

# DeskNote Computer

## *User's Guide*

---

## Preface

---

©Copyright 2002

All Rights Reserved.

Manual edition, October 2002

Document Number A907

The information in this document is subject to change without prior notice in order to improve reliability, design and function and does not represent a commitment on the part of the manufacturer.

In no event will the manufacturer be liable for direct, indirect, special, incidental, or consequential damages arising out of the use or inability to use the product or documentation, even if advised of the possibility of such damages.

This document contains proprietary information protected by copyright. All rights are reserved. No part of this manual may be reproduced by any mechanical, electronic, or other means in any form without prior written permission of the manufacturer.

### *Limitation of Liability*

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: Rated input 100-240 Vac, 50-60 or 47-63Hz, 1.5A maximum; output 12 Vdc, 3.75A min., 45W; Marked "Limited Power Source" or "LPS" on the unit. 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 worked 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 .75mm<sup>2</sup> 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 H03VV-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:
    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 dirse 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 .75m m<sup>2</sup> 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 H03VV-F sein.
  - 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:
- 1.** Benutzen Sie das Gerät nicht in der Nähe von Wasser, wie zum Beispiel Badewanne, Waschbecken, Spülbecken, Waschtisch, in feuchten Kellerräumen oder in der Nähe von Schwimmbecken.
  - 2.** Benutzen Sie kein Telefon (ausgenommen schnurlose Modelle) während eines Gewitters. Es besteht das geringe Restrisiko eines Blitzschlages.
  - 3.** Benutzen Sie das Telefon nicht um ein Gasleck zu melden, falls es sich in der Nähe des Lecks befindet.
  - 4.** 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 DeskNote 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 computer. Your DeskNote features the latest advances in portable computing technology. The DeskNote is designed for those who need the full power of a desktop PC with a modular design to provide maximum expandability without compromising portability.

The high-performance CPU and enhanced IDE hard drive provide you with extra processing power for handling complex graphics and running large programs. The DeskNote features a factory fixed expansion module; a 5¼" CD-ROM or DVD-ROM/CD-RW drive.

To keep pace with the accelerated advances in technology, your DeskNote provides extensive upgrade options, an upgradeable hard disk drive and an upgradeable DIMM.

## Unpacking the DeskNote

---

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

- The DeskNote computer
- An AC/DC adapter
- An AC power cord
- Phone cable
- The User's manual/Software Drivers CD title

---

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 DeskNote 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 DeskNote 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.

## **Accessories and Optional Devices**

---

- USB Key pad
- USB FDD
- External Battery (optional)

## **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.

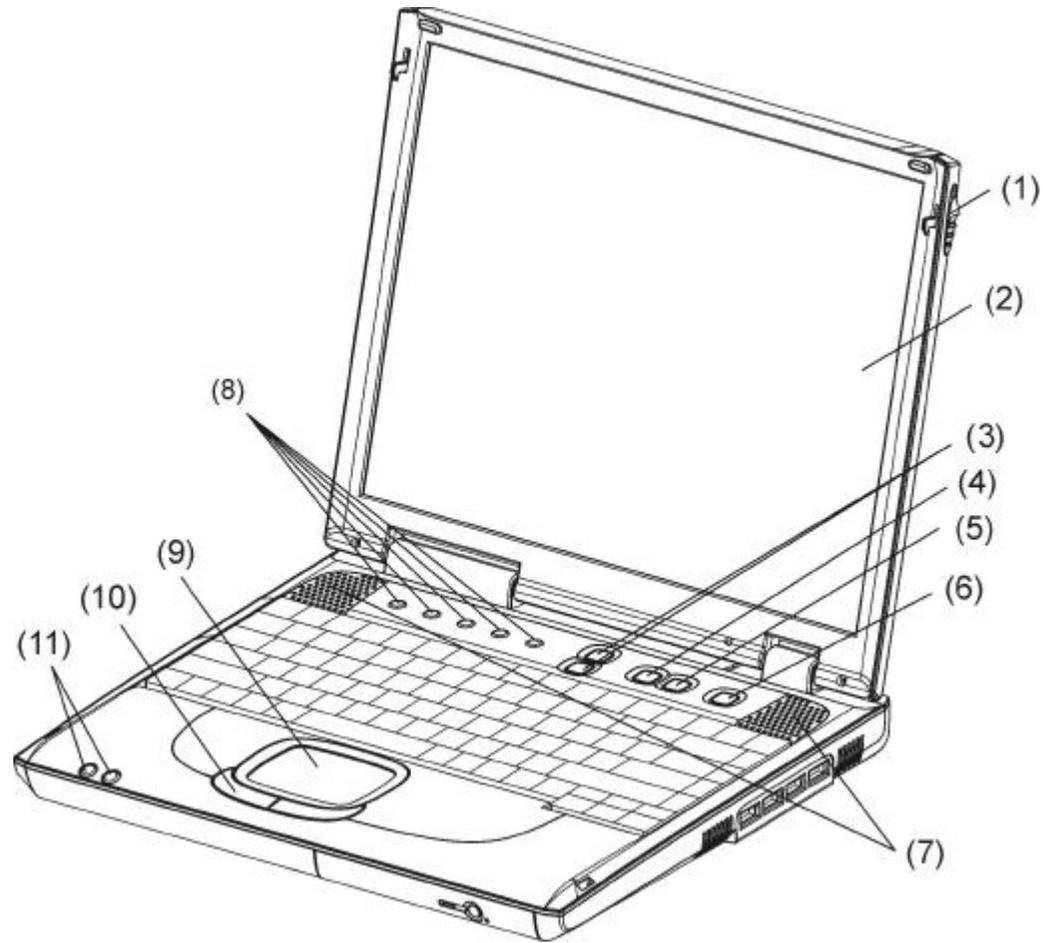
1. Slide the display panel latch on both sides of the LCD screen to the front until the display panel releases, and then raise the LCD screen.
2. At any time you can tilt the display toward or away from you to a comfortable viewing position.



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.

---

**1. LCD Cover Release Latch**

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

**2. LCD Screen**

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

**3. Volume Button**

Use these two buttons to increase or decrease the hardware volume of your audio output.

**4. Internet Button**

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

**5. E-Mail Button**

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

**6. 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.

**7. Built-in Speaker**

The internal speakers provide true stereo sound.

---

## 8. System Status Indicator Panel

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



|   |   |
|---|---|
|  | Indicates that the computer is accessing the hard disk drive.   |
|  | Indicates that the computer is accessing the CD-ROM drive.  |
|  | Indicates that the keyboard is in Num Lock mode.  |
|  | Indicates when the keyboard is in Caps Lock mode. In this mode, the keyboard produces uppercase text when you press a key. When you press the Caps Lock key again, the indicator goes off and the keyboard produces lowercase text. |
|  | Indicates when the keyboard is in Scroll Lock mode. Some applications will move information across the screen differently when Scroll Lock is on.   |

## 9. TouchPad

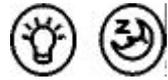
The TouchPad is hardware-compatible with the IBM PS/2 mouse and software-compatible with the Microsoft mouse.

## 10. TouchPad Buttons

The buttons below the TouchPad correspond to the left and right buttons on a standard mouse. The PS/2 compatible mouse will work with the DeskNote TouchPad simultaneously.

---

## 11. Power LED Indicators



These two LED indicators are separately programmed for the following functions: *Power on and Suspend mode.*

## 12. Power On

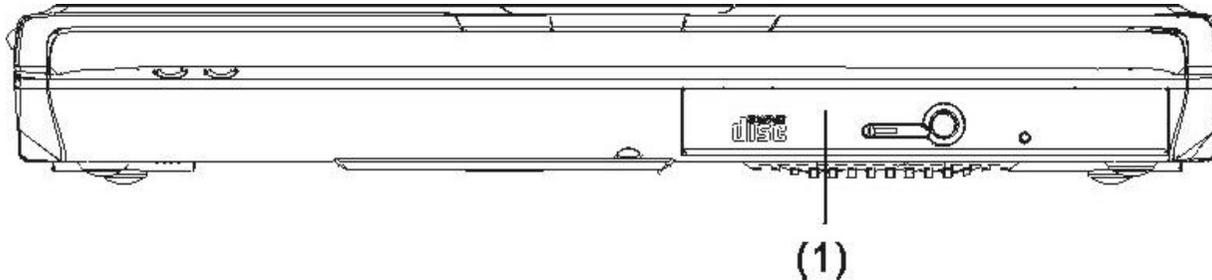
This indicator will lit when the DeskNote is powered on.

## 13. Suspend mode

This indicator will lit when the DeskNote is in suspend mode.

## *The Front*

---



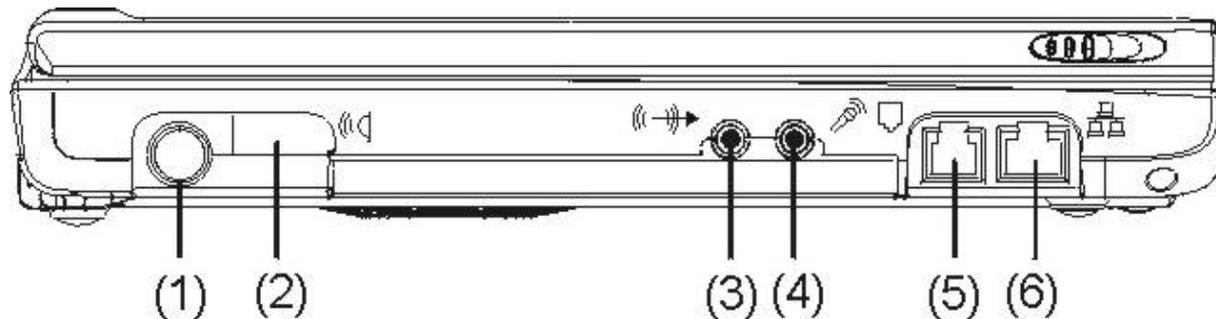
## 1. The CD-ROM/DVD-ROM/CD-RW Drive

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

---

### *Left View*

---



**1. Reserved**

This connector is reserved for future use.

**2. 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.

**3. Headphone\SPDIF Jack**

This is for headphone output. You can plug an external headphone into your DeskNote.

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.

