Notebook Computer

User's Guide

Preface

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.

Safety Notices

1. Please read these safety instructions carefully.
2. All precautions and warnings on the equipment should be carefully noted.
3. Please disconnect the computer from the AC outlet before cleaning.
4. Never pour any liquids into any openings or directly onto the computer unit. This could result in fire or electrical shock.
5. Ensure the voltage range of the power outlet is between 100V and 240V before connecting the computer unit. Exceeding the maximum rated voltage may cause damage to the AC adapter or to the computer. This could result in fire or electrical shock.
6. Do not leave this equipment in a non-temperature controlled environment; storage temperatures below 4°C (39°F) or above 35°C (95°F) may damage the unit.

! CAUTION **To reduce the risk of an electric shock, which could cause personal injury, please follow all safety notices. The symbols shown are used in your documentation and on your equipment to indicate safety hazards.**

! CAUTION **Lithium batteries can be dangerous. 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.**

! CAUTION **Under no circumstances should the user attempt to disassemble the power supply. The power supply has no user-replaceable parts. Inside the power supply are hazardous voltages that can cause serious personal injury. A defective power supply must be returned to your dealer.**

Safety Notices for the Power Cord

This equipment has a 2 pins power cable. Replace the power cord if it becomes damaged. Contact your dealer for an exact replacement.

In the U.S.A. and Canada, the power cord must be a UL-listed detachable power cord (in Canada, CSA-certified).

2 pins power cable	18 AWG, 3-conductor

Provided with a molded-on cord connector body at the other end. The cord length must not exceed 3 meters.

Outside the U.S.A. and Canada, the plug must be rated for 250 VAC, 2.5 amp minimum, and must display an international agency approval marking. The cord must be suitable for use in the end-user's country. Consult your dealer or the local electrical authorities if you are unsure of the type of power cord to use in your country. Voltage changes occur automatically in the power supply.

Notice of EMC Compliance

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 technician for help.

Use only shielded I/O cables to connect I/O devices to this equipment.

You are cautioned the changes or modifications not expressly approved by the party responsible for compliance could void your authority to use the equipment.

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

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

Canadian EMI Compliance Statement

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

European Union CE Marking Declaration

This product has been tested and found to comply with the EMC requirement subject to the EU directive for CE marking.

CE DECLARATION OF CONFORMITY

Is herewith confirmed to comply with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating to Electromagnetic Compatibility (89/336/EEC), Low-voltage Directive (73/23/EEC) and the Amendment Directive (93/68/EEC), the procedures given in European Council Directive 99/5/EC and 89/3360EEC.

The equipment was passed. The test was performed according to the following European standards:

- EN 300 328 V.1.6.1 (2004)
- EN 301 489-1 V.1.4.1 (2002) / EN 301 489-17 V.1.2.1 (2002)

- EN 50371: 2002
- EN 60950-1: 2001

REGULATORY STATEMENT (R&TTE / WLAN IEEE 802.11A/B/G & 802.11 A/G/N)

European standards dictate maximum radiated transmit power of 100mW EIRP and frequency range 2.400-2.4835GHz; In France, the equipment must be restricted to the 2.4465-2.4835GHz frequency range and must be restricted to indoor use.

- Inside the buildings with a power (WORSE *) maximum of 100 MW on all the frequency band 2400-2483,5 MHz,
- Outside the buildings with a power (WORSE *) maximum of 100 MW on the part 2400-2454MHz and with a power (WORSE *) maximum of 10 MW on the part 2454-2483MHz

Notes: This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. SAR has been evaluated and the maximum SAR value reported is : 0.055W/Kg.

Table of Content

Chapter 1

Introducing Your Notebook

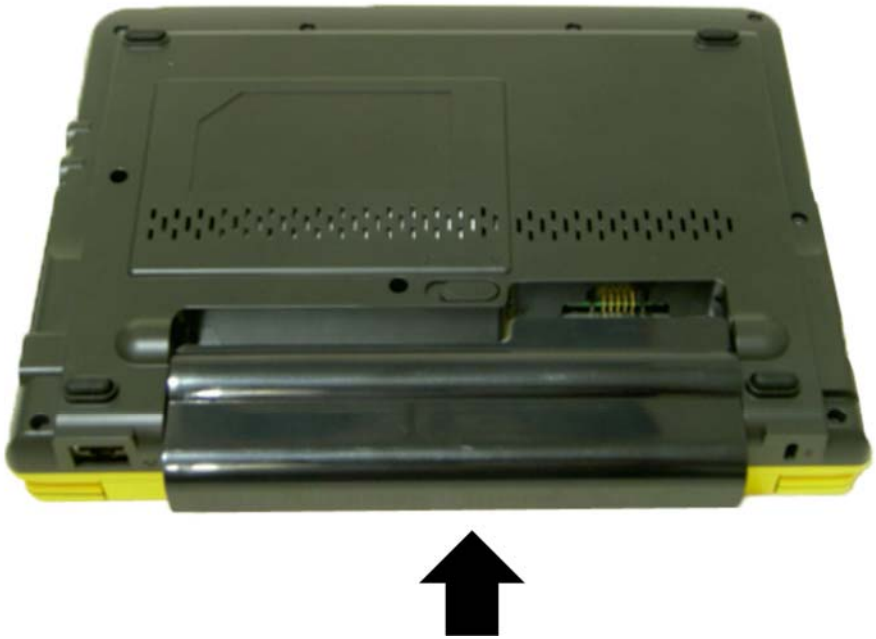
Operating Environment

You can use your computer under a wide range of environmental conditions. However, 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 to the computer's hard disk drive, avoid using the computer where it will be exposed to strong vibration.
- Place the computer away from electromagnetic or radio frequency interference.
- Be sure not to expose to dirty or dusty environments. Do not operate during a gas leak.
- Be sure not to place or drop objects on top and do not shove any foreign objects into the machine.
- Avoid pressing or touching the display panel.
- Avoid placing together with small items that may scratch or enter the machine.
- Avoid using or storing the computer where it will be exposed to extreme temperatures. In particular, 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.
- Avoid exposing the computer to high or low humidity. Extreme humidity can contribute to disk drive failure.
- 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. To ensure reliable operation, leave about 10 cm (4 inches) around the computer for unobstructed air circulation. Avoid exposing the computer to dust or smoke.

