

DeskNote Computer

User's Guide



Preface

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While reasonable efforts have been made to ensure the accuracy of this manual, the manufacturer and distributor assume no liability resulting from errors or omissions in this manual, or from the use of the information contained herein.

Notices

Federal Communications Commission Radio Frequency Interference Statement



This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio TV technician for help.

Notice:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Shielded interface cables and a non-shielded AC power cord must be used in order to comply with emission limits.

This equipment is to be used with power supply:

I/P: 100-240 Vac, 50-60Hz, 2.0A

O/P: 20Vdc, 6.0A

There is no internal power supply.

Canadian DOC Notice For Class B Computing Devices

This Class B digital apparatus meets all requirements of the Canadian Interference - Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

Safety Precautions

This section is designed to assist you in identifying potentially unsafe conditions while working with this product. Required safety features have been installed in the computer to protect you from injury. However, you should use good judgment to identify potential safety hazards:

1. Please read these safety instructions carefully.
2. Please keep this User's Manual for later reference.
3. Please disconnect this equipment from AC outlet before cleaning. Don't use liquid or sprayed detergent for cleaning. Use moisture sheet or cloth for cleaning.
4. For pluggable equipment, that the socket-outlet shall be installed near the equipment and shall be easily accessible.
5. Please keep this equipment from humidity.
6. Lay this equipment on a reliable surface when installed. A drop or fall could cause injury.
7. Make sure to use the right voltage for the power source when connecting the equipment to

the power outlet.

- 8.** Place the power cord in such a way that people can not step on it. Do not place anything on top of the power cord.
- 9.** All cautions and warnings on the equipment should be noted.
- 10.** If the equipment is not use for a long time, disconnect the equipment from the main power outlet to avoid being damaged by transient overvoltage.
- 11.** Never pour any liquid into the opening, this could cause fire or electrical shock.
- 12.** Never open the equipment. For safety reason, the equipment should only be opened by a qualified service personnel.
- 13.** If on the following situations arises, get the equipment checked by a service personnel:
 - a.** The Power cord or plug is damaged.
 - b.** Liquid has penetrated into the equipment.
 - c.** The equipment has been exposed to moisture.
 - d.** The equipment has not work well or you cannot get it work according to the user's manual.
 - e.** The equipment has dropped and damaged.
 - f.** If the equipment has obvious sign of breakage.
- 14.** Do not leave this equipment in an environment unconditioned, storage temperature above 60°C (140°F), it may damage the equipment.
- 15.** The unit can be operated at an ambient temperature of max. 35°C.
- 16.** The sound pressure level at the operators position according to IEC 704-1: 1982 is equal or less than 70 dB(A).

17. Power Cord Requirements

The power cord set used with the AC adaptor must meet the requirements of the country where you use the AC adaptor, whether it is 100-120 or 200-240 Vac. The following information explains the requirements for power cord set selection.

- The cord set must be approved for the country in which it is used.
- The appliance coupler must have a configuration for mating with a CEE22/EN6032/IEC 320 appliance inlet.

A. For U.S. and Canada:

- The cord set must be UL Listed and CSA Certified.
- The minimum specifications for the flexible cord are No. 18 AWG.

B. For Japan:

- All components of the cord set must bear a “ T ” mark and registration number in accordance with the Japanese Dentori Law.
- The minimum specifications for the flexible cord are .75m² conductors.

C. For Other Countries:

- The cord set fittings must bear the certification mark of the agency responsible for evaluation in a specific country.
- The flexible cord must be of a HAR (harmonized) type H05VV-F.
- The cord set must have a current capacity of a least 2.5 Amperes and voltage rating of 125 or 250 Vac.

18. When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons. These precautions includes the following:

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1. Do not use this product near water, for example, near a bathtub, washbowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.
 2. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
 3. Do not use the telephone to report a gas leak in the vicinity of the leak.
 4. Use only the power cord indicated in this manual.
19. Do not use the AC adapter near open water or other liquids. Never spill liquid into the AC adapter.
 20. Laser Warning: Laser Class I Product Caution - Invisible laser radiation when open avoid exposure to beam.
 21. Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions. Never remove the battery pack while the power is on as this may result in data loss when the system loses power.

Wichtige Sicherheitshinweise

1. Bitte lesen Sie diese Hinweis sorgfältig durch.
2. Heben Sie diese Anleitung für den späteren Gebrauch auf.
3. Vor jedem Reinigen ist das Gerät vom Stromnetz zu trennen. Versenden Sie keine Flüssig- oder Aerosolreiniger. Am besten eignet sich ein angefeuchtetes Tuch zur Reinigung.
4. Die Netzanschlußsteckdose soll nahe dem Gerät angebracht und leicht zugänglich sein.
5. Das Gerät ist vor Feuchtigkeit zu schützen.
6. Bei der Aufstellung des Gerätes ist auf sicheren Stand zu achten. Ein Kippen oder Fallen

könnte Beschädigungen hervorrufen.

7. Beachten Sie beim Anschluß an das Stromnetz die Anschlußwerte.
8. Verlegen Sie die Netzanschlußleitung so, daß niemand darüber fallen kann. Es sollte auch nichts auf der Leitung abgestellt werden.
9. Alle Hinweise und Warnungen, die sich am Gerät befinden, sind zu beachten.
10. Wird das Gerät über einen längeren Zeitraum nicht benutzt, sollten Sie es vom Stromnetz trennen. Somit wird im Falle einer Überspannung eine Beschädigung vermieden.
11. Durch die Lüftungsöffnungen dürfen niemals Gegenstände oder Flüssigkeiten in das Gerät gelangen. Dies könnte einen Brand bzw. Elektrischen Schlag auslösen.
12. Öffnen Sie niemals das Gerät. Das Gerät darf aus Gründen der elektrischen Sicherheit nur von autorisiertem Servicepersonal geöffnet werden.
13. Wenn folgende Situationen auftreten ist das Gerät vom Stromnetz zu trennen und von einer qualifizierten Servicestelle zu Überprüfung:
 - a. Netzlabel oder Netzstecker sind beschädigt.
 - b. Flüssigkeit ist in das Gerät eingedrungen.
 - c. Das Gerät war Feuchtigkeit ausgesetzt.
 - d. Wenn das Gerät nicht der Bedienungsanleitung entsprechend funktioniert oder Sie mit Hilfe dieser Anleitung keine Verbesserung erzielen.
 - e. Das Gerät ist gefallen und/oder das Gehäuse ist beschädigt.
 - f. Wenn das Gerät deutliche Anzeichen eines Defektes aufweist.
14. **VORSICHT:** Explosionsgefahr bei unsachgemäßen Austausch der Batterie. Ersatz nur durch denselben oder einem vom Hersteller empfohlenem ähnlichen Typ. Entsorgung

gebrauchter Batterien nach Angaben des Herstellers.

15. Dieses Schaltnetzteil kann bis zu einer Außentemperatur von maximal 35°C.

16. Die Ausgangswerte dürfen nicht die auf dem Label angegebenen Werte überschreiten.

17. Anforderungen an das Stromkabel

Das Kabel-Set, das an das Netzteil angeschlossen wird, muss den Anforderungen des Landes, in dem Sie das Netzteil einsetzen, genügen, je nachdem, ob die Netzspannung 100-120 oder 200-240V Wechselspannung beträgt.

- Das Kabel-Set muss für das Land, in dem es eingesetzt wird, zugelassen sein.
- Der Gerätestecker des Kabels muss in eine CEE22/ EN603/ IEC 320 Buchse passen.

A. Für die USA und Kanada:

- Das Kabel-Set muss UL-gelistet und CSA zertifiziert sein.
- Die Minimalanforderungen für das Kabel entsprechen No. 18 AWG.

B. Für Japan:

- Alle Teile des Kabel-Sets müssen entsprechend dem japanischen Dentori Law mit einem "T"-Symbol markiert sein
- Die Minimalanforderungen für das Kabel sind .75m² Leiter.

C. Für andere Länder:

- Die Zubehörteile des Kabel-Sets müssen das Prüfsiegel derjenigen Stelle, die in dem jeweiligen Land für die Sicherheitsprüfung zuständig ist, tragen.
- Das Kabel muss vom HAR (harmonisierten) Typ H05VV-F sein.

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- Das Kabel-Set muss eine Stromkapazität von mindestens 2,5 Ampere haben und Spannungen von 125 oder 250 V Wechselstrom gestatten.
- 18.** Bei der Benutzung Ihres Telefongerätes sollten Sie immer die grundlegenden Sicherheitsmaßnahmen beachten, um das Risiko von Feuer, Stromschlägen und Verletzungen zu minimieren. Zu beachten sind u.a. folgende Punkte:
 - 5.** Benutzen Sie das Gerät nicht in der Nähe von Wasser, wie zum Beispiel Badewanne, Waschbecken, Spülbecken, Waschbottich, in feuchten Kellerräumen oder in der Nähe von Schwimmbecken.
 - 6.** Benutzen Sie kein Telefon (ausgenommen schnurlose Modelle) während eines Gewitters. Es besteht das geringe Restrisiko eines Blitzschlages.
 - 7.** Benutzen Sie das Telefon nicht um ein Gasleck zu melden, falls es sich in der Nähe des Lecks befindet.
 - 8.** Benutzen Sie nur solch ein Stromkabel, wie in dieser Anleitung beschrieben.
 - 19.** Benutzen Sie das Netzteil nicht in unmittelbarer Nähe zu Wasser oder anderen Flüssigkeiten. Gießen Sie nie Flüssigkeiten über das Netzteil.
 - 20.** Achtung Laser: Laser Produkt der Klasse I. Achtung - Unsichtbarer Laserstrahl, vermeiden Sie Kontakt mit dem Strahl bei offenem Gehäuse.

Personal Inventory

This Notebook computer system is designed for years of productive and pleasurable computing. Use this section to keep notes about details of your purchase. Update this section when you add new options.

Date of Purchase:

Dealer's Name:

Phone:

Address:

E-Mail Address:

WWW Site:

Serial Number:

CPU Type:

Hard Disk Capacity:

Memory Capacity:

Optional Equipment:

Chapter

1

Introduction

Welcome to the DeskNote PC

Congratulations on your purchase of the DeskNote PC. Your DeskNote features the latest advances in portable computing technology. The DeskNote's modular design provides maximum expandability without compromising portability. The high-performance CPU and enhanced IDE hard drive provides you with extra processing power for handling complex graphics and running large programs.

Unpacking the Notebook

The Notebook comes securely packaged in a sturdy cardboard shipping carton. Upon receiving your Notebook, open the carton and carefully remove the contents. If anything is missing or damaged, please contact your Notebook dealer immediately. The shipping carton should contain the following items:

- The Notebook computer
- An AC adapter
- An AC power cord
- Software Drivers CD

Do not throw the packaging materials away. You may need them later if you have to ship the computer for repairs.

Things you must remember before working on your computer

Let your computer acclimate itself

Your notebook can easily stand temperature extremes but it doesn't like rapid changes in temperature, like going from the cold outdoors to a warm office. Rapid changes in temperature can cause water droplets to condense inside your case, threatening to damage the electronic parts inside.

After receiving your notebook when it's hot or cold outside, try not to power up the computer immediately, let the computer adjust to the room temperature gradually at least for three to four hours.



If your system arrives in cold weather, do not apply power to the computer or monitor until they have been allowed to come to room temperature.

Heat, Cold, Humidity, and Glare

Find a suitable place for your computer that's not too hot, too cold, too dark, or too bright. Glare can make it hard to read the screen.

- Try to avoid the computer components from being destroyed if it is over heated, so try to allow plenty of room for air to circulate around the case.
- Do not block the ventilation opening.
- Do not place your computer in direct sunlight.

Suitable place to work

Your computer will run well wherever you're comfortable but extremes of temperature and humidity can be challenging to your system's parts.

There are some things you can tolerate that the computer can't – things like static electricity, dust, water, steam and oil. In case you decide to pull over for roadside computing, try to choose a clean, comfortable work area for your system.

