazione di grafici 3D e 2D. E' anche caratterizzato dalle funzioni di luminosità e di trasformazione di seconda generazione. La funzione di compensazione di movimento dell'adattatore grafico MPEG-2/DVD potenzia la riproduzione video a movimento completo.

L'adattatore grafico utilizza la tecnologia AGP (Accelerated Graphics Port) 4X. Ha una velocità di 700-Mtexel e di 20 Mtriangles al secondo. La prestazione del video abilita una gamma di applicazioni, dai giochi 3D alle video conferenze. L'adattatore grafico supporta l'interfaccia DVI-D sui video digitali.

Oltre a questa guida, il pacchetto di opzioni contiene:

- adattatore grafico
- CD di installazione per l'adattatore grafico NVIDIA con processore GeForce2 MX
- Manuale relativo alle informazioni sulla sicurezza

## Preparazione all'installazione

Prima di installare un adattatore grafico, per evitare che l'elettricità statica danneggi parti elettroniche, è necessario prendere le seguenti precauzioni:

- Prima di toccare parti elettroniche, drenare l'elettricità statica dal proprio corpo. E' possibile effettuare tale operazione toccando il telaio di metallo dell'elaboratore.
- Non rimuovere l'adattatore grafico dall'involucro antistatico fino a quando non viene installato. Quando un adattatore viene rimosso dall'elaboratore, posizionarlo nell'involucro originale.
- Quando l'adattatore grafico viene gestito, mantenerlo dalle estremità ed evitare il contatto con il circuito esposto.

## Installazione dell'adattatore grafico NVIDIA

Per installare l'adattatore grafico NVIDIA, procedere nel modo seguente:

1. Spegnere tutte le unità collegate; quindi, spegnere l'elaboratore. Scollegare tutti i cavi di alimentazione dall'elaboratore e tutte le unità collegate. Rimuovere il coperchio dall'elaboratore. Per le istruzioni sulla rimozione del coperchio dall'elaboratore, consultare la documentazione fornita con l'elaboratore.

   Per le istruzioni sull'apertura del coperchio dell'elaboratore, la rimozione degli adattatori esistenti e l'installazione degli adattatori negli alloggiamenti per espansione, per gli elaboratori IBM®, consultare la guida per l'utente.

2. Rimuovere qualsiasi adattatore grafico installato precedentemente. Se non si dispone di altri adattatori grafici, ma la scheda di sistema dell'elaboratore è dotata di una capacità grafica VGA integrata, verificare che la capacità grafica VGA sia disabilitata. Per le informazioni sulla disabilitazione della capacità grafica VGA, consultare la documentazione fornita con l'elaboratore.

3. Selezionare un alloggiamento per espansione AGP.

   **Avvertenza:** L'inserimento di un adattatore grafico nell'alloggiamento non appropriato potrebbe danneggiare l'adattatore e l'elaboratore.

   Per identificare l'ubicazione di ciascun tipo di alloggiamento per espansione, consultare la documentazione fornita con l'elaboratore.

   **Avvertenza:** Non inserire la linguetta di plastica accanto ai piedini del connettore nell'alloggiamento per espansione.

4. Rimuovere il coperchio dell'alloggiamento per espansione che si desidera utilizzare. Conservare la vite da utilizzare con il supporto di montaggio.

5. Posizionare l'adattatore grafico sull'alloggiamento per espansione desiderato. Inserire l'adattatore grafico con decisione e fino a quando viene posizionato correttamente nell'alloggiamento.

6. Utilizzando la vite dal coperchio dell'alloggiamento per espansione, fissare il supporto di montaggio dell'adattatore grafico sul telaio dell'elaboratore.

7. Reinstallare il coperchio sull'elaboratore.

8. Se si dispone di video digitale o analogico con connettori DVI, collegare il cavo del video direttamente al connettore dell'adattatore grafico. Collegare l'altra estremità del cavo del video al video.

   Per verificare che il video sia impostato correttamente, consultare la documentazione fornita con il video.

9. Collegare i cavi di altre unità collegate all'elaboratore. Collegare i cavi di alimentazione dell'elaboratore, del video e di altre unità collegate alla presa elettrica; quindi, accendere l'elaboratore e tutte le unità collegate.

# Installazione dei driver di periferica

Questa sezione contiene le istruzioni sull'installazione dei driver di periferica relativi all'adattatore grafico NVIDIA. Tali istruzioni sono relative all'installazione dei driver di periferica con i sistemi operativi Microsoft® Windows® 95, Windows 98, Microsoft Windows 2000 Professional, Microsoft Windows NT® Workstation e Microsoft Windows Millennium (Me). Consultare la sezione relativa al sistema operativo da utilizzare.

## Installazione dei driver di periferica per Windows 95

Se si utilizza Windows 95, per installare i driver di periferica, seguire queste istruzioni:
1. Avviare Windows 95.
2. Fare clic sul pulsante **Avvio**, quindi fare clic su **Impostazioni** e **Pannello di controllo**.
3. Fare doppio clic su **Schermo** e selezionare **Impostazioni**.
4. Fare clic su **Proprietà avanzate**, quindi selezionare **Scheda** e fare clic su **Cambia**.
5. Selezionare **Mostra tutte le periferiche**.
6. Selezionare i Tipi di schermo standard dall'elenco Produttori.
7. Selezionare **Scheda video VGA compatibile** dall'elenco, quindi fare clic su **OK**.
8. Fare clic su **Applica**, su **OK** e pi fare clic su **Applica**.
9. Per riavviare l'elaboratore, fare clic su **Sì**.
10. Quando viene riavviato il sistema operativo Windows 95, fare clic su **Avvio**, **Impostazioni** e poi su **Pannello di controllo**.
11. Fare doppio clic su **Schermo** e poi sul separatore **Impostazioni**.
12. Fare clic su **Proprietà avanzate**, sul separatore **Scheda** e poi su **Cambia**.
13. Inserire il CD. Fare clic su **Disco driver...**, selezionare o digitare il percorso dei file del driver di periferica sul CD e fare clic su **OK.**

    **Nota:** Se Windows non è in grado di rilevare i file dell'adattatore grafico NVIDIA, verificare che il percorso dell'unità CD-ROM sia corretto e che il CD sia inserito correttamente.
14. Selezionare il sistema operativo che si sta utilizzando dal CD. Quando Windows rileva i file, fare clic su **OK.** Windows copia i file sul disco fisso.
15. Fare clic su **Applica**, **OK** e poi su **Applica**.
16. Per riavviare l'elaboratore, fare clic su **Sì**.

## Installazione dei driver di periferica per Windows 98

Se si utilizza Windows 98, seguire queste istruzioni per istallare i driver di periferica:
1. Avviare Windows 98.
2. Fare clic su **Start**, quindi fare clic su **Impostazioni** e poi su **Pannello di controllo**.
3. Fare doppio clic su **Schermo** e poi sul separatore **Impostazioni**.

4. Fare clic su **Avanzate**, fare clic sul separatore **Scheda** e poi su **Cambia**.
5. Fare clic su **Avanti**, su **Mostra un elenco di tutti i driver** e poi fare clic su **Avanti**.
6. Fare clic su **Mostra hardware**.
7. Dall'elenco Produttori, selezionare **Tipi di schermo standard**.
8. Dall'elenco Modelli, selezionare **Scheda video VGA compatibile**, quindi fare clic su **Avanti**.
9. Per installare il driver, fare clic su **Avanti** e poi su **Fine**.
10. Fare clic su **Applica** e poi su **Chiudi**.
11. Fare clic su **Sì** per riavviare l'elaboratore.
12. Quando viene riavviato Windows 98, fare clic su **Start**, quindi fare clic su **Impostazioni** e poi su **Pannello di controllo**.
13. Fare doppio clic su **Schermo** e poi sul separatore **Impostazioni**.
14. Fare clic su **Avanzate**, sul separatore **Scheda** e poi fare clic su **Cambia**.
15. Fare clic su **Avanti**, su **Mostra un elenco di tutti i driver** e poi fare clic su **Avanti**.
16. Inserire il CD. Fare clic su **Disco driver...**, selezionare o digitare il percorso dei file del driver di periferica sul CD e poi fare clic su **OK**.

   **Nota:** Se Windows non è in grado di rilevare i file dell'adattatore grafico NVIDIA, verificare che il percorso dell'unità CD-ROM sia corretto e che il CD sia inserito correttamente.
17. Selezionare il sistema operativo che si sta utilizzando dal CD. Quando Windows rileva i file, fare clic su **OK** e poi su **Avanti**. Windows copia i file sul disco fisso.
18. Fare clic su **Fine**, **Applica** e poi su **Chiudi**.
19. Per riavviare l'elaboratore, fare clic su **Sì**.

## Installazione dei driver di periferica per Windows 2000

Se si utilizza Windows 2000, per installare i driver di periferica, seguire le istruzioni riportate di seguito:
1. Avviare Windows 2000.
2. Fare clic su **Start**, quindi fare clic su **Impostazioni** e poi su **Pannello di controllo**.
3. Fare doppio clic su **Schermo** e poi sul separatore **Impostazioni**.
4. Fare clic su **Avanzate**, fare clic sul separatore **Scheda** e poi su **Proprietà**.
5. Fare clic sul separatore **Driver** e poi fare clic su **Aggiorna driver**.
6. Fare clic su **Avanti**.
7. Selezionare **Mostra un elenco dei driver sconosciuti**.
8. Fare clic su **Disco driver...**
9. Inserire il CD e selezionare o digitare il percorso dell'unità CD-ROM.
10. Fare clic su **Sfoglia**, **Apri** e poi fare clic su **OK**.
11. Dall'elenco Modelli, selezionare **NVIDIA GeForce2 MX** e poi fare clic su **Avanti**.

> **Nota:** Se Windows non è in grado di rilevare i file dell'adattatore grafico NVIDIA, verificare che il percorso dell'unità CD-ROM sia corretto e che il CD sia inserito correttamente.

12. Fare clic su **Avanti** e poi su **Fine**.
13. Per riavviare l'elaboratore, fare clic su **Sì**.

## Installazione dei driver di periferica per Windows NT

Se si utilizza Windows NT, per installare i driver di periferica, seguire le istruzioni riportate di seguito:

1. Avviare Windows NT.
2. Fare clic su **Avvio**, quindi fare clic su **Impostazioni** e poi su **Pannello di controllo**.
3. Fare doppio clic su **Schermo** e poi sul separatore **Impostazioni**.
4. Fare clic su **Schermo Tipo**.
5. Fare clic su **Cambia**.
6. Selezionare **Tipo di schermi standard** dall'elenco Produttori e **Scheda video VGA compatibile** dall'elenco Schermi.
7. Fare clic su **OK** e poi su **OK**.
8. Chiudere la finestra, fare clic su **Sì** e riavviare l'elaboratore.
9. Quando Windows NT viene riavviato, fare clic su **Avvio**, su **Impostazioni** e su **Pannello di controllo**.
10. Fare doppio clic su **Schermo** e poi sul separatore **Impostazioni**.
11. Fare clic su **Tipo schermo** e su **Cambia.**
12. Inserire il CD. Fare clic su **Disco driver...**.
13. Fare clic su **Sfoglia** e selezionare l'unità CD-ROM.
14. Fare doppio clic su **Driver**, fare doppio clic su **GeForce2 MX** e poi sul sistema operativo.