---

#### 4. External Microphone Jack

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

#### 5. 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.

#### 6. LAN Port

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

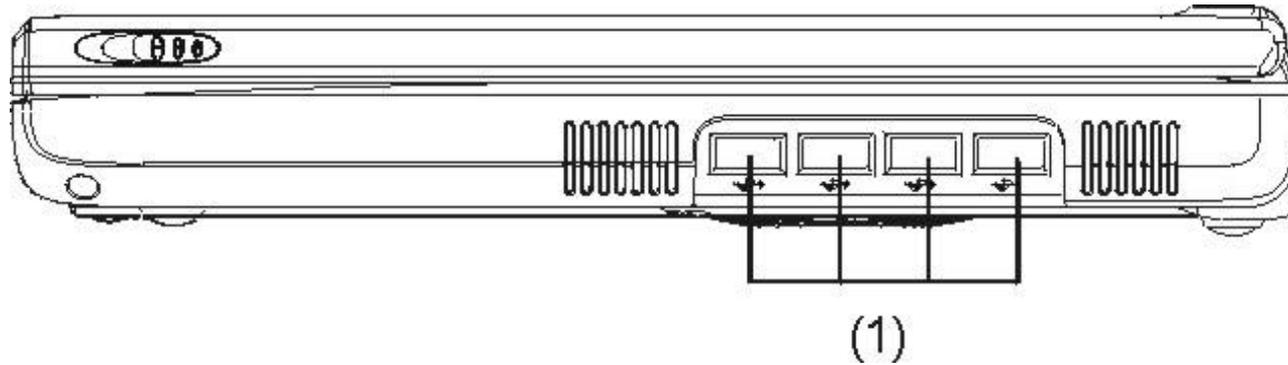


When using a LAN, please use an EMI Shielding Cable to minimize an interference when transmitting.

---

## *The Right Side*

---



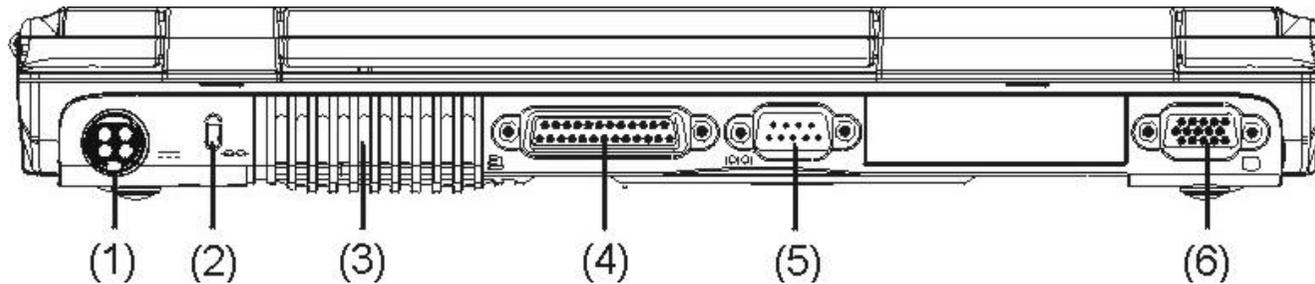
### **1. USB Ports**

Your computer includes four Universal Serial Bus (USB) port. 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 Rear*

---



### **1. DC IN Connector**

Plug the AC adapter into this connector. Refer to Chapter Two, *Connecting to a Power Source* for more information.

### **2. Kensington Lock**

Your computer includes a keyhole to be used with a standard Kensington lock. You can connect the DeskNote lock to a large object with the Kensington lock to prevent theft of your DeskNote.

### **3. Cooling Ventilation**

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

---

**4. Parallel Port**

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

**5. Serial Port**

This port is used to connect RS-232 serial devices to the DeskNote. Three types of serial devices are external mice, serial printers, and fax/modems.

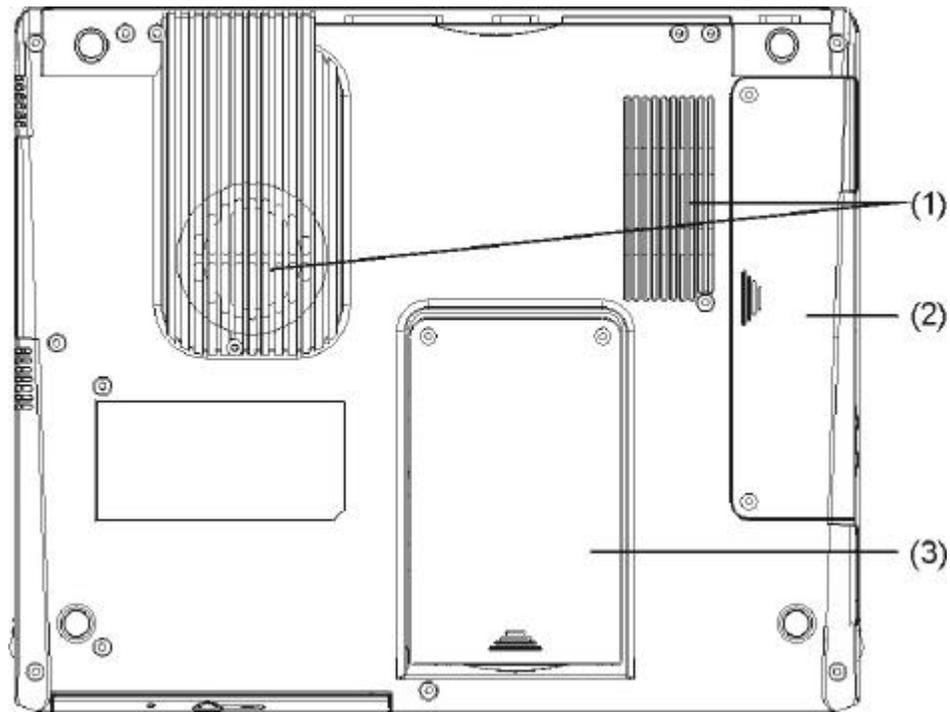
**6. External CRT Port**

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

---

## *The Bottom Panel*

---



### **1. Cooling Ventilation**

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

---

## **2. Expansion Compartment**

This compartment house the DIMM module.

## **3. Hard Disk Drive Compartment**

Your computer includes a 2.5-inch IDE hard disk drive (9.5mm in height) with 10GB or more storage capability. The DeskNote BIOS automatically detects IDE drive types.

## **Preparing the DeskNote for Transport**

---

To prepare the computer for transport, you should first disconnect all peripherals. Make sure the computer is turned off before you do this. After disconnecting all peripherals, close the rear port covers to protect the connectors. The DeskNote hard disk head is self-parking. This means that the DeskNote can be directly turned off from the DOS prompt.

---

**Chapter**

**2**

***Getting Started***

---

---

## Operating Environment

---

To ensure long use and continued high performance, consider the following factors when setting up your computer:

- Set the computer on a flat, stable surface. To prevent damage, avoid using the computer where it is exposed to strong vibration.
- Place the computer away from electromagnetic or radio frequency interference.
- Avoid using or storing where it will be exposed to extreme temperatures. Do not leave the computer in direct sunlight, over a radiator, or near a heat source for a long period of time. High temperature can damage the circuitry.
- If you are using the computer with the AC adapter, do not allow anything to rest on the power cord. Do not place the computer where people can step on or trip over the cord.
- The openings on the computer are provided to protect the computer from overheating.

## Connecting the AC Adapter

---

A universal AC adapter or an optional battery 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.

There are two options to power up your DeskNote computer.

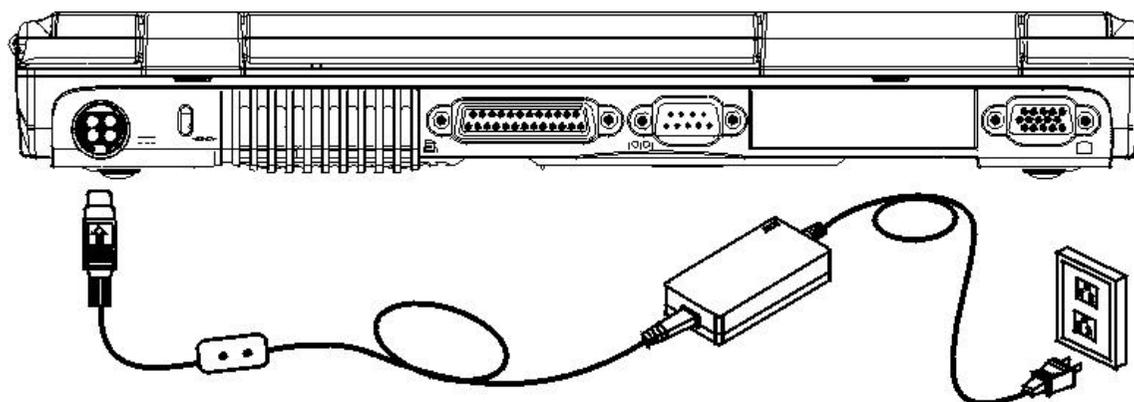


The power cord for the AC adapter requires a three-hole grounded AC outlet.

---

## *Using the AC adapter as your power source*

---



1. Plug the AC adapter's connector into the connector on the rear side of the DeskNote.
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.

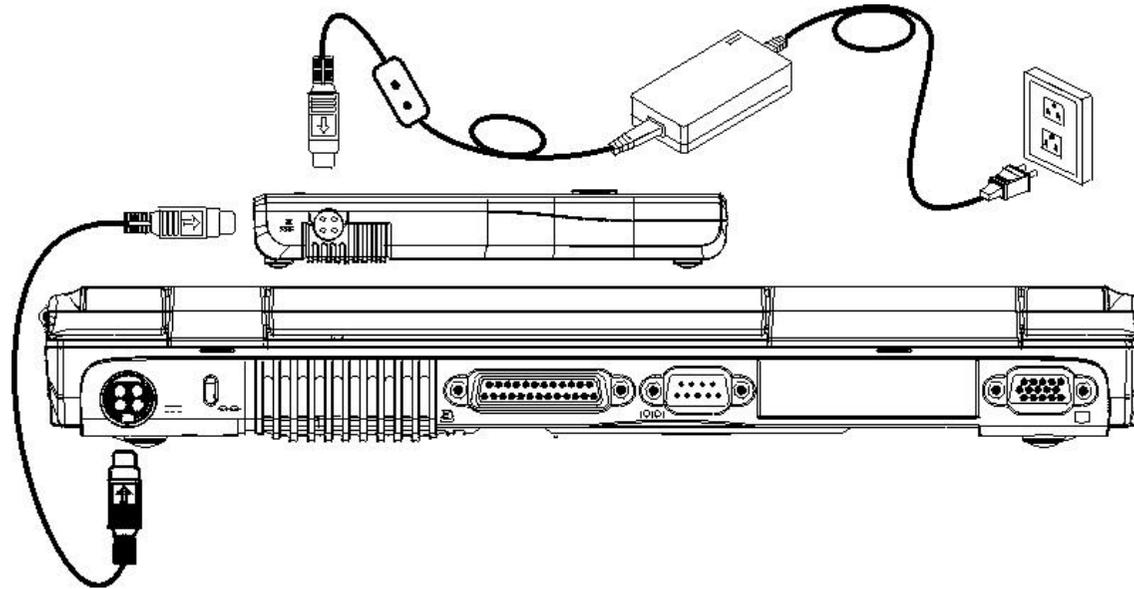
Whenever possible, keep the AC adapter plugged into the DeskNote.