A lithium-ion battery pack will be available when you are traveling. If you are running your system for the first time on battery power, remove the battery from the package, install it into the system and recharge the battery to fully prepare for service.

Features

This section provides an overview of the Notebook's features. For more detailed information see the Specifications section in Appendix A. The Notebook's hardware has the following features:

CPU

The microprocessor (CPU) is the key hardware feature; it is the brain of the computer, performing all the computing functions and orchestrating the actions of the system.

Upgradeable System Memory

The Notebook has a 64-bit memory bus.

Display

The LCD assembly is field-interchangeable and comes with the following display options:

14.1"/15.0" LVDS XGA TFT, 15.0" TTL XGA TFT

Removable HDD Module

The Notebook comes with a 2.5" (9.5mm maximum height) hard disk installed. The HDD supports PIO mode 4. The hard drive can also be easily removed and replaced with a second hard drive for the purpose of data backup or expansion. The Notebook supports HDDs with capacities of 1.44GB or above.

CD-ROM/DVD-ROM/Combo Drive (CD-RW+DVD-ROM)

The high speed built-in CD-ROM drive allows you to take advantage of the wide array of multimedia titles available, and can be swapped with a Digital Versatile Disk (DVD) ROM drive, or Combo drive.

Pointing Device

The TouchPad is a pressure-sensitive pointing device. It allows you to move the cursor around the screen and make selections just as with a conventional mouse. The TouchPad can be used concurrently with an external PS/2 mouse.

Windows 98 Enhanced Keyboard

The Notebook keyboard uses a standard QWERTY layout with the addition of special function keys and an embedded numeric keypad for number intensive data entry. The Notebook's enhanced keyboard design emulates a full-size desktop keyboard and supports multiple language formats. Your keyboard supports Windows 98 by incorporating two Windows specific keys. With the two Windows 98 keys you will be able to access and take advantage of the many time-saving features of Windows 98 software.

Parallel Port

The Notebook has a 25-pin parallel port, which is most commonly used to connect a printer or Pocket LAN to the computer. The parallel port supports both EPP and ECP capabilities.

IR (Infrared) Communication Port

The Notebook features an IrDA compatible Standard Infrared (SIR) communication module. The SIR module enables you to make serial communication between the Notebook and other IR equipped devices such as a printer or another Notebook computer.

USB Ports

Four USB (Universal Serial Bus) connectors are available for you to connect USB devices. The USB is a personal computer bus endorsed by Intel and others that has a total bandwidth of 480Mbit per second, making it much faster than conventional serial ports. Contact your dealer for details on purchasing a USB device.

Audio System

The Notebook's sound system includes amplified output, two built-in 1 watt stereo speakers, and a built-in microphone.

VGA Port

At the rear of the Notebook there is a 15-pin VGA connector for connecting an external CRT monitor.

Keyboard Controls

The Notebook provides a host of hot key features that are a permanent part of the computer's operation. Some affect the LCD video display, while others are for controlling the volume.

AC Power System

The AC Adapter has automatic 100-240V line switching which will automatically check the power voltage coming out of the wall and adjust it to the voltage your computer requires.



Because the Notebook computer is available in different configurations, some of the features mentioned in this manual might not be included on your computer or may differ slightly.

Getting to Know Your Computer

Opening the LCD Panel

At the front of the DeskNote you will find a retaining latch on the display panel that locks the display in closed position when the DeskNote is not in use.

1. Slide the display panel latch on the front of the LCD screen to the right until the display panel releases, and then raise the LCD screen.
2. At any time you can tilt the display toward or away from you to a comfortable viewing position.



To avoid damage to the display panel:

1. Try not to slam the display upon closing it.
2. Try not to place any object on top when it is closed or open.
3. Be sure the system is turned off or in suspend mode before you close the display panel.

With the LCD screen open, you will see several features important for operating your DeskNote computer.



Each of these features is briefly described below.

LCD Screen

Your DeskNote computer is equipped with a replaceable color 15.0" or 14.1" Liquid Crystal Display (LCD) screen that supports up to 1024 x 768 LCD resolution.

Internet Explorer button

Press this button to launch Microsoft Internet Explorer or your default browser.

E-Mail button

Use this key to open the Microsoft's Outlook Express to send/receive your mail.

CD-ROM/DVD-ROM/Combo Drive (CD-RW+DVD-ROM) Eject button

Push this button to eject and release the CD-ROM/DVD-ROM/Combo drive (CD-RW+DVD-ROM).



This application only applies when the computer enters any *Microsoft Windows OS environment (Win98SE/2K/ME/XP)*. Press the eject button to release the drive completely.

This application will not be applicable when the system is in DOS mode, instead open the compartment door and push the eject button on the CD-ROM bezel to release the drive.

Power/Resume Button

Pressing this button for 1-2 seconds will turn on the system or pressing this button when the computer is in Suspend mode will resume normal operation.

Pressing this button for 4 seconds will also turn off the system.

The Built-in Microphone

The built-in microphone is located to the right of the TouchPad.

Scroll Button

Use this button to scroll up and down the scrolling bar.

Cooling Fan

This fan prevents the DeskNote CPU and other internal components from becoming overheated. Keep this fan unobstructed to allow proper ventilation to the computer internal components.

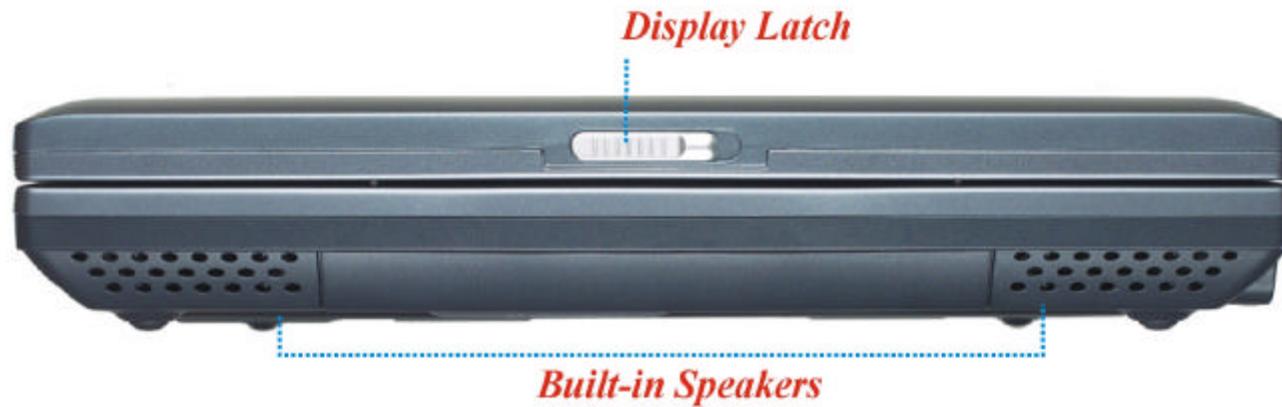
TouchPad

The TouchPad is hardware-compatible with the IBM PS/2 mouse and software-compatible with the Microsoft mouse.

TouchPad Buttons

The buttons below the TouchPad correspond to the left and right buttons on a standard mouse. The USB compatible mouse will work with the DeskNote TouchPad simultaneously.

The Front



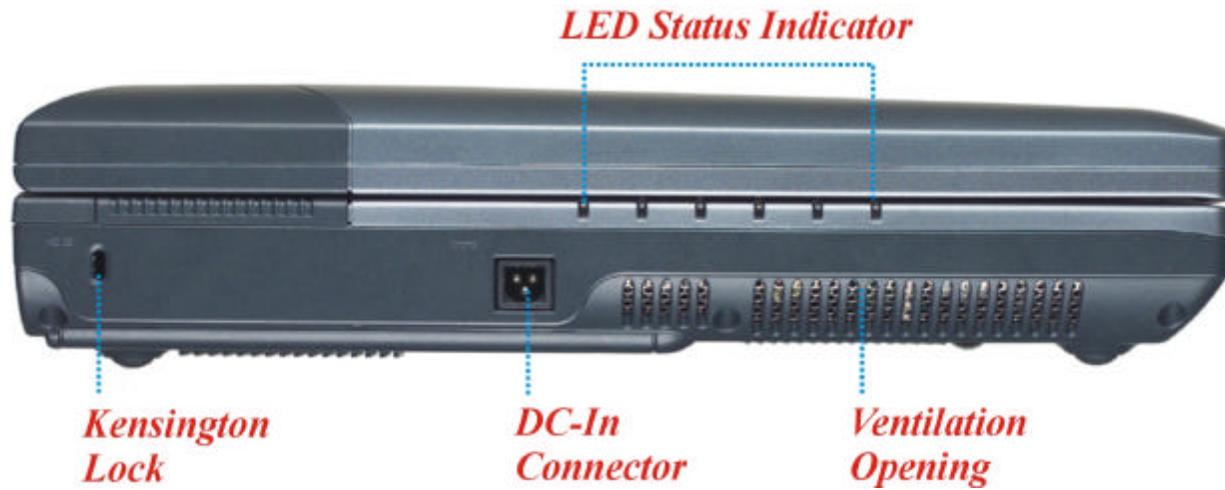
Display Latch

Allows you to open the display panel and reveal the LCD screen and the keyboard.

Built-in Speakers

The internal speakers provide true stereo sound.

Left View



LED Status Indicator Panel

The system status indicator panel keeps you informed of the computer's operating status.

	<p>Power mode - Indicates that the computer is power on.</p>
	<p>Sleep mode - Indicates that the computer is in suspend mode.</p>
	<p>HDD - Indicates that the computer is accessing the hard disk drive.</p>
	<p>Num Lock - Indicates that the keyboard is in Num Lock mode.</p>
	<p>Caps Lock - Indicates when the keyboard is in Caps Lock mode. In this mode, the keyboard produces uppercase text when you press a key.</p>
	<p>When you press the Caps Lock key again, the indicator goes off and the keyboard produces lowercase text.</p>

Scroll Lock - Indicates when the keyboard is in Scroll Lock mode. Some applications will move information across the screen differently when Scroll Lock is on.

Kensington Lock

Allows you to connect a special computer lock to secure your system.

You can purchase a lock at most computer retailers.

DC IN Connector

Plug the AC adapter into this connector.

Ventilation Opening

Please don't block this opening during operation of the system.

The Right Side



USB Ports

Your computer includes four Universal Serial Bus (USB2.0) ports. USB is the latest development in Plug and Play technology. It will eventually replace the need for separate connectors for external keyboards, serial ports, and parallel (printer) port. The transport speed would reach up to 480Mbps.

1394A

A very fast external bus standard that supports data transfer rates of up to 400 Mbps (400 million bits per second). Can be used to connect up to 63 external devices, also supports isochronous *data* - delivering data at a guaranteed rate.

This makes it ideal for devices that need to transfer high levels of data in real-time, such as video devices. Also supports both Plug-and-Play and hot plugging, and also provides power to peripheral devices.

Mini 1394A

A very fast external bus standard that supports data transfer rates of up to 400 Mbps (400 million bits per second). Can be used to connect up to 63 external devices, also supports isochronous *data* - delivering data at a guaranteed rate.

Infrared Data Port

The Infrared Data Port allows your DeskNote to become truly wireless.

You can use this port to transfer large amounts of data very quickly to any other machine (DeskNote computers, printers, etc.), which is also equipped with an IrDA-compliant IR port.

This allows you to print documents without any inconvenient cable hookups.

The CD-ROM/DVD-ROM/Combo Drive

Your DeskNote comes with a swappable 24X (or higher) 5.25" IDE CD-ROM or 8X DVD-ROM or Combo drive (CD-RW+DVD-ROM).



This application applies both on DOS mode and any Microsoft Windows OS (98SE/2K/ME/XP): Open the compartment door and push the eject button to eject and release the drive.

You may also use the hotkey button to eject the drive under any *Microsoft Windows OS*.