Preparing your computer.

Install the Battery Pack



Connecting to a Power Source

You can use the provided AC adapter to supply your computer with power from an AC wall outlet.

- Place the computer so that you have easy access to its rear panel.
- Plug the AC adapter's connector into the DC-IN connector on the rear panel of the computer.
- Connect the power cord to the AC adapter and then to a wall outlet.

WARNING: **Do not use inferior extension cords as this may result in damage to your Notebook. An AC adapter is provided along with your Notebook. Do not use a different adapter to power the computer, and do not use the AC adapter to power other electrical devices. Try not to turn off or reset your Notebook while the hard disk is in use.**

Open the Display Panel

Turning on Your Notebook Computer

Learning the Parts

Open View

1. CCD Camera

The built-in camera allows picture taking, video recording or video conferencing.

NOTE **You can use the hotkey combination of Fn + Esc to open the web camera.**

2. LCD Display

Your Notebook computer is equipped with a replaceable color Liquid Crystal Display (LCD) screen that supports up to 1280*800. It functions the same as a desktop monitor. Use a soft cloth without chemical liquids (use plain water if necessary) to clean the display panel.

3. Power Switch

The power switch turns the notebook on and off. Press momentarily to turn on the system. Press and hold for at least 3~4 seconds to turn off the system. The power switch only works when the display panel is opened.

4. Keyboard

The keyboard is used to enter data. It has an embedded numeric keypad and cursor control keys.

5. Digital Microphone

Use this microphone when you are on video conferencing.

6. LED Status Indicator

The LED Status Indicator displays the operating status of your notebook. When a certain function is enabled, an LED will light up. The following section describes its indication.

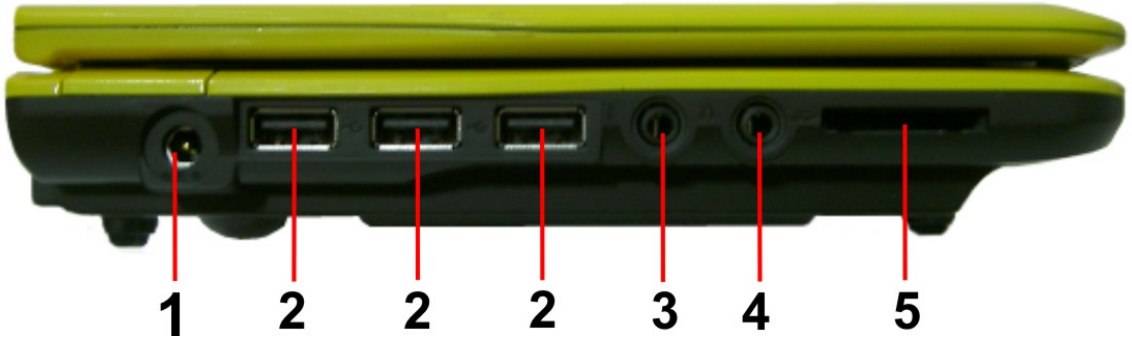
7. TouchPad

The dual-button TouchPad is located below the keyboard. The TouchPad is hardware-compatible with the IBM PS/2 mouse and software-compatible with the Microsoft mouse.

8. TouchPad Buttons

The buttons below the TouchPad correspond to the left and right buttons on a standard mouse.

Left View



1. DC IN Connector

Plug the AC adapter into this connector.

2. USB 2.0 Port (X3)

The Universal Serial Bus (USB2.0-compliant) port allows you to connect a wide variety of devices to your computer at a rate of up to 480 Mbps. This port conforms to the latest USB2.0 plug-and-play standards.

3. Microphone Jack

The microphone jack (3.5-mm diameter) is where you connect a microphone.

4. Stereo Headphone

The stereo headphone jack (3.5-mm diameter) is where you connect the headphones or external speakers.

5. Card Reader

The slot is where PC Card is inserted. The system also supports MMC, MMC plus, SD, 3-1 card reader.

Right View

1. CRT Port

The 15-pin VGA analog port is for connecting the external CRT monitor or projector.

Rear View

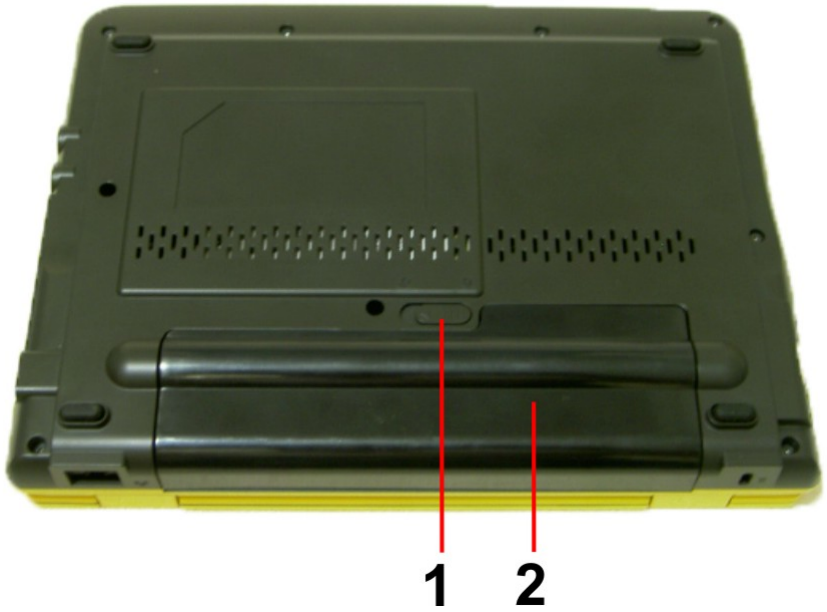
1. Kensington Lock Keyhole

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

2. Ethernet / LAN Port

The port connects to a network hub via the RJ-45 cable and also conforms to 10/100/1000Base-TX transmission protocol.

Bottom View



1. Battery Release Latch

Slide the battery latch to release the battery pack

2. Battery Pack

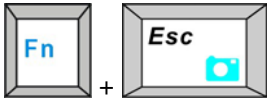
The battery pack is a built-in power source for the notebook.