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.

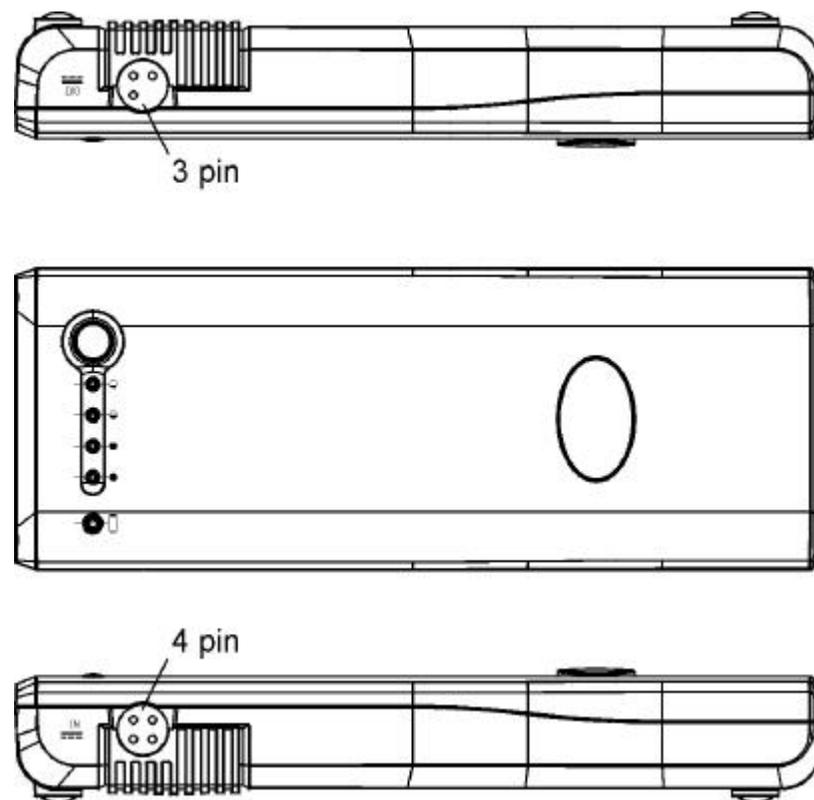
*Using both the battery and AC adapter as your power source*

---



The system provides you an optional battery with two connectors (3 & 4-pin) on one side to the DeskNote and the other side to the AC adapter.

- 
1. Use the 3-pin connector cable to connect between the DeskNote and battery.
  2. Plug the AC adapter's connector into the 4-pin connector of the battery.



3. Connect the power cord to the AC adapter and then to a wall outlet.

---

## 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 ME, 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 seconds.

### *About the ROM BIOS*

---

Your DeskNote computer is configured with a customized BIOS, which tests the computer and determines how the computer reacts to specific instructions that are part of programs.

### *About the Power-On Self Test*

---

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

Two kinds of malfunctions can be detected during the POST:

- Error messages that indicate a failure with the hardware, the software, or the BIOS. These critical malfunctions prevent the computer from operating at all or could cause incorrect results. An example of a critical error is a microprocessor malfunction.

- 
- Messages that furnish important information (such as memory status) on power-on and boot processes. 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.

The POST does not test all areas of the computer, but only those that allow it to be operational enough to run any diagnostic program. 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.

### ***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 a “software” reset switch when you encounter hardware or software problems, which lock up the DeskNote.

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

## **Operating on Battery Power**

---

Your computer comes with an optional rechargeable battery pack that lets you operate the computer without an external power source. When the optional battery pack is fully charged, you can operate the computer for approximately 1 hour 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.

---

**Chapter**

**3**

***Using the DeskNote  
Computer***

---

---

## The LCD Display

---

The DeskNote computer comes with a Color LCD display panel that supports the following display options:

| Display             | Resolution | Color Depth |
|---------------------|------------|-------------|
| 13.3"/14.1" TFT XGA | 1024 x 768 | 32 bit      |

All displays support up to 1024 x 768 x 64K color mode on an external CRT. The LCD screen display results can be adjusted by changing the LCD panel angle, and the display brightness.

### *Adjusting the LCD Screen Display*

---

The following key combinations can adjust the LCD screen display.

| Key Combinations | Definitions                     |
|------------------|---------------------------------|
| [Fn] + [F7]      | Decreases the brightness level. |
| [Fn] + [F8]      | Increases the brightness level. |

### *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. Two configurations are available:

- LCD only
- CRT only

## **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 98 by incorporating the two Windows specific keys. With the two Windows 98 keys you will be able to access and take advantage of many of the time-saving features of Windows 98 software.

The QWERTY layout means the alphanumeric keys located on the keyboard are in the same position as those found on a standard typewriter.

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.

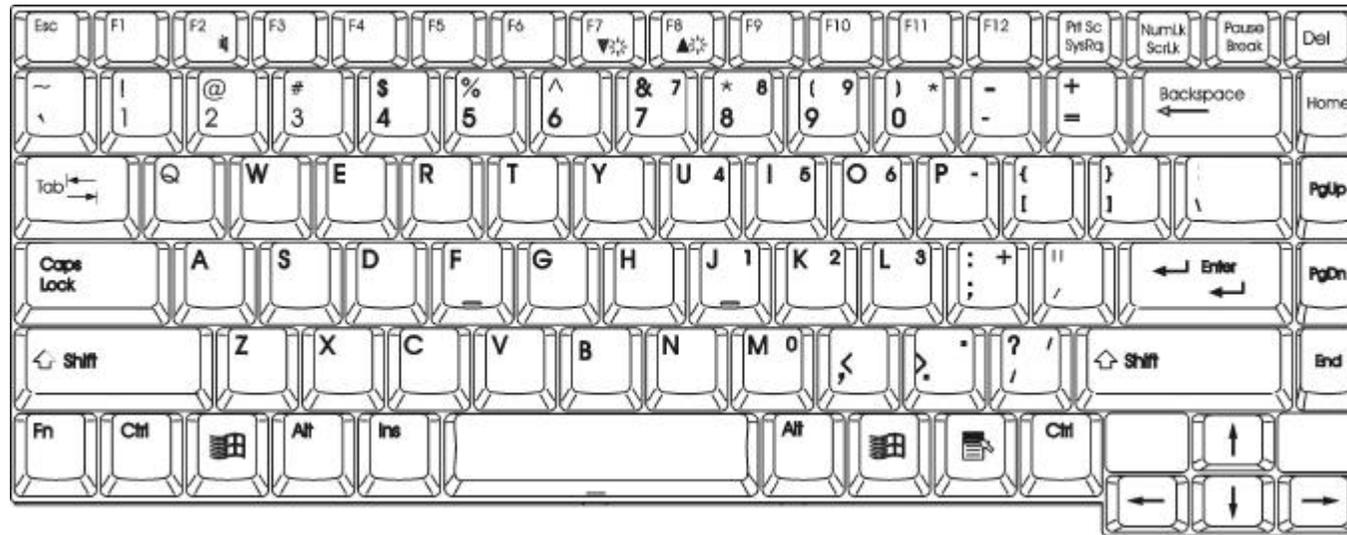
The cursor (arrow) keys (which are all located in the lower right corner of your keyboard) and the [PgUp], [PgDn], [Home] and [End] keys (which are located along the right edge of the keyboard) allow you to move the active cursor of the computer to various locations on the screen or within the document.

---

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*

---

Your DeskNote also contains controls, which are feature in blue color on the keys activated by pressing the [Fn] key (the key in the lower left corner of the keyboard beside the [Ctrl] key) in conjunction with the key for specific control function. To activate these keys, hold the [Fn] key and press the specific control function.

| Key Combinations | Definitions   |
|------------------|---|
| [Fn] + [F2]      | Press this function to mute and unmute the system audio function. |
| [Fn] + [F7]      | Decreases the brightness level.                                   |
| [Fn] + [F8]      | Increases the brightness level.                                   |

## **The TouchPad**

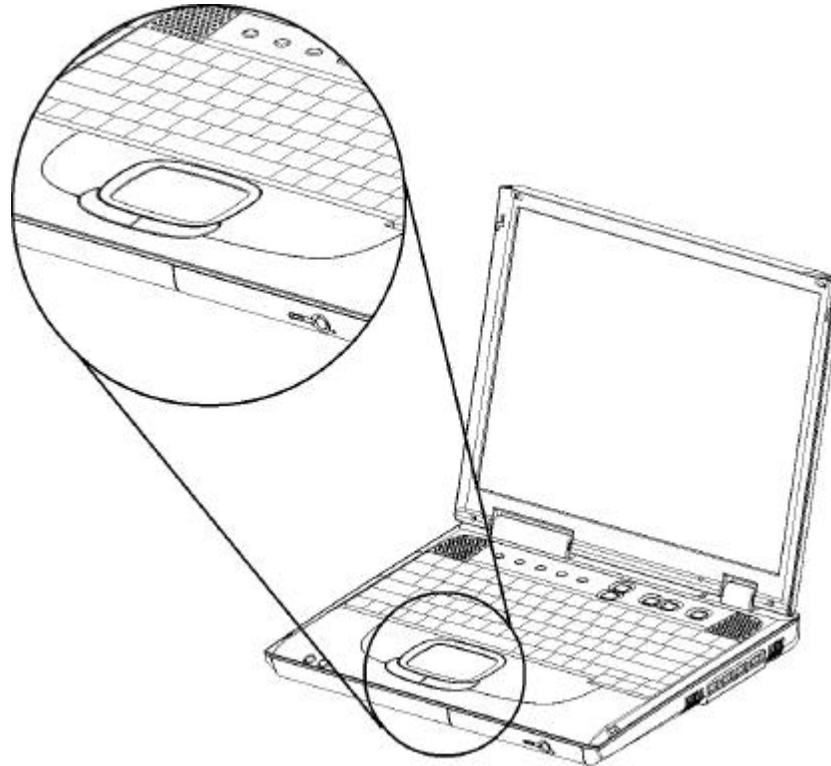
---

### *Using the TouchPad*

---

The TouchPad is a pressure sensitive pointing device that provides all the features of a two-button mouse.

1. The TouchPad is easily accessible by moving either your left or right thumb off the space bar and on to the TouchPad.
2. Gently move your thumb across the pressure-sensitive TouchPad in the direction you want the cursor to move.
3. The TouchPad offers a method of making selections called *double-tapping* and this corresponds to double-clicking with a mouse.



4. Clicking the buttons below the TouchPad makes selections, drags objects, or performs a variety of other functions depending on the software.

### ***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 hard disk drive (HDD). The HDD is removable allowing for easy upgrades.