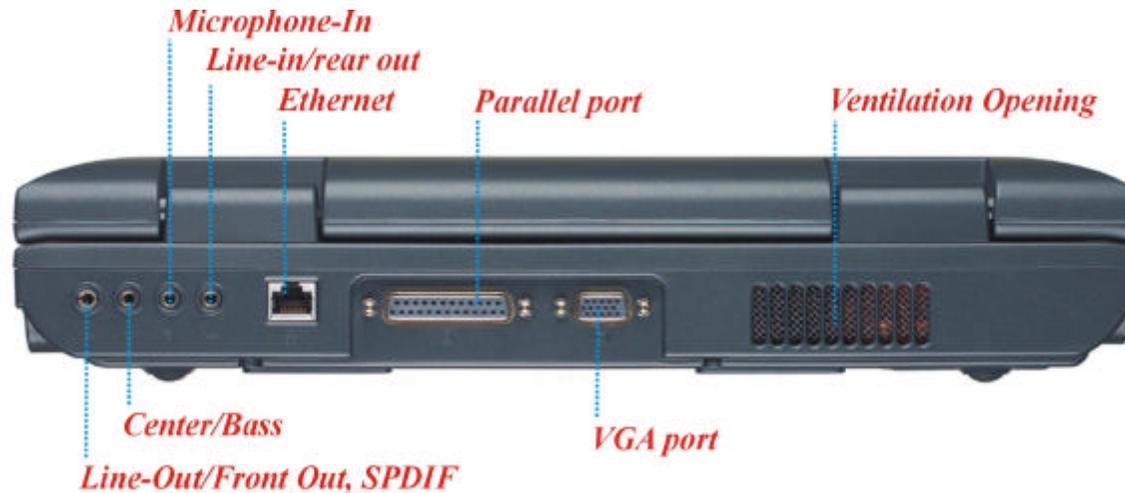
Modem Port

You will be able to connect your computer to your phone line through this port.



Always disconnect all telephone lines from the wall outlet before servicing or disassembling this equipment. To reduce the risk of fire use only No. 26 AWG or larger telecommunication line cord.

The Rear



Line-Out/Front Out, SPDIF

This is for speaker output. You can plug an external speaker or connect the line out jack to an audio device such as stereo loudspeaker to record the notebook's audio output.

S/PDIF engine receives the digital format data from either DVD-ROM or CD-ROM, regroup the data to be synchronous signal and de-multiplexes audio and other digital data.

Center/Bass Jack

This jack is used to attached center speakers or a woofer to increase the bass level

External Microphone Jack

This mono microphone jack is used to connect an external microphone.

Line-In/Rear Out Jack

This jack is for auxiliary input. The auxiliary input can be used to connect an external audio rouse (cassette player, CD player, etc.) to your DeskNote.

The rear out is used to output sound generated by your computer to an external device, such as stereo loudspeakers.



The DeskNote provides you with the ability to support AC-3 audio source by connecting three sets of speakers (1 set x 2) through the *Front Out, Rear out and Center/Bass jack*. Please refer to *Chapter 4 on the topic of Connecting Peripheral Devices*.

LAN Port

This port provides a standard RJ-45 connection with an existing network via a network cable.



When using a LAN, please use an EMI Shielding Cable to minimize an interference when transmitting.

Parallel Port

This port allows you to easily connect a parallel printer or plotter using this 25-pin bi-directional female port.

VGA Port

This port allows you to easily connect an external VGA/SVGA display monitor into your DeskNote using the 15-pin female connector.

Ventilation Opening

Please don't block this opening during operation of the system.

The Bottom Panel



Hard Disk Drive

Your computer includes a 2.5-inch IDE hard disk drive (9.5mm in height). The DeskNote PC's BIOS automatically detects IDE drive types.

CPU Compartment

The DeskNote allows you to upgrade the CPU.

Expansion Compartment

This compartment will serve as an expansion to upgrade your RAM module.

Chapter

2

Getting Started

Connecting to a Power Source

Connecting the AC Adapter

A universal AC adapter is provided to supply your computer with power. The adapter's AC input voltage can range anywhere from 100 to 240 volts, covering the standard voltages available in almost every country.



The power cord for the AC adapter requires a three-hole grounded AC outlet.

Please do not remove the grounding plug (the third prong). For protection, we recommend you to use a surge protector device plugged between the AC power cable and the electrical wall outlet to prevent the effects of sudden current variations from reaching the computer.

To connect the computer to an external power source:

1. Plug the AC adapter's connector into the DC-IN connector on the rear of the computer.
2. Connect the power cord to the AC adapter and then to a wall outlet.



The best kind of AC power source to connect your DeskNote to is a UPS (Uninterruptible Power Supply). Lacking this, use a power strip with a built-in surge protector. Do not use inferior extension cords as this may result in damage to your DeskNote. The DeskNote comes with its own AC adapter. Do not use a different adapter to power the computer and other electrical devices.

Whenever possible, keep the AC adapter plugged into the DeskNote and an electrical outlet to recharge the battery.



Never turn off or reset your DeskNote while the hard disk is in use and the HDD status icon is lit; doing so can result in loss or destruction of your data. Always wait at least 5 seconds after turning off your DeskNote before turning it back on; turning the power on and off in rapid succession can damage the DeskNote's electrical circuitry.

Turning On Your DeskNote Computer

Turn on your DeskNote by pressing the power button. Hold the button down for a second or two and release. The Power-On Self Test (POST) runs automatically.

After the POST is completed, the computer reads the operating system from the hard disk drive into computer memory (this is commonly referred to as “booting” a computer). If your OS (Operating System such as Windows XP, Windows 2000.... etc) is installed, it should start automatically.

To turn the DeskNote off, save your work and close all open applications, click on **Start**, then **Shut Down** and select **Shut down the computer** and click "**Yes**" or press the power button for 4-6 seconds.

Operating on External Battery Power (Optional)

Your computer comes with an optional rechargeable battery pack that lets you operate the computer without an external power source. When the battery pack is fully charged, you can operate the computer for approximately 1-2 hours under the following conditions:

- The battery pack initially has a full charge.
- No peripheral devices are installed.
- The disk/CD-ROM drives run no more than 10% of the time.



Only use batteries that are approved by an authorized dealer. All batteries are not the same and therefore should not be treated as such. Using the wrong battery could cause serious damage to your computer and yourself through toxic emissions.



When you are only using the battery to run your computer, the CPU and DDR SDRAM frequency rate in the “BIOS Setup” menu should be fixed at 100MHz.

Chapter

3

***Using the DeskNote
Computer***

Adjusting the LCD Screen Display

The LCD screen display can be adjusted by the following key combinations.

KEYS	FUNCTIONS
[Fn] + [F7]	Decreases the brightness level.
[Fn] + [F8]	Increases the brightness level.
[Fn] + [F12]	This key combination toggles the following: LCD only, CRT only, simultaneous LCD & CRT.

LCD Care

LCD screens are delicate devices that need careful handling. Please pay attention to the following precautions:

- When you are not using the computer, keep the LCD screen closed to protect it from dust.
- If you need to clean your LCD screen, use a soft tissue to gently wipe the LCD surface.
- Do not put your fingers or sharp objects directly on the surface and never spray cleaner directly onto the display.
- Do not press on, or store any objects on the cover when it is closed. Doing so may cause the LCD to break.

External CRT Display

You can hook up an external monitor through the 15-pin CRT connector. Three configurations are available:

- LCD only
- CRT only
- Simultaneous display of the LCD screen and CRT monitor

You can switch between these display configurations by pressing the key combination **[Fn] + [F12]**. For information on connecting an external display, please refer to Chapter Four.

A Tour of the DeskNote's Keyboard

The DeskNote's keyboard uses a standard QWERTY layout with the addition of special function keys and an embedded numeric keypad for number intensive data entry. Your keyboard supports Windows by incorporating the two Windows specific keys. With the two Windows keys you will be able to access and take advantage of many of the timesaving features of Windows software.

The function keys (F1-F12) on the top row of the keyboard, serve different purposes and carry out different tasks depending on the application you are running.

The cursor (arrow) keys (which are all located in the lower right corner of your keyboard) and the [PgUp], [PgDn], [Home] and [End] keys (which are located along the right edge of the keyboard) allow you to move the active cursor of the computer to various locations on the screen or within the document.

The embedded numeric keypad consists of 15 keys that make number intensive input more convenient. Like the [Num Lock] key, these keys are labeled in blue on the keycaps. Numeric assignments are located at the upper right of each key.

When the numeric keypad is engaged, the NumLock icon will appear in the System Window. The keypad is activated by pressing the [Fn] + [NumLk] key. If an external keyboard is connected, pressing the NumLock key on either the DeskNote or external keyboard will enable/disable NumLock of both keyboards in unison.

To disable the DeskNote numeric keypad while keeping the keypad on an external keyboard activated, use the [Fn] + [NumLk] hot key on the DeskNote keyboard.



The DeskNote's Hot Key Controls

KEYS	FUNCTION(S)
Power Button	Press this button once to power on or enter the suspend/resume mode. Press this button for more than 4 seconds to power off the system.
Internet Button	Open Internet WWW Home short-cut key.
Email Button	Open Email Reader short-cut key.
CD-ROM/DVD-ROM/ Combo Drive Eject Button	Press this button to eject and release the CD-ROM/DVD-ROM/Combo drive (CD-RW+DVD-ROM). This function is only applicable when the system is in any Microsoft Windows OS (98SE/2K/ME/XP) environment.
[Fn] + [F2]	Press this function to mute and unmute the system audio function.
[Fn] + [F3]	Decreases the speaker volume.
[Fn] + [F4]	Increases the speaker volume.
[Fn] + [F7]	Decreases the brightness level.
[Fn] + [F8]	Increases the brightness level.
[Fn] + [F12]	This key combination toggles the following: LCD only, CRT only, simultaneous LCD & CRT.

The TouchPad

The touchpad is a rectangular electronic panel located just below your keyboard. You can use the static-sensitive panel of the touchpad and slide it to move the cursor. You can use the buttons below the touchpad as left and right mouse buttons.



TouchPad Precautions

The TouchPad is a pressure sensitive device. Please take note of the following precautions.

- Make sure the TouchPad does not come into contact with dirt, liquids or grease.
- Do not touch the TouchPad if your fingers are dirty.
- Do not rest heavy objects on the TouchPad or the TouchPad buttons.

You can use the TouchPad with Microsoft Windows as well as non-Windows applications.

Connecting an External Tracking Devices

The system will only enables you to use one tracking device whether it is an internal or external tracking device.

Data Storage and Retrieval

Data storage and retrieval are two of the most fundamental tasks you will perform when working with your computer. The DeskNote is equipped with a hard disk drive (HDD). The HDD is removable allowing for easy upgrades.

The CD-ROM/DVD-ROM/Combo Drive (CD-RW+DVD-ROM)

Features of the CD-ROM/DVD-ROM/Combo Module

The features of the CD-ROM/DVD-ROM/Combo drive are listed below.

- The Audio Play feature allows you to play music CDs

-
- Front panel load/unload button
 - Supports CD-DA, CD-ROM mode 1 and mode 2, Multi-Session Photo CD™, CD-I/Video CD (pcs.)
 - Low power consumption
 - 12.7mm height

Precautions for Handling CD-ROM/DVD-ROM/Combo Discs

- Always hold the disc by the edges, avoid touching the surface.
- Use a clean, dry, cloth to remove dust, smudges, or fingerprints. Wipe from the center outward.
- Do not write or place objects on the surface of the disc.
- Store discs in a cool dry place not to damage the disc.
- Do not use benzene, thinners, or cleaners with detergent. Only use CD-ROM/DVD-ROM cleaning kits.
- Do not bend or drop the discs.

Loading and Unloading a Disc

Using the eject button shortcut key



This application only applies if the system enters any Microsoft Windows OS (98SE/2K/ME/XP) environment.

Press the eject button on top of the keyboard to release the drive completely.



Using the eject button on the CD-ROM/DVD-ROM/Combo drive



This function applies both on DOS mode and any Microsoft Windows OS (98SE/2K/ME/XP) application.