System Status Indicator

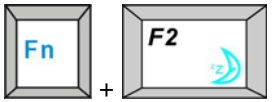
LED Graphic Symbol	Indication
	The solid-state disk drive indicator blinks when data is written to or read from the disk drive.
	The battery charge indicator (LED) shows the status of the battery's power as follows: **ON**: The battery is charging when AC power is connected. **OFF**: The battery is charged or completely drained. **Blinking**: Battery power is in low low condition and AC adaptor is not connected.
	When the built-in wireless LAN is enabled, this indicator lights. This is only applicable on models with built-in wireless LAN.

Hot Keys Combination

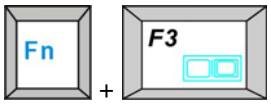
The hot keys are imprinted in light blue color. Press the Fn (function) key with the corresponding function keys from Fn + **Esc/F2/F3/F4/2/3/4/5/6** to execute different application for various operation.



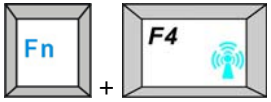
- **Camera mode** – Press the **Fn + Esc** combination keys to Enable/Disable the camera.



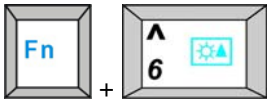
- **Suspend mode** – Press the **Fn + F2** combination keys to enter the suspend mode.



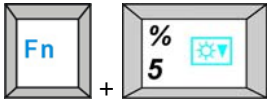
- **LCD/CRT mode** – Press the **Fn + F3** combination keys in switching to LCD/CRT mode.



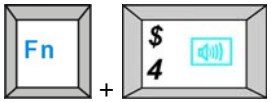
- **WLAN mode** – Press the **Fn + F4** combination keys to Enable/Disable the wireless mode.



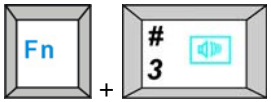
- **Brightness Up** – Press the **Fn + 6** key to increase the brightness of your screen display



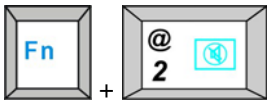
- **Brightness Down** – Press the **Fn + 5** key to decrease the brightness of your screen display



- **Volume Up** – Press the **Fn + 4** key to increase the volume of any audio or video files the system is playing.



- **Volume Down** – Press the **Fn + 3** key to decrease the volume of any audio or video files the system is playing.



- **Mute mode** – Press the **Fn + 2** key to mute the volume of any audio or video files the system is playing.

Chapter 2

Starting Your Notebook

Operating on Battery Power

Your computer comes with a rechargeable battery pack that lets you operate the computer without an external power source.

We recommend you to use batteries that are approved by an authorized dealer. Try not to use the wrong battery for it would cause serious damage to your computer.

Battery Low-Power Warning

Low Battery Warning

Low battery condition occurs when battery power is reduced to 10%. The red power LED indicator blinks.

Very Low Battery Warning

Very Low battery condition occurs at 3 % power remaining. The power LED indicator blinks once. When the notebook warns you of its low battery condition, you will have about 3-5 minutes to save your current work.

Do not expose battery packs to temperatures below 0 degree Celsius (32 degreeF) or above 60 degree C (140F). This may adversely affect the battery pack.

Charging the Battery and Charging Time

To charge the battery, while the battery pack is in the notebook, plug the AC adapter into the notebook and an electrical outlet.

The charging time is approximately 2.5 hours when the notebook is turned off and approximately 4.5-6 hours when the notebook is turned on.

When the battery is fully charged, the battery charge indicator becomes green.

NOTE **If system runs at heavy loading or in a high temperature environment, the battery may not be fully charged. Be sure is not running heavy application and the battery temperature is near the room temperature, you can then re-charge the battery.**

Checking the Battery Level

You can check the remaining battery power in the Windows battery status indicator, which is located at the lower right-hand corner of the task bar. (If you do not see a battery or AC-in icon on the task tray, go to Power Options Properties box and click on the Advanced tab. Check off ``Always show icon on the task bar``.)

Alternatively, you can access the power meter by clicking the Power Options icon in the Windows Control Panel.

Prolonging the Battery's Life and Usage Cycles

There are ways you can do to prolong the use of battery.

- Use the AC adapter wherever AC wall outlet is available. This will ensure uninterrupted computing.
- Purchase additional battery pack.
- Store the battery pack in room temperature. Higher temperature tends to deplete the battery's power faster.
- Make good use of the power management function. Save To Disk (Hibernate) saves the most energy by storing current system contents in a hard disk space reserved for this function.
- The life expectancy of the battery is approximately 300 recharges.
- See the notices section in the beginning of the user manual on how to care for the battery pack.

NOTE: **Read Section Protecting Your Notebook in the beginning of this manual for tips about how to maintain the battery pack. To achieve optimal battery performance, you may need to do a battery calibration at a 3-month interval. To do this:**

- Fully charge the battery.
- Fully discharge the battery in idle mode till it shutdown.
- Fully charge the battery again.