### ***The Upgradeable HDD Module***

---

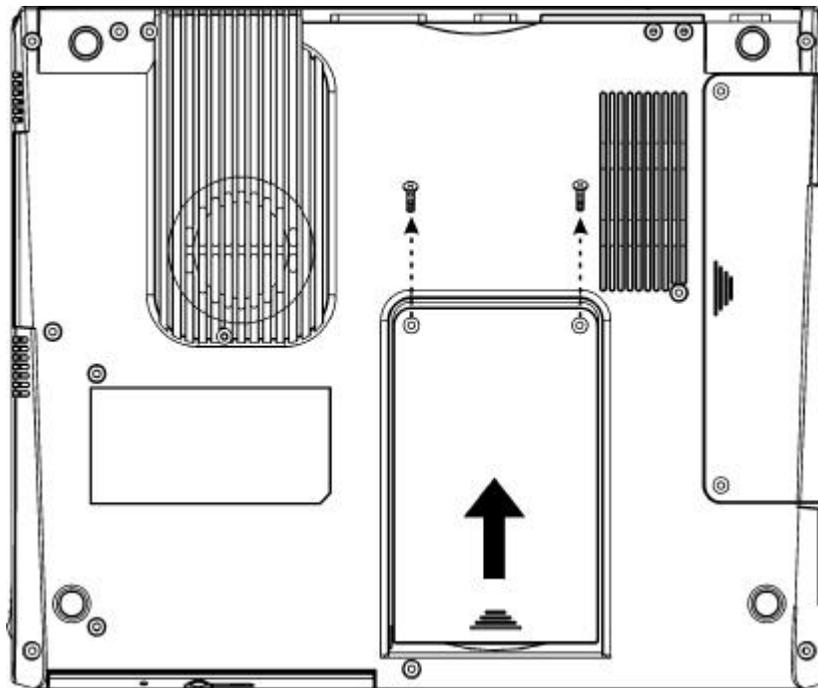
Your computer's hard disk drive is an integrated electronic drive, commonly referred to as an IDE drive, with a form factor of 2.5 inches. The formatted capacity of the DeskNote's HDD is 10GB or above.

### ***To Upgrade Your Hard Drive***

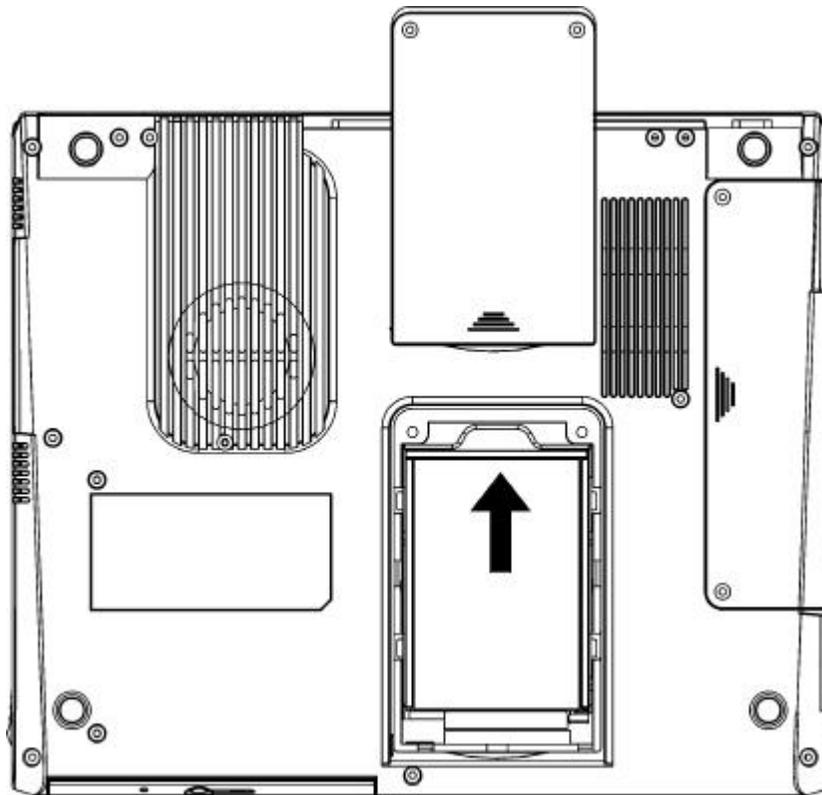
---

1. Power down the system completely. Be sure to unplug the AC adapter before removing the drive. Disconnect any attached peripherals.

- 
2. Turn the system over. The front of the unit should be facing you. The hard disk drive (HDD) compartment is located toward the front of the unit. Remove the two screws and set them in a safe place.
  3. Slide the grip into the direction away from you as shown in the illustration.



4. Remove the bracket that is attached to the HDD from your existing drive. Slide the drive into the direction as shown in the illustration.



5. Remove the new hard drive from its anti-static bag. You can use the same anti-static bag to store your old hard drive.
6. To install the new hard drive, align the tabs on the drive bracket with the slots on the bay and press it gently ease the drive into the bay. Slide the drive until it iengages with the system.

- 
7. Slide the compartment cover into place. Be sure that the screw holes on the cover align completely with the screw holes in the case and secure the cover with the two screws.

## The CD-ROM

---

### *Features of the CD-ROM Module*

---

The features of the CD-ROM 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 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 cleaning kits.
- Do not bend or drop the discs.

---

## *Loading a Disc*

---

To play a CD disk, follow the instructions listed below.

1. Push the CD-ROM eject button on the CD drive door. Gently pull the tray all the way out.
2. Carefully lift the CD disk by the edges and make sure the shiny surface is face down (the side with no writing on it). Carefully insert the CD disk onto the tray. Push the CD disk down gently so that it snaps onto the center ring.
3. Push the tray back into the drive.

To remove a CD disk, do the following:

1. Check the LED display and make sure that the computer is not accessing the CD-ROM drive.
2. Push the eject button and pull the tray all the way out.
3. Carefully pick up the CD by the edges and – while pressing down on the center ring – remove the CD disk 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.

---

## 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 output audio ports for external audio units.

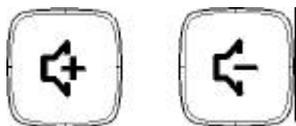
An external microphone can be connected to the microphone jack. External speakers or headphones can be connected to the DeskNote's audio-out jack.

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
- 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; these are located at the top of the keyboard.



Pressing the volume short-cut key combination increases/decreases the audio output volume.

---

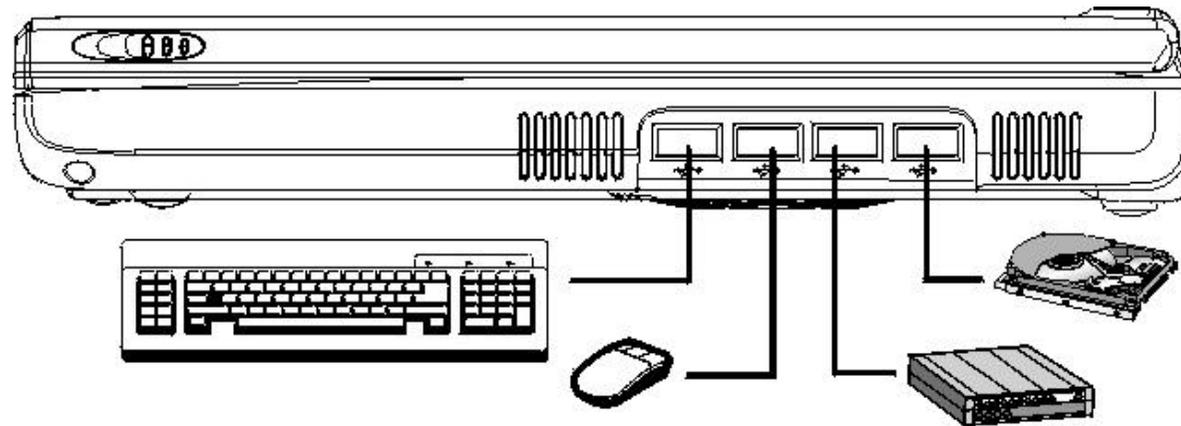
## Connecting Peripheral Devices

---

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, modem, or a printer. The computer is equipped with several interface ports, including an enhanced parallel (printer) port, a serial port, and 4 USB ports.

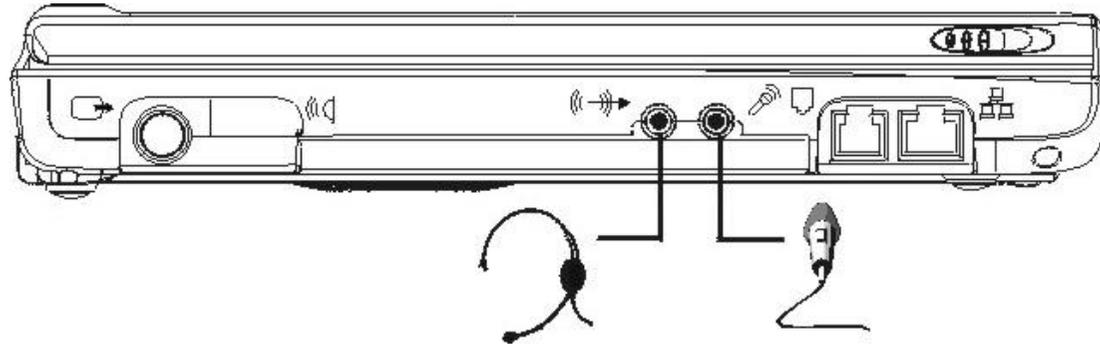
These are provided as a means of connecting peripheral devices to the computer. Connect peripheral devices to the computer's interface ports as shown below:

### *Connecting Peripheral Devices from the Right Side of the DeskNote Computer*

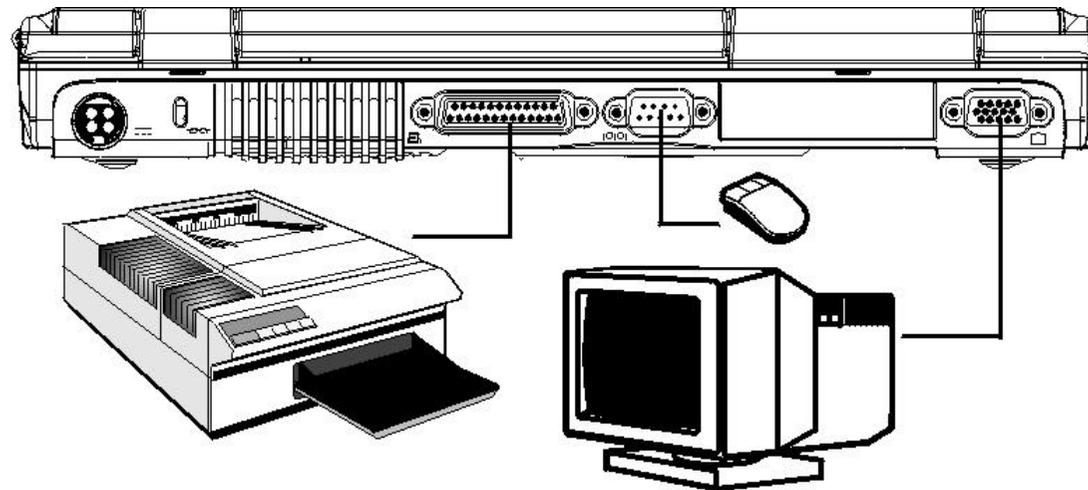


---

*Connecting Peripheral Devices from the Left Side of the DeskNote Computer*



*Connection Peripheral Devices from the Rear Side of the DeskNote Computer*



---

## **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.

## **The AC Adapter**

---

The AC Adapter's primary function is to provide power to the DeskNote. If the AC Adapter is not functioning properly, please consult your dealer immediately for support.

