User's Guide

Model: M9700a – R1 Series First Edition: March 2006

NOTICE

Specifications and information found in this manual are subject to change **without** notice. Any changes therefore will be incorporated in future editions. The manufacturer assumes **no** responsibility for errors or omissions in this document.

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Standards

The following standards are adopted throughout this manual:

- Notebook in **boldface** (with or without capitalization) refers to the notebook computer that you have purchased.
- **Boldface** type is also used to highlight **important information** in this document.
- Whenever extra caution is called for, the information will be boxed in a dark frame preceded by "Note:" or "Warning:"

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Chapter 1 - Before You Begin

Please read this section before you start using your computer.

1.1 Checking What You Received

Your notebook package should contain the following items:



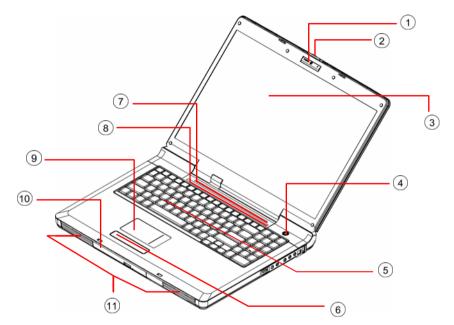
The Notebook.

- AC Adapter.
- AC Power Cord.
- CD Disc (Including Drivers and User's Guide).
- Battery Pack.

Note: You should keep the original factory carton and packing materials in case you need to ship the unit back for servicing.

1.2 Examining Your Computer

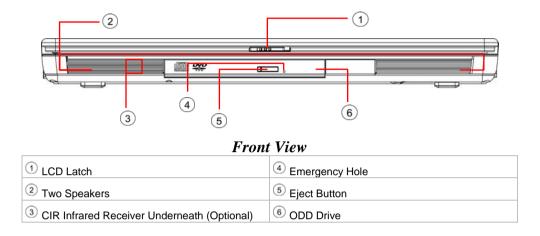
Before you start using your computer, you need to get acquainted with your **notebook**'s main features and interfaces:

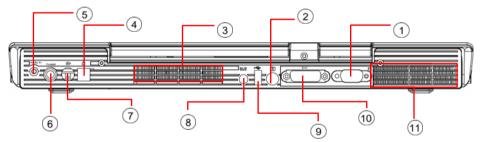


Panoramic View

(1) Web Cam (Optional)	⑦ Seven System LEDs
② LCD Latch	⁽⁸⁾ Nine Finger-Touch Buttons
③ LCD Screen	(9) Touch Pad
④ Power Button	10 ODD Drive
6 Keyboard	1 Two Speakers
⁶ Two Click Buttons	

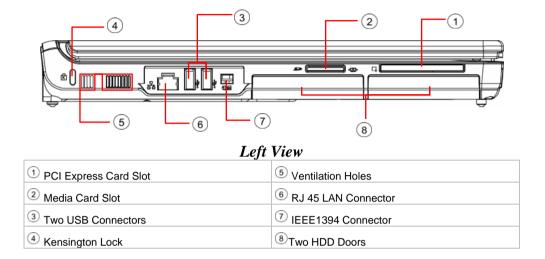
Note: Press this key combination (Fn+F4) to power on and power off the optional Web Cam module. After powering on the Web Cam, you need to activate its function through WindowsTM.

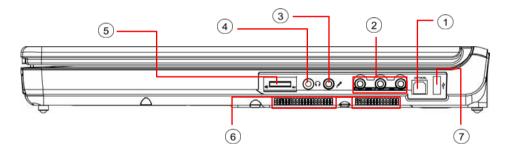




Rear View

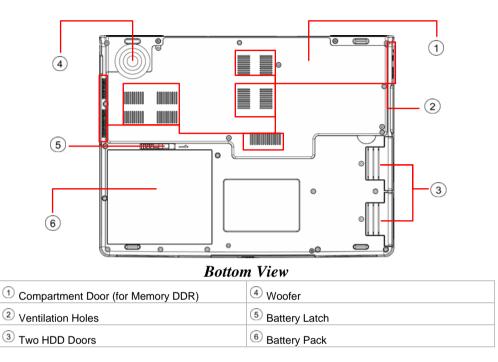
(1) VGA Port	⑦ S-Video In Connector
S-Video Out Connector	⁽⁸⁾ DC-In Jack
③ Ventilation Holes	(9) USB Connector
(4) RJ11 Fax/Modem Connector	10 DVI Connector
⁽⁵⁾ Audio-In Connector	(1) Ventilation Holes
⁶ TV-In Connector	

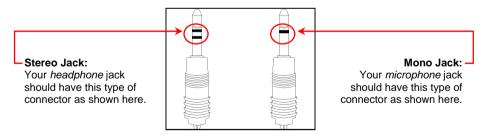




Right View

(1) SPDIF-Out Connector	⁽⁵⁾ Volume Dial
⁽²⁾ Three Audio-Out Ports (Front/ Surround/ Center speakers)	⁽⁶⁾ Ventilation Holes
③ Microphone Jack	OUSB Connector
(4) Headphone Jack	





Two Types of Audio Jack

1.3 The Two System LEDs

The **two System LEDs** are closely knitted together to reflect the system and battery recharge statuses as below.