1. Open the compartment door and push the CD-ROM/DVD-ROM/Combo drive eject button to release the drive. Gently pull the tray all the way out.
2. Carefully lift the CD-ROM/DVD-ROM/Combo drive by the edges and make sure the shiny

surface is face down (the side with no writing on it). Carefully insert the CD-ROM onto the tray. Push the CD-ROM/DVD-ROM down gently so that it snaps onto the center ring.

3. Push the tray back into the drive.

To remove a disk under any DOS mode, do the following:

1. Check the LED display and make sure that the computer is not accessing the CD-ROM/DVD-ROM/Combo drive.
2. Open the compartment door of the drive and push the eject button to release the drive.
3. Carefully pick up the CD disk by the edges and – while pressing down on the center ring – remove the CD-ROM/DVD-ROM/Combo drive from the tray.





Do not insert any foreign objects into the disc tray. If you experience difficulty when ejecting the CD disk tray, stretch a paper clip (or use a pin or a thin metal rod) and insert it into the emergency eject hole located on the right side of the front panel. The CD disk tray should eject immediately. This procedure can also be used to remove a CD from the drive when the DeskNote is powered off.

Power Saving Modes

This section contains information on the DeskNote's power system, including the AC Adapter, the battery system, recharging the battery, and tips for conserving battery power.

The power system is comprised of two parts, the AC Adapter and the battery system. The AC Adapter converts AC power from a wall outlet to the DC power required by the computer.

Small Battery for the Real Time Clock

There is a small built-in battery pack that supplies power to the system in order to maintain certain system information while the power is off. If the DeskNote is left without a power source for long period of time, this battery will be exhausted and system information will be lost.



Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions. Never remove the battery pack while the power is on as this may result in data loss when the system loses power.

Resetting the System

After installing a software application package, you may be prompted to reset the system to load the changed operating environment. To reset the system, or “**reboot**,” press the **[Ctrl] + [Alt] + [Delete]** keys simultaneously. This is known as “**warm boot**.” This key combination acts as “**software**” reset switch when you encounter hardware or software problems, which lock up the DeskNote.

If this key combination does not shut down the DeskNote, you can reset the DeskNote by using the DeskNote’s power button. Should the DeskNote lock up for some reason, pressing this button powers the DeskNote off.

Adjusting the Brightness

To adjust the brightness on the LCD screen, press and hold down the **[Fn]** key in the lower left hand corner of the keyboard and press the **[F7]** key to reduce the brightness or **[F8]** to increase the brightness.

Chapter

4

***DeskNote Desktop
Operation***

Your DeskNote is capable of providing you with efficient and productive mobile computing, it also has the speed and capacity to service as a desktop system.

This chapter discusses those functions of your DeskNote that are typical of desktop systems.

Audio

The Multimedia Sound System

The DeskNote's built-in audio capabilities allow you to take advantage of a wide range of education and entertainment multimedia software. The DeskNote is equipped with two internal stereo speakers, a microphone, and input audio ports for external audio units.

An external microphone can be connected to the microphone jack. External speakers or headphones can be connected to the DeskNote's audio-out jack.

All audio features are software controlled. The DeskNote's multimedia sound system includes the following features:

- Supports Windows Sound System compatibility
- Full Duplex operation
- Dynamic filtering reduces noise and distortion rate
- 16-bit digitized audio playback
- A built-in microphone for convenient recording
- Two built-in stereo speakers
- Digitized audio recording through the DeskNote's built-in microphone or any external source

Audio Volume Control

The DeskNote is equipped with hot-key volume controls: Pressing the **[Fn] + [F3]** hot-key combination decreases the audio output volume, press the **[Fn] + [F4]** hot-key combination increases the audio output volume.

Audio Software

Your DeskNote comes equipped with an integrated sound system capable of providing you with quality audio sound through the built-in speakers or through external speakers connected via the system ports.

Sound Recording

Your system allows you to record sounds and store them as files using the microphone via the microphone jack on the right of the DeskNote computer. Check the Windows Help and Support Center in Windows for information on using the various elements in sound recording.



For a high-quality sound, click on the "Volume Control" at the lower right end of your screen. From the Volume Control windows, click on the "Advanced" tab, click and select the "Microphone Boost" item.

Playing Sound Files

Your DeskNote can play audio files stored in MIDI, WAVE or MP3 file format. Check the Help and Support Center in Windows for information on the functions of the Media Player.

External Speakers and Microphone

The sound system is capable in providing high-quality sound to external speakers and receiving and processing sounds from an external microphone or external sound source.

Connecting Peripheral Devices

To expand your computing capabilities, you can add a variety of external devices to your computer. You may, for example, want to add a mouse, or a printer.

The computer is equipped with several interface ports, including an enhanced parallel (printer) port, and USB ports. These are provided as a means of connecting peripheral devices to the computer.

Connect peripheral devices to the computer's interface ports as shown below:





Chapter
5

Running BIOS Setup

Introduction

The BIOS (Basic Input and Output System) Setup program is a menu driven utility that enables you to make changes to the system configuration and tailor your system to reflect installed hardware or alter system performance. When the DeskNote computer is turned back on, the system is configured with the values stored in CMOS.

Navigating through BIOS Setup

The Setup program has been designed to make it as easy to use as possible. If you accidentally make a setting and don't know which one to switch back to, the Setup program has a hot key that allows you to return to the previous value.

Accessing the BIOS Setup Program

To access the BIOS Setup program, press the Del key after the DeskNote computer has run through its POST.

Item Specific Help

On the right side of the Setup screen is an area labeled Item Specific Help. This area will list navigation key shortcuts and information that is specific for the item that you are currently editing.

The Menu Bar

The top of the screen has a menu bar with the following selections:

Standard CMOS Setup

Set the time and date. Configure disk drives.

Advanced CMOS Setup

This setup is used for configuring system options.

Peripheral Setup

Configure peripheral features.

Hardware Monitor Setup

Feature the system current status to determine the fan speed.

To access the menu bar items, press the **↑** up or **↓** down arrow key on the keyboard until the desired item is highlighted.

The Legend Bar

At the bottom of the Setup screen you will notice a legend bar. The keys in the legend bar allow you to navigate through the various setup menus.

The following table lists the keys found in the legend bar with their corresponding alternates and functions.

Legend Key	Function
Esc	Jumps to the Exit menu or returns to the Main menu from a submenu.
↑ or ↓	Moves the cursor up and down between fields.
PgUp/PgDn	Set to modify the field selected.

F2/F3	Set the color (8 colors) of the BIOS Setup screen.
F10	Save and Exit.
Enter	Will select a sub menu or show a range of options for a field.

Save Changes and Exit the Setup Program

Refer to the "Save Settings and Exit" section of this chapter for detailed information on saving changes and exiting the setup program.

The Standard CMOS Setup

When the Setup program is accessed, the following screen appears:

AMIBIOS SETUP - STANDARD CMOS SETUP																																							
(C)2000 American Megatrends, Inc. All Rights Reserved																																							
Date (mm/dd/yyyy): Fri Sep 07,2001					Base Memory: 640 KB																																		
Time (hh/mm/ss) : 19:58:00					Extd Memory: 111 MB																																		
<table border="0"> <thead> <tr> <th>Type</th> <th>Size</th> <th>Cyln</th> <th>Head</th> <th>Wpcom</th> <th>Sec</th> <th>LBA Mode</th> <th>Blk Mode</th> <th>PIO Mode</th> <th>32Bit Mode</th> </tr> </thead> <tbody> <tr> <td>Pri Master: Auto</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Sec Master: Auto</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>										Type	Size	Cyln	Head	Wpcom	Sec	LBA Mode	Blk Mode	PIO Mode	32Bit Mode	Pri Master: Auto										Sec Master: Auto									
Type	Size	Cyln	Head	Wpcom	Sec	LBA Mode	Blk Mode	PIO Mode	32Bit Mode																														
Pri Master: Auto																																							
Sec Master: Auto																																							
Boot Sector Virus Protection Disabled																																							
Month: Jan - Dec					ESC: Exit ↑↓:Sel																																		
Day: 01 - 31					PgUp/PgDn: Modify																																		
Year: 1901 - 2099					F1:Help F2/F3:Color																																		

Date/Time

The current values for each category are displayed. Enter new values through the keyboard.

Pri Master, Sec Master

Select one of these hard disk drive icons to configure the hard disk drive named in the option.

The Advanced CMOS Setup

When the Setup program is accessed, the following screen appears:

AMIBIOS SETUP - ADVANCED CMOS SETUP (C)2000 American Megatrends, Inc. All Rights Reserved		
CPU/DRAM Base Frequency	100/133MHz	Available Options: 100/100MHz 100/133MHz 100/166MHz 133/100MHz 133/133MHz 133/166MHz
Fine Tune CPU/DRAM Frequency	00 MHz	
DRAM CAS# Latency	2.5T	
Quick Boot	Enabled	
1st Boot Device	Disabled	
2nd Boot Device	CD/DVD	
3rd Boot Device	IDE-0	
S.M.A.R.T for Hard Disks	Disabled	
Touch Pad Support	Enabled	
PCI IDE BusMaster	Enabled	
Share Memory Size	32MB	
Graphic Win Size	64MB	
USB KB/Mouse/FDD Legacy Support	Enabled	
Primary Graphics Adapter	AGP	
AGP Select	4X	
		ESC: Exit ↑↓:Sel PgUp/PgDn: Modify F1:Help F2/F3:Color

CPU/DRAM Base Frequency

Set this option to select the CPU/DRAM base frequency for your system.

- ***The settings are 100/100MHz, 100/133MHz (default value) or 100/166 MHz***

Fine Tune CPU/DRAM Frequency

Set this option to select the CPU/DRAM frequency for your system.

- ***The settings are 100/100MHz, 100/133MHz (default value) or 100/166 MHz***

Quick Boot

Set this option to Enabled to instruct AMIBIOS to boot quickly when the computer is powered on.

- ***The settings are Disabled or Enabled (default value).***

1st Boot Device

This option sets the type of device for the first boot drives that the AMIBIOS attempts to boot from after AMIBIOS POST completes.

- ***The settings are Disabled, IDE-0 and CDROM.***

2nd Boot Device

This option sets the type of device for the second boot drives that AMIBIOS attempts to boot from after AMIBIOS POST completes.

- ***The settings are Disabled, IDE-0 and CDROM.***

3rd Boot Device

This option sets the type of device for the third boot drives that the AMIBIOS attempts to boot from after AMIBIOS POST completes.

- ***The settings are Disabled, IDE-0 and CDROM***

S.M.A.R.T. (Self-Monitoring, Analysis and Reporting Technology) for Hard Disks

Set this option to Enabled to permit AMIBIOS to use the SMART (System Management System and Reporting Technologies) protocol for reporting server system information over a network.

- ***The settings are Disabled (default value) and Enabled.***

TouchPad Support

Set this option to enabled or disabled the touchpad.

- ***The default setting is Enabled.***

PCI IDE BusMaster

Set this option to Enabled to specify that the IDE controller on the PCI bus has bus mastering capability.

- ***The settings are Disabled or Enabled (default value).***

Share Memory Size

This field shows the share memory size available.

- ***The settings are 8 (default value)/16M/32M***



If an external VGA card is present in your system, this field is not available for configuring.

Graphic Win Size

This field shows the graphic win size available.

- *The settings are 4M/8M/16M/32M/64M (default value)/128M/256M*

USB Keyboard/Mouse/FDD Legacy Support

Set this option to Enabled to enable support for older keyboards and mouse devices if the USB Function option is set to Enabled.

- *The settings are Enabled (default value) or Disabled.*

Primary Graphics Adapter

This is only a display-only item and cannot be altered.

AGP Select

AGP (Accelerated Graphics Port) is based on PCI and designed especially for the demands of 3-D graphics.