## **The Battery Power System (Optional)**

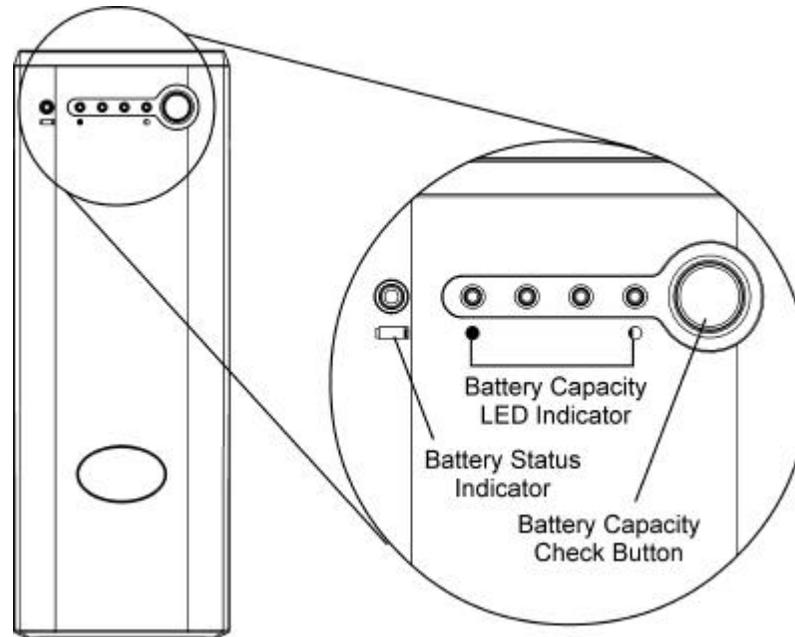
---

A fully charged pack will provide approximately 1.0 hours of battery life depending on your system configuration and the application it runs. Using the power management features can extend the battery life. Charging the battery takes about 4 hours to charge when the system is in off state. If possible, always charge the battery completely.

### ***Battery Indicators***

---

There are four LED indicators and one button on the upper corner of the battery. These LED indicators designate different battery status.



### ***Battery Status Indicator***

This indicator light signifies status of the battery under different environment.

- Green light - signifies the battery power on use
- Orange light - signifies the battery is in charging state
- Red light - signifies the battery is in either low state or in high temperature.

### ***Battery Capacity LED Indicator***

The four LED indicators designate different status of the battery.

| Indicator Light | LED Indicator                     |
|-----------------|-----------------------------------|
| No light        | Battery low low status            |
| ■ blinking      | 8% capacity of the battery        |
| ■               | 9% - 24% capacity of the battery  |
| ■ ■             | 25% - 49% capacity of the battery |
| ■ ■ ■           | 50% - 74% capacity of the battery |
| ■ ■ ■ ■         | 75%-100% capacity of the battery  |

### ***Battery Capacity Check Button***

When the battery power reaches the "Battery Low Low" status or the battery temperature reaches to a certain degree, a beeping sound will accelerate. Save your work and turn off the DeskNote, or connect the AC adapter.

### ***Small Battery for the Real Time Clock***

There is a small built-in battery that supplies power to the system in order to maintain certain system information while the power is off.



Danger of explosion if the 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.

---

**Chapter**

**4**

***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 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 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*

---

Configure basic system performance parameters.

### *Peripheral Setup*

---

Configure I/O support for the DeskNote.

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.

| <b>Legend Key</b> | <b>Function</b>  |
|-------------------|--|
| 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. |

---

## Launching Submenus

---

Note that a right pointer symbol ► appears to the left of certain fields. This pointer indicates that a submenu can be launched from this field. A submenu contains additional options for a field parameter. To call up a submenu, simply move the cursor to highlight the field and press the [Enter] key. Use the [Esc] key to return to the Main menu.

## General Help

---

In addition to the Item Specific Help window, the BIOS Setup program also provides a General Help screen can be called up from any menu by simply pressing [F1] key.

Use the up and down arrow keys (↑ ↓) to scroll through the entire help document. Press the Home key to display the first page, press End to go to the last page. To exit the help window, press the [Esc] key.

### *Save Changes and Exit the Setup Program*

---

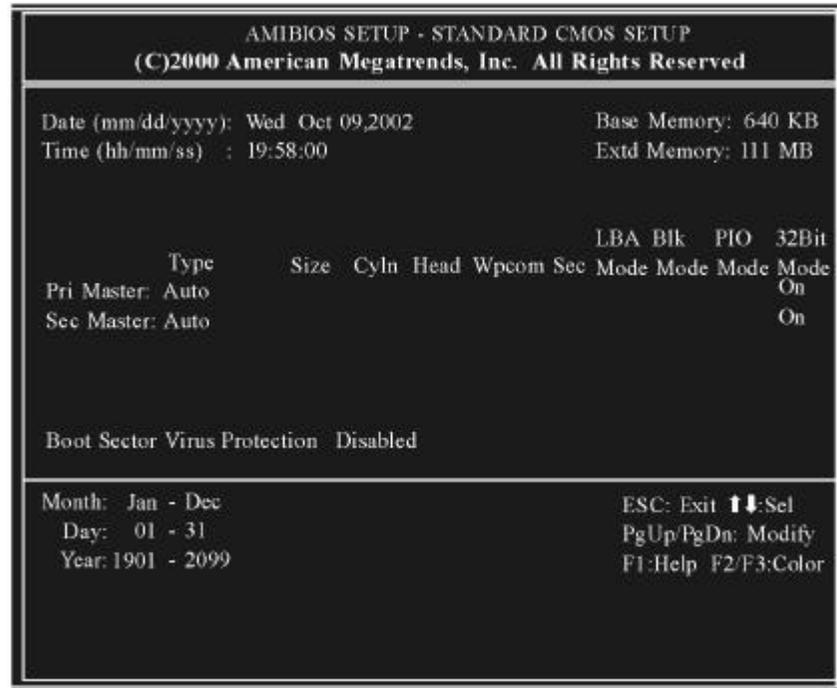
Refer to the Exit menu section of this chapter for detailed information on saving changes and exiting the setup program.

---

## The Standard CMOS Setup

---

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



### *Date/Time*

The current values for each category are displayed. Enter new values through the keyboard “PgUp/PgDn” keys.

---

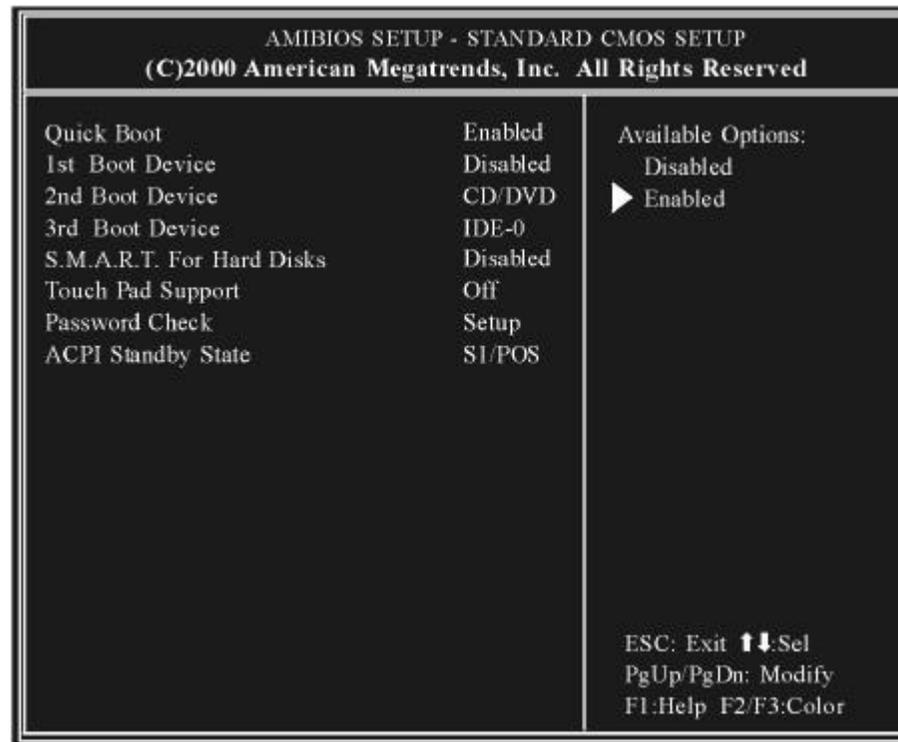
### *Pri Master, Sec Master*

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:



---

### ***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).***

### ***1<sup>st</sup> 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, HDD (default value), CD-ROM and USB FDD.***

### ***2<sup>nd</sup> 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, HDD, CD-ROM and USB FDD (default value).***

### ***3<sup>rd</sup> 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, HDD, CD-ROM (default value) and USB FDD.***

### ***S.M.A.R.T. 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 Enabled or Disabled (default value).***

---

### ***BootUp Num-Lock***

Set this option to configure the system numlock key on your keyboard.

- ***The settings are On or Off (default value)***

### ***TouchPad Support***

Set this option to enabled or disabled the touchpad. The default setting is Enabled.

### ***Password Check***

This option enables password checking every time the system boots or when you run AMIBIOS Setup. If Always is chosen, a user password prompt appears every time the computer is turned on. If Setup is chosen, the password prompt appears if AMIBIOS is executed.