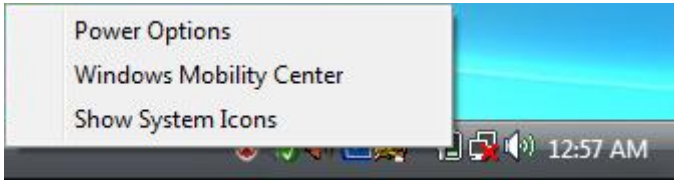
Using Windows Power Options

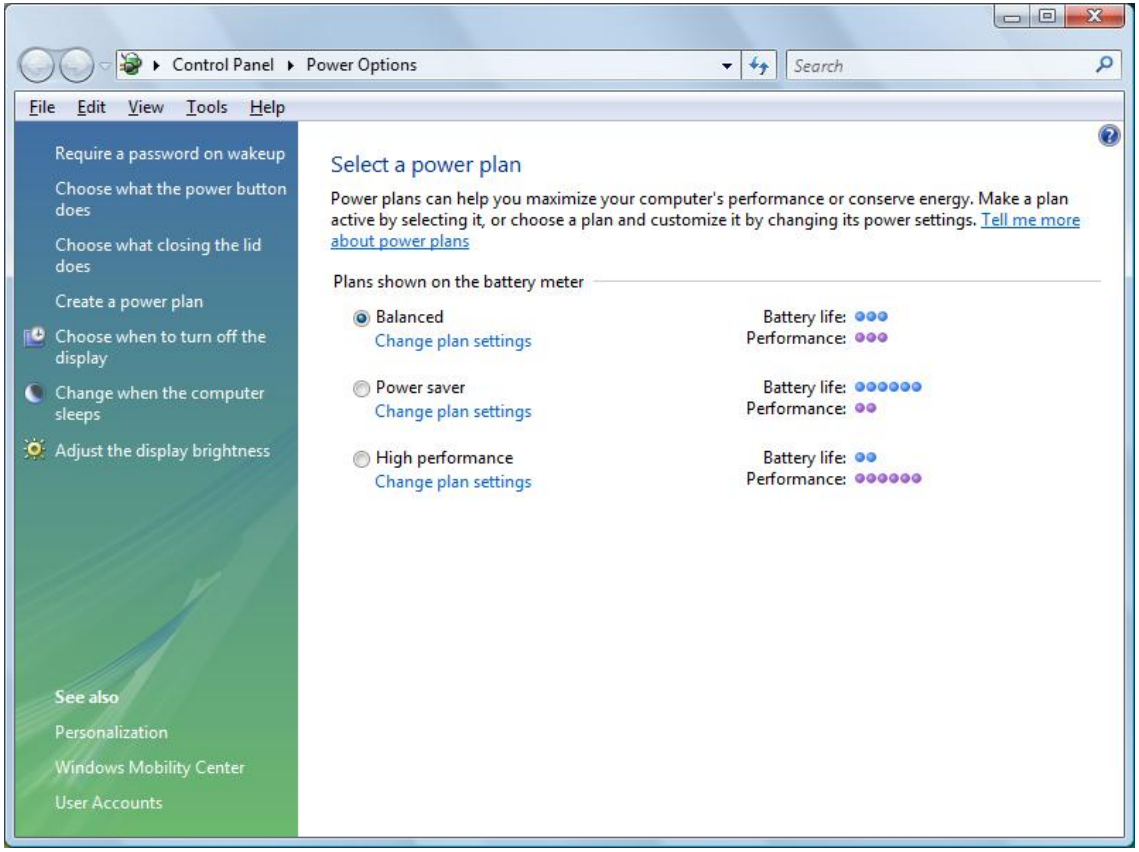
Windows Power Management provides basic power saving features. In the Windows Power Options Properties [Start > Settings > Control Panel > Power Options] dialogue box, you may enter time-out values for display and hard disk drive. Windows power manager saves power by turning off hard drive after 1 minute of inactivity, for example.

Windows' Power Options

The power management control panel in Windows Vista, known as Power Schemes, is designed to provide the user with an easy-to-use interface. The Power Schemes tab can be found in the Power Options Properties panel that is accessible via the control panel window.

Schemes are easy to understand, based on notebook usage scenarios, and control not only processor power usage but other system peripherals as well.





Suspend Mode

Standby Suspend

The system automatically enters this mode after a period of inactivity, which is set in the Power Schemes dialog box. In Standby mode, hardware devices, such as display panel and hard disk, are turned off to conserve energy.

Hibernate Suspend

In this mode, all system data are saved in the hard disk before powering down. When this mode is activated, all system state and contents are saved to the hard disk drive after a period of inactivity defined by the user.

Touchpad

Your notebook touchpad is compatible with the PS/2 mouse. A device driver is not required for working with application software that supports PS/2 mouse operation. The Touchpad is a pressure sensitive pointing device that provides all the features of a two-button mouse. Its primary function is to move the cursor around the screen.

- Left button – click once to select an item, double-click to open a file or program.
- Right button – use the right button to open special menus.

Graphic Subsystem

Your computer uses a high performance 8.9 inch WUXGA/WSXGA panel with high resolution and multi-million colors for comfortable viewing.

Audio Subsystem

Your computer's audio subsystem is Sound Blaster Pro-compatible.

Adjusting the Volume Manually

- To increase the volume, press the **FN + 4** combination keys in front panel of the computer.
- To decrease the volume, press the **FN + 3** combination keys in front panel of the computer.

Voice Recording

A built-in microphone allows you to record sound. You will need to use audio processing software to enable the built-in microphone. For example, you may use Microsoft Sound Recorder.

Ethernet

Your computer is equipped with a 10/100/1000Base-TX Fast Ethernet network adapter. Connect the active LAN cable to the RJ-45 LAN port located on the left side of the computer. This allows you to access and transmit data in the local area network.

Connecting to the Network

Use Unshielded Twisted Pair (UTP) Ethernet cable only.

- Insert one end of the UTP cable into the network connector until the connector snaps securely into the receptacle.
- Either connect the other end of the cable to an RJ-45 jack wall outlet or to an RJ-45 port on a UTP concentrator or hub in the network.

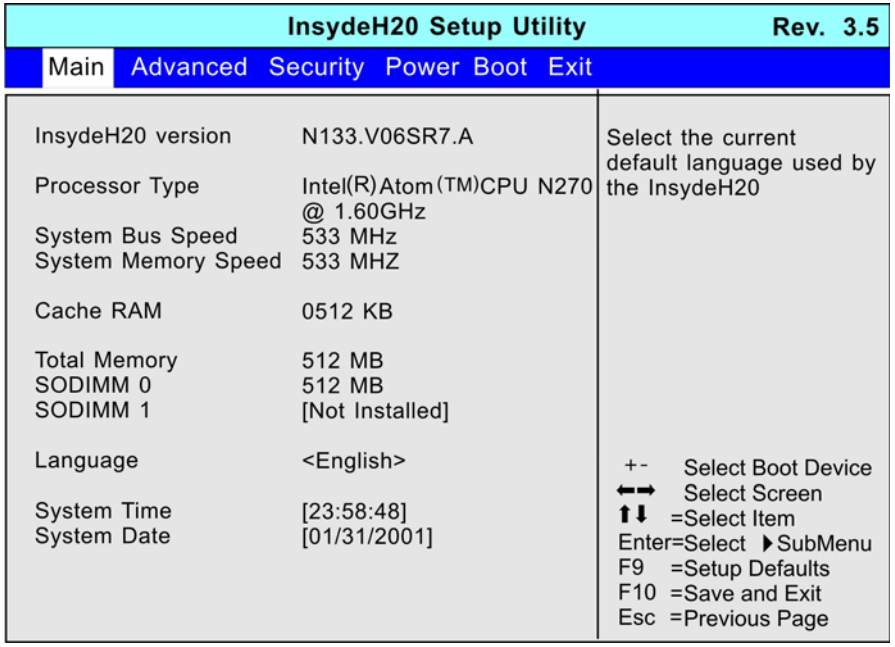
Chapter 3

Customizing Your Computer

Using System Setup

System Setup is used when changing the booting priority, system password or adding new devices.