ⓓ	Off	 The system is off, or in hibernation mode, and The battery pack is fully charged, or battery pack is not inserted. 			
	Blue	 The system is in full operation mode, and The battery pack is fully charged, or battery pack is not inserted. 			
	Blue blinking once per 1.5 seconds	• The system is in standby mode.			
	Amber	The battery pack is being recharged (fast-charge or pre-charge).			
	Purple	The system is in full operation mode, andThe battery pack fails to be recharged.			
	Purple blinking once per second	 The system is in standby mode, and The battery pack fails to be recharged. 			
	Amber blinking once per 3 seconds	 The battery pack is under discharge, and The battery power is more than 10% level. 			
	Amber blinking once per second	 The system is in full operation mode, and The battery power is less than 10% level. 			
	Amber blinking five times per second	 The system is off, or in hibernation mode, and The battery power is less than 5% level. 			

Note: The **two System LEDs** are located at the rear bottom side of the LCD display screen.

For more details on **Standby** and **Hibernate**, please refer to **Power Options** in the **Control Panel** of your Microsoft Windows operating system.

1.4 The Seven Status LEDs



The Num Lock LED

The LED will be lit when the keyboard is in **Num Lock** mode. In this mode, the embedded numeric keypads can be used.



The Caps Lock LED

The LED will be lit when the keyboard is in **Caps Lock** mode. In this mode, all characters you type are in uppercase.



The Touch Pad LED

The LED will be lit when the touch pad function is activated. You can press the (Fn+F5) key combination to switch off and to switch on the touch pad function.



The HDD/ODD LED

The LED will be lit when the system is accessing the hard disk drive and/or optical drive.



The AC Adapter LED The LED will be lit when the system is connected to an AC adapter.



The Wireless LED

The LED will be lit when the wireless function is powered on.



The Finger-Touch Button LED

The LED will temporarily be lit when any of the finger-touch buttons is pressed. For details on finger-touch buttons, please refer to *Chapter 1.6*.

Note: The seven Status LEDs are located near the topside of the keyboard. For the exact location, please refer to the **Panoramic View** diagram in *Chapter 1.2*.

1.5 The Power Button

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Power Button

This **Power Button** is programmable by user. For details on how to program this button, please refer to **Power Options** in the **Control Panel** of **Windows**.

Note: The **Power Button** is located near the right side of the keyboard. For the exact location, please refer to the **Panoramic View** diagram in *Chapter 1.2*.

1.6 The Nine Finger-Touch Buttons

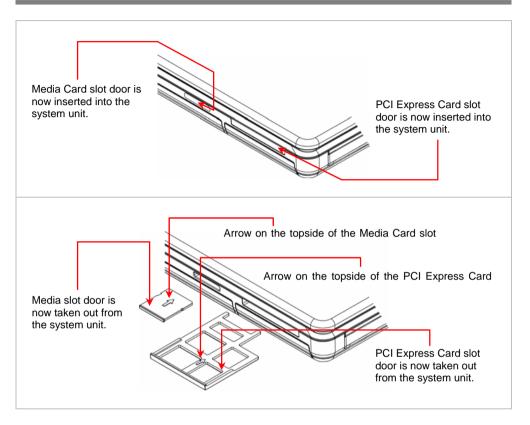
тν	TV Button (Optional) Press this button to run the TV Program .
DVD	DVD Button (Optional) Press this button to run the DVD Program .
MUSIC	Music Button (Optional) Press this button to run the Music Program.
₩	Next Track Button Press this button to skip to the next track/chapter of media playback.
M	Previous Track Button Press this button to skip to the previous track/chapter of media playback.
	Stop Button Press this button to stop media playback.
M	Play/Pause Button Press this button to play or pause media playback.
	Email Button Press this button to activate the email function.
Ø	Internet Button Press this button to activate the Internet function.
to The	

Note: The **nine Finger-Touch Buttons** are "finger-touch sensitive" and are located near the top of the keyboard. For the exact location, please refer to the **Panoramic View** diagram in *Chapter 1.2*.

Note: The system supports Windows[™] MCE and Windows[™] XP operating systems. Windows[™] MCE supports full media center features. If you decide to use Windows[™] XP and at the same time want to enjoy full media center features as supported by this notebook, you need to install software like Cyberlink[™] PowerCinema.
In order to take full advantage of the three buttons (TV Button, DVD Button, Music Button), you are requested to install the Function Key Controller program as supplied in the system driver CD. Without installing this program, you will not be able to activate these functions (through these buttons)

you will not be able to activate these functions (through these three buttons) unless you have entered into the main menu of the media center software. By installing this program, you will be able to activate these functions (through these three buttons) whether you have entered into the main menu of the media center software or not.