### ***ACPI Standby State***

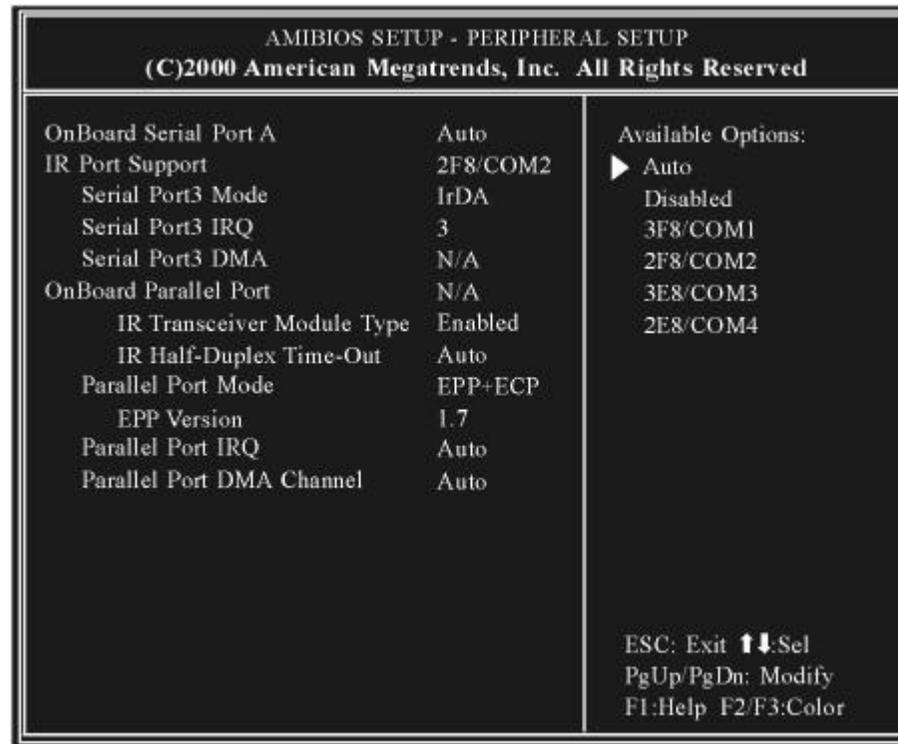
This application is used to set your system to standby mode.

- If it is set to "**S1/POS**" state, the wake up process will be faster and the system data will not be lost while the DeskNote enters the standby mode.
  - If it is set to "**S3/STR**" state, the wake up process will be slower and the system data will be lost while the DeskNote enters the standby mode.
- ***The settings are S1/POS (default value) or S3/STR***

---

## The Peripheral Setup

---



### *OnBoard Serial Port A*

This option specifies the base I/O port address of serial port 1.

- 
- *The settings are Auto (AMIBIOS automatically determines the correct base I/O port address) (default value), Disabled, 3F8/COM1, 2F8/COM2, 3E8/COM3 or 2E8/COM4.*

#### ***OnBoard IR***

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

#### ***Serial Port3 Mode***

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

#### ***Serial Port3 IRQ***

This option specifies the IR IRQ select for the IR port.

- *The settings are 3 (default value), 4, 5, 9, 10, and 11.*

#### ***Serial Port3 DMA***

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

#### ***IR Transceiver module Type***

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

#### ***IR Half-Duplex Time-Out***

This option specifies the enabled or disabled the IR function.

- *The settings are Disabled or Enabled (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, or 3BCh.*

### ***Parallel Port Mode***

This option specifies the parallel port mode.

- *The settings are Normal, Bi-dir, EPP or ECP (default value).*

### ***Parallel Port IRQ***

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

### ***Parallel Port DMA Channel***

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

## **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:

|                                       |
|---------------------------------------|
| <b>Enter new supervisor password:</b> |
|---------------------------------------|

---

## 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**

**5**

***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***

---

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

### ***Installing Hotkey Drivers for Win98SE***

---

1. Insert the CD-ROM Driver into your CD-ROM drive. Click “Start” and Select “Run”.
2. Type the following: D:\Driver\Hotkey Driver\Win98SE\Setup.exe (If D is not your CD-ROM drive, substitute D with the correct drive letter).

- 
3. Click on “Setup” to begin the Installation Wizard.
  4. Follow the Wizard’ s on-screen instructions to complete the installation. Restart the system.

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

---

1. Insert the CD-ROM Driver into your CD-ROM drive. Click “Start” and Select “Run”.
2. Type the following: D:\Driver\Audio\Win9X\Setup.exe (for Win98SE/ME) or D:\Driver\Audio\Win2KXP\Setup.exe (for Win2K/XP) ( If D is not your CD-ROM drive, substitute D with the correct drive letter).
3. Click on “Setup” to begin the Installation Wizard.
4. Follow the Wizard’ s on-screen instructions to complete the installation. Restart the system.

### ***Installing the TouchPad Driver for Win98SE/2K/Me/XP***

---

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

---

### ***Installing the ENE KB3886 Driver for win98/2K/ME/XP***

---

Insert the CD-ROM Driver into your CD-ROM/DVD-ROM drive.

1. Click “Start” and Select “Run”.
2. Type the following: D:\keyboard\Setup.exe or D:\Driver\Touchpad\Win98&ME\Setup.exe (If D is not your CD-ROM/DVD-ROM drive, substitute D with the correct drive letter).
3. Click on “Setup” to begin the Installation Wizard.
4. Follow the Wizard’s on-screen instructions to complete the installation. Restart the system.

### ***Installing LAN Drivers for Win98SE/2K/ME/XP***

---

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

### **Windows 98SE/ME VGA Utilities**

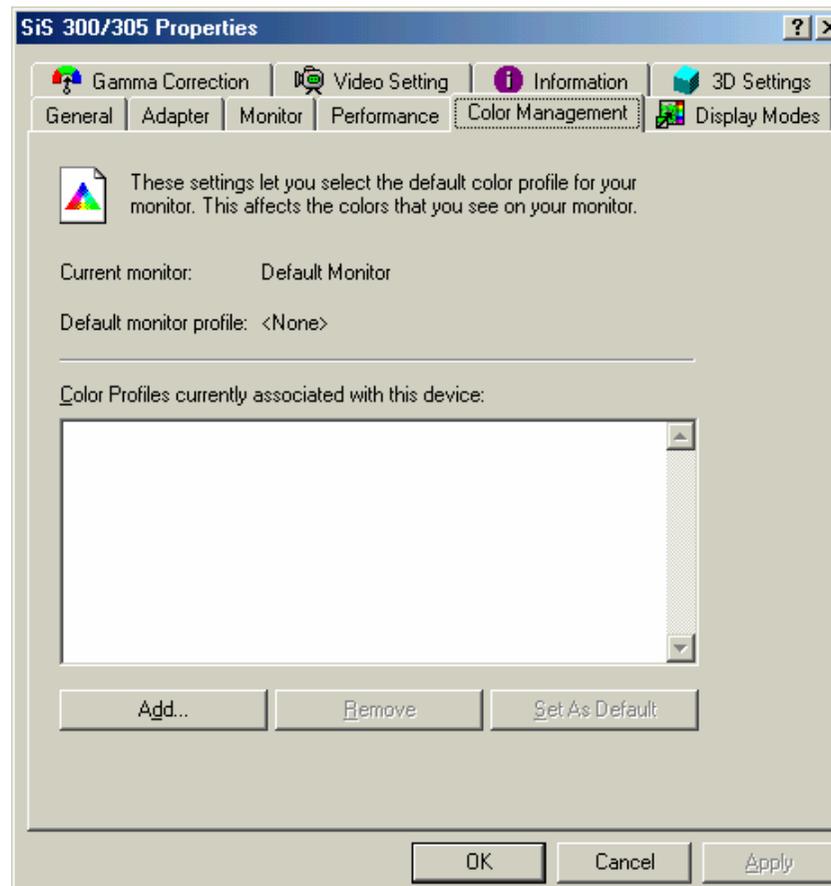
---

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 300/305 Properties" window.

---

## Color Management

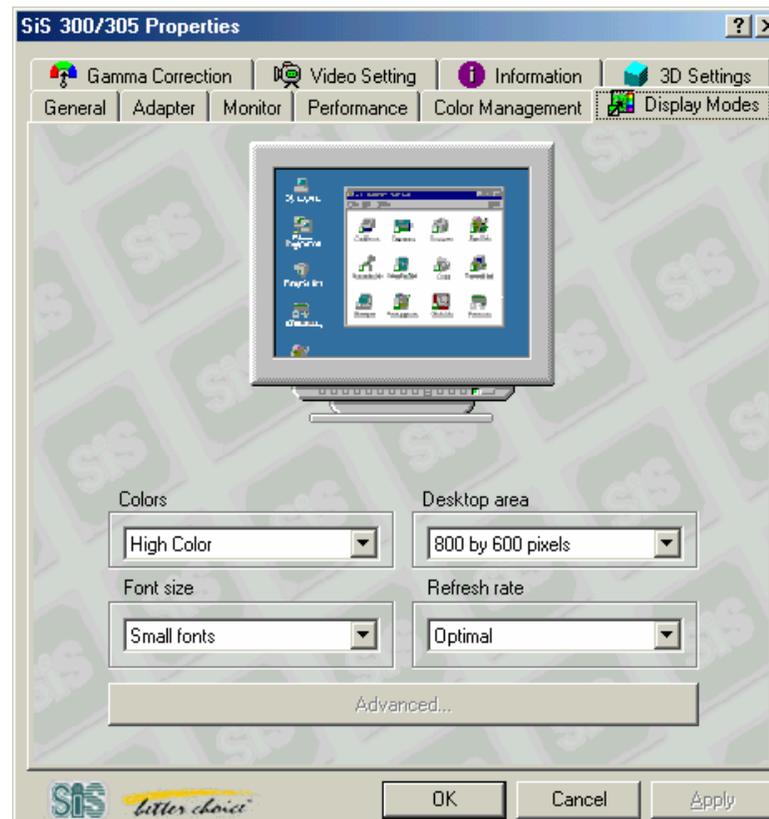
---



---

## Display Modes

---

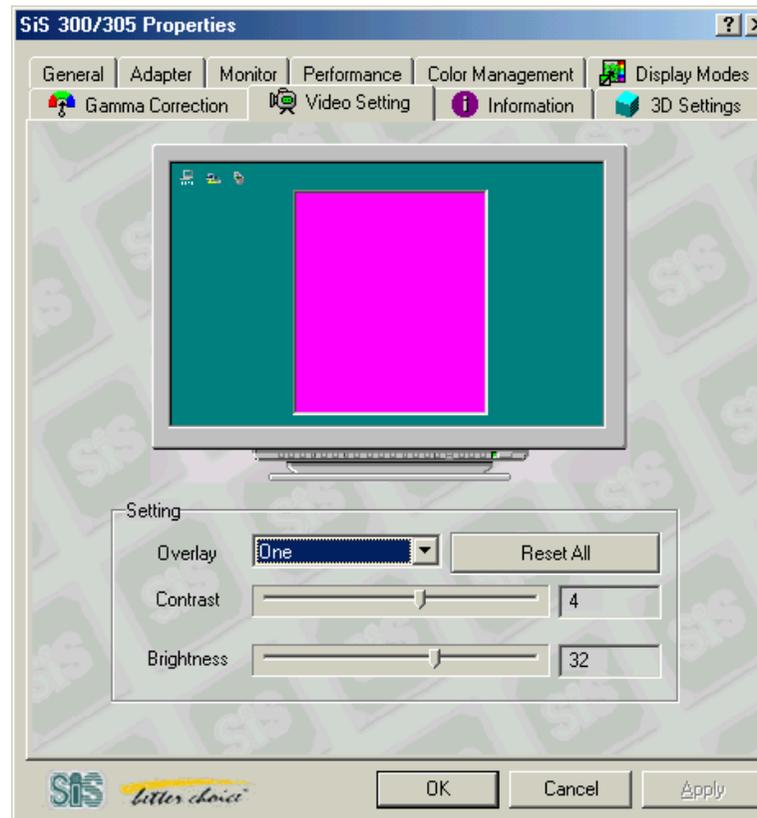


This setting lets you adjust for the right resolution of your screen display.