   > **Nota:** Se Windows non è in grado di rilevare i file dell'adattatore grafico NVIDIA, verificare che il percorso dell'unità CD-ROM sia corretto e che il CD sia inserito correttamente.

15. Fare clic su **Apri** e poi su **OK**.
16. Selezionare **NVIDIA GeForce2 MX** e fare clic su **Sì** per copiare i file sul disco fisso.
17. Fare clic su **OK**, chiudere le finestre e fare clic su **Sì** per riavviare l'elaboratore.

## Installazione dei driver di periferica per Windows Me

Se si utilizza Windows Me, per installare i driver di periferica, seguire le istruzioni riportate di seguito:

1. Avviare Windows Me.
2. Fare clic su **Start**, quindi fare clic su **Impostazioni** e poi su **Pannello di controllo**.
3. Fare doppio clic su **Schermo** e poi sul separatore **Impostazioni**.
4. Fare clic su **Avanzate**, selezionare il separatore **Scheda** e poi su **Cambia**.
5. Selezionare **Specifica il percorso del driver (Avanzate)** e poi fare clic su **Avanti**.

6. Selezionare **Mostra un elenco dei driver** e poi fare clic su **Avanti**.
7. Selezionare **Mostra hardware**.
8. Dall'elenco Produttori, selezionare **Tipi di schermi standard**.
9. Dall'elenco Modelli, selezionare **Scheda video VGA compatibile** e poi fare clic su **Avanti**.
10. Fare clic su **Avanti** e poi su **Fine**.
11. Per riavviare l'elaboratore, fare clic su **Sì**.
12. Quando Windows Me viene riavviato, fare clic su **Avvio**, su **Impostazioni** e su **Pannello di controllo**.
13. Fare doppio clic su **Schermo** e poi sul separatore **Impostazioni**.
14. Fare clic su **Avanzate**, fare clic sul separatore **Scheda** e poi su **Cambia**.
15. Selezionare **Specifica il percorso del driver** e poi fare clic su **Avanti**.
16. Selezionare **Mostra un elenco dei driver**, quindi fare clic su **Avanti**.
17. Selezionare **Mostra hardware**.
18. Inserire il CD. Fare clic su **Disco driver...**, selezionare o digitare il percorso dei file del driver di periferica sul CD.
19. Fare clic su **Sfoglia**, fare doppio clic su **Driver** e poi fare doppio clic su **GeForce2 MX**.

> **Nota:** Se Windows non è in grado di rilevare i file dell'adattatore grafico NVIDIA, verificare che il percorso dell'unità CD-ROM sia corretto e che il CD sia inserito correttamente.

20. **Fare doppio clic sul**sistema operativo in uso e poi su **OK.**
21. Fare clic su **OK**, **OK** e poi su **Avanti**. Windows copia i file.
22. Una volta terminata la copia, fare clic su **Fine** e poi su **Sì** per riavviare l'elaboratore.

## Istruzioni sulla disinstallazione

Per disinstallare i driver di periferica, seguire le istruzioni riportate di seguito:
1. Fare clic su **Start/Avvio**, selezionare **Impostazioni** e poi su **Pannello di controllo**.
2. Fare doppio clic su **Installazione applicazioni**, quindi selezionare **Estensione proprietà schermo NVIDIA**. Per Windows NT, selezionare **NVIDIA Windows NT 4.0 Mostra driver)**.
3. Fare clic su **Aggiungi/Rimuovi**.
4. Per confermare che si desidera rimuovere i driver di periferica, fare clic su **Sì**.
5. Per riavviare l'elaboratore, fare clic su **Sì**.

# Guia de Instalação

Esta seção contém a descrição do produto e as instruções para instalar o Adaptador Gráfico NVIDIA e o software.

## Descrição do Produto

O Adaptador Gráfico NVIDIA utiliza o processador GeForce2 MX™ para fornecer desempenho superior com vídeo digital e gráficos 3D. O adaptador gráfico apresenta processamento de gráficos de 256 bits para aceleração de gráficos 3D e 2D. Também apresenta os mecanismos de Transformação e Luminosidade de segunda geração. O recurso de compensação de animação MPEG-2/DVD do adaptador gráfico melhora a reprodução do vídeo de animação completa.

O adaptador gráfico utiliza a tecnologia AGP (Porta Gráfica Acelerada) 4X. Também possui uma taxa de preenchimento de 700-Mtexel e configuração de 20 Mtriangles por segundo. O desempenho de vídeo permite a utilização de uma série de aplicativos, de jogos 3D a vídeo-conferência. O adaptador gráfico também suporta a interface DVI-D em monitores digitais.

Além deste guia, o pacote de opcionais contém:
- Adaptador gráfico
- CD de instalação do Adaptador Gráfico NVIDIA com processador GeForce2 MX
- Manual de informações sobre segurança

## Preparando a Instalação

Antes de instalar um adaptador gráfico, você deve tomar as precauções a seguir para evitar que a eletricidade estática danifique as peças eletrônicas:
- Antes de tocar as peças eletrônicas, descarregue a eletricidade estática de seu corpo. Você pode fazer isso tocando na estrutura de metal do computador.
- Não remova o adaptador gráfico do contêiner de entrega antiestático até que você esteja pronto para instalá-lo. Ao remover um adaptador do computador, coloque-o de volta em seu contêiner original.
- Quando manusear o adaptador gráfico, segure-o pelas bordas e evite tocar o conjunto de circuitos.

## Instalando o Adaptador Gráfico NVIDIA

Para instalar o Adaptador Gráfico NVIDIA:

1. Desligue todos os dispositivos conectados; em seguida, desligue o computador. Desconecte todos os cabos e cabos de alimentação do computador e todos os dispositivos conectados. Remova a tampa do computador. Para obter instruções sobre como remover a tampa do computador, consulte a documentação fornecida com o computador.

   Para computadores IBM®, consulte o guia do usuário para obter instruções sobre como abrir a tampa do computador, remover as placas existentes e instalar as placas em slots de expansão.

2. Remova os adaptadores gráficos anteriormente instalados. Se você não tiver outros adaptadores gráficos, mas a placa de sistema do computador tiver capacidade interna para gráficos VGA, certifique-se de que a capacidade para gráficos VGA esteja desativada. Para obter informações sobre como desativar a capacidade para gráficos VGA, consulte a documentação fornecida com o computador.

3. Escolha um slot de expansão AGP.

   **Atenção:** A inserção de um adaptador gráfico em um tipo incorreto de slot pode danificar o adaptador, o computador, ou ambos.

   Para identificar a localização de cada tipo de slot de expansão no computador, consulte a documentação fornecida com o computador.
   **Atenção:** Não insira a presilha de plástico próxima aos pinos conectores no slot de expansão.

4. Remova a tampa do slot de expansão que você pretende utilizar. Guarde o parafuso para utilizá-lo com o suporte de montagem.

5. Posicione o adaptador gráfico sobre o slot de expansão escolhido. Empurre o adaptador gráfico, de modo firme e plano, até que esteja completamente encaixado no slot.

6. Utilizando o parafuso da tampa do slot de expansão, prenda o suporte de montagem do adaptador gráfico à estrutura do computador.

7. Recoloque a tampa no computador.

8. Se você tiver um monitor digital ou analógico com conectores DVI, conecte o cabo do monitor diretamente ao conector do adaptador gráfico. Conecte a outra extremidade do cabo do monitor ao monitor.

   Consulte a documentação fornecida com o monitor para certificar-se de que ele esteja configurado corretamente.

9. Conecte ao computador os cabos de quaisquer outros dispositivos conectados. Conecte a uma tomada de força os cabos de alimentação do computador, do monitor e de outros dispositivos conectados; em seguida, ligue o computador e todos os dispositivos conectados.

## Instalando os Drivers de Dispositivo

Esta seção contém instruções para instalar os drivers de dispositivo do Adaptador Gráfico NVIDIA. Essas instruções são para instalar os drivers de dispositivo com o Microsoft® Windows® 95, Windows 98, Microsoft Windows 2000 Professional, Microsoft Windows NT® Workstation e Microsoft Windows Millennium Edition (Me). Consulte a seção sobre o sistema operacional que você utiliza.

## Instalando os Drivers de Dispositivo no Windows 95

Se você utiliza o Windows 95, siga estas instruções para instalar os drivers de dispositivo:

1. Inicie o Windows 95.
2. Clique no botão **Iniciar**, clique em **Configurações** e, em seguida, clique em **Painel de Controle**.
3. Dê um clique duplo em **Vídeo** e, em seguida, selecione **Configurações**.
4. Clique em **Propriedades Avançadas**, selecione **Adaptador** e, em seguida, clique em **Alterar**.
5. Selecione **Mostrar todos os dispositivos.**
6. Selecione os tipos de vídeo Padrão da lista de Fabricantes.
7. Selecione **Adaptador Gráfico PCI Padrão (VGA)** na lista e, em seguida, clique em **OK.**
8. Clique em **Aplicar**, clique em **OK** e, em seguida, clique em **Aplicar**.
9. Encerre o sistema operacional e desligue o computador.
10. Remova o adaptador gráfico anterior e insira o novo.
11. Quando o Windows 95 for reiniciado, clique em **Iniciar**, clique em **Configurações** e, em seguida, clique em **Painel de Controle**.
12. Dê um clique duplo em **Vídeo** e, em seguida, clique na guia **Configurações**.
13. Clique em **Propriedades Avançadas**, clique na guia **Adaptador** e, em seguida, clique em **Alterar**.
14. Insira o CD. Clique em **Com Disco**, selecione ou digite o caminho para os arquivos do driver de dispositivo no CD e, em seguida, clique em **OK**.

    **Nota:** Se o Windows não conseguir encontrar os arquivos do Adaptador Gráfico NVIDIA, certifique-se de que o caminho para o CD-ROM esteja correto e o CD correto esteja inserido.
15. Selecione, no CD, o sistema operacional que você está utilizando. Quando o Windows encontrar os arquivos, clique em **OK.** O Windows copia os arquivos para o disco rígido.
16. Clique em **Aplicar**, clique em **OK** e, em seguida, clique em **Aplicar**.
17. Clique em **Sim** para reiniciar o computador.

## Instalando os Drivers de Dispositivo no Windows 98

Se você utiliza o Windows 98, siga estas instruções para instalar os drivers de dispositivo:

1. Inicie o Windows 98.
2. Clique em **Iniciar**, clique em **Configurações** e, em seguida, clique em **Painel de Controle**.
3. Dê um clique duplo em **Vídeo** e, em seguida, clique na guia **Configurações**.
4. Clique em **Avançado**, clique na guia **Adaptador** e, em seguida, clique em **Alterar**.
5. Clique em **Avançar**, clique em **Exibir uma lista de todos os drivers** e, em seguida, clique em **Avançar**.
6. Clique em **Mostrar todo o hardware**.
7. Na lista de Fabricantes, selecione **Tipos de vídeo padrão**.
8. Na lista Modelos, selecione **Adaptador Gráfico PCI Padrão (VGA)** e, em seguida, clique em **Avançar**.
9. Clique em **Avançar** para instalar o driver e, em seguida, clique em **Concluir**.
10. Clique em **Aplicar**, em seguida, clique em **Fechar**.
11. Encerre o sistema operacional e desligue o computador.
12. Remova o adaptador gráfico anterior e insira o novo.
13. Quando o Windows 98 for reiniciado, clique em **Iniciar**, clique em **Configurações** e, em seguida, clique em **Painel de Controle**.
14. Dê um clique duplo em **Vídeo** e, em seguida, clique na guia **Configurações**.
15. Clique em **Avançado**, clique na guia **Adaptador** e, em seguida, clique em **Alterar**.
16. Clique em **Avançar**, clique em **Exibir uma lista de todos os drivers** e, em seguida, clique em **Avançar**.
17. Insira o CD. Clique em **Com Disco**, selecione ou digite o caminho para os arquivos do driver de dispositivo no CD e, em seguida, clique em **OK**.