- *This is a display only item and can not be altered.*

The Peripheral Setup

AMIBIOS SETUP - PERIPHERAL SETUP		
(C)2000 American Megatrends, Inc. All Rights Reserved		
IR Port Support	Auto	Available Options: Auto Disabled 3F8h/COM1 2F8h/COM2 3E8h/COM3 2E8h/COM4
IR Mode Select	IrDA	
OnBoard Parallel Port	Auto	
Parallel Port Mode	EPP+ECP	
Parallel Port IRQ	Auto	
Parallel Port DMA	Auto	
OnBoard PCI IDE	Both	
		ESC: Exit ↑↓:Sel PgUp/PgDn: Modify F1:Help F2/F3:Color

IR Port Support

This option specifies the IR port address for the IR Port.

-
- *The settings are Auto, Disabled, 3F8W/COM1, 2F8h/COM2, 3E8h/COM3, 2E8h/COM4*

IR Mode Select

This option specifies the infrared transmission method.

- *The settings are SIR (default value)*

OnBoard Parallel Port

This option specifies the base I/O port address of the parallel port on the motherboard.

- *The settings are auto (default value), Disabled, 378h/278h/3Bch.*

Parallel Port Mode

This field allows you to set the communication mode of the Parallel Port.

- *The settings are SPP, EPP, ECP or EPP+ECP (default value)*

Parallel Port IRQ

This field display the parallel port IRQ set in your system.

Parallel Port DMA

This field display the parallel port DMA channel set in your system.

OnBoard PCI IDE

This field is used to configure the IDE HDD installed in the system. To configure, move the PgUp key to select the setting.

➤ *The settings are Disabled, Primary, Secondary or Both.*

Auto-Detect Hard Disk

When Auto-Detect Hard Disk is selected, the BIOS will automatically detect Pri Master and Sec Master Settings.

Change User Password

This field will show *Set* when you have set a User password as described below. If you have not set the User Password, the field will show *Clear*. This is a display only field.

Change Supervisor Password

This field allows you to set the Supervisor password. To set the Supervisor password, highlight this field and press the [Enter] key. The following dialog box appears:

Enter new supervisor password:

Auto Configuration with Optimal Settings

The optimal default settings are best-case values that should optimize system performance. To set the configuration, highlight this field and press the [Enter] key. The following dialog box appears:

Load high performance settings [Y/N] ?

Save Settings and Exit

This option saves your selections and exit the Setup program.

Save current settings and exit [Y/N] ?

Exit Without Saving

This option should only be used if you do not want to save the changes you have made to the Setup program.

Quit without saving [Y/N] ?

Chapter

6

***The Software Utilities
Disks***



There are two separate procedures on how to install the driver: AutoRun installation and Manual installation.

AutoRun Installation

- Follow the step-by-step procedures on the CD-ROM/DVD-ROM to execute the “AutoRun” application by selecting the topic of “Driver Installation”.
- To re-run the “AutoRun” installation, please refer to the procedures on the “Manual Installation” for a more detailed explanation.

Installing VGA Display Drivers for Win98SE/2K/ME/XP

AGP Driver

This section describes the operation and installation of VGA AGP display software drivers supplied on the Driver Utility CD-ROM that is shipped with your computer.

1. Insert the CD-ROM Driver into your CD-ROM/DVD-ROM drive.
2. Click “Start” and select “Run”.
3. Type the following: D:\VGA\AGP\A980\SiSSetup.exe (If D is not your CD-ROM/DVD-ROM drive, substitute D with the correct drive letter).
4. Follow the Wizard’s on-screen instructions to complete the installation.
5. Restart the system.

NVidia

This section describes the operation and installation of NVidia VGA display software drivers supplied on the Driver Utility CD-ROM that is shipped with your computer.

1. Insert the CD-ROM Driver into your CD-ROM/DVD-ROM drive.
2. Click “Start” and select “Run”.
3. Type the following: D:\VGA\NVidia\Win2K_XP\Setup.exe or D:\VGA\NVidia\Win98_ME\Setup.exe (If D is not your CD-ROM/DVD-ROM drive, substitute D with the correct drive letter).
4. Click on “Setup” to begin the Installation Wizard.
5. Follow the Wizard’s on-screen instructions to complete the installation.
6. Restart the system.

SiS

This section describes the operation and installation of SiSs VGA display software drivers supplied on the Driver Utility CD-ROM that is shipped with your computer.

1. Insert the CD-ROM Driver into your CD-ROM/DVD-ROM drive.
2. Click “Start” and select “Run”.
3. Type the following: D:\VGA\SiS\Win2K&XP\Setup.exe or D:\VGA\SiS\Win98&ME\Setup.exe (If D is not your CD-ROM/DVD-ROM drive, substitute D with the correct drive letter).
4. Click on “Setup” to begin the Installation Wizard.

-
5. Follow the Wizard's on-screen instructions to complete the installation.
 6. Restart the system.

Intalling the Audio Driver for Win98SE/2K/Me/XP

To install the audio driver you must first remove the currently installed driver.

1. Insert the CD-ROM Driver into your CD-ROM/DVD-ROM drive.
2. Click "Start" and Select "Run".
3. Type the following: D:\Audio\A980\Setup.exe (If D is not your CD-ROM/DVD-ROM drive, substitute D with the correct drive letter).
4. Click on "Setup" to begin the Installation Wizard.
5. Follow the Wizard's on-screen instructions to complete the installation.
6. Restart the system.

Intalling the LAN Driver for Win98SE/2K/Me/XP

To install the LAN driver you must first remove the currently installed driver.

1. Insert the CD-ROM Driver into your CD-ROM/DVD-ROM drive.
2. Click "Start" and Select "Run".
3. Type the following: D:\LAN\A980\Setup.exe (If D is not your CD-ROM/DVD-ROM drive, substitute D with the correct drive letter).
4. Click on "Setup" to begin the Installation Wizard.

-
5. Follow the Wizard's on-screen instructions to complete the installation.
 6. Restart the system.

Installing the Keyboard Driver for win98SE/2K/ME/XP

1. Insert the CD-ROM Driver into your CD-ROM/DVD-ROM drive.
2. Click "Start" and Select "Run".
3. Type the following: D:\keyboard\A980\Setup.exe (If D is not your CD-ROM/DVD-ROM drive, substitute D with the correct drive letter).
4. Click on "Setup" to begin the Installation Wizard.
5. Follow the Wizard's on-screen instructions to complete the installation.
6. Restart the system.

Installing the Hotkey Driver

To install the Hotkey driver you must first remove the currently installed driver.

1. Insert the CD-ROM Driver into your CD-ROM/DVD-ROM drive.
2. Click "Start" and Select "Run".
3. Type the following: D:\Hotkey\Setup.exe (If D is not your CD-ROM/DVD-ROM drive, substitute D with the correct drive letter).
4. Click on "Setup" to begin the Installation Wizard.
5. Follow the Wizard's on-screen instructions to complete the installation.

-
6. Restart the system.

Installing the USB20 Driver for Win98SE/2K/ME/XP

To install the USB20 driver you must first remove the currently installed driver.

1. Insert the CD-ROM Driver into your CD-ROM/DVD-ROM drive.
2. Click “Start” and Select “Run”.
3. Type the following: D:\USB\A980\USB20.exe (If D is not your CD-ROM/DVD-ROM drive, substitute D with the correct drive letter).
4. Click on “USB20” to begin the Installation Wizard.
5. Follow the Wizard’ s on-screen instructions to complete the installation.
6. Restart the system.

Manual Installation

To install the driver manually, follow the step-by-step procedures described on each individual section for a more clear installation.

Installing the Modem Driver for WinXP

Please follow these instructions to install the Modem driver:

1. From your screen, click on the "My Computer" icon and use your mouse or touchpad right button to select the "Properties" item.
2. Click on the "Hardware" tab from the "System Properties" dialog window.

-
3. Click on the "Other Device" (denoted by a yellow mark symbol), select the "PCI Modem" .
 4. Click the "Re-install Driver" tab and select the "Install from a list or specific location (Advanced)" item.
 5. Select the "Include this location in the search" item.
 6. Select the "Browse" button from the "Include this location in the search" and specify for the designate location of your CD driver.

Installing the Modem Driver for Win2K

Please follow these instructions to install the Modem driver:

1. From your screen, click on the "My Computer" icon and use your mouse or touchpad right button to select the "Properties" item.
2. Click on the "Hardware" tab from the "System Properties" dialog window.
3. Select the "PCI Device" in the "Other Devices" group (denoted by a yellow mark symbol).
4. Click the "Reinstall Driver" tab and select the "Search for a suitable driver for my device(recommand)" item.
5. Select the "Hardware types (Modems)".
6. Click on the "Specify a location" and click the "Browse" button and specify for the designate location of your CD driver.

Installing the Modem Driver for Win98SE/ME

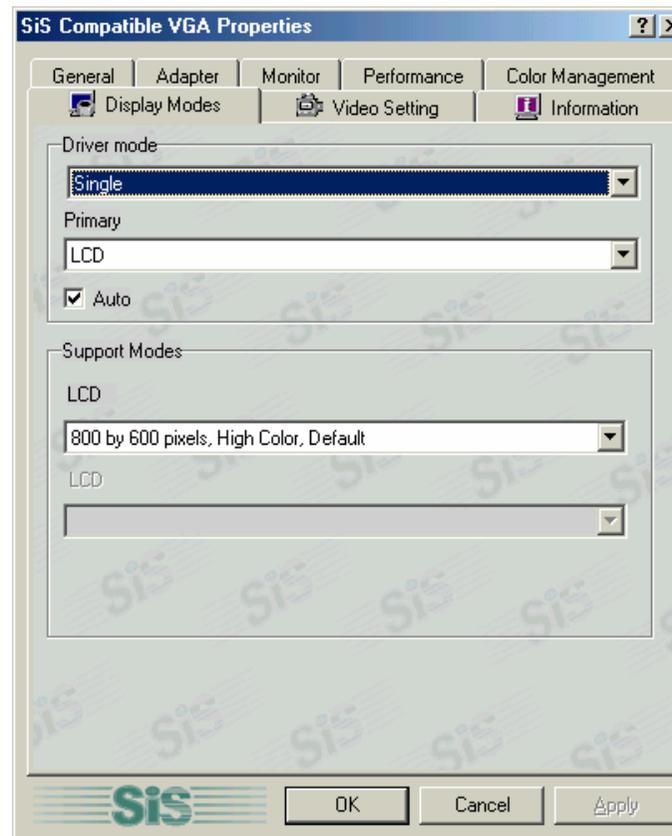
Please follow these instructions to install the Modem driver:

-
1. From your screen, click on the "My Computer" icon and use your mouse or touchpad right button to select the "Properties" item.
 2. Click on the "Device Manager" and select the "PCI Card" item.
 3. Use your mouse cursor to double click the "Reinstall Driver" item.
 4. Select the "Search for a better driver than the one your device is using now.(recommand)" item and click on the "Specify a location" item.
 5. Select the "Browse" button from the "Include this location in the search" item and specify for the designate location of your CD driver.

SiS's Windows 98SE/ME VGA Utilities

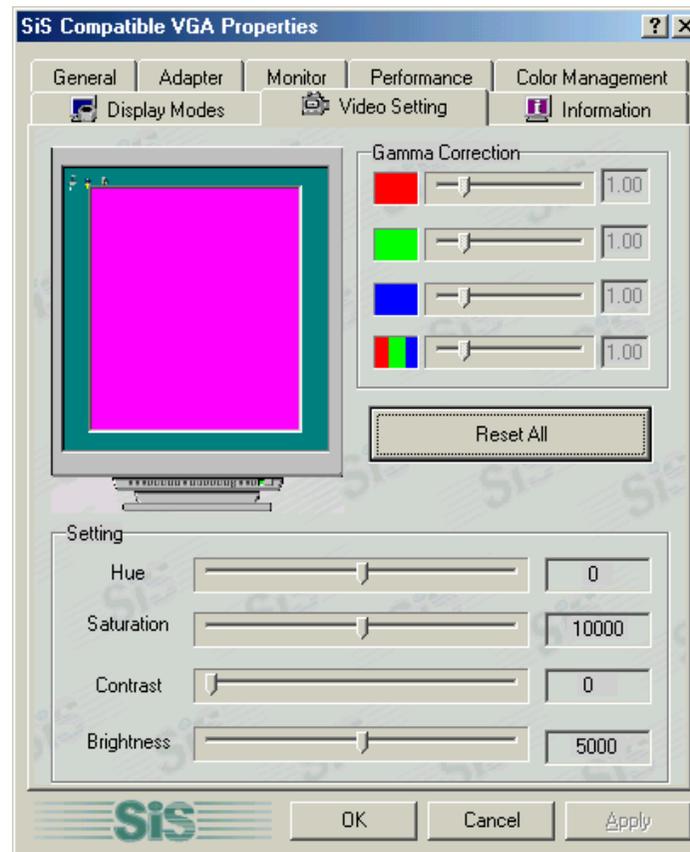
After you have restarted Windows, open the “**Control Panel**” and double click on the “**Display**” icon. From the “**Display Properties**” window, select the “**Settings**” tab and click on the “**Advanced**” tab to enter the "SiS 651Properties" window.