---

## 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.

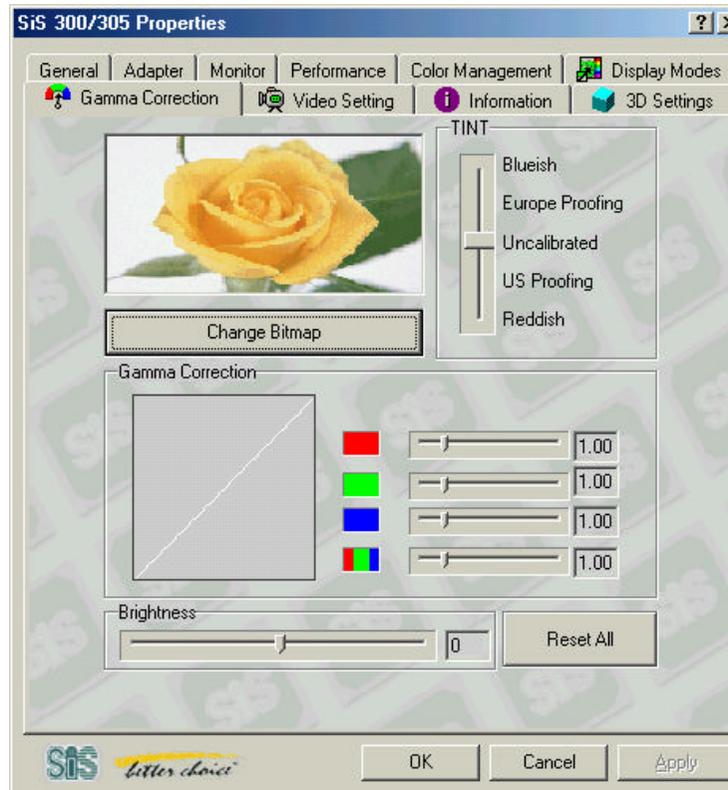
### ***Contrast***

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

### ***Gamma Correction***

---

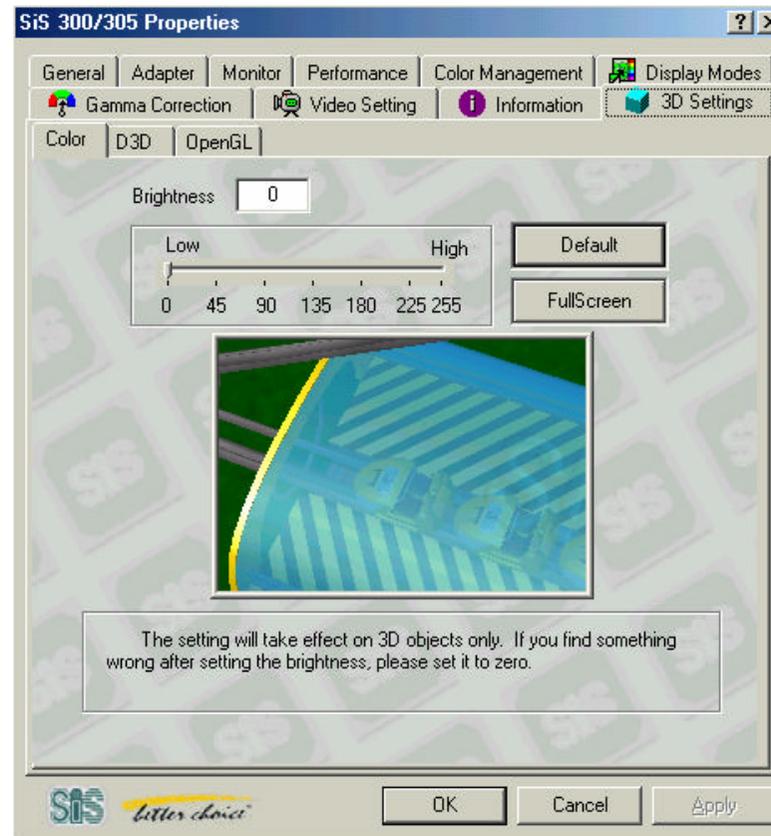
You can adjust the right color for your window screen by moving the “Brightness” adjustment window to increase or decrease the right resolution for your screen display.



### *3D Settings (For Win2000 Only)*



This setting is only applicable when you are using WinME operational system.



### *Color*

Modify the brightness control of your 3D display from 0 to 255.

---

### *D3D*

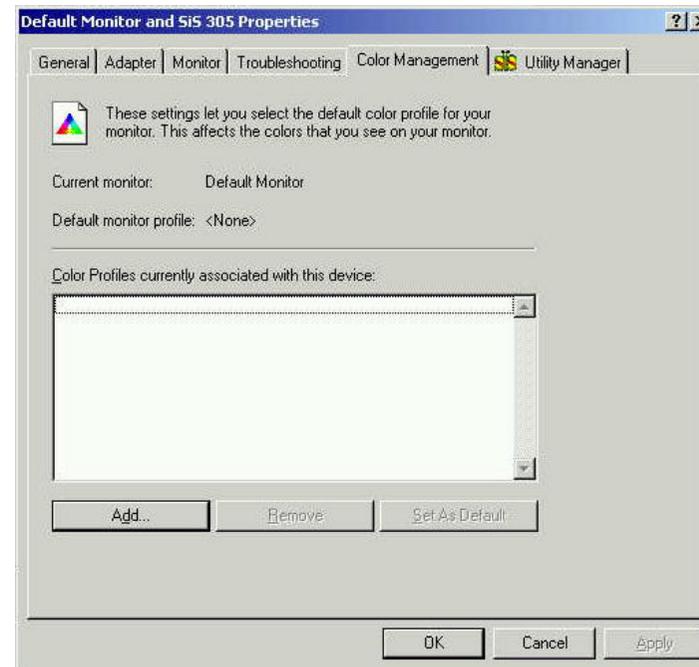
Modify the speed and quality of your 3D display.

## **Windows 2000 VGA Utilities**

---

### *Color Management*

Use this setting to apply the color setting for your screen display when you are connecting an external monitor.



---

## Utility Manager

---

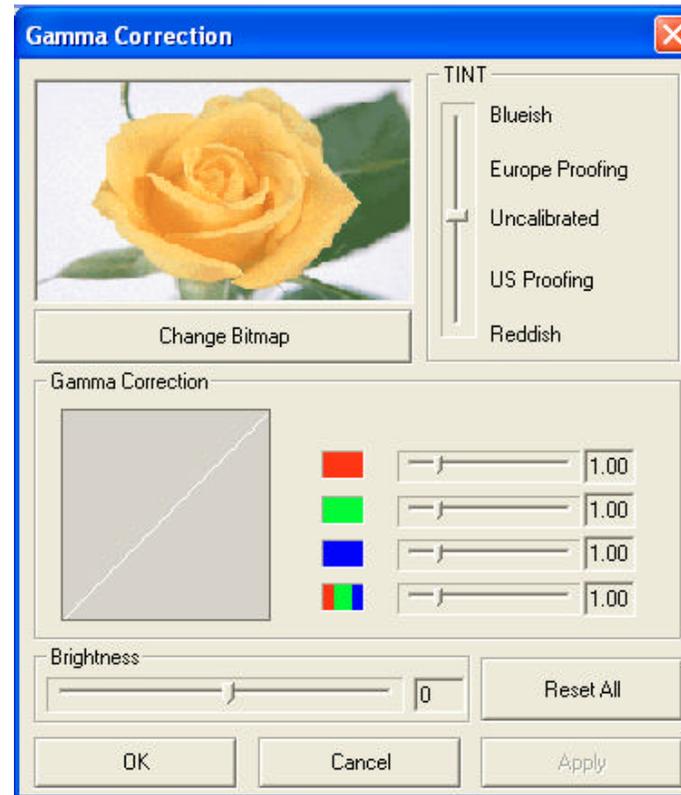


---

## *Gamma Correction*

---

You can adjust the right color for your window screen by moving the “Brightness” adjustment window to increase or decrease the right resolution for your screen display.



---

## *Video Setting*

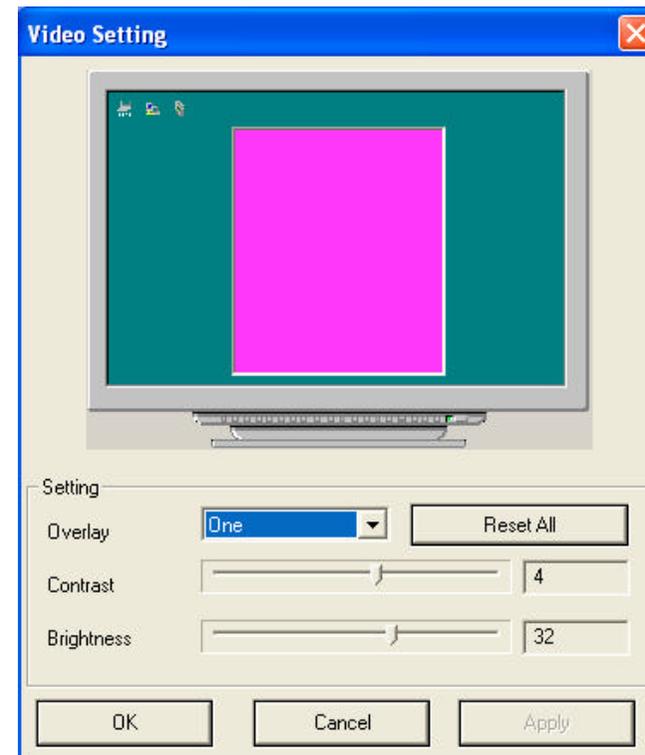
This dialog box has the following scroll bars and buttons for controlling the color components of the video image.