    **Nota:** Se o Windows não conseguir encontrar os arquivos do Adaptador Gráfico NVIDIA, certifique-se de que o caminho para o CD-ROM esteja correto e o CD correto esteja inserido.
18. Selecione, no CD, o sistema operacional que você está utilizando. Quando o Windows encontrar os arquivos, clique em **OK** e, em seguida, clique em **Avançar**. O Windows copia os arquivos para o disco rígido.
19. Clique em **Concluir**, clique em **Aplicar** e, em seguida, clique em **Fechar**.
20. Clique em **Sim** para reiniciar o computador.

## Instalando os Drivers de Dispositivo no Windows 2000

Se você utiliza o Windows 2000, siga estas instruções para instalar os drivers de dispositivo:
1. Encerre o sistema operacional e desligue o computador.
2. Remova o adaptador gráfico anterior e insira o novo.
3. Inicie o Windows 2000.
4. Clique em **Iniciar**, clique em **Configurações** e, em seguida, clique em **Painel de Controle**.

5. Dê um clique duplo em **Vídeo** e, em seguida, clique na guia **Configurações**.
6. Clique em **Avançado**, clique na guia **Adaptador** e, em seguida, clique em **Propriedades**.
7. Clique na guia **Driver** e, em seguida, clique em **Atualizar Driver.**
8. Clique em **Avançar**.
9. Selecione **Exibir uma lista de drivers conhecidos.**
10. Clique em **Com Disco**.
11. Insira o CD e, em seguida, selecione ou digite o caminho para o CD-ROM.
12. Clique em **Procurar**, clique em **Abrir** e, em seguida, clique em **OK**.
13. Na lista Modelos, selecione **NVIDIA GeForce2 MX** e, em seguida, clique em **Avançar**.

    **Nota:** Se o Windows não conseguir encontrar os arquivos do Adaptador Gráfico NVIDIA, certifique-se de que o caminho para o CD-ROM esteja correto e o CD correto esteja inserido.
14. Clique em **Avançar** e, em seguida, clique em **Concluir**.
15. Clique em **Sim** para reiniciar o computador.

## Instalando os Drivers de Dispositivo no Windows NT

Se você utiliza o Windows NT, siga estas instruções para instalar os drivers de dispositivo:
1. Inicie o Windows NT.
2. Clique em **Iniciar**, clique em **Configurações** e, em seguida, clique em **Painel de Controle**.
3. Dê um clique duplo em **Vídeo** e, em seguida, clique na guia **Configurações**.
4. Clique em **Tipo de Vídeo**.
5. Clique em **Alterar**.
6. Selecione **Tipo de vídeo padrão** na lista de Fabricantes e **Placa de vídeo compatível com VGA** na lista de Vídeos.
7. Clique em **OK** e, em seguida, clique em **OK.**
8. Feche as janelas, encerre o sistema operacional e desligue o computador.
9. Remova o adaptador gráfico anterior e insira o novo.
10. Ligue o computador.
11. Inicie o Windows NT.
12. Quando o Windows NT for reiniciado, clique em **Iniciar**, clique em **Configurações** e, em seguida, clique em **Painel de Controle**.
13. Dê um clique duplo em **Vídeo** e, em seguida, clique na guia **Configurações**.
14. Clique em **Tipo de Vídeo** e, em seguida, clique em **Alterar**.
15. Insira o CD. Clique em **Com Disco**.
16. Clique em **Procurar** e clique na unidade de CD-ROM.
17. Dê um clique duplo em **Drivers**, dê um clique duplo em **GeForce2 MX** e dê um clique duplo no sistema operacional.

**Nota:** Se o Windows não conseguir encontrar os arquivos do Adaptador Gráfico NVIDIA, certifique-se de que o caminho para o CD-ROM esteja correto e o CD correto esteja inserido.

18. Clique em **Abrir** e, em seguida, clique em **OK**.
19. Selecione **NVIDIA GeForce2 MX** e clique em **Sim** para copiar os arquivos. Os arquivos são copiados para o disco rígido.
20. Clique em **OK**, feche as janelas e, em seguida, clique em **Sim** para reiniciar o computador. O computador é reiniciado.

## Instalando os Drivers de Dispositivo no Windows Me

Se você utiliza o Windows Me, siga estas instruções para instalar os drivers de dispositivo:

1. Inicie o Windows Me.
2. Clique em **Iniciar**, clique em **Configurações** e, em seguida, clique em **Painel de Controle**.
3. Dê um clique duplo em **Vídeo** e, em seguida, clique na guia **Configurações**.
4. Clique em **Avançado**, selecione a guia **Adaptador** e, em seguida, clique em **Alterar**.
5. Selecione **Especificar a localização do driver (Avançado)** e, em seguida, clique em **Avançar**.
6. Selecione **Exibir uma lista de drivers** e, em seguida, clique em **Avançar**.
7. Selecione **Mostrar todo o hardware**.
8. Na lista de Fabricantes, selecione **Tipos de vídeo padrão**.
9. Na lista Modelos, selecione **Adaptador Gráfico PCI Padrão (VGA)** e, em seguida, clique em **Avançar**.
10. Clique em **Avançar** e, em seguida, clique em **Concluir**.
11. Encerre o sistema operacional e reinicie o computador.
12. Remova o adaptador gráfico anterior e insira o novo.
13. Quando o Windows Me for reiniciado, clique em **Iniciar**, clique em **Configurações** e, em seguida, clique em **Painel de Controle**.
14. Dê um clique duplo em **Vídeo** e, em seguida, clique na guia **Configurações**.
15. Clique em **Avançado**, clique na guia **Adaptador** e, em seguida, clique em **Alterar**.
16. Selecione **Especificar a localização do driver** e, em seguida, clique em **Avançar**.
17. Selecione **Exibir uma lista de drivers** e, em seguida, clique em **Avançar**.
18. Selecione **Mostrar todo o hardware**.
19. Insira o CD. Clique em **Com Disco**, selecione ou digite o caminho para os arquivos do driver de dispositivo no CD.
20. Clique em **Procurar**, dê um clique duplo em **Drivers** e, em seguida, dê um clique duplo em **GeForce2 MX.**

**Nota:** Se o Windows não conseguir encontrar os arquivos do Adaptador Gráfico NVIDIA, certifique-se de que o caminho para o CD-ROM esteja correto e o CD correto esteja inserido.

21. **Dê um clique duplo** no sistema operacional que você está utilizando e clique em **OK**.

22. Clique em **OK**, clique em **OK** e, em seguida, clique em **Avançar**. O Windows copia os arquivos.

23. Uma vez copiados, clique em **Concluir** e, em seguida, clique em **Sim** para reiniciar o computador.

## Instruções para Remoção de Instalação

Siga estas instruções para remover a instalação dos drivers de dispositivo:

1. Clique em **Iniciar**, selecione **Configurações** e, em seguida, clique em **Painel de Controle**.

2. Dê um clique duplo em **Adicionar ou Remover Programas**, em seguida, selecione **Extensão de Propriedades de Vídeo NVIDIA**. Para Windows NT, selecione **Drivers de Vídeo NVIDIA do Windows NT 4.0**.

3. Clique em **Adicionar/Remover**.

4. Clique em **Sim** para confirmar que você deseja remover os drivers de dispositivo.

5. Clique em **Sim** para reiniciar o computador.

# 安裝手冊

本章節內含產品說明和安裝 NVIDIA 圖形配接卡與其軟體的相關資訊。

## 產品說明

NVIDIA 圖形配接卡使用 GeForce2 MX™ 處理器,提供您高效能的數位影像與 3D 圖形。本圖形配接卡具備以 256 位元處理 3D 立體和 2D 平面圖形加速的作業能力。該配接卡同時還搭載了第二代轉換及亮度處理的繪圖引擎。此外,其 MPEG-2/DVD 動畫補償的特性更提供您播放全影像動畫的強化功能。

本圖形配接卡使用「加速圖形移轉」 (Accelerated Graphics Port,AGP) 4X 的最新技術。同時還具備每秒 700-Mtexel 的填色率以及 20 Mtriangles 的功能。視訊處理的能力可以支援多種應用程式,包括 3D 遊戲和視訊會議等。本圖形配接卡同時也支援數位式監視器上所使用的 DVI-D 介面。

除了本手冊外,選用設備包裝中還包含下列各項:
- 圖形配接卡
- 搭載 GeForce2 MX 處理晶片的 NVIDIA 圖形配接卡安裝光碟
- 安全資訊手冊

## 準備安裝

在安裝圖形配接卡之前,請務必採取下列預防措施以避免靜電損及配接卡上的電子零件:
- 在接觸任何電子零件之前,請先採取釋放人身靜電的安全措施。方法是用手接觸電腦金屬外框的部份。
- 除非您已經準備要安裝圖形配接卡,否則應將配接卡保存在防靜電的包裝容器中。而當您將配接卡從電腦中拆卸下來之後,也應將配接卡安置於原來的防靜電包裝中。
- 在處理搬運圖形配接卡時,應以手持配接卡邊緣的部份而避免接觸其中的電路或元件。

## 安裝 NVIDIA 圖形配接卡

若要安裝 NVIDIA 圖形配接卡：

1. 關閉所有的附屬裝置的電源；然後關閉電腦的電源。拔掉電腦以及附屬裝置所有的電線及電源線。拆除電腦的外殼。有關如何拆卸您電腦外殼的說明，請參閱隨附於電腦包裝中的文件。

   如果您使用的是 IBM® 的電腦，有關開啟電腦外殼、拆卸原有的配接卡和在擴充槽上安裝新配接卡的相關作業，請參閱使用手冊中的相關節章。

2. 先移除原先安裝的圖形配接卡。如果您電腦並沒有外接式的圖形配接卡，而是在主機板上內建有 VGA 圖形作業能力，則請先確認已停用 VGA 圖形的作業能力。有關如何停用使用電腦中 VGA 圖形作業能力的相關資訊，請參閱隨附於您電腦包裝中的相關文件。