Display Modes



This setting lets you adjust for the right resolution of your screen display.

Video Setting



This dialog box has the following scroll bars and buttons for controlling the color components of the video image.

Brightness

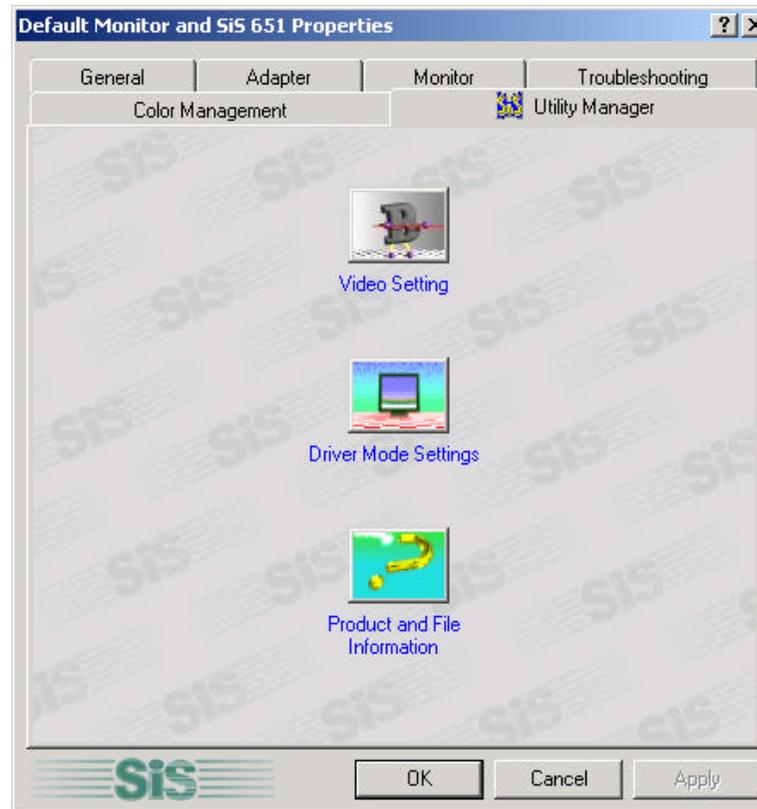
Use this scroll bar to adjust the overall intensity of light emitted by the video display.

Contrast

Use this scroll bar to adjust the contrast level between the bright and dark areas of the video image. The higher the contrast, the brighter the bright areas and the darker the dark areas, and vice

Windows 2K/XP VGA Utilities

Utility Manager



Video Setting

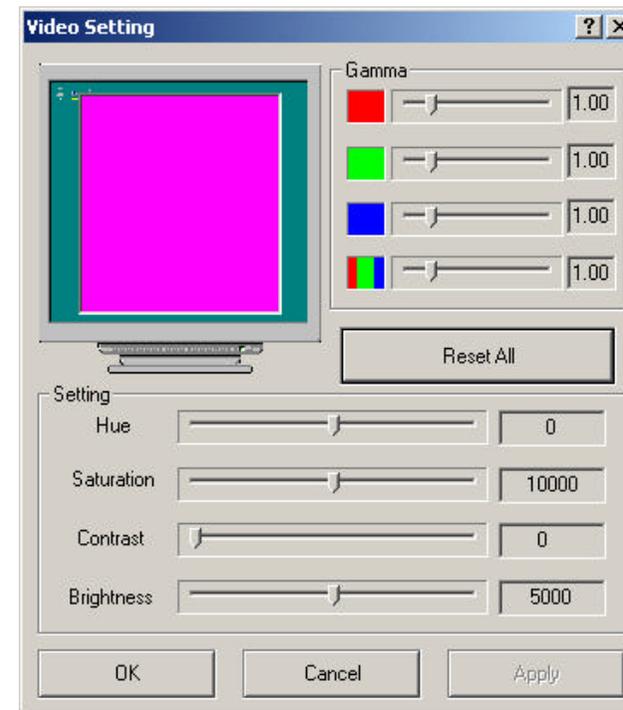
This dialog box has the following scroll bars and buttons for controlling the color components of the video image.

Brightness

Use this scroll bar to adjust the overall intensity of light emitted by the video display.

Contrast

Use this scroll bar to adjust the contrast level between the bright and dark areas of the video image. The higher the contrast, the brighter the bright areas and the darker the dark areas, and vice versa.



GeForce Windows VGA Utilities

nView

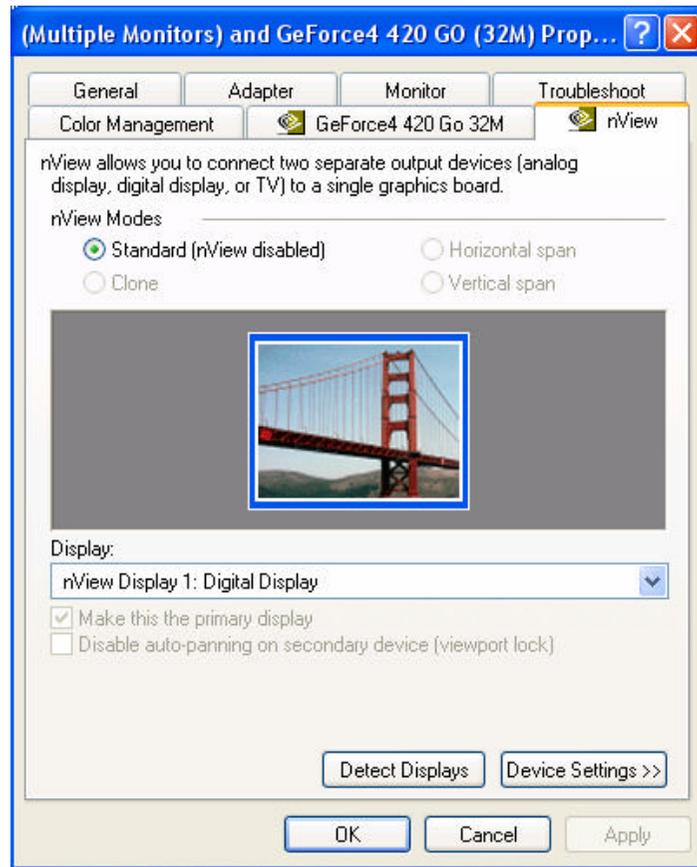
The nView allows you to connect two separate output devices to a single graphics board. The available settings are *Standard*, *Clone*, *Horizontal span* and *Vertical span*.



This application is only applicable when an external monitor is connected to your system.

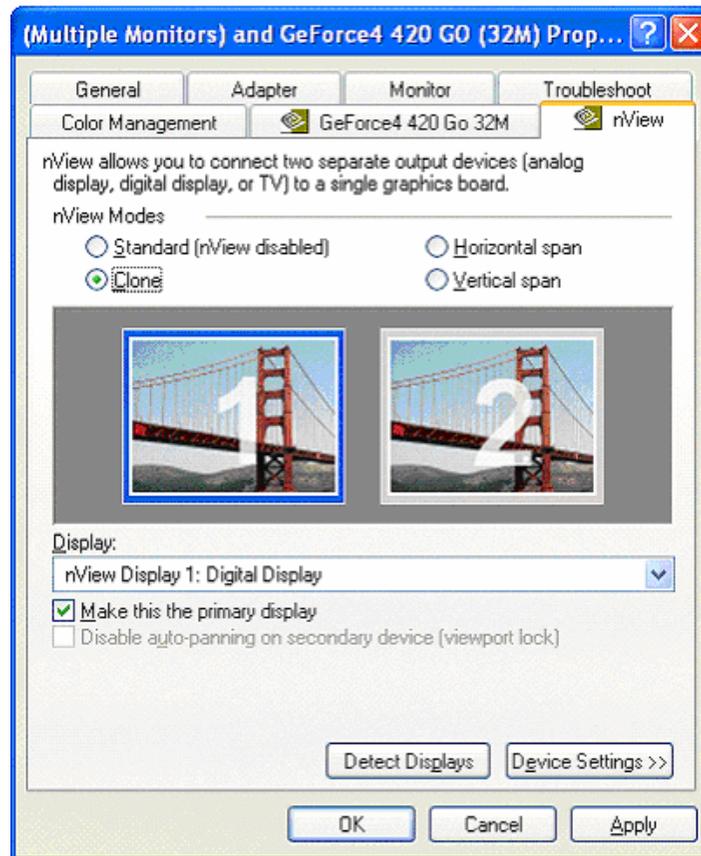
Standard

Both your DeskNote screen and external monitor screen display the same image.



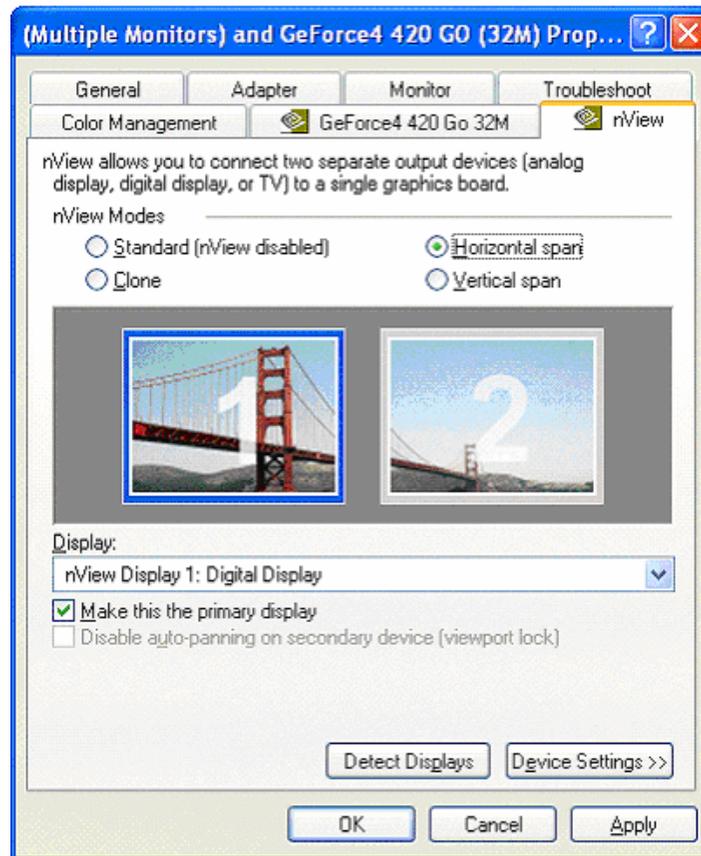
Clone

This application displays a replica of the image on your screen.