1.7 PCI Express Card And Media Slots



Please observe the safety measures below:

• When the PCI Express Card is not inserted into the PCI Express Card slot, make sure this slot is covered by the "PCI Express Card slot door" as supplied together with this **notebook**. The purpose of this "PCI Express Card slot door" is to prevent foreign matters from entering into the system unit through this slot when the PCI Express Card is not inserted. When inserting this "PCI Express Card slot door", please make sure the arrow is on the topside as shown above. Inserting this door upside down may cause damage to your **notebook**.

• When no card (SD/MMC/MS Cards) is inserted into the media slot, make sure this slot is covered by the "media slot door" as supplied together with this **notebook**. The purpose of this "media slot door" is to prevent foreign matters from entering into the system unit through this slot, when no card is inserted. When inserting this "media slot door", please make sure the arrow is on the topside as shown above. Inserting this door upside down may cause damage to your **notebook**.

1.8 *Operating Temperature*

Operating Temperature: 10°C to 35°C.

1.9 The $\langle Fn \rangle$ Key

The $\langle Fn \rangle$ Function Key is located near the bottom-left corner of the keyboard. This key is used together with other keys to activate certain pre-defined functions. To activate these functions, press and hold down $\langle Fn \rangle$ together with the keys described below:



Sleep Switch

Press this key combination (Fn+F1) to enter sleep mode. In sleep mode, the LCD display and selected devices will be switched off for less energy consumption.



Wireless LAN Switch

Press this key combination (Fn+F2) to power on and power off the **Wireless LAN** module. Powering on the **Wireless LAN** by pressing this key combination (Fn+F2) does not automatically activate the **Wireless LAN** function. After powering on, you need to activate the **Wireless LAN** function through WindowsTM. The main purpose of this key combination (Fn+F2) is to provide you with a quick way to turn off the power of **Wireless LAN** when entering venues like airplanes, airports, and hospitals where the usage of **Wireless LAN** is prohibited or not advisable.



LCD/CRT/TV Switch

Press this key combination (Fn+F3) to switch between LCD only, CRT only, TV only, LCD/CRT simultaneously, and LCD/TV simultaneously.



Web Cam Switch (Optional)

Press this key combination (Fn+F4) to power on and power off the Web Cam module. After powering on the Web Cam, you need to activate its function through WindowsTM.



Touch Pad Switch

Press this key combination (Fn+F5) to switch off and to switch on the touch pad function. When the touch pad function is switched off, the touch pad device still can work temporarily for three to five seconds during system reboots into the WindowsTM operating system, or resumes from standby or hibernation.



Mute/Un-mute Switch

Press this key combination (Fn+F6) to mute and to un-mute audio volume.



Decreasing Brightness

Press this key combination (Fn+F7) to decrease the brightness of the LCD display.



Increasing Brightness

Press this key combination (Fn+F8) to increase the brightness of the LCD display.



Bluetooth Switch (Optional)

Press this key combination (Fn+F9) to power on and power off the **Bluetooth**® module. Powering on the **Bluetooth**® by pressing this key combination (Fn+F9) does not automatically activate the **Bluetooth**® function. After powering on, you need to activate the **Bluetooth**® function through WindowsTM. The main purpose of this key combination (Fn+F9) is to provide you with a quick way to turn off the power of **Bluetooth**® when entering venues like airplanes, airports, and hospitals where the usage of **Bluetooth**® is prohibited or not advisable.

Note: The proper way to activate **Wireless LAN** and **Bluetooth**® is described below:

1) Press this key combination (Fn+F2) to power on Wireless LAN.

2) Press this key combination (Fn+F9) to power on **Bluetooth**[®].

3) Activate the application programs in WindowsTM.

The effective range of the **Bluetooth®** system is 10 meters.

Note: Depending on the configuration of the notebook computer you have purchased, some of the function keys may have no function.

Chapter 2 - Battery

2.1 Battery Pack

Your **notebook** is equipped with a high-energy rechargeable **Lithium Ion** (**Li-Ion**) battery pack. Battery life will vary depending on the product configuration, product model, applications loaded on the product, power management settings of the product, and product features used by the customer. As with all batteries, the maximum capacity of this battery will decrease with time and usage.

2.2 Recharging The Battery Pack

Your **notebook** supports both on-line and off-line recharge. Follow the procedure below to recharge battery:

- Make sure the battery pack is installed in the **notebook**.
- Connect the AC adapter to the **notebook** and to an electrical outlet.

The **two System LEDs** are available to reflect the system status as well as the battery status. For details on the **System LEDs**, please refer to *Chapter 1.3*. When the notebook is OFF, a depleted Li-Ion battery will take three hours to recharge.