3. 選擇 AGP 擴充槽。

   **警告：** 如果將圖形配接卡插入規格錯誤的插槽中，可能會損壞配接卡或電腦本身。

   若要識別您電腦中的擴充槽型式以及所有的位置，請參閱隨附於您雷腦包裝中的文件。

   **警告：** 請務將連接器接腳旁的塑膠卡栓也插入擴充槽中。

4. 移除所要使用擴充槽後方的擴充槽蓋板。妥善保存卸下來的螺絲與安裝托架。

5. 將圖形配接卡安置於所要使用的擴充槽上方。將圖形配接卡向下壓入插槽內，應確定配接卡已穩固插入插槽中。

6. 使用由擴充槽蓋板所卸下的螺絲，將圖形配接卡的托架固定於電腦外框上，上緊螺絲。

7. 回裝電腦的外殼。

8. 如果您所使用數位式或類比式監視器有 DVI 接頭，請直接將此接頭插入圖形配接卡上的接頭。再將監視器接線另一端的接頭插備您監視器上對應的接頭插孔中。

   請參閱隨附於您監視器的說明文件，以確定監視器已正確地安裝。

9. 將其它附屬裝置與電腦之間的配線插好。連接電腦、監視器以其它附屬裝置的電源線插到電源插座上；然後開啟電腦及所有附屬裝置的電源。

## 安裝裝置驅動程式

本章節提供您有關安裝 NVADIA 圖形配接卡裝置驅動程式的說明資訊。這些說明係針對在 Microsoft® Windows® 95、Windows 98、Microsoft Windows 2000 Professional、Microsoft Windows NT® Workstation 及 Microsoft Windows Millennium Edition (Me) 等作業環境中安裝裝置驅動程式的相關說明。請參考您所使用作業系統相關的章節。

## 安裝 Windows 95 的裝置驅動程式

如果您使用的是 Windows 95，請遵循下列說明來安裝您的裝置驅動程式：

1. 啟動 Windows 95。
2. 按一下**開始**按鈕，然後按**設定**，接著再按**控制台**。

3. 連按兩下**顯示器**,然後選取**設定**。
4. 按一下**進階內容**,然後選取**配接卡**,接著再按**變更**。
5. 選取**顯示所有的裝置**。
6. 在「製造廠商」清單中,選取「標準的視訊卡類型」。
7. 從清單中選取 **Standard PCI Graphics Adapter (VGA)**,然後按一下**確定**。
8. 按一下**套用**,然後按**確定**,接著再按**套用**。
9. 請先停止作業系統再關機。
10. 請移除先前的圖形配接卡再插入新卡。
11. 當 Windows 95 重新啟動後,按一下**開始**,再按**設定**,接著再按**控制台**。
12. 連按兩下**顯示器**,然後再按**設定**標籤。
13. 按一下**進階內容**,選擇**配接卡**標籤,然後再按**變更**。
14. 請插入光碟。按一下**從磁片安裝**,然後以選取或輸入的方式指定光碟上裝置驅動程式所在的路徑,然後再按一下**確定**。

    **註:** 如果 Windows 找不到 NVIDIA 圖形配接卡驅動程式的檔案,請檢查是否指定了正確的光碟機路徑,或是否放入正確的光碟。
15. 從光碟中選擇您所使用的作業系統。當 Windows 找到所需的檔案時,請按一下**確定**。Windows 會自動將所需的檔案複製到硬碟中。
16. 按一下**套用**,然後按**確定**,接著再按**套用**。
17. 按一下**是**,重新啟動電腦。

## 安裝 Windows 98 的裝置驅動程式

如果您使用的是 Windows 98,請遵循下列說明來安裝您的裝置驅動程式:
1. 啟動 Windows 98。
2. 按一下**開始**,然後按**設定**,接著再按**控制台**。
3. 連按兩下**顯示器**,然後再按**設定**標籤。
4. 按一下**進階**,再按**配接卡**標籤,接著再按**變更**。
5. 按一下**下一步**,再按**顯示所有驅動程式名單,我要自己選擇適合的驅動程式**,然後再按**下一步**。
6. 按一下**顯示所有的裝置**。
7. 在「製造廠商」清單中,選取「標準的視訊卡類型」。
8. 從「型號」清單中選取 **Standard PCI Graphics Adapter (VGA)**,然後再按**下一步**。
9. 按一下**下一步**,即會安裝驅動程式,接著再按**完成**。
10. 按一下**套用**,接著再按**關閉**。
11. 請先停止作業系統再關機。
12. 請移除先前的圖形配接卡再插入新卡。
13. 當 Windows 98 重新啟動後,按一下**開始**,然後再按**設定**,接著再按**控制台**。
14. 連按兩下**顯示器**,然後再按**設定**標籤。
15. 按一下**進階**,再按**配接卡**標籤,接著再按**變更**。
16. 按一下**下一步**,再按**顯示所有驅動程式名單,我要自己選擇適合的驅動程式**,接著再按**下一步**。
17. 請插入光碟。按一下**從磁片安裝**,然後以選取或輸入的方式指定光碟上裝置驅動程式所在的路徑,然後再按一下**確定**。

註: 如果 Windows 找不到 NVIDIA 圖形配接卡驅動程式的檔案,請檢查是否
　　　　　　指定了正確的光碟機路徑,或是否放入正確的光碟。
18. 從光碟中選擇您所使用的作業系統。當 Windows 找到所需的檔案時,請按一下
　　 **確定**,接著再按**下一步**。Windows 會自動將所需的檔案複製到硬碟中。
19. 按一下**完成**,再按**套用**,接著再按**關閉**。
20. 按一下**是**,重新啓動電腦。

## 安裝 **Windows 2000** 的裝置驅動程式
如果您使用的是 Windows 2000,請遵循下列說明來安裝您的裝置驅動程式:
1. 請先停止作業系統再關機。
2. 請移除先前的圖形配接卡再插入新卡。
3. 啓動 Windows 2000。
4. 按一下**開始**,然後按**設定**,接著再按**控制台**。
5. 連按兩下**顯示**,然後再按**設定值**標籤。
6. 按一下**進階**,再按**介面卡**標籤,接著再按**內容**。
7. 按一下**驅動程式**標籤,接著再按**更新驅動程式**。
8. 按一下**下一步**。
9. 選取**請顯示這個裝置目前的驅動程式清單,讓我從清單中指定驅動程式**。
10. 按一下**從磁片安裝**。
11. 請插入光碟,然後以選取或輸入的方式指定光碟機的路徑。
12. 按一下**瀏覽**,然後再按**開啓**,接著再按**確定**。
13. 從「機型」清單中選取 **NVIDIA GeForce2 MX**,然後再按**下一步**。

　　　　註: 如果 Windows 找不到 NVIDIA 圖形配接卡驅動程式的檔案,請檢查是否
　　　　　　指定了正確的光碟機路徑,或是否放入正確的光碟。
14. 按一下**下一步**,然後按**完成**。
15. 按一下**是**,重新啓動電腦。

## 安裝 **Windows NT** 的裝置驅動程式
如果您使用的是 Windows NT,請遵循下列說明來安裝您的裝置驅動程式:
1. 啓動 Windows NT。
2. 按一下**開始**,然後按**設定**,接著再按**控制台**。
3. 連按兩下**顯示**,然後再按**設定**標籤。
4. 按一下**顯示類型**。
5. 按一下**變更**。
6. 在「製造商」清單中,選取「**標準顯示類型**」,並在「顯示」清單中指定 **VGA**
　 **相容顯示卡**。
7. 按一下**確定**,在下一個畫面中,再按**確定**。
8. 關閉所有的視窗、停止作業系統再關機。
9. 請移除先前的圖形配接卡再插入新卡。
10. 開啓電腦的電源。
11. 啓動 Windows NT。
12. 當 Windows NT 重新啓動後,按一下**開始**,再按**設定**,接著再按**控制台**。
13. 連按兩下**顯示**,然後再按**設定**標籤。
14. 按一下**顯示器類型**,再按**變更**。
15. 請插入光碟。按一下**從磁片安裝**。
16. 按一下**瀏覽**後,再按光碟機。

17. 連按兩下**驅動程式**,再連按兩下 **GeForce2 MX**,接著再按兩下您所使用的作業系統名稱。

　　**註:** 如果 Windows 找不到 NVIDIA 圖形配接卡驅動程式的檔案,請檢查是否指定了正確的光碟機路徑,或是否放入正確的光碟。

18. 按一下**開啟**,再按一下**確定**。
19. 選取 **NVIDIA GeForce2 MX**,然後按一下**是**,系統會將所需的檔案複製到您的硬碟上。
20. 按一下**確定**並關閉所有視窗,然後按一下**是**,重新啟動電腦。電腦即可重新啟動。

## 安裝 Windows Me 的裝置驅動程式

如果您使用的是 Windows Me,請遵循下列說明來安裝您的裝置驅動程式:

1. 啟動 Windows Me。
2. 按一下**開始**,然後按**設定**,接著再按**控制台**。
3. 連按兩下**顯示**,然後再按**設定**標籤。
4. 按一下**進階**,然後選取**配接卡**標籤,接著再按**變更**。
5. 選取**指定驅動程式的位置 (進階)**,接著再按**下一步**。
6. 選取**顯示所有驅動程式名單,我要自己選擇適合的驅動程式**,然後再按**下一步**。
7. 選取**顯示所有的裝置**。
8. 從「製造廠商」清單中選取**標準顯示器類型**。
9. 從「型號」清單中選取 **Standard PCI Graphics Adapter (VGA)**,然後再按**下一步**。
10. 按一下**下一步**,然後按**完成**。
11. 請先停止作業系統再重新啟動電腦。
12. 請移除先前的圖形配接卡再插入新卡。
13. 當 Windows Me 重新啟動後,按一下**開始**,然後按**設定**,接著再按**控制台**。
14. 連按兩下**顯示**,然後再按**設定**標籤。
15. 按一下**進階**,再按**配接卡**標籤,接著再按**變更**。
16. 選取**指定驅動程式的位置**,然後再按**下一步**。
17. 選取**顯示所有驅動程式名單,我要自己選擇適合的驅動程式**,然後再按**下一步**。
18. 選取**顯示所有的裝置**。
19. 請插入光碟。按一下**從磁片安裝**,然後以選取或輸入的方式指定光碟上裝置驅動程式所在的路徑。
20. 按一下**瀏覽**,再連按兩下**驅動程式**,然後再連按兩下 **GeForce2 MX**。

　　**註:** 如果 Windows 找不到 NVIDIA 圖形配接卡驅動程式的檔案,請檢查是否指定了正確的光碟機路徑,或是否放入正確的光碟。

21. **連按兩下**您所使用的作業系統,然後按一下**確定**。
22. 按一下**確定**,再按一下**確定**,然後再按**下一步**。Windows 會開始複製檔案。
23. 一旦複製完成,請按一下**完成**,然後按**是**,即可重新啟動電腦。

## 解除安裝的說明

請遵循下列說明進行裝置驅動程式的解除安裝作業：

1. 按一下**開始**，然後按**設定**，接著再按**控制台**。
2. 連按兩下**新增/移除程式**，然後選取 **NVIDIA Display Properties Extension**。
   對 Windows NT 的使用者而言，請選取 **NVIDIA Windows NT 4.0 Display
   Drivers**。
3. 按一下**新增/移除**。
4. 按一下**是**，確認您想要移除所指定的裝置驅動程式。
5. 按一下**是**，重新啓動電腦。

# インストール・ガイド

ここには、NVIDIA グラフィックス・アダプターおよびソフトウェアの製品説明およびインストール手順が記載されています。

## 製品説明

NVIDIA グラフィックス・アダプターは GeForce2 MX™ プロセッサーを使用することにより、ディジタル・ビデオおよび 3D グラフィックスに抜群の高性能を実現できます。グラフィックス・アダプターには、3D および 2D のグラフィックス・アクセラレーション用の 256 ビットのグラフィックス処理が用意されています。第 2 世代の Transform and Lighting エンジンも用意されています。グラフィックス・アダプターの MPEG-2/DVD モーション補正機能によりフルモーション・ビデオ再生が強化されます。