After turning on your computer, when the booting screen appears, press <F2> to enter the initial System Setup screen.



System Setup Menus

Main Menu

Configures the basic system environment

Advanced Menu

Configures OS and major chipset options of the system.

Security Menu

Configures system security options.

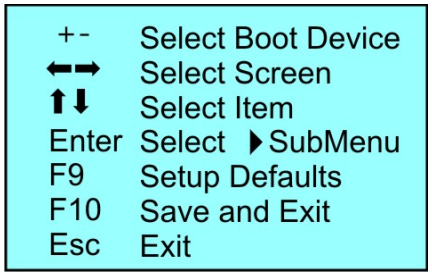
Boot Menu

Configures booting options.

Exit Menu

Exits System Setup

System Setup Navigation Keys



- **+/-** - Use to select Boot Device
- ← → - Moves between menus
- ↑↓ - Moves up and down between fields
- **Enter** – Selecting the sub menu
- **F9** - Restores default values

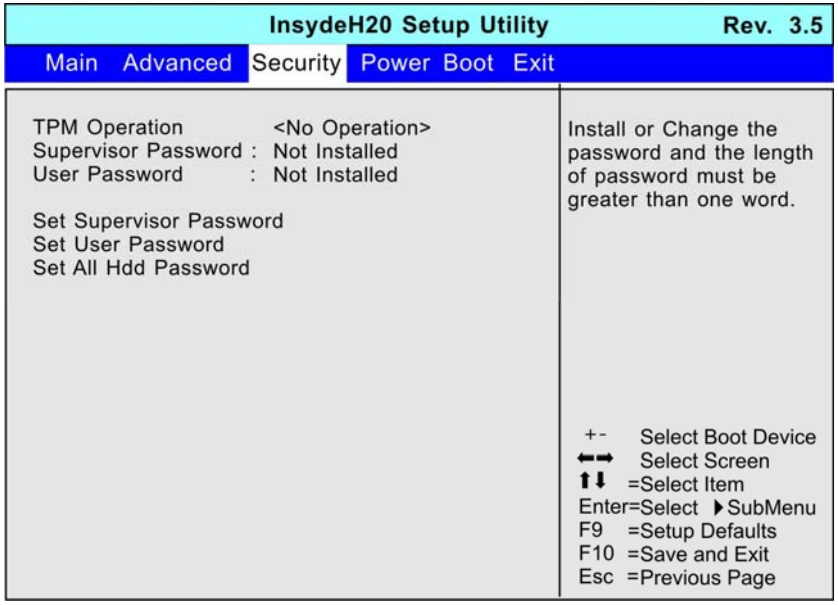
- **F10** - Saves changes and exits System Setup
- **Exit** - Exits the current sub menu or opens the Exit menu.

Configures the Password

Setting the Supervisor Password

NOTE: **This serve as a restriction of your system access to authorized users only.**

1. Select the “Security” menu in the BIOS setup
2. On the “Set Supervisor Password” item, press <Enter>.
3. Enter a password, press <Enter>, re-enter the password for confirmation, and press <Enter> again.
4. When a message confirming the password configuration appears, press <Enter>.



Setting User Password

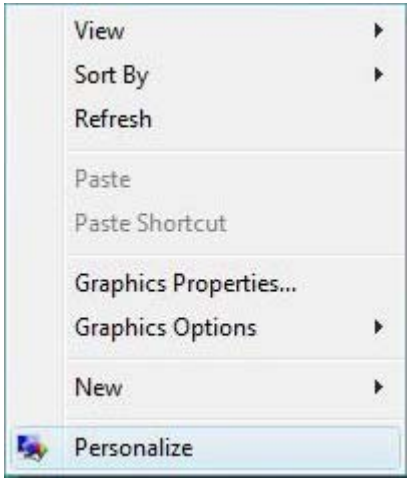
A password can also be set for other users to use the system.

NOTE: Before you configure a user password, the supervisor password must have been configured.
Other users can use the system with their user password but not access to the System Setup.
It is only that the supervisor password is deactivate will also deactivates the user password.

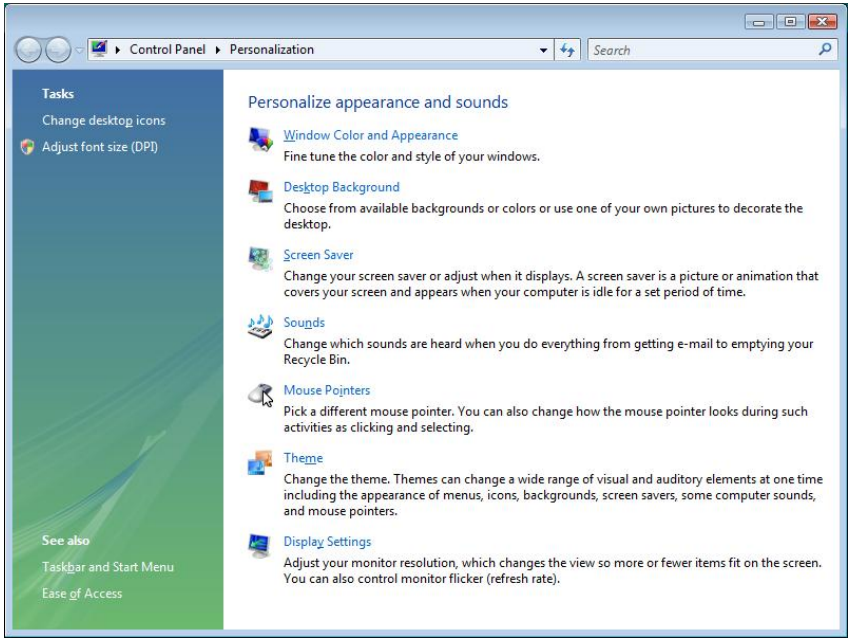
On the “Set User Password” item, press <Enter>, and complete step 3 and 4 mentioned in “Configuring the Supervisor Password”.