2.3 Questions and Answers:

- Q: I can feel a mild heat next to the battery pack. Is this normal?
- A: The battery will generate heat during recharging and discharging. There is a protection circuit inside the **notebook** to prevent overheating. You do not need to worry.
- Q: My battery operation time is not as long as it should be. Why?
- A: The battery is heat sensitive and can only be charged to its maximum if the battery and its environmental temperature remain within 15-25°C (59-77°F). The more the temperature deviates from this range during recharging, the less chance there is for the battery to be fully charged. In order to recharge the pack to its full capacity, users are requested to cool down the unit by unplugging the AC Adapter. Wait until it is cooled down. Then plug in the AC Adapter to start recharging again.
- Q: I did not use my spare battery for a few days. Even though it was fully recharged, there wasn't as much power left as a newly charged one. Why?
- A: The batteries will self-discharge (1% per day for Li-Ion) when they are not being recharged. To make sure a battery pack is fully charged, recharge before use. Always keep the battery inside the **notebook** and have the AC adapter connected whenever possible.
- Q: I did not use my spare battery for months. I am having a problem recharging it.
- A: If you happen to leave your battery pack to go through an extended period of selfdischarge, say more than three months, the battery voltage level will become too low and needs to be **Pre-Charged** (to bring the battery voltage level high enough) before it automatically (for Li-Ion only) resumes its normal **Fast Charge**. **Pre-Charge** may take 30 minutes. **Fast Charge** usually takes 2-3 hours.

2.4 Battery Maintenance

To maintain the battery pack's maximum capacity, you should occasionally let the **notebook** deplete its battery power completely before recharging.

To carry out a complete depletion of the battery, disconnect the AC adapter and let your **notebook** consume the remaining battery power. To speed up the depletion, use the HDD as much as possible and set the LCD as bright as possible. When the battery is empty, wait for the **notebook** to cool down (especially the battery). The temperature should be within 15-25°C (59-77°F). Then insert the AC adapter to recharge the battery.

2.5 Power Consumption

WindowsTM XP, the latest Windows operating system, has incorporated the latest state-ofthe-art **ACPI** (<u>Advanced Configuration Power Interface</u>) power management methodology. In order to fully utilize the power of your battery packs, it would be a good idea for you to spend some time acquiring a basic understanding of the power management concept from your operating system.

In WindowsTM Operating Systems, you can go through Power Options of the Control Panel according to the version of the WindowsTM Operating System the notebook uses. We shall not describe them in detail. The Power Options in WindowsTM XP are further divided into the categories below:

- Power Schemes
- Alarms
- Power Meter
- Advanced
- Hibernate

2.6 Reducing Power Consumption

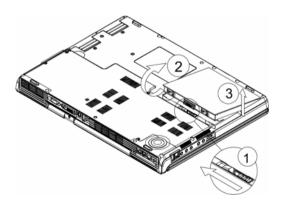
Although your **notebook** (together with the operating system) is capable of power conservation, there are measures you can take to reduce the power consumption:

- Use the AC power whenever possible.
- Lower the intensity of the LCD backlight. A very bright screen translates to higher power usage.
- Try to use the HDD or the PCMCIA drive to read and write files, instead of using the external USB FDD.

Note: The battery pack should be locked in the battery compartment all the time.

2.7 Removing The Battery Pack

This battery pack can easily be removed and replaced. Make sure that the computer is properly shutdown before changing the battery pack. If you would like to change the battery pack while the power is on, make sure this battery pack is not the only electrical source to the system unit. Follow the steps below to remove the battery pack.



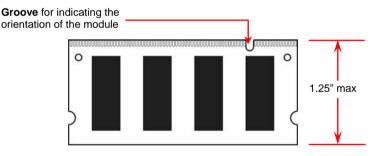
- Have the system properly shutdown.
- Flip the system upside down as shown.
- Push the battery latch to unlock the position as shown by **#1**.
- The battery pack will pop up as shown by **#2**.
- Remove the battery pack as shown by **#3**.

To insert the battery pack, reverse the steps above.

Chapter 3 - Memory

Your **notebook** is equipped with a configurable memory unit. The industry standard **JEDEC PC3200 (DDR-400) S.O.DIMM** memory module sockets are available for memory upgrade to 2048MB. The table below illustrates all the possible ways system memory can be configured.

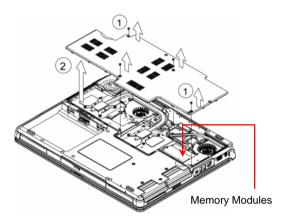
Total Memory	Socket#1	Socket#2
256MB	0MB	256MB
256MB	256MB	0MB
512MB	0MB	512MB
512MB	256MB	256MB
512MB	512MB	0MB
768MB	256MB	512MB
768MB	512MB	256MB
1024MB	0MB	1024MB
1024MB	512MB	512MB
1024MB	1024MB	0MB
1280MB	256MB	1024MB
1280MB	1024MB	256MB
1536MB	512MB	1024MB
1536MB	1024MB	512MB
2048MB	1024MB	1024MB



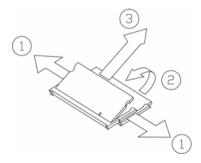
DDR S.O. DIMM Memory Module

3.1 Removing Memory Modules

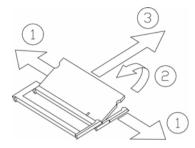
Below is the procedure on how to remove the memory modules.