### *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 versa.



---

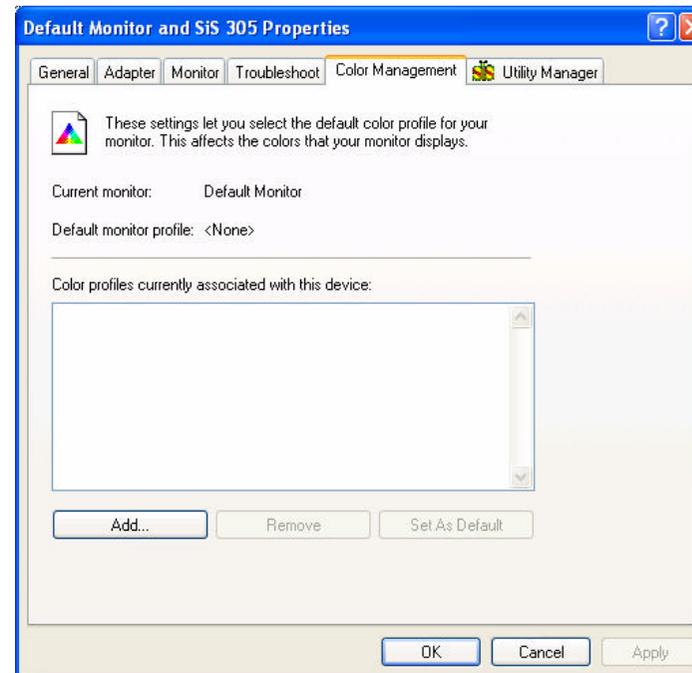
## Windows XP VGA Utilities

---

### *Color Management*

---

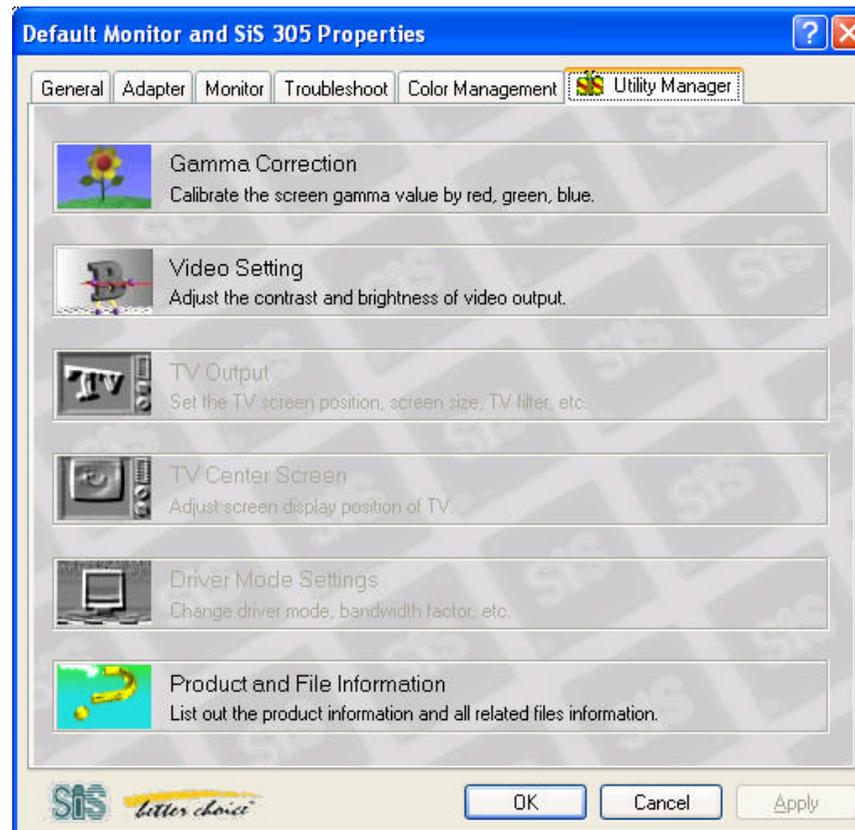
Use this setting to apply the color setting for your screen display when you are connecting an external monitor.



---

## Utility Manager

---

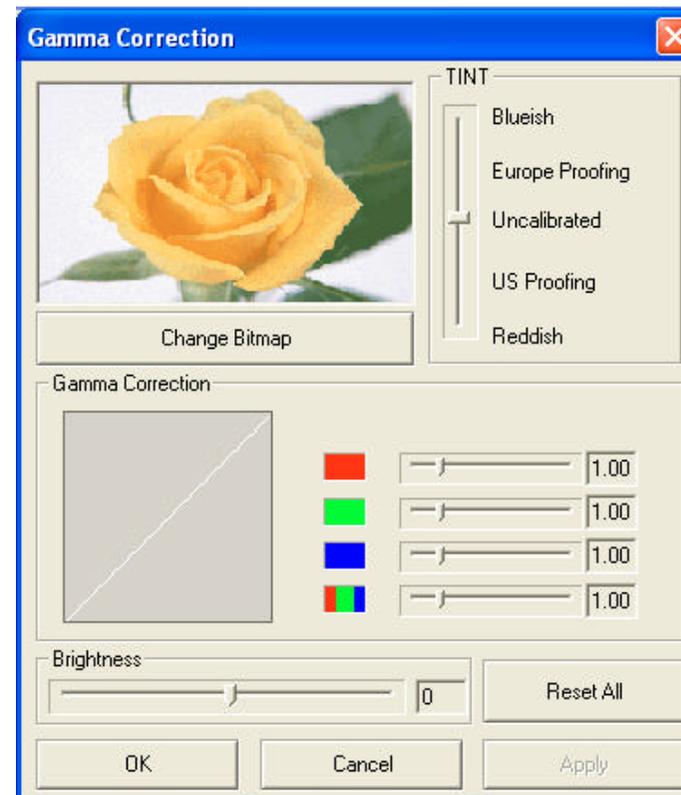


---

## *Gamma Correction*

---

You can adjust the right color for your window screen by moving the “Brightness” adjustment window to increase or decrease the right resolution for your screen display.



---

## *Video Setting*

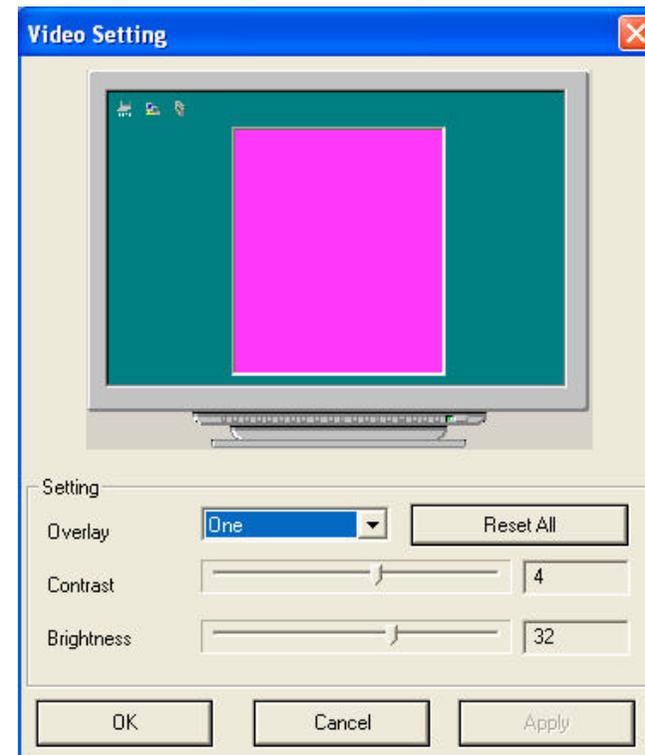
This dialog box has the following scroll bars and buttons for controlling the color components of the video image.

### *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 versa.



---

**Chapter**  
**6**

***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.

---

***Appendix***

**A**

***Specification***

---

## Detailed DeskNote Specifications

---

### *CPU*

- Transmeta 5XXX series
- 474-pin ceramic BGA package

### *Memory*

#### **Main Memory**

- 0MB on board, expandable up to 512MB technology
- 128/256/512 MB memory options
- One 168 pin SDRAM slot
- Supports 3.3V 100/133 MHz SDRAM

#### **ROM**

- 2MB Flash ROM factory option, 5V erase
- Boot block protection, factory option

### *Core Logic*

- Ali M1535+
- PCI bus interface
- 3.3V PCI version 2.2 compliance
- ACPI v1.0b compliance
- I/O APIC

### *Pointing Devices*

- Synaptics w/touchpad

---

### ***Keyboard***

- 12 function keys/19mm key pitch
- Windows function keys

### ***Audio***

- Software audio with AC '97 CODEC, S/PDIF
- 2 built-in stereo speakers

### ***I/O Ports***

- One parallel port supported EPP/ECP (25-pin female D-connector)
- One DC input port for external AC adapter (4-pin DC jack)
- One video port for external analog VGA monitor (15-pin female D-connector)
- One 9-pin male D-type RS-232 connector
- Four USB ports
- One MIC-in, one Head Phone and S/PDIF jack
- One RJ-11 connector (Fax/modem)(option)
- One RJ-45 connector (Ethernet LAN card) (option)

### ***Communications***

- Fax/Modem device (Mini PCI card supported)
- 56K V.90 ITU/TIA
- Support modem ring resume function
- Support ACPI

## ***Mass Storage***

---

### ***Hard Disk Drive***

- Standard Capacity: 10GB or higher
- Type: 2.5" (MCC Specification) IDE
- Height: 9.5mm

### ***Floppy Disk Drive (option)***

- Media Type/Capacity: 3.5", 1.44MB
- USB legacy

### ***CD-ROM Drive***

- Speed: 24X or higher
- Type: IDE

### ***DVD-ROM Drive***

- Speed: 8X or higher (with S/W MPEG II)

## ***Video System***

---

### ***Display***

- 14.1" XGA TFT color LCD
- 13.3" XGA TFT color LCD
- Video Controller: built-in chipset, SiS305&SiS302 LV
- 3D graphic engine, AGP 2X
- ACPI/PC99 compliance

- 
- Supports up to 1280x1024x64K bit colors mode on external CRT
  - Supports 1024x768 Hi color TFT XGA LCD

### ***Electrical***

---

#### ***AC Adapter***

- Universal input - auto-sensing - 2 wire AC and 2 wire DC

#### ***DC-DC Converter***

- Supplies VCC5, VCC3, VCORE and VCPUIO, +5VAUX, +3VAUX, 1.8V

### ***Mechanical***

---

#### ***Dimensions***

|         |  |
|---------|--|
| Weight: | Less than 5.1 lbs.                             |
| Size:   | 320cm x 265cm x 39mm (12.59" x 10.43" x 1.53") |

### ***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***

---

- Spare battery pack
- Memory extension module
- USB FDD
- SPDIF Cable

### ***Software Specifications***

---

#### ***System Software***

- System BIOS: AMI
- Video BIOS: SiS 305 VGA BIOS
- Supported Operating Systems
  - MS-DOS 6.22 or above version
  - Windows 98SE
  - Windows 2000
  - Windows ME
  - Windows XP
- Standard Software Drivers

- 
- VGA driver
  - Audio driver
  - TouchPad driver
  - Modem driver
  - LAN driver
  - USB 1.1 driver