本グラフィックス・アダプターは、AGP (Accelerated Graphics Port) 4X テクノロジーを使用しています。また、1 秒のセットアップにつき 700 Mtexel の塗りつぶし速度および 20 Mtriangle の性能を有します。ビデオのパフォーマンスは、3D ゲームからビデオ会議までの範囲のアプリケーションを使用可能にします。グラフィックス・アダプターは、ディジタル・モニター上で DVI-D インターフェースもサポートします。

オプション・パッケージには、本書のほかにも、次のものが含まれています。
- グラフィックス・アダプター
- Installation CD for NVIDIA Graphics Adapter with GeForce2 MX processor
- 安全上の注意の資料

## インストールのための準備

グラフィックス・アダプターを取り付ける前に、電子部分が静電気により損傷されないように、以下の予防措置をとる必要があります。
- 電子部分に触る前に、身体から静電気を除去してください。身体の静電気は、コンピューターの金属フレームに触ると除去できます。
- グラフィックス・アダプターを取り付ける準備が整うまで、静電気防止パッケージから取り出さないでください。コンピューターからアダプターを取り外したら、元の静電気防止パッケージに戻します。
- グラフィックス・アダプターを取り扱う際には、カードの端をもち、アダプターの回路部分に触れないようにしてください。

# NVIDIA グラフィックス・アダプターの取り付け

NVIDIA グラフィックス・アダプターを取り付けるには、次のように行います。

1. すべての接続装置の電源を切ってから、コンピューターの電源を切ります。すべてのコードおよび電源ケーブルをコンピューターおよびすべての接続装置から抜きます。コンピューターからカバーを取り外します。コンピューターからカバーを取り外す方法については、コンピューターに付属の資料を参照してください。

   IBM® コンピューターの場合は、コンピューター・カバーの開け方、既存のアダプターの取り外し方、拡張スロットへのアダプターの取り付け方については、ユーザー・ガイドを参照してください。

2. 以前に取り付けられているグラフィックス・アダプターを取り外します。他にグラフィックス・アダプターがないが、コンピューター・システム・ボードに組み込み VGA グラフィックス機能が付いている場合は、VGA グラフィックス機能が使用不可になっていることを確認してください。コンピューターの VGA グラフィックス機能を使用不可にする情報については、コンピューターに付属の資料を参照してください。

3. AGP 拡張スロットを選択します。

   **考慮事項:** グラフィックス・アダプターを正しくないタイプのスロットに挿入すると、アダプターまたはコンピューター、あるいはその両方が損傷する場合があります。

   コンピューターの各タイプの拡張スロットの位置を確認するためには、コンピューターに付属の資料を参照してください。

   **考慮事項:** コネクター・ピンの横にあるプラスチック・タブを拡張スロットに挿入しないでください。

4. 使用したい拡張スロットの拡張スロット・カバーを取り外します。ねじは、取り付け金具と一緒に使用するために取っておいてください。

5. 選択した拡張スロットの上にグラフィックス・アダプターを置きます。グラフィックス・アダプターがスロットに完全に装着されるまで、しっかりと、均等に押します。

6. 拡張スロット・カバーから外したねじを使用して、グラフィックス・アダプターの取り付け金具をコンピューターのフレームに取り付けます。

7. カバーを元どおりにコンピューターに取り付けます。

8. DVI コネクター付きのディジタル・モニターまたはアナログ・モニターを装備している場合は、モニター・ケーブルのプラグをグラフィックス・アダプター・コネクターに直接差し込みます。モニター・ケーブルのもう一方のプラグは、モニターに差し込みます。

   モニターに付属の資料を参照して、モニターが正しくセットアップされているか確認してください。

9. その他の接続装置のケーブル・プラグをコンピューターに差し込みます。コンピューター、モニター、およびその他の接続装置の電源ケーブルのプラグをコンセントに差し込み、コンピューターおよびすべての接続装置の電源を入れます。

## デバイス・ドライバーのインストール

ここでは、NVIDIA グラフィックス・アダプター用のデバイス・ドライバーをインストールする手順が記載されています。これらの手順は、Microsoft® Windows® 95、 Windows 98、Microsoft Windows 2000 Professional、Microsoft Windows NT® Workstation および Microsoft Windows Millennium Edition (Me) にインストールするためのものです。 使用するオペレーティング・システムの節を参照してください。

## Windows 95 用デバイス・ドライバーのインストール

Windows 95 を使用している場合は、以下の手順に従ってデバイス・ドライバーをインストールしてください。
 1. Windows 95 を始動します。
 2. 「スタート」ボタンをクリックし、「設定」をクリックして、「コントロール パネル」をクリックします。
 3. 「画面」をダブルクリックし、「ディスプレイの詳細」を選択します。
 4. 「詳細プロパティ」をクリックし、「アダプタ」を選択して、「変更」をクリックします。
 5. 「すべてのデバイスを表示」を選択します。
 6. 製造元リストから「(スタンダード ディスプレイ)」を選択します。
 7. リストから「スタンダード PCI グラフィックス アダプタ (VGA)」を選択してから、「OK」をクリックします。
 8. 「適用」をクリックし、「OK」をクリックして、「適用」をクリックします。
 9. Windows 95 を終了して、電源を切ります。
10. 取り付けられているグラフィックス・アダプターを取り外し、新しいアダプターを取り付けます。
11. Windows 95 が再始動したら、「スタート」をクリックし、「設定」をクリックしてから、「コントロール パネル」をクリックします。
12. 「画面」をダブルクリックしてから、「ディスプレイの詳細」タブをクリックします。
13. 「詳細プロパティ」をクリックし、「アダプタ」タブをクリックして、「変更」をクリックします。
14. CD を挿入します。「ディスク使用」をクリックし、CD 上のデバイス・ドライバー・ファイルへのパスを選択するか、入力して、「OK」をクリックします。

> 注: Windows が NVIDIA グラフィックス・アダプター用のファイルを見つけることができない場合は、 CD-ROM 用のパスが正しいこと、および正しい CD が挿入されていることを確認します。

15. ご使用のオペレーティング・システムを CD から選択します。Windows が ファイルを見つけたら、**「OK」**をクリックします。Windows は、ファイル をハード・ディスクにコピーします。
16. **「適用」**をクリックし、**「OK」**をクリックして、**「適用」**をクリックします。
17. **「はい」**をクリックして、コンピューターを再始動します。

## Windows 98 用デバイス・ドライバーのインストール

Windows 98 を使用している場合は、以下の手順に従ってデバイス・ドライバー をインストールしてください。
 1. Windows 98 を始動します。
 2. **「スタート」**をクリックし、**「設定」**をクリックして、**「コントロール パ ネル」**をクリックします。
 3. **「画面」**をダブルクリックしてから、**「設定」**タブをクリックします。
 4. **「詳細」**をクリックし、**「アダプタ」**タブをクリックしてから、**「変更」**を クリックします。
 5. **「次へ」**をクリックし、**「特定の場所にあるすべてのドライバの一覧を作成 し、インストールするドライバを選択する」**をクリックして、**「次へ」**をク リックします。
 6. **「すべてのハードウェアを表示」**をクリックします。
 7. 製造元のリストから**「(標準ディスプレイ)」**を選択します。
 8. モデルのリストから**「標準 PCI グラフィック アダプタ (VGA)」**を選択し て、**「次へ」**をクリックします。
 9. **「次へ」**をクリックしてドライバーをインストールし、**「完了」**をクリック します。
10. **「適用」**をクリックして、**「閉じる」**をクリックします。
11. Windows 98 を終了して、電源を切ります。
12. 取り付けられているグラフィックス・アダプターを取り外し、新しいアダプ ターを取り付けます。
13. Windows 98 が再始動したら、**「スタート」**をクリックし、**「設定」**をクリ ックして、**「コントロール パネル」**をクリックします。
14. **「画面」**をダブルクリックしてから、**「設定」**タブをクリックします。
15. **「詳細」**をクリックし、**「アダプタ」**タブをクリックしてから、**「変更」**を クリックします。
16. **「次へ」**をクリックし、**「特定の場所にあるすべてのドライバの一覧を作成 し、インストールするドライバを選択する」**をクリックして、**「次へ」**をク リックします。
17. CD を挿入します。**「ディスク使用」**をクリックし、CD 上のデバイス・ド ライバー・ファイルへのパスを選択するか、入力して、**「OK」**をクリック します。

> **注:** Windows が NVIDIA グラフィックス・アダプター用のファイルを見つ けることができない場合は、 CD-ROM 用のパスが正しいこと、および 正しい CD が挿入されていることを確認します。

18. ご使用のオペレーティング・システムを CD から選択します。Windows が
    ファイルを見つけたら、 「**OK**」をクリックして、 「**次へ**」をクリックしま
    す。 Windows は、ファイルをハード・ディスクにコピーします。
19. 「**完了**」をクリックし、「**適用**」をクリックして、 「**閉じる**」をクリックし
    ます。
20. 「**はい**」をクリックして、コンピューターを再始動します。

## Windows 2000 用デバイス・ドライバーのインストール
Windows 2000 を使用している場合は、以下の手順に従ってデバイス・ドライバ
ーをインストールしてください。
 1. Windows を終了して、電源を切ります。
 2. 取り付けられているグラフィックス・アダプターを取り外し、新しいアダプ
    ターを取り付けます。
 3. Windows 2000 を始動します。
 4. 「**スタート**」をクリックし、 「**設定**」をクリックして、 「**コントロール パ
    ネル**」をクリックします。
 5. 「**画面**」をダブルクリックしてから、 「**設定**」タブをクリックします。
 6. 「**詳細**」をクリックし、 「**アダプタ**」タブをクリックし、次いで「**プロパテ
    ィ**」をクリックします。
 7. 「**ドライバ**」タブをクリックし、次いで「**ドライバの更新**」をクリックしま
    す。
 8. 「**次へ**」をクリックします。
 9. 「**このデバイスの既知のドライバを表示して、その一覧から選択する**」を選
    択します。
10. 「**ディスク使用**」をクリックします。
11. CD を選択してから、CD-ROM へのパスを選択するか、入力します。
12. 「**参照**」をクリックし、 「**開く**」をクリックして、 「**OK**」をクリックしま
    す。
13. モデルのリストから「**NVIDIA GeForce2 MX**」を選択して、 「**次へ**」をク
    リックします。

    注: Windows が NVIDIA グラフィックス・アダプター用のファイルを見つ
        けることができない場合は、 CD-ROM 用のパスが正しいこと、および
        正しい CD が挿入されていることを確認します。
14. 「**次へ**」をクリックして、 「**完了**」をクリックします。
15. 「**はい**」をクリックして、コンピューターを再始動します。

## Windows NT 用デバイス・ドライバーのインストール
Windows NT を使用している場合は、以下の手順に従ってデバイス・ドライバ
ーをインストールしてください。
 1. Windows NT を始動します。
 2. 「**スタート**」をクリックし、 「**設定**」をクリックして、 「**コントロール パ
    ネル**」をクリックします。
 3. 「**画面**」をダブルクリックし、 「**ディスプレイの設定**」タブをクリックしま
    す。
 4. 「**ディスプレイの種類**」をクリックします。
 5. 「**変更**」をクリックします。