Adjusting the Display

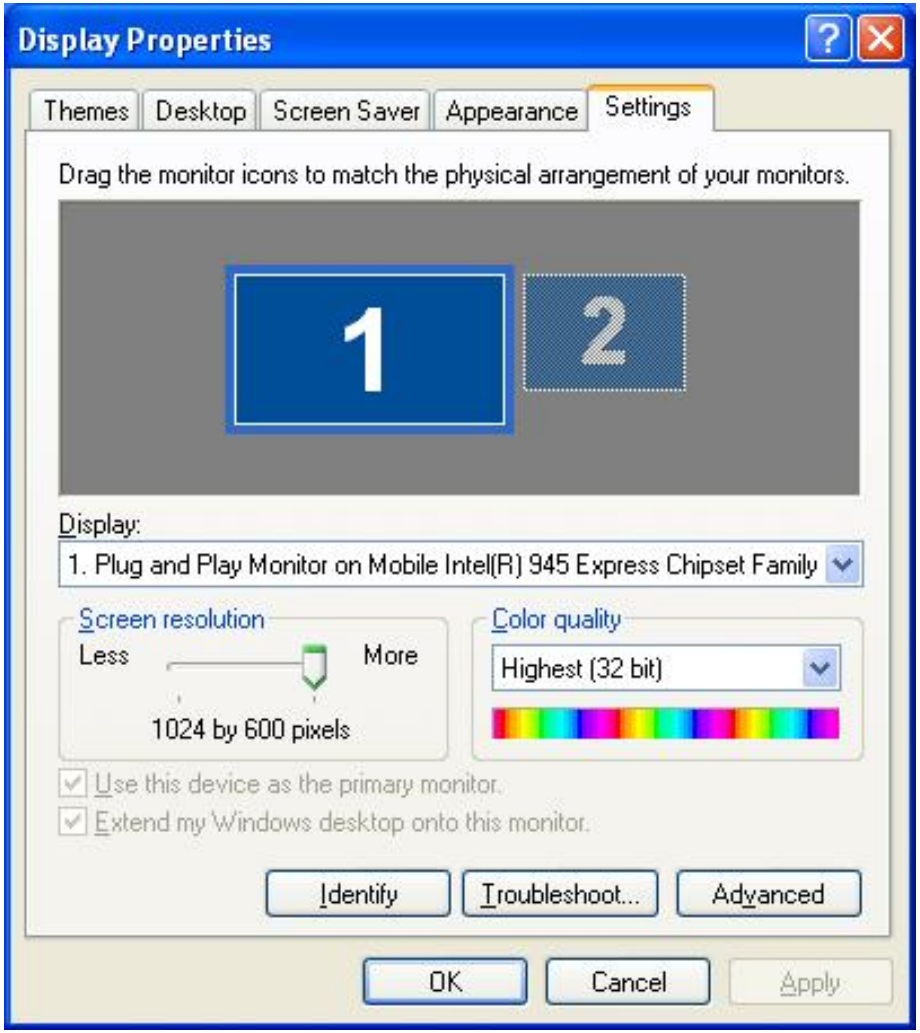
Click on your mouse right button to display this mini window on your screen.



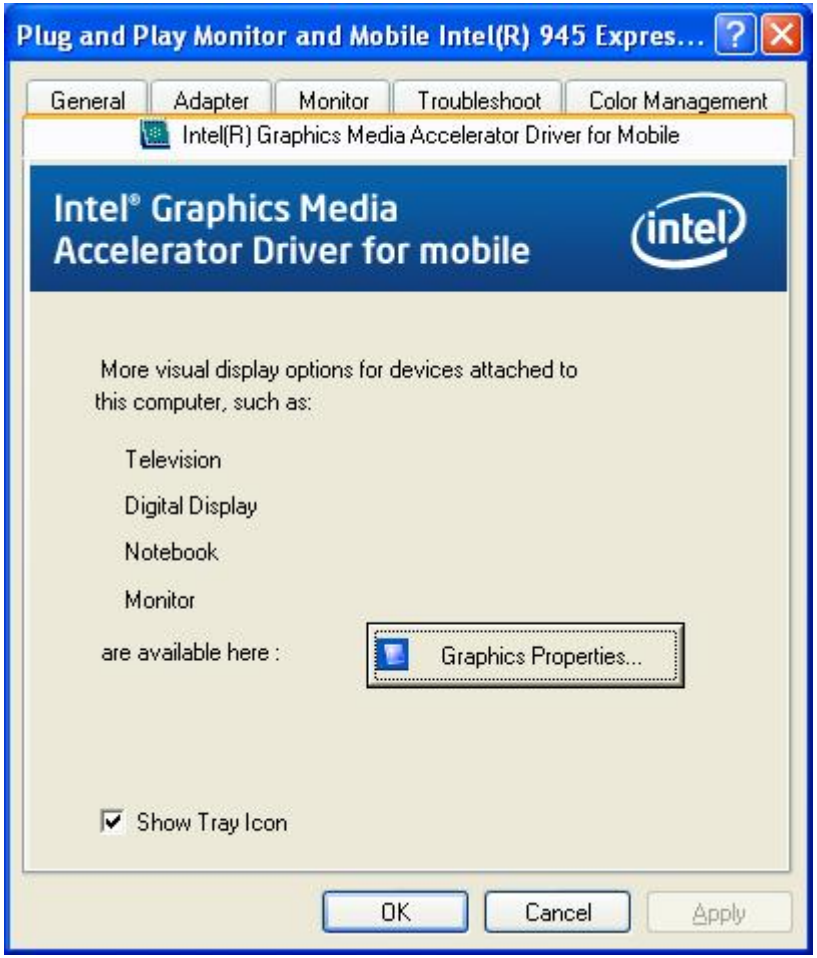
Click on the “Personalize” item.



Click on the “Display Settings”.