- Make sure the system is properly shutdown.
- Flip the system upside down as shown.
- Remove the battery pack as shown in *Chapter 2*.
- Remove the four screws as shown by #1.
- Remove the compartment door as shown by **#2**.



- Press the spring-locks sideways as shown by **#1**.
- The first memory module will pop up as shown by **#2**.
- Remove the first memory module as shown by **#3**.



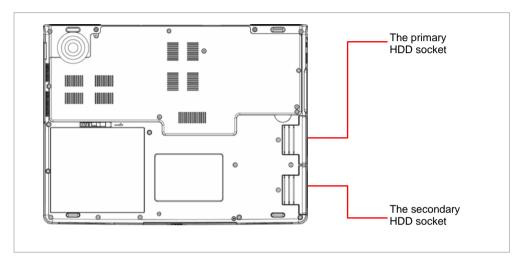
- Press the spring-locks sideways as shown by **#1**.
- The second memory module will pop up as shown by **#2**.
- Remove the second memory module as shown by **#3**.

To insert the memory modules, reverse the steps above.

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Chapter 4 - The HDD Drives

4.1 The Two HDD Sockets

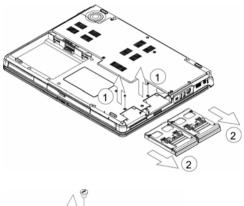


Your **notebook** is equipped with two sets of HDD sockets. These sockets support industry standard 2.5"/9.5mm SATA-2 Gen1i (1.5Gb/s) hard disk drives. Unless you are going to install two Windows bootable HDD drives into these sockets, there is generally no need to distinguish which socket is the **primary socket** and vice versa. Below are the three major scenarios:

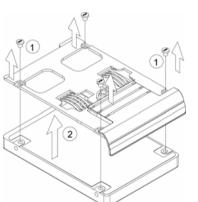
- **One WindowsTM bootable HDD drive:** You are at your liberty to use either one of the two sockets. But the **primary socket** is your preferred choice for the bootable HDD drive.
- One Windows[™] bootable HDD drive and another Windows[™] non-bootable HDD drive: You are at your liberty to use either one of the two sockets for the bootable HDD drive. Again, the **primary socket** is your preferred choice for the bootable HDD drive.
- Both HDD drives are WindowsTM bootable: Choose the HDD drive you want the system to boot up from and have this drive installed on the **primary socket**.

4.2 Removing The Hard Disk Drives

Below is the procedure on how to remove the hard disk drives.



- Make sure the system is properly shutdown.
- Flip the system upside down as shown.
- Remove the battery pack as shown in *Chapter 2*.
- Remove the two screws as shown by #1.
- Remove the two HDD drives as shown by #2.
- Remove the four screws as shown by #1.
 - Remove the HDD door as shown by **#2**.



To insert the HDD drives, reverse the steps above.

Appendix A - Agency Regulatory Notices

A.1 Safety Instructions

CAUTION: Please read these safety instructions carefully.



CAUTION: Please keep this User's Manual for future reference.



CAUTION: Please disconnect this equipment from the AC outlet before cleaning. DO NOT use liquid or sprayed detergent for cleaning. Use a clean moistened cloth.



CAUTION: The wall socket used should be positioned near the equipment and should be easily accessible.



CAUTION: Please keep this equipment free from humidity.



CAUTION: Place the equipment on a reliable surface at all times. A drop or fall can cause severe damage.



WARNING: The openings of the enclosure are for air ventilation and are meant to protect the equipment from overheating. DO NOT COVER THE VENTILATION OPENINGS.



CAUTION: Verify the voltage of the power source before connecting the unit to any power outlet.



WARNING: DO NOT step on or place anything over the power cord.



CAUTION: All cautions and warnings on the equipment should be noted.



WARNING: If the equipment is not used for a long period of time, disconnect the equipment from the power source to avoid damage from power spikes.



WARNING: NEVER pour any liquid into any openings; a fire or electrical shock is possible.



WARNING: For safety reasons, other than pre-designated ports and doors, the equipment should be opened only through qualified service personnel.



CAUTION: If one of the following situations should arise, the equipment should be checked by an authorized technician:

- a. The power cord or plug is damaged.
- b. Liquid has penetrated into the equipment.
- c. The equipment has been exposed to excessive moisture.
- d. The equipment does not work well, or you fail to get it to work according to the user's manual.
- e. The equipment has been dropped or damaged.
- f. The equipment has obvious signs of breakage.