6. 製造元のリストから「**(標準ディスプレイの種類)**」を選択し、Display リストから「**VGA 互換ディスプレイ アダプタ**」を選択します。
7. 「**OK**」をクリックし、「**OK**」をクリックします。
8. 開いているウィンドウを閉じて、Windows NT を終了し、電源を切ります。
9. 取り付けられているグラフィックス・アダプターを取り外し、新しいアダプターを取り付けます。
10. 電源を入れます。
11. Windows NT を始動します。
12. Windows NT が再始動したら、「**スタート**」をクリックし、「**設定**」をクリックしてから、「**コントロール パネル**」をクリックします。
13. 「**画面**」をダブルクリックしてから、「**ディスプレイの設定**」タブをクリックします。
14. 「**ディスプレイの種類**」をクリックして、「**変更**」をクリックします。
15. CD を挿入します。「**ディスク使用**」をクリックします。
16. 「**参照**」をクリックして、CD-ROM ドライブをクリックします。
17. 「**ドライバ**」をダブルクリックし、「**GeForce2 MX**」をダブルクリックして、ご使用のオペレーティング・システムをダブルクリックします。

    **注:** Windows が NVIDIA グラフィックス・アダプター用のファイルを見つけることができない場合は、CD-ROM 用のパスが正しいこと、および正しい CD が挿入されていることを確認します。
18. 「**開く**」をクリックして、「**OK**」をクリックします。
19. 「**NVIDIA GeForce2 MX**」を選択し、ファイルをコピーするために「**はい**」をクリックします。ファイルがハード・ディスクにコピーされます。
20. 「**はい**」をクリックして、コンピューターを再始動します。コンピューターが再始動します。

## Windows Me 用デバイス・ドライバーのインストール

Windows Me を使用している場合は、以下の手順に従ってデバイス・ドライバーをインストールしてください。
1. Windows Me を始動します。
2. 「**スタート**」をクリックし、「**設定**」をクリックして、「**コントロール パネル**」をクリックします。
3. 「**画面**」をダブルクリックしてから、「**設定**」タブをクリックします。
4. 「**詳細**」をクリックし、「**アダプタ**」タブを選択して、「**変更**」をクリックします。
5. 「**ドライバの場所を指定する (詳しい知識のある方向け)**」を選択してから、「**次へ**」をクリックします。
6. 「**特定の場所にあるすべてのドライバの一覧を表示し、インストールするドライバを選択する**」を選択して、「**次へ**」をクリックします。
7. 「**すべてのハードウェアを表示**」を選択します。
8. 製造元のリストから「**(標準ディスプレイ)**」を選択します。
9. モデルのリストから「**標準 PCI グラフィック アダプタ (VGA)**」を選択して、「**次へ**」をクリックします。
10. 「**次へ**」をクリックして、「**完了**」をクリックします。

11. Windows Me を終了して、コンピューターを再始動します。
12. 取り付けられているグラフィックス・アダプターを取り外し、新しいアダプターを取り付けます。
13. Windows Me が再始動したら、「スタート」をクリックし、「設定」をクリックしてから、「コントロール パネル」をクリックします。
14. 「画面」をダブルクリックしてから、「設定」タブをクリックします。
15. 「詳細」をクリックし、「アダプタ」タブをクリックしてから、「変更」をクリックします。
16. 「ドライバの場所を指定する (詳しい知識のある方向け) 」を選択してから、「次へ」をクリックします。
17. 「特定の場所にあるすべてのドライバの一覧を表示し、インストールするドライバを選択する」を選択して、「次へ」をクリックします。
18. 「すべてのハードウェアを表示」を選択します。
19. CD を挿入します。「ディスク使用」をクリックし、CD 上のデバイス・ドライバー・ファイルへのパスを選択するか、入力します。
20. 「参照」をクリックし、「ドライバ」をダブルクリックしてから、「GeForce2 MX」をダブルクリックします。

    注: Windows が NVIDIA グラフィックス・アダプター用のファイルを見つけることができない場合は、CD-ROM 用のパスが正しいこと、および正しい CD が挿入されていることを確認します。
21. ご使用のオペレーティング・システムをダブルクリックし、「OK」をクリックします。
22. 「OK」をクリックし、「OK」をクリックしてから、「次へ」をクリックします。Windows はファイルをコピーします。
23. コピーされたら、「完了」をクリックし、「はい」をクリックしてコンピューターを再始動します。

## アンインストール手順
デバイス・ドライバーをアンインストールするには、以下の手順に従ってください。
1. 「スタート」をクリックし、「設定」を選択して、「コントロール パネル」をクリックします。
2. 「アプリケーションの追加と削除」をダブルクリックしてから、「NVIDIA Display Properties Extension」を選択します。Windows NT の場合は、「NVIDIA Windows NT 4.0 Display Drivers」を選択します。
3. 「追加と削除」をクリックします。
4. 「はい」をクリックして、デバイス・ドライバーを削除したいことを確認します 。
5. 「はい」をクリックして、コンピューターを再始動します。

# Appendix A. Help and service information

This section contains information on how to obtain online and telephone technical support.

## Online technical support

Online technical support is available during the life of your product. Online assistance can be obtained through the Personal Computing Support Web site and the IBM Automated Fax System.

| *Online technical support* | |
|---|---|
| IBM Personal Computing Support Web site | http://www.ibm.com/pc/support |
| IBM Automated Fax System | 1-800-426-3395 (U.S. and Canada) |

During the warranty period, assistance for replacement or exchange of defective components is available. In addition, if your IBM option is installed in an IBM computer, you might be entitled to service at your location. Your technical support representative can help you determine the best alternative.

## Telephone technical support

Installation and configuration support through the HelpCenter will be withdrawn or made available for a fee, at IBM's discretion, 90 days after the option has been withdrawn from marketing. Additional support offerings, including step-by-step installation assistance, are available for a nominal fee.

To assist the technical support representative, have available as much of the following information as possible:

- Option name
- Option number
- Proof of purchase
- Computer manufacturer, model, serial number (if IBM), and manual
- Exact wording of the error message (if any)
- Description of the problem
- Hardware and software configuration information for your system

If possible, be at your computer. Your technical support representative might want to walk you through the problem during the call.

For the support telephone number and support hours by country, refer to the following table or to the enclosed technical support insert. Support phone numbers are also available by clicking **HelpCenter phone list** on the IBM support Web page at

http://www.ibm.com/pc/support

If the number is not provided, contact your IBM reseller or IBM marketing representative. Response time may vary depending on the number and nature of the calls received.

| *Support 24 hours a day, 7 days a week* | |
| --- | --- |
| Canada (Toronto only) | 416-383-3344 |
| Canada (all other) | 1-800-565-3344 |
| U.S.A. and Puerto Rico | 1-800-772-2227 |

# Appendix B. Product warranty and notices

This section contains product warranty information and notices.

## Warranty Statements

The warranty statements consist of two parts: Part 1 and Part 2. Part 1 varies by country. Part 2 is the same for both statements. Be sure to read both the Part 1 that applies to your country and Part 2.

- **United States, Puerto Rico, and Canada (Z125-4753-05 11/97)** (Part 1 - General Terms on page B-1)
- **Worldwide except Canada, Puerto Rico, Turkey, and United States (Z125-5697-01 11/97)** (Part 1 - General Terms on page B-5)
- **Worldwide Country-Unique Terms** (Part 2 - Country-Unique Terms on page B-8)

## IBM Statement of Limited Warranty for United States, Puerto Rico, and Canada (Part 1 - General Terms)

*This Statement of Warranty includes Part 1 - General Terms and Part 2 - Country-unique Terms.***The terms of Part 2 may replace or modify those of Part 1.***The warranties provided by IBM in this Statement of Warranty apply only to Machines you purchase for your use, and not for resale, from IBM or your reseller. The term ″Machine″ means an IBM machine, its features, conversions, upgrades, elements, or accessories, or any combination of them. The term ″Machine″ does not include any software programs, whether pre-loaded with the Machine, installed subsequently or otherwise. Unless IBM specifies otherwise, the following warranties apply only in the country where you acquire the Machine. Nothing in this Statement of Warranty affects any statutory rights of consumers that cannot be waived or limited by contract. If you have any questions, contact IBM or your reseller.*

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**Machine** - NVIDIA Graphics Adapter
**Warranty period**\* - One year

*\* Contact your place of purchase for warranty service information. Some IBM Machines are eligible for on-site warranty service depending on the country where service is performed.*

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**The IBM Warranty for Machines**

IBM warrants that each Machine 1) is free from defects in materials and workmanship and 2) conforms to IBM's Official Published Specifications. The warranty period for a Machine is a specified, fixed period commencing on its Date of Installation. The date on your sales receipt is the Date of Installation, unless IBM or your reseller informs you otherwise.

During the warranty period IBM or your reseller, if approved by IBM to provide warranty service, will provide repair and exchange service for the Machine, without charge, under the type of service designated for the Machine and will manage and install engineering changes that apply to the Machine.

If a Machine does not function as warranted during the warranty period, and IBM or your reseller are unable to either 1) make it do so or 2) replace it with one that is at least functionally equivalent, you may return it to your place of purchase and your money will be refunded. The replacement may not be new, but will be in good working order.

**Extent of Warranty**

The warranty does not cover the repair or exchange of a Machine resulting from misuse, accident, modification, unsuitable physical or operating environment, improper maintenance by you, or failure caused by a product for which IBM is not responsible. The warranty is voided by removal or alteration of Machine or parts identification labels.

**THESE WARRANTIES ARE YOUR EXCLUSIVE WARRANTIES AND REPLACE ALL OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THESE WARRANTIES GIVE YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM JURISDICTION TO JURISDICTION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF EXPRESS OR IMPLIED WARRANTIES, SO THE ABOVE EXCLUSION OR LIMITATION MAY NOT APPLY TO YOU. IN THAT EVENT, SUCH WARRANTIES ARE LIMITED IN DURATION TO THE WARRANTY PERIOD. NO WARRANTIES APPLY AFTER THAT PERIOD.**

**Items Not Covered by Warranty**

IBM does not warrant uninterrupted or error-free operation of a Machine.

Unless specified otherwise, IBM provides non-IBM machines **WITHOUT WARRANTIES OF ANY KIND.**

Any technical or other support provided for a Machine under warranty, such as assistance via telephone with "how-to" questions and those regarding Machine set-up and installation, will be provided **WITHOUT WARRANTIES OF ANY KIND.**

**Warranty Service**

To obtain warranty service for the Machine, contact your reseller or IBM. In the United States, call IBM at 1-800-772-2227. In Canada, call IBM at 1-800-565-3344. (In Toronto, call 416-383-3344.) You may be required to present proof of purchase.

IBM or your reseller provides certain types of repair and exchange service, either at your location or at a service center, to keep Machines in, or restore them to, conformance with their Specifications. IBM or your reseller will inform you of the available types of service for a Machine based on its country of installation. IBM may repair the failing Machine or exchange it at its discretion.

When warranty service involves the exchange of a Machine or part, the item IBM or your reseller replaces becomes its property and the replacement becomes yours. You represent that all removed items are genuine and unaltered. The replacement may not be new, but will be in good working order and at least functionally equivalent to the item replaced. The replacement assumes the warranty service status of the replaced item.