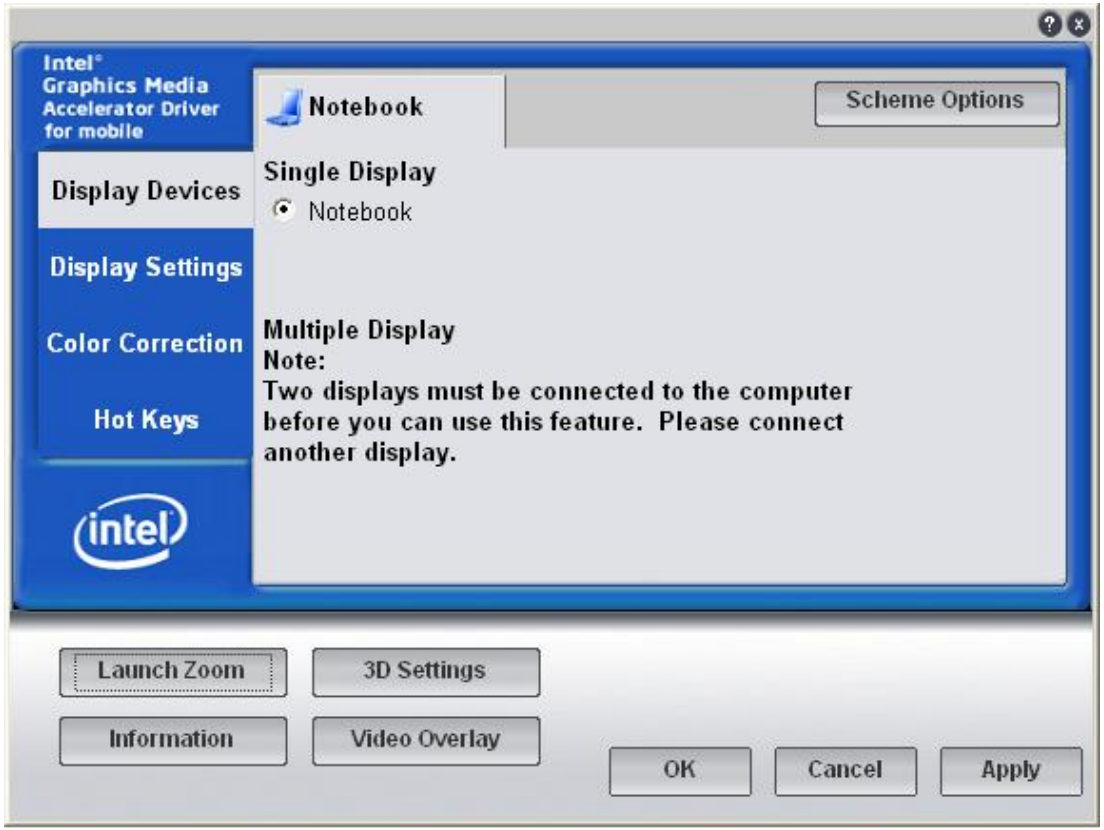
Click on the “Advanced Settings” to enter the “Generic PnP Monitor and Intel® Cantiga Express Chipset Family” window display.



Click on the “Graphic Properties”.

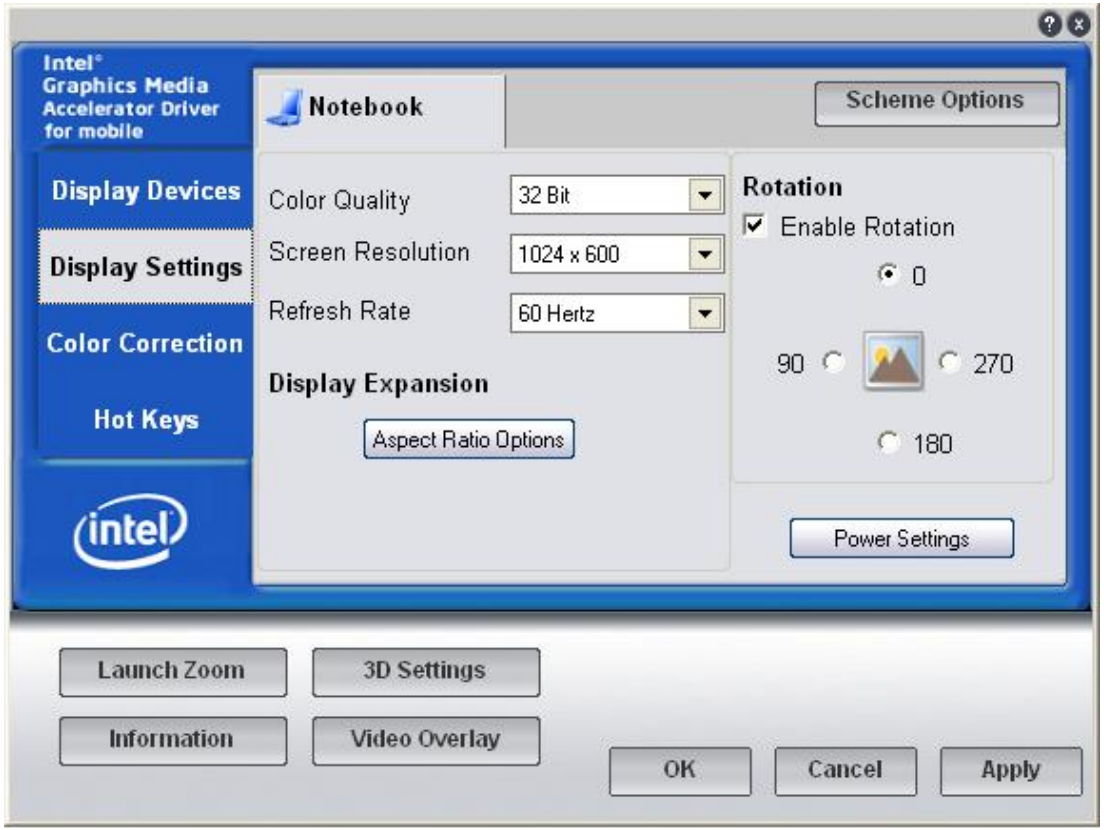
Display Devices

Select the “Display Devices” to indicate the display connected to your system.