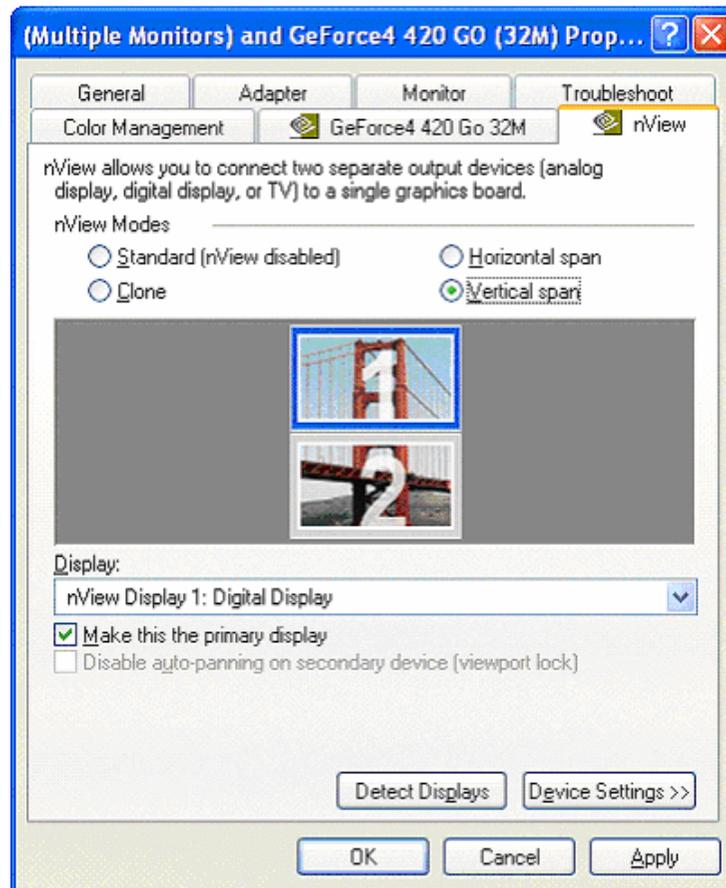
Horizontal Span

This application extend the screen image horizontally on two separate window displays.

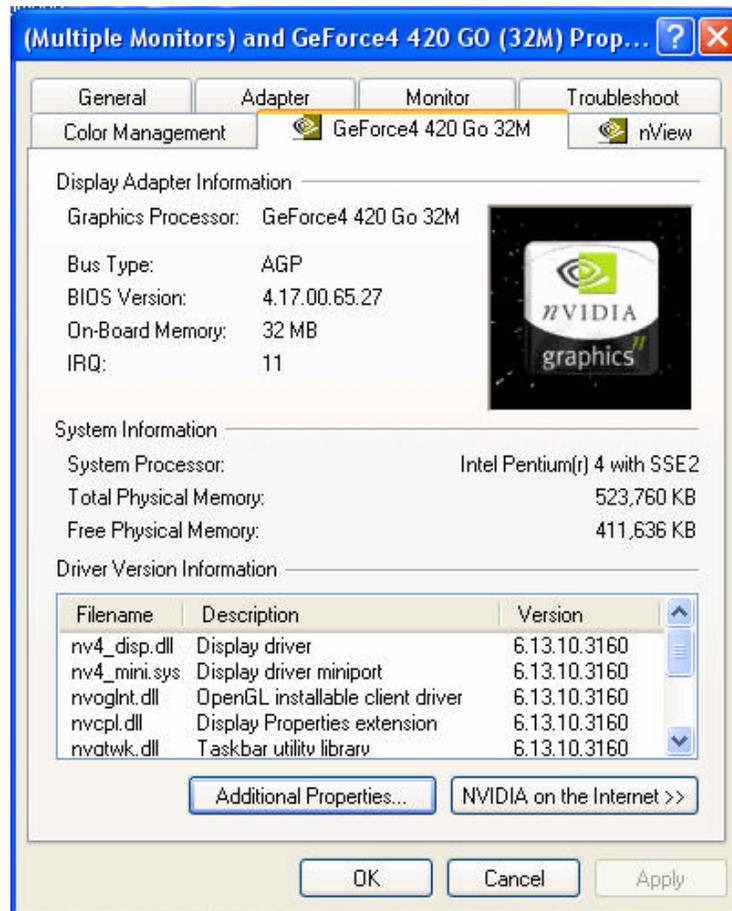


Vertical Span

This application extend the screen image vertically on two separate window displays.

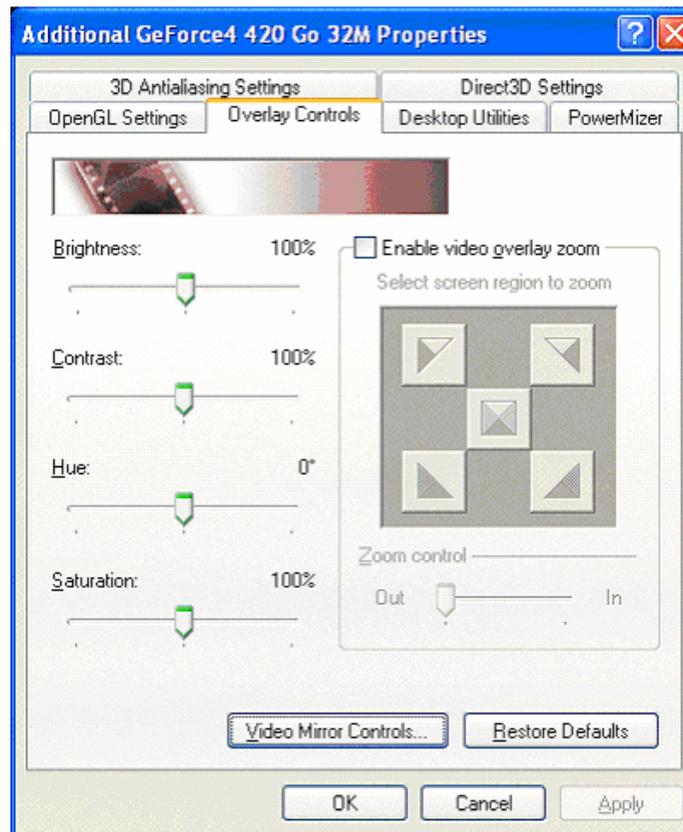


GeForce 420 Go 32M



Overlay Controls

This dialog box has the following scroll bars and buttons for controlling the color components of the video image.



Video Mirror Controls

This application is used to control the display properties of your image either on your DeskNote screen or on external display.

Disable

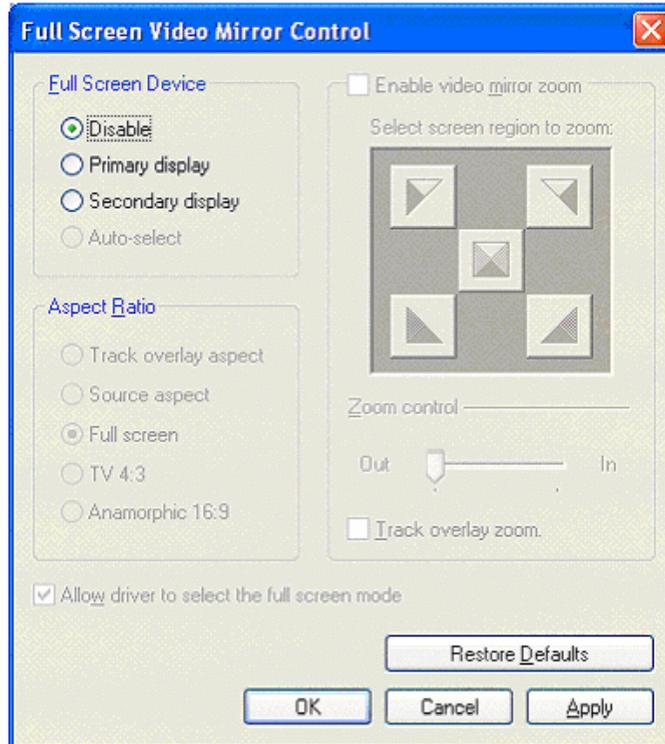
This setting allows the image to display on both screen of your DeskNote and external monitor.

Primary display

Choose this setting if you want to display the image on your DeskNote only.

Secondary display

Choose this setting if you want to display the image on an external monitor screen.



Chapter

7

Troubleshooting

This chapter describes locating and solving problems that you may encounter while using your computer.

Locating a Problem

Problems with your computer can be caused by something as minor as an unplugged power cord – or as major as a damaged hard disk. The information in this chapter is designed to help you find and solve minor problems. If you try all the suggested solutions and you still have a problem, make a list of what steps you have taken to correct the problem and contact your dealer.

Successful troubleshooting is the result of careful observation, deductive reasoning, and an organized approach to solving the problem.

The problems that you will encounter can be divided into two basic categories: hardware problems and software problems. Hardware problems can be further divided into electrical and mechanical problems. You will know you have a hardware problem if the screen is dark, the computer cannot read the disk drives, or you get an error message during the Power-On Self Test (POST).

Software errors can occur at several levels. The ROM BIOS and the operating system can give you a large number of error messages. On top of this, each application software package has its own set of error messages. It is important to determine whether the software error message you are getting is from the application or the operating system. Once you know this, you can look in the respective manual for a solution to the problem.

Checking Cables and Connections

Start by performing a careful visual inspection of the exterior of the computer. If no LEDs are illuminated, make sure that your computer and its peripherals are getting power and communicating

with each other properly.

To check the power cables, and connections:

1. If you have been using battery power, connect the DeskNote to an external power source and make sure that the battery has a charge.
2. If you are using the DeskNote with the AC adapter, check the power outlet, the power cord, and any power switches that may affect your computer.
 - Check the wall outlet or power strip with an item that you know is functioning properly. A lamp or radio is a convenient item for checking the power. You may also need to check the fuses and breakers in your electric box.
 - If the outlet is controlled by a wall switch, make sure that the switch is on.
 - If the outlet is controlled by a dimmer switch, use a different outlet.
 - If your computer is plugged into a power strip with an On/Off switch, make sure the switch is on.
3. With the computer's power switched off, check all cable connections. If the computer is connected to any peripheral devices, look for loose or disconnected cables.

If the computer is too close to a wall, a cable connection may be loose or the cables may be crimped.



Do not substitute cables for different devices (other than the manufacturer recommended cables) even if they look exactly alike. The wiring inside the cable may be different.

4. When you are certain that you have power available and all connections are good, turn the computer on again. If the computer still does not start, you may have a hardware problem.

The Power-On Self Test

The Power-On Self Test (POST) runs every time you turn on or reset the DeskNote. The POST checks memory, the main system board, the display, the keyboard, the disk drives, and other installed options.

A few seconds after you turn on your computer, a copyright message appears on your display screen. A memory test message appears next; as the test continues, memory size increases until all installed memory is tested. Normally, the only test routine visible on the screen will be the memory test.

Two classifications of malfunctions can be detected during the POST:

- Error messages that indicate a failure with either the hardware, the software, or the *Basic Input/Output System* (BIOS). These *critical malfunctions* prevent the computer from operating at all or could cause incorrect and apparent results. An example of a critical error is microprocessor malfunction.
- Messages that furnish important information on the power-on and boot processes (such as memory status). These *non-critical malfunctions* are those that cause incorrect results that may not be readily apparent. An example of a non-critical error would be a memory chip failure.

In general, if the POST detects a system board failure (a critical error), the computer halts and generates a series of beeps. If failure is detected in an area other than the system board (such as the display, keyboard, or an adapter card) an error message is displayed on the screen and testing is stopped. It is important to remember that the POST does not test all areas of the computer, only those that allow it to be operational enough to run diagnostic programs.

If your system does not successfully complete the POST, but displays a blank screen, emits a series of beeps, or displays an error code, consult your dealer.

General Hardware Problems

A few common hardware problems and suggested solutions are presented in the table below:

Problem: Failure in the installation of the Audio driver.

Solution: Be sure to first remove the current audio device from your system. Please follow the instruction on the installation of audio driver.

Problem: The display screen is dark

Solution: Make sure that the computer is not in Suspend mode. Check the Brightness controls for the screen. If the controls are turned too far down, the screen will be dark.

Problem: An incorrect date and time are displayed.

Solution: Correct the date and time using the DOS DATE and TIME commands or the options in the Setup Utility. If the date and time become incorrect after a short time, your CMOS battery may be depleted. Contact your dealer to change the battery.

Problem: The message: "Invalid system disk, Replace the disk, and then press any key" appears during boot.