Any feature, conversion, or upgrade IBM or your reseller services must be installed on a Machine which is 1) for certain Machines, the designated, serial-numbered Machine and 2) at an engineering-change level compatible with the feature, conversion, or upgrade. Many features, conversions, or upgrades involve the removal of parts and their return to IBM. A part that replaces a removed part will assume the warranty service status of the removed part.

Before IBM or your reseller exchanges a Machine or part, you agree to remove all features, parts, options, alterations, and attachments not under warranty service.

You also agree to

1. ensure that the Machine is free of any legal obligations or restrictions that prevent its exchange;
2. obtain authorization from the owner to have IBM or your reseller service a Machine that you do not own; and
3. where applicable, before service is provided
   a. follow the problem determination, problem analysis, and service request procedures that IBM or your reseller provides,
   b. secure all programs, data, and funds contained in a Machine,
   c. provide IBM or your reseller with sufficient, free, and safe access to your facilities to permit them to fulfill their obligations, and
   d. inform IBM or your reseller of changes in a Machine's location.

IBM is responsible for loss of, or damage to, your Machine while it is 1) in IBM's possession or 2) in transit in those cases where IBM is responsible for the transportation charges.

Neither IBM nor your reseller is responsible for any of your confidential, proprietary or personal information contained in a Machine which you return to IBM or your reseller for any reason. You should remove all such information from the Machine prior to its return.

**Production Status**

Each IBM Machine is manufactured from new parts, or new and used parts. In some cases, the Machine may not be new and may have been previously installed. Regardless of the Machine's production status, IBM's appropriate warranty terms apply.

**Limitation of Liability**

Circumstances may arise where, because of a default on IBM's part or other liability, you are entitled to recover damages from IBM. In each such instance, regardless of the basis on which you are entitled to claim damages from IBM (including fundamental breach, negligence, misrepresentation, or other contract or tort claim), IBM is liable for no more than

1. damages for bodily injury (including death) and damage to real property and tangible personal property; and

2. the amount of any other actual direct damages, up to the greater of U.S. $100,000 (or equivalent in local currency) or the charges (if recurring, 12 months' charges apply) for the Machine that is the subject of the claim.

   This limit also applies to IBM's suppliers and your reseller. It is the maximum for which IBM, its suppliers, and your reseller are collectively responsible.

**UNDER NO CIRCUMSTANCES IS IBM LIABLE FOR ANY OF THE FOLLOWING: 1) THIRD-PARTY CLAIMS AGAINST YOU FOR DAMAGES (OTHER THAN THOSE UNDER THE FIRST ITEM LISTED ABOVE); 2) LOSS OF, OR DAMAGE TO, YOUR RECORDS OR DATA; OR 3) SPECIAL, INCIDENTAL, OR INDIRECT DAMAGES OR FOR ANY ECONOMIC CONSEQUENTIAL DAMAGES (INCLUDING LOST PROFITS OR SAVINGS), EVEN IF IBM, ITS SUPPLIERS OR YOUR RESELLER IS INFORMED OF THEIR POSSIBILITY. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.**

## IBM Statement of Warranty Worldwide except Canada, Puerto Rico, Turkey, United States (Part 1 - General Terms)

*This Statement of Warranty includes Part 1 - General Terms and Part 2 - Country-unique Terms.***The terms of Part 2 may replace or modify those of Part 1.** *The warranties provided by IBM in this Statement of Warranty apply only to Machines you purchase for your use, and not for resale, from IBM or your reseller. The term "Machine" means an IBM machine, its features, conversions, upgrades, elements, or accessories, or any combination of them. The term "Machine" does not include any software programs, whether pre-loaded with the Machine, installed subsequently or otherwise. Unless IBM specifies otherwise, the following warranties apply only in the country where you acquire the Machine. Nothing in this Statement of Warranty affects any statutory rights of consumers that cannot be waived or limited by contract. If you have any questions, contact IBM or your reseller.*

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**Machine** - NVIDIA Graphics Adapter
**Warranty period**\* - One Year

*\* Contact your place of purchase for warranty service information. Some IBM Machines are eligible for on-site warranty service depending on the country where service is performed.*

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**The IBM Warranty for Machines**

IBM warrants that each Machine 1) is free from defects in materials and workmanship and 2) conforms to IBM's Official Published Specifications. The warranty period for a Machine is a specified, fixed period commencing on its Date of Installation. The date on your sales receipt is the Date of Installation, unless IBM or your reseller informs you otherwise.

During the warranty period IBM or your reseller, if approved by IBM to provide warranty service, will provide repair and exchange service for the Machine, without charge, under the type of service designated for the Machine and will manage and install engineering changes that apply to the Machine.

If a Machine does not function as warranted during the warranty period, and IBM or your reseller are unable to either 1) make it do so or 2) replace it with one that is at least functionally equivalent, you may return it to your place of purchase and your money will be refunded. The replacement may not be new, but will be in good working order.

**Extent of Warranty**

The warranty does not cover the repair or exchange of a Machine resulting from misuse, accident, modification, unsuitable physical or operating environment, improper maintenance by you, or failure caused by a product for

which IBM is not responsible. The warranty is voided by removal or alteration of Machine or parts identification labels.

**THESE WARRANTIES ARE YOUR EXCLUSIVE WARRANTIES AND REPLACE ALL OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THESE WARRANTIES GIVE YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM JURISDICTION TO JURISDICTION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF EXPRESS OR IMPLIED WARRANTIES, SO THE ABOVE EXCLUSION OR LIMITATION MAY NOT APPLY TO YOU. IN THAT EVENT, SUCH WARRANTIES ARE LIMITED IN DURATION TO THE WARRANTY PERIOD. NO WARRANTIES APPLY AFTER THAT PERIOD.**

**Items Not Covered by Warranty**

IBM does not warrant uninterrupted or error-free operation of a Machine.

Unless specified otherwise, IBM provides non-IBM machines **WITHOUT WARRANTIES OF ANY KIND.**

Any technical or other support provided for a Machine under warranty, such as assistance via telephone with "how-to" questions and those regarding Machine set-up and installation, will be provided **WITHOUT WARRANTIES OF ANY KIND.**

**Warranty Service**

To obtain warranty service for the Machine, contact your reseller or IBM. You may be required to present proof of purchase.

IBM or your reseller provides certain types of repair and exchange service, either at your location or at a service center, to keep Machines in, or restore them to, conformance with their Specifications. IBM or your reseller will inform you of the available types of service for a Machine based on its country of installation. IBM may repair the failing Machine or exchange it at its discretion.

When warranty service involves the exchange of a Machine or part, the item IBM or your reseller replaces becomes its property and the replacement becomes yours. You represent that all removed items are genuine and unaltered. The replacement may not be new, but will be in good working order and at least functionally equivalent to the item replaced. The replacement assumes the warranty service status of the replaced item.

Any feature, conversion, or upgrade IBM or your reseller services must be installed on a Machine which is 1) for certain Machines, the designated, serial-numbered Machine and 2) at an engineering-change level compatible with the feature, conversion, or upgrade. Many features, conversions, or upgrades involve the removal of parts and their return to IBM. A part that replaces a removed part will assume the warranty service status of the removed part.

Before IBM or your reseller exchanges a Machine or part, you agree to remove all features, parts, options, alterations, and attachments not under warranty service.

You also agree to

1. ensure that the Machine is free of any legal obligations or restrictions that prevent its exchange;

2. obtain authorization from the owner to have IBM or your reseller service a Machine that you do not own; and

3. where applicable, before service is provided

    a. follow the problem determination, problem analysis, and service request procedures that IBM or your reseller provides,

    b. secure all programs, data, and funds contained in a Machine,

    c. provide IBM or your reseller with sufficient, free, and safe access to your facilities to permit them to fulfill their obligations, and

    d. inform IBM or your reseller of changes in a Machine's location.

IBM is responsible for loss of, or damage to, your Machine while it is 1) in IBM's possession or 2) in transit in those cases where IBM is responsible for the transportation charges.

Neither IBM nor your reseller is responsible for any of your confidential, proprietary or personal information contained in a Machine which you return to IBM or your reseller for any reason. You should remove all such information from the Machine prior to its return.

**Production Status**

Each IBM Machine is manufactured from new parts, or new and used parts. In some cases, the Machine may not be new and may have been previously installed. Regardless of the Machine's production status, IBM's appropriate warranty terms apply.

**Limitation of Liability**

Circumstances may arise where, because of a default on IBM's part or other liability, you are entitled to recover damages from IBM. In each such instance, regardless of the basis on which you are entitled to claim damages from IBM (including fundamental breach, negligence, misrepresentation, or other contract or tort claim), IBM is liable for no more than

1. damages for bodily injury (including death) and damage to real property and tangible personal property; and

2. the amount of any other actual direct damages, up to the greater of U.S. $100,000 (or equivalent in local currency) or the charges (if recurring, 12 months' charges apply) for the Machine that is the subject of the claim.

   This limit also applies to IBM's suppliers and your reseller. It is the maximum for which IBM, its suppliers, and your reseller are collectively responsible.

**UNDER NO CIRCUMSTANCES IS IBM LIABLE FOR ANY OF THE FOLLOWING: 1) THIRD-PARTY CLAIMS AGAINST YOU FOR DAMAGES (OTHER THAN THOSE UNDER THE FIRST ITEM LISTED ABOVE); 2) LOSS OF, OR DAMAGE TO, YOUR RECORDS OR DATA; OR 3) SPECIAL, INCIDENTAL, OR INDIRECT DAMAGES OR FOR ANY ECONOMIC CONSEQUENTIAL DAMAGES (INCLUDING LOST PROFITS OR SAVINGS), EVEN IF IBM, ITS SUPPLIERS OR YOUR RESELLER IS INFORMED OF THEIR POSSIBILITY. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.**

## Part 2 - Worldwide Country-Unique Terms

<u>ASIA PACIFIC</u>

**AUSTRALIA: The IBM Warranty for Machines:** The following paragraph is added to this Section:
The warranties specified in this Section are in addition to any rights you may have under the Trade Practices Act 1974 or other legislation and are only limited to the extent permitted by the applicable legislation.

**Extent of Warranty:** The following replaces the first and second sentences of this Section:
The warranty does not cover the repair or exchange of a Machine resulting from misuse, accident, modification, unsuitable physical or operating environment, operation in other than the Specified Operating Environment, improper maintenance by you, or failure caused by a product for which IBM is not responsible.

**Limitation of Liability:** The following is added to this Section:
Where IBM is in breach of a condition or warranty implied by the Trade

Practices Act 1974, IBM's liability is limited to the repair or replacement of the goods or the supply of equivalent goods. Where that condition or warranty relates to right to sell, quiet possession or clear title, or the goods are of a kind ordinarily acquired for personal, domestic or household use or consumption, then none of the limitations in this paragraph apply.

**PEOPLE'S REPUBLIC OF CHINA: Governing Law:** The following is added to this Statement:
The laws of the State of New York govern this Statement.

**INDIA: Limitation of Liability:** The following replaces items 1 and 2 of this Section:

1. liability for bodily injury (including death) or damage to real property and tangible personal property will be limited to that caused by IBM's negligence;
2. as to any other actual damage arising in any situation involving nonperformance by IBM pursuant to, or in any way related to the subject of this Statement of Warranty, IBM's liability will be limited to the charge paid by you for the individual Machine that is the subject of the claim.