CAUTION: DO NOT LEAVE THE EQUIPMENT IN TEMPERATURES BELOW -20°C(-4°F) OR ABOVE 60°C(140°F). IT MAY CAUSE DAMAGE TO THE EQUIPMENT.



WARNING: Never install modem/telephone wiring during a lightning storm.



WARNING: Never install modem/telephone jacks in wet locations unless the jack is specially designed for wet locations.



WARNING: Never touch un-insulated modem/telephone wires or terminals unless the modem/telephone line has been disconnected at the network interface.



CAUTION: Use caution when installing or modifying modem/telephone lines.



WARNING: Avoid using a modem/telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.



WARNING: This computer contains an internal lithium battery-powered real-time circuit. There is a risk of explosion and injury if the battery is incorrectly replaced or handled. Do not attempt to recharge, disassemble, immerse in water, or dispose of it in fire. Replacement should be done through your notebook dealer.



WARNING: THE CD-ROM/DVD-ROM IN THIS NOTEBOOK EMPLOYS A LASER SYSTEM.

- a. To ensure proper use of this product, please read the relevant instructions carefully and retain for future reference.
- b. Should the unit ever require maintenance, contact your local dealer.
- c. Use of controls, adjustments or the performance of procedures other than those specified may result in hazardous radiation exposure.
- d. To prevent direct exposure to the Laser Beam, do no try to open the enclosure.



CAUTION: The internal CD-ROM/DVD-ROM drive is classified as a **CLASS 1 LASER PRODUCT**. The label is located on the outside of the CD-ROM/DVD-ROM drive with the following wordings:

CLASS 1 LASER PRODUCT KLASSE 1 LASER PRODUKT

WARNING: There is a 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.

Explosionsgefahr bei unsachgemäßen Austausch der Batterie. Ersatz nur durch denselben oder einem vom Hersteller empfohlenem ähnlichen Typ. Entsorgung gebrauchter Batterien nach Angaben des Herstellers.



WARNING: Your **notebook** contains a Ni-MH or Li-Ion battery pack. There is a risk of fire and chemical burn if the battery pack is handled improperly. Do not disassemble, crush, puncture, short external contact, dispose of in water or fire, or expose it to temperatures higher than 60 °C.



WARNING: Handle the battery pack very carefully. Avoid touching the metal leads on the connector of the battery case.



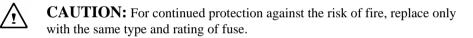
CAUTION: Use only the approved AC Adapter with your notebook. Using the wrong type of AC Adapter may cause serious damage to your notebook.



CAUTION: The AC Adapter can accept a line voltage ranging from 100V to 240V and is compatible with most international power sources. If you are unsure whether your power source is compatible, please contact the local dealer for assistance.



CAUTION: To reduce the risk of fire, use only a No. 26 AWG or larger telecommunication line cord.





CAUTION: If the computer is not sold in the German area, please use only the local recognized power supply cords that are recommended by the manufacturer.



WARNING: Don't expose your **notebook** to excessive heat or coldness (frost). Don't drop, spill fluids or open the exterior of the case. This can damage the **notebook** and void the warranty.



Caution: This notebook computer contains a certified optical module that is equivalent as a **Class 1 LASER PRODUCT**.

A.2 Agency Notice

Federal Communications Commission Notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

Modifications

The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by the manufacturer responsible for compliance may void the user's authority to operate the equipment.

Cables

Connections to this device must be made with shielded cables with metallic RFI/EMI connector hoods to maintain compliance with FCC Rules and Regulations.

FCC RF Radiation Exposure Statement

- This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
- This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

• If this device is going to be operated in 5.15 -5.25GHz frequency range, then it is restricted to an indoor environment only.

USA and Canada Safety Requirements And Notices

The FCC with its action in ET Docket 93-62 has adopted a safety standard for human exposure to radio frequency (RF) electromagnetic energy emitted by FCC certified equipment. The Intel PRO/Wireless LAN MiniPCI Adapter products meet the Human Exposure limits found in OET Bulletin 65, 2001, and ANSI/IEEE C95.1, 1992. Proper operation of this radio according to the instructions found in this manual will result in exposure substantially below the FCC's recommended limits.

The following safety precautions should be observed:

- Do not touch or move the antenna while the unit is transmitting or receiving.
- Do not hold any component containing the radio such that the antenna is very close or touching any exposed parts of the body, especially the face or eyes, while transmitting.
- Do not operate the radio or attempt to transmit data unless the antenna is connected; if not, the radio may be damaged.

Use in specific environments:

- The use of wireless devices in hazardous locations is limited by the constraints posed by the safety directors of such environments.
- The use of wireless devices on airplanes is governed by the Federal Aviation Administration (FAA).
- The use of wireless devices in hospitals is restricted to the limits set forth by each hospital.