Solution: Check and make sure that you do not have a non-bootable floppy diskette inserted in your floppy drive. If your FDD is empty, you may not have an operating system installed on your drive. Contact technical support for assistance.

Problem: You hear irregular beeps during operation of the DeskNote and the system halts.

Solution: The problem is beyond the scope of this manual. Contact technical support.

Problem: An unidentified message is displayed.

Solution: Reboot the computer and run the BIOS system setup. Confirm the Setup parameters. If the same message is displayed after booting up again, contact technical support for assistance.

Problem: The system cannot access the CD-ROM/DVD-ROM drive.

Solution: Check that a CD is properly inserted in the drive. Make sure that you are using the correct program for that kind of CD. For example, the system cannot read a data CD using an audio program.

Problem: You cannot operate the printer.

Solution: Check the printer cable connection. Ensure that the printer power switch is turned on. Confirm that the printer is on-line.

Problem: You can't save data to disk.

Solution: Ensure that the disk has been formatted. Consult your operating system manual for information on formatting floppy diskettes.

Problem: The diskette is write-protected.

Solution: Eject the diskette, remove the write protection, and try again.

Problem: The diskette is full.

Solution: Try using another diskette or free up some space on the diskette. The disk drive is not operating. Contact your dealer for support.

Problem: You cannot use the mouse.

- Check the cable connection.
- Check the mouse with another application to see if there is a software incompatibility problem.
- If possible, check the mouse with another computer to see if it works. If it doesn't operate on a different system, the mouse might be broken.

Contacting Your Dealer

If you still have a problem after reading the preceding sections, the next step is to contact your dealer. Your dealer can determine if the problem is something that requires the computer to be taken to the shop. Before you call your dealer, however, prepare the following information:

- How is your computer configured? Your dealer needs to know what peripheral devices you are using.
- What messages, if any, are on the screen?
- What software were you running at the time?
- What have you done already to try to solve the problem? If you have overlooked a step, your dealer may be able to solve the problem over the phone.

Chapter

8

***How do I expand my
DeskNote***

Upgrading your Memory

Refer to the following instructions and illustration for information on upgrading your DeskNote's memory.

1. Turn off the computer and disconnect the AC adapter and all peripherals.
2. Turn the DeskNote over so that the rear ports are facing you and locate the memory module compartment.
3. Remove the screws that secure the RAM module compartment cover and set it aside in a safe place.
4. Remove the compartment cover and then angling it up and out.
5. If you need to install a higher capacity module, gently push the edge clips on both sides to release the module. Angle the card slightly upward and gently slide it from its edge connector slot. Store the card in the anti-static bag that contains your new module(s).



6. To install the new memory card, hold the card with its gold edge connector toward the edge connector slot of the compartment. To help you orient the cards, the edge connector has been made with two unequal-length sections. You will only be able to insert the card in one direction.
7. Insert the edge connector into the slot. The gold edge connector of the card should not be visible when the card is fully inserted.

-
8. Press the card downward where you should hear an audible click as the latches of the connector secure the card in place.
 9. Once the module is properly seated, you can replace the cover on this compartment.
 10. Replace and tighten the screw.

Easy to Upgrade HDD Module

The hard drive in your DeskNote computer is made to be easily swapped out for upgrading. You should back up your hard drive before attempting to change the hard drive.



Make sure that before you install a new drive, all the files in your system should be backed up.

To upgrade your Hard Drive

1. Power down the system completely. Turn the system over with the front of the unit facing you.
2. Remove the two screws that secure the compartment cover and set them in a safe place.
3. Slide the HDD cover away from the compartment.
4. The drive is attached to a special bracket that secures it to the DeskNote computer.
5. Gently hold the grip of the HDD, lift it up to release from its compartment.



6. To install the new HDD, you will need to align the tabs on the drive bracket with the slots on the bay. Press down gently on the drive bracket until it engages with the system. Do not force the drive into place this can bend the pins on the hard drive.
7. Slide the compartment cover into place and be sure the screw holes on the cover align completely with the screw holes in the case.
8. Secure the cover with the screws.

Appendix

A

Specification

Detailed DeskNote Specifications

General

CPU

- Intel FC-PGA2 Celeron series 1.7GHz/ 1.8GHz/ 2.0GHz CPU, Willamette core, 128KB L2 cache on die, CPU front-side bus 400MHz, 0.18u/0.13u core
- Intel FC-PGA2 P4 series 1.4GHz/ 1.5GHz/ 1.6GHz/ 1.7GHz/ 1.8GHz/ 1.9GHz/ 2.0GHz CPU, Willamette core, 256KB L2 cache on die, CPU front-side bus 400MHz, 0.18u core
- Intel FC-PGA2 P4 series 1.8AGHz/ 2.0AGHz/ 2.2GHz/ 2.4GHz/ 2.5GHz/ 2.6GHz CPU, Northwood core, 512KB L2 cache on die, CPU front-side bus 400MHz, 0.13u core
- Intel FC-PGA2 P4 series 2.26GHz/ 2.4GHz/ 2.53GHz/ 2.66GHz/ 2.8GHz CPU, Northwood core, 512KB L2 cache on die, CPU front-side bus 533MHz, 0.13u core
- 478 pin mPGA478 socket

Memory

Main Memory

- 0MB on board, expandable up to 1GB with 512Mb technology
- 64/ 128/ 256/ 512 MB memory options
- One 184 pin DDR RAM slot
- Supports 2.5V 200/266/333 MHz DDR RAM

ROM

- 512KB Flash ROM
- Boot block protection

Core Logic

- SiS651, SiS962
- 4X AGP bus interface
- Supports host bus at 400MHz and 533MHz
- 533MB/s high bandwidth MuTIOL between SiS651 and SiS962
- AGP v2.0 compliant
- 3.3V PCI version 2.2 compliance
- ACPI v1.0b compliance
- I/O APIC

Mass Storage

HDD

- Support Enhanced IDE (PIO mode 4) and bus master (Ultra DMA 33/66/100 mode)
- Easily upgradable 2.5" 9.5mm HDD

Optical Storage

- Built-in 5.25" 12.7mm height CD-ROM/ DVD-ROM/ Combo Drive (factory option)
- IDE interface CD-ROM/ DVD-ROM/ Combo Drive

Pointing Devices

- Synaptics TouchPad

-
- Support four way scrolling feature

Keyboard

- US/Europe, DOS/V keyboard for Japan, full size keyboard alike pitch
- 300 mm keyboard with key stroke 3.0mm
- Twelve function keys and Windows Function key
- Internal keyboard works a standard 101/102 desktop keyboard
- 3 short-cut keys: WWW, eMail & CD-ROM Eject button

Audio

Controller

-
- PCI chip C-Media CM9738

Features

-
- Dual full-duplex Direct Sound Channels
 - Hardware SoundBlaster Pro for real-mode DOS legacy compatibility
 - 16-bit ADC & DAC resolution
 - Support S/PDIF out
 - Supports 6 channels of AC' 97 2.2 compliance audio for 5.1-channel Dolby Digital Material for DVD Movies
 - PC2001 compliant

I/O Ports

I / O controller

- ITE 8705F

Standard Ports

- One parallel port supported EPP / ECP (25-pin female D-connector)
- One DC input port for External AC adapter (3-pin DC jack)
- One video port for external analog VGA monitor (15-pin female D-connector)
- USB 2.0 port x 4
- MIC-in
- Line-In or Rear speaker for 5.1 channel output
- Headphone jack w/ adapter for 5.1 channel S/PDIF support, or Front speaker for 5.1 channel output
- Base/Center speaker for 5.1 channel output
- RJ-11 jack for Fax/Modem
- RJ-45 jack for LAN
- IEEE 1394 jack
- IEEE 1394 mini-jack (external power needed for IEEE 1394 device)
- SIR

LAN

- MAC : built-in SiS962
- PHY : Realtek RTL8201BL, Transformer : PCNet HT2001

-
- IEEE 802.3 and IEEE 802.3x compliant
 - Full duplex 10 Base-T, 100 Base-T Ethernet

IEEE 1394

- Controller : built-in SiS962
- 1394 OHCI v1.0 and v1.1 compliant
- Integrated IEEE 1394 OHCI-link and one port of IEEE 1394 PHY, Realtek RTL8801B
- Data transfer rate : 100/200/400 Mbit/s

USB2.0

- Controller : built-in SiS962
- Integrated two UHCI host controller cores for full-speed (12Mbit/s) USB device / low-speed (1.5Mbit/s) USB device and one EHCI host controller core for high-speed (480Mbit/s) device

SIR

- IrDA 1.3 standard compliant, up to 115.2Kbit/s

Video System

Controller

- Built-in chipset SiS651, with SiS315 graphic core

Features

- High performance 256bit 3D graphics engine, up to 143MHz 3D engine clock
- Supports Ultra-AGP™ 2.7GB/s bandwidth, AGP 2.0 interface, 4X
- Supports up to 2048*1536*32bit (true color) colors mode on external CRT @75Hz NI

- Supports 1600*1200*256K colors UXGA TFT LCD through external 2 channel LVDS transmitter

Graphic Memory

- Share Memory Architecture (SMA), supports 8/16/32/64MB DDR frame buffer (user adjustable in BIOS)

LCD Display

- Supports 15.0" TFT XGA/ 14.1" TFT XGA notebook LCD and 15.0" TFT XGA monitor LCD
- Models:

15.0" XGA TFT notebook LCD	AU :	B150XN01
	LG :	LP150X2-A2M1
	Samsung :	LTN150XD-L02
	Hannstar :	HSD150PX11-B
	Hydis :	HT15X31-100
15.0" XGA TFT monitor LCD	Hannstar :	HSD150SX84/HSD150MX49-A
	AU :	M150XN05
14.1" XGA TFT	QDI :	QD141X1LH03

Electrical

AC Adapter

- External universal type AC adapter, output maximum 120W

Dimensions

With Notebook LCD Panel

- 342.0 mm (W) x 300.0 mm (D) x 29.0 mm/46.2mm/52.3mm(H)
- 13.46" (W) x 11.8" (D) x 1.14"/1.82"/2.06"(H)

With Monitor LCD Panel

- 342.0 mm (W) x 300.0 mm (D) x 33.7 mm/57.3mm/65mm(H)
- 13.46" (W) x 11.8" (D) x 1.32"/2.25"/2.56"(H)

Weight

- 3.25kg (7.16 lbs) with 15.0" notebook LCD panel and DVD-ROM Drive installed
- 4.20kg (9.25 lbs) with 15.0" monitor LCD panel and DVD-ROM Drive installed

Operating Environment

Temperature

- Operating: 5°C ~ 35°C
- Storage: -20°C ~ 60°C

Humidity

- Operating: 30% ~ 90% (non-condensing)
- Non-operating: 10% ~ 90% (non-condensing)

Altitude

- Operating: -200 to 10,000 feet above sea level
- Non-operating: -200 to 30,000 feet above sea level.

Options

- External 8-cell, 12-cell or 16-cell Li-Ion Battery Pack
- Memory Extension Card
- Upgrade proprietary Graphic Card
- Factory option : CD-ROM/ DVD-ROM/ Combo(DVD-ROM+CD-RW) Drive

Accessories

- User's manual (option)
- Driver CD title
- AC adapter
- Power cord

Software Specifications

System BIOS

- AMI BIOS

VGA BIOS

- SiS 315 VGA BIOS (Option : nVidia MAP17 VGA BIOS when ships with optional nVidia MAP17 graphic card)

Operating system

- Optional Windows XP or above version
- Optional Windows ME or above version
- Optional Windows 2000 or above version
- Optional Windows 98SE or above version in Simplified Chinese

Device Drivers and Utilities

- VGA driver, Audio driver, 1394 driver, Touch-Pad driver, Modem driver, LAN driver, USB 2.0 driver (for Windows XP and Windows2000 only)

Regulation

Safety

- cUL, TUV, CB, CCC

EMI

- DoC, CE, BSMI, VCCI

Logo

- PC2001 Certified

MTBF

- 25K hrs, 90% confidence level