**NEW ZEALAND: The IBM Warranty for Machines:** The following paragraph is added to this Section:
The warranties specified in this Section are in addition to any rights you may have under the Consumer Guarantees Act 1993 or other legislation which cannot be excluded or limited. The Consumer Guarantees Act 1993 will not apply in respect of any goods which IBM provides, if you require the goods for the purposes of a business as defined in that Act.

**Limitation of Liability:** The following is added to this Section:
Where Machines are not acquired for the purposes of a business as defined in the Consumer Guarantees Act 1993, the limitations in this Section are subject to the limitations in that Act.

**EUROPE, MIDDLE EAST, AFRICA (EMEA)**

**The following terms apply to all EMEA countries.**

The terms of this Statement of Warranty apply to Machines purchased from an IBM reseller. If you purchased this Machine from IBM, the terms and conditions of the applicable IBM agreement prevail over this warranty statement.

**Warranty Service**

If you purchased an IBM Machine in Austria, Belgium, Denmark, Estonia, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Latvia, Lithuania,

Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland or United Kingdom, you may obtain warranty service for that Machine in any of those countries from either (1) an IBM reseller approved to perform warranty service or (2) from IBM.

If you purchased an IBM Personal Computer Machine in Albania, Armenia, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Georgia, Hungary, Kazakhstan, Kirghizia, Federal Republic of Yugoslavia, Former Yugoslav Republic of Macedonia (FYROM), Moldova, Poland, Romania, Russia, Slovak Republic, Slovenia, or Ukraine, you may obtain warranty service for that Machine in any of those countries from either (1) an IBM reseller approved to perform warranty service or (2) from IBM.

The applicable laws, Country-unique terms and competent court for this Statement are those of the country in which the warranty service is being provided. However, the laws of Austria govern this Statement if the warranty service is provided in Albania, Armenia, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Federal Republic of Yugoslavia, Georgia, Hungary, Kazakhstan, Kirghizia, Former Yugoslav Republic of Macedonia (FYROM), Moldova, Poland, Romania, Russia, Slovak Republic, Slovenia, and Ukraine.

**The following terms apply to the country specified:**

**EGYPT: Limitation of Liability:** The following replaces item 2 in this Section:
2. as to any other actual direct damages, IBM's liability will be limited to the total amount you paid for the Machine that is the subject of the claim.

Applicability of suppliers and resellers (unchanged).

**FRANCE: Limitation of Liability:** The following replaces the second sentence of the first paragraph of this Section:
In such instances, regardless of the basis on which you are entitled to claim damages from IBM, IBM is liable for no more than: (items 1 and 2 unchanged).

**GERMANY: The IBM Warranty for Machines:** The following replaces the first sentence of the first paragraph of this Section:
The warranty for an IBM Machine covers the functionality of the Machine for its normal use and the Machine's conformity to its Specifications.

The following paragraphs are added to this Section:
The minimum warranty period for Machines is six months.

In case IBM or your reseller are unable to repair an IBM Machine, you can alternatively ask for a partial refund as far as justified by the reduced value of

the unrepaired Machine or ask for a cancellation of the respective agreement for such Machine and get your money refunded.

**Extent of Warranty:** The second paragraph does not apply.

**Warranty Service:** The following is added to this Section:
During the warranty period, transportation for delivery of the failing Machine to IBM will be at IBM's expense.

**Production Status:** The following paragraph replaces this Section:
Each Machine is newly manufactured. It may incorporate in addition to new parts, re-used parts as well.

**Limitation of Liability:** The following is added to this Section:
The limitations and exclusions specified in the Statement of Warranty will not apply to damages caused by IBM with fraud or gross negligence and for express warranty.

In item 2, replace "U.S. $100,000" with "1.000.000 DEM."

The following sentence is added to the end of the first paragraph of item 2:
IBM's liability under this item is limited to the violation of essential contractual terms in cases of ordinary negligence.

**IRELAND: Extent of Warranty:** The following is added to this Section:
Except as expressly provided in these terms and conditions, all statutory conditions, including all warranties implied, but without prejudice to the generality of the foregoing all warranties implied by the Sale of Goods Act 1893 or the Sale of Goods and Supply of Services Act 1980 are hereby excluded.

**Limitation of Liability:** The following replaces items one and two of the first paragraph of this Section:
1. death or personal injury or physical damage to your real property solely caused by IBM's negligence; and 2. the amount of any other actual direct damages, up to the greater of Irish Pounds 75,000 or 125 percent of the charges (if recurring, the 12 months' charges apply) for the Machine that is the subject of the claim or which otherwise gives rise to the claim.

Applicability of suppliers and resellers (unchanged).

The following paragraph is added at the end of this Section:
IBM's entire liability and your sole remedy, whether in contract or in tort, in respect of any default shall be limited to damages.

**ITALY: Limitation of Liability:** The following replaces the second sentence in the first paragraph:
In each such instance unless otherwise provided by mandatory law, IBM is liable for no more than: (item 1 unchanged) 2) as to any other actual damage arising in all situations involving non-performance by IBM pursuant to, or in any way related to the subject matter of this Statement of Warranty, IBM's liability, will be limited to the total amount you paid for the Machine that is the subject of the claim.

Applicability of suppliers and resellers (unchanged).

The following replaces the second paragraph of this Section:
Unless otherwise provided by mandatory law, IBM and your reseller are not liable for any of the following: (items 1 and 2 unchanged) 3) indirect damages, even if IBM or your reseller is informed of their possibility.

**SOUTH AFRICA, NAMIBIA, BOTSWANA, LESOTHO AND SWAZILAND: Limitation of Liability:** The following is added to this Section:
IBM's entire liability to you for actual damages arising in all situations involving nonperformance by IBM in respect of the subject matter of this Statement of Warranty will be limited to the charge paid by you for the individual Machine that is the subject of your claim from IBM.

**TURKIYE: Production Status:** The following replaces this Section:
IBM fulfills customer orders for IBM Machines as newly manufactured in accordance with IBM's production standards.

**UNITED KINGDOM: Limitation of Liability:** The following replaces items 1 and 2 of the first paragraph of this Section:

1. death or personal injury or physical damage to your real property solely caused by IBM's negligence;

2. the amount of any other actual direct damages or loss, up to the greater of Pounds Sterling 150,000 or 125 percent of the charges (if recurring, the 12 months' charges apply) for the Machine that is the subject of the claim or which otherwise gives rise to the claim.

The following item is added to this paragraph:
3. breach of IBM's obligations implied by Section 12 of the Sale of Goods Act 1979 or Section 2 of the Supply of Goods and Services Act 1982.

Applicability of suppliers and resellers (unchanged).

The following is added to the end of this Section:
IBM's entire liability and your sole remedy, whether in contract or in tort, in respect of any default will be limited to damages.

**CANADA: Warranty Service:** The following is added to this section:
To obtain warranty service from IBM, call **1-800-565-3344**. In Toronto, call
**416-383-3344**.

**UNITED STATES OF AMERICA: Warranty Service:** The following is added to
this section:
To obtain warranty service from IBM, call **1-800-772-2227**.

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## Federal Communications Commission (FCC) Statement

**Note:** 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 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 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:
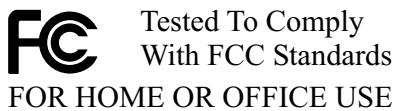
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult an IBM authorized dealer or service representative for help.

Properly shielded and grounded cables and connectors must be used in order to meet FCC emission limits. Proper cables and connectors are available from IBM authorized dealers. IBM is not responsible for any radio or television interference caused by using other than recommended cables and connectors or by unauthorized changes or modifications to this equipment. Unauthorized changes or modifications could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject 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.

Responsible party:
    International Business Machines Corporation
    New Orchard Road
    Armonk, NY 10504
    Telephone: 1-919-543-2193

**FC** Tested To Comply
With FCC Standards
FOR HOME OR OFFICE USE

**Industry Canada Class B emission compliance statement**

This Class B digital apparatus complies with Canadian ICES-003.

**Avis de conformite a la reglementation d'Industrie Canada**

Cet appareil numérique de classe B est conforme à la norme NMB-003 du Canada.

**Deutsche EMV-Direktive (electromagnetische Verträglichkeit)**

Dieses Gerät ist berechtigt in Übereinstimmung mit dem deutschen EMVG vom 9.Nov.92 das EG-Konformitätszeichen zu führen.

Der Aussteller der Konformitätserklärung ist die IBM UK, Greenock.

Dieses Gerät erfüllt die Bedingungen der EN 55022 Klasse B.

**European Union** - **emission directive**

This product is in conformity with the protection requirements of EU Council Directive 89/366/ECC on the approximation of the laws of the Member States relating to electromagnetic compatibility.

IBM can not accept responsibility for any failure to satisfy the protection requirements resulting from a non-recommended modification of the product, including the fitting of non-IBM option cards.

This product has been tested and found to comply with the limits for Class B Information Technology Equipment according to CISPR 22/European Standard EN 55022. The limits for Class B equipment were derived for typical residential environments to provide reasonable protection against interference with licensed communication devices.

**Union Européenne** - **Directive Conformité électromagnétique**

Ce produit est conforme aux exigences de protection de la Directive 89/336/EEC du Conseil de l'UE sur le rapprochement des lois des États membres en matière de compatibilité électromagnétique.

IBM ne peut accepter aucune responsabilité pour le manquement aux exigences de protection résultant d'une modification non recommandée du produit, y compris l'installation de cartes autres que les cartes IBM.

Ce produit a été testé et il satisfait les conditions de l'équipement informatique de Classe B en vertu de CISPR22/Standard européen EN 55022. Les conditions pour l'équipement de Classe B ont été définies en fonction d'un contexte résidentiel ordinaire afin de fournir une protection raisonnable contre l'interférence d'appareils de communication autorisés.

**Unione Europea** - **Directiva EMC (Conformidad électromagnética)**

Este producto satisface los requisitos de protección del Consejo de la UE, Directiva 89/336/CEE en lo que a la legislatura de los Estados Miembros sobre compatibilidad electromagnética se refiere.

IBM no puede aceptar responsabilidad alguna si este producto deja de satisfacer dichos requisitos de protección como resultado de una modificación no recomendada del producto, incluyendo el ajuste de tarjetas de opción que no sean IBM.

Este producto ha sido probado y satisface los límites para Equipos Informáticos Clase B de conformidad con el Estándar CISPR22 y el Estándar Europeo EN 55022. Los límites para los equipos de Clase B se han establecido para entornos residenciales típicos a fin de proporcionar una protección razonable contra las interferencias con dispositivos de comunicación licenciados.

**Union Europea** - **Normativa EMC**

Questo prodotto è conforme alle normative di protezione ai sensi della Direttiva del Consiglio dell'Unione Europea 89/336/CEE sull'armonizzazione legislativa degli stati membri in materia di compatibilità elettromagnetica.

IBM non accetta responsabilità alcuna per la mancata conformità alle normative di protezione dovuta a modifiche non consigliate al prodotto, compresa l'installazione di schede e componenti di marca diversa da IBM.

Le prove effettuate sul presente prodotto hanno accertato che esso rientra nei limiti stabiliti per le le apparecchiature di informatica Classe B ai sensi del CISPR 22/Norma Europea EN 55022. I limiti delle apparecchiature della Classe B sono stati stabiliti al fine di fornire ragionevole protezione da interferenze mediante dispositivi di comunicazione in concessione in ambienti residenziali tipici.

**Korean B**급 규격 증명서

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