Antenna use:

- In order to comply with FCC RF exposure limits, low gain integrated antennas should be located at a minimum distance of 20 cm (8 inches) or more from the body of all persons.
- High-gain, wall-mount, or mast-mount antennas are designed to be professionally installed and should be located at a minimum distance of 30 cm (12 inches) or more from the body of all persons. Please contact your professional installer, VAR, or antenna manufacturer for proper installation requirements.

Explosive Device Proximity Warning

Warning: Do not operate a portable transmitter (such as a wireless network device) near unshielded blasting caps or in an explosive environment unless the device has been modified to be qualified for such use.

Use On Aircraft Caution

Caution: Regulations of the FCC and FAA prohibit airborne operation of radio-frequency wireless devices because their signals could interfere with critical aircraft instruments.

Canadian Notice

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

Avis Canadien

Cet appareil numerque de la classe B respecte toutes les exigences du Reglement sur le materiel brouilleur du Canada.

Canada Radio Frequency Interference Requirements

This Class B digital apparatus complies with Canadian ICES-003, Issue 2, and RSS-210, Issue 4 (Dec. 2000).

"To prevent radio interference to the licensed service, this device is intended to be operated indoors and away from windows to provide maximum shielding. Equipment (or its transmit antenna) that is installed outdoors is subject to licensing."

Cet appareil numérique de la classe B est conforme à la norme NMB-003, No. 2, et CNR-210, No. 4 (Dec. 2000).

"Pour empêcher que cet appareil cause du brouillage au service faisant l'objet d'une licence, il doit être utilizé à l'intérieur et devrait être placé loin des fenêtres afin de fournir un écran de blindage maximal. Si le matériel (ou son antenne d'émission) est installé à l'extérieur, il doit faire l'objet d'une licence."

European Union CE Notice

Product with the CE Marking comply with the EMC Directive (89/336/EEC) and the Low Voltage Directive (73/23/EEC) issued by the Commission of the European Community and if this product has telecommunication functionality, the R&TTE Directive (1999/5/EC).

Compliance with these directives implies conformity to the following European Norms (in parentheses are the equivalent international standards and regulations):

- EN55022 (CISPR 22)— Electromagnetic Interference
- EN55024 (IEC61000-4-2,3,4,5,6,8,11) Electromagnetic Immunity
- EN61000-3-2—(IEC61000-3-2)-Power Line Harmonics
- EN61000-3-3—(IEC61000-3-3)-Power Line Flicker
- EN60950 (IEC60950) Product Safety

For devices with built-in wireless equipment, the following additional standards apply:

- ETSI301489-17: General Emissions for Radio Equipment
- EN60950: Safety
- ETSI300328-2: Technical Requirements for Radio Equipment

CE Caution: Due to the fact that the frequencies used by 802.11b/802.11g wireless LAN devices may not yet be harmonized in all countries, 802.11b/802.11g products are designed for use only in specific countries or regions, and are not allowed to be operated in countries or regions other than those of designated use. As a user of these products, you are responsible for ensuring that the products are used only in the countries or regions for which they were intended and for verifying that they are configured with the correct selection of frequency and channel for the country or region of use. Any deviation from permissible settings and restrictions in the country or region of use could be an infringement of local law and may be punished as such.

Ji mui	mund i runce.				
01	Ain	36	Indre	69	Rhône
02	Aisne	37	Indre et Loire	70	Haute Saône
03	Allier	39	Jura	71	Saône et Loire
05	Hautes Alpes	41	Loir et Cher	72	Sarthe
08	Ardennes	42	Loire	75	Paris
09	Ariège	45	Loiret	77	Seine et Marne
10	Aube	50	Manche	78	Yvelines
11	Aude	54	Meurthe et Moselle	79	Deux Sèvres
12	Aveyron	55	Meuse	82	Tarn et Garonne
16	Charente	57	Moselle	84	Vaucluse
19	Corrèze	58	Nièvre	86	Vienne
2A	Corse Sud	59	Nord	88	Vosges
2B	Haute Corse	60	Oise	89	Yonne
21	Côte d'Or	61	Orne	90	Territoire de Belfort
24	Dordogne	63	Puy du Dôme	91	Essonne
25	Doubs	64	Pyrénées Atlantique	92	Hauts de Seine
26	Drôme	65	Haute Pyrénées	93	Seine St Denis
27	Eure	66	Pyrénées Orientales	94	Val de Marne
32	Gers	67	Bas Rhin		
35	Ille et Vilaine	68	Haut Rhin		

The wireless LAN device can currently be used indoors only in the following departments of mainland France.

The wireless LAN device cannot currently be used in any departments of mainland France other than those listed above.

Maximum allowable EIRP 802.11b wireless LAN cards in the mainland departments of France not shown in the table above are as follows: (See the ART website at www.art-telecom.fr for information on the French overseas territories.)

Frequency Ranges (MHz)	Indoors	Outdoors
2400 – 2446.5	10 mW	Not permitted
2446.5 – 2483.5	100 mW	100 mW on private property with Ministry of Defense approval

Japanese Notice

本装置は、第二種情報装置(住宅地域またはその隣接した地域において使用される べき情報装置)で住宅地域での電波障害防止を目的とした情報処理装置等電波障害 自主規制協議会(VCCI)基準に適合しております。 しかし、本装置をラジオ、テレビジョン受信機に、近接してご使用になると、受信 障害の原因となることがあります。本書の説明にしたがって正しい取り扱いをして ください。

DGT Statement

根據交通部 低功率管理辦法 規定:

- 第十四條 經型式認證合格之低功率射頻電機,非經許可,公司、商號或使用者均不得擅 自變更頻率、加大功率或變更原設計之特性及功能。 第十七條 低功率射頻電機之使用不得影響飛航安全及干擾合法通信,經發現有干擾現象
- 時,應立即停用,並改善至無干擾時方得繼續使用。
- 第二十條 輸入、製造低功率射頻電機之公司、商號或使用者違反本辦法規定,擅自使用 或變更無線電頻率、電功率者,除依電信法規定處罰外,電信總局並得撤銷其 型式認證證明或型式認證標籤。

U.S. Regulations Governing the Use of Modems

This equipment complies with Part 68 of the FCC Rules. On this equipment is a label that contains, among other information, the FCC registration number and <u>**R**</u>inger <u>**E**</u>quivalence</u> <u>**N**</u>umber (**REN**) for this equipment. You must, upon request, provide this information to your telephone company.

If your telephone equipment harms the telephone network, the Telephone Company may discontinue your service temporarily. If possible, they will notify in advance. But, if advance notice is not practical, you will be notified as soon as possible. You will be informed of your right to file a compliant with the FCC.

Your telephone company may make changes in its facilities, equipment, operations, or procedures that could affect proper operation of your equipment. If they do, you will be notified in advance to give you an opportunity to maintain uninterrupted telephone service.

The FCC prohibits this equipment to be connected to party lines or coin-telephone service.

In the event that this equipment should fail to operate properly, disconnect the equipment from the phone line to determine if it is causing the problem. If the problem is with the equipment, discontinue use and contact your dealer or vendor.

The FCC also requires the transmitter of a FAX transmission be properly identified (per FCC Rules Part 68, Sec 68.381 (C) (3)).

Japanese Modem Notice

本製品を日本で使用する場合は必ず日本国モードでご使用ください。 他国のモードをご使用になると電気通信事業法(技術基準)に違反す 行為となります。なお、ご購入時は初期値が日本国モードとなっており ますので、そのままご利用ください。

U.K. Modem Compliance Information

This modem is approved by the secretary of state at the **D**epartment of **T**rade and **I**ndustry for connection to a single exchange line of the public switched telephone network run by certain licensed public telecommunication operators or system connected there to (Direct exchange lines only, not shared service or 1-1 carrier systems).

This modem is also suitable for connection to <u>Private</u> <u>A</u>utomatic <u>B</u>ranch E<u>x</u>change (PABX), which return secondary proceeding indication.

If this modem is to be used with a PBX which has extension wiring owned by BT, connection of the modem the PBX can only be carried out by BT; or by the authorized maintainer of the PBX unless the authorized maintainer has been given 14 days written notice that the connection is to be made by another person; and that period of notification has expired.

This modem is suitable for use only on telephone lines proved with Loop Disconnect or Multi-Frequency Dialing Facilities.

Users of this modem are advised that the approval is for connection to the **PSTN** via the telephone line interface supplied with it. Connection of a modem to the **PSTN** by any other means will invalidate the approval.

There is no guarantee of correct working in all circumstances. Any difficulties should be referred to your supplier.

Some network operators require that intended users of their network request permission to connect and for the installation of an appropriate socket.

The <u>R</u>inger <u>E</u>quivalence <u>N</u>umber (**REN**) of this modem is 1. **REN** is guide to the maximum number of apparatus that can simultaneously be connected to one telephone line. The **REN** value of each apparatus is added together, and should not exceed 4. Unless otherwise marked, a telephone is assumed to have a **REN** of 1.

This modem is only approved for use of the following facilities:

- Storage of telephone numbers for retrieval by a predator mined code.
- Initial proceed indication detection.
- Automatic calling / automatic answering.
- Tone detection.
- Loud-speaking facility.

This modem is not approved for connection to U.K./private speech-band services. This modem does not support an automatic re-dial function. Any other usage will invalidate the approval of your modem, if as a result, it then ceases to confirm to the standards against which approval was granted. The approval of this modem is invalidated if the apparatus is subject to modification in any material way not authorized by the **BABT** or if it is used with, or connected to external software that have not been formally accepted by **BABT**.