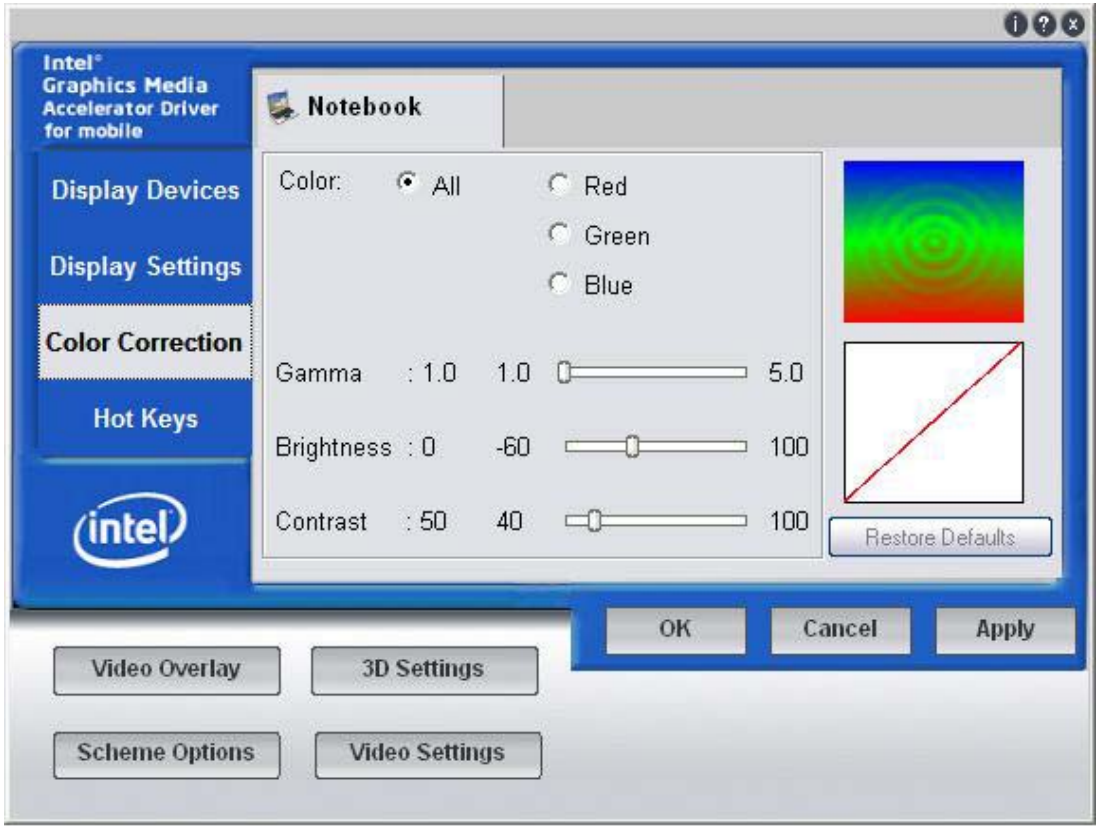
Display Settings

Adjust the color quality, screen resolution and refresh rate of your display.



Color Correction

Adjust the color rate of your display.



Hot Keys

These are all the available hot keys as your default setting in executing some of the major functions. You can either add or change the available hot keys.

Chapter 4

Troubleshooting

TROUBLE SHOOTING

Your computer has been fully tested and complies with the system specifications before shipping. However, incorrect operations and/or mishandling may cause problems.

This chapter provides a reference for identifying and correcting common hardware and software problems that you may encounter.

When you encounter a problem, you should first try to go through the recommendations in this chapter. Instead of returning the computer and waiting for repair, you may easily solve the problems by considering the following scenarios and possible solutions. If the error continues, contact your reseller for service information.

Before taking further actions, consider the following suggestions:

- Check to see if the problem persists when all the external devices are removed.
- Check to see that the green light indicator on the AC adapter is lit.
- Check to see the power cord is properly plugged to the wall outlet and to the computer.
- Check to see the power indicator of the computer is on.
- Check to see if your keyboard is operational by pressing and holding any key.
- Check for any incorrect or loose cable connections. Make sure the latches on the connectors latch securely on to the receptor end.
- Be sure you have not performed an incorrect setting on the hardware devices in the BIOS Setup utility. A faulty setting may cause the system to misbehave. If you are not sure of the changes you made, try to restore all the settings to factory defaults.
- Be sure all the device drivers are installed properly. For example, without the audio driver properly installed, the speakers and microphone will not work.
- If external devices such as USB camera, scanner, printer do not function correctly when connected to the system, it is usually the device's own problem. Consult the device's manufacturer first.

- Some software programs, which have not gone through rigorous coding and testing, may cause problems during your routine use. Consult the software vendor for problem solving.
- Legacy peripheral are not plug-and-play capable. You need to restart the system with these devices powered up and connected first.
- Be sure to go to BIOS SETUP and load DEFAULT SETTING after BIOS re-flash.
- Be sure the Quick Key Lockout Switch on the bottom of the computer is not engaged; otherwise the quick keys will not work.

Audio Problems

No speaker output

- Turn up the volume dial located at the right edge of the computer. See Chapter 1 for its location.
- Software volume control is turned down in Microsoft Sound System or is muted. Double-click the speaker icon on the lower right corner of the taskbar to see if the speaker has been muted or turned down all the way.
- Most audio problems are software-related. If your computer worked before, chances are software may have been set incorrectly.

Sound cannot be recorded

- Double-click the speaker icon on the lower right corner of the taskbar to see if the microphone has been muted.
  - Click Options and select Properties.
  - Select Recording and click the OK button.
  - After Click OK button, the recording volume control panel will appear.
- Go to [Start > Settings > Control Panel] and double-click the Multimedia icon (or Sounds and Audio Devices icon).

Hard Disk Problems

The hard disk drive does not work or is not recognizable

- If you had just performed a hard disk upgrade, make sure the hard drive connector is not loose and the hard disk drive is also correctly seated.
- The new HDD may need to be partitioned and reformatted. O/S and drivers will need to be re-installed as well.
- Check the hard disk indicator LED. When you access a file, the LED lamp should light up momentarily.
- The new HDD may be defective or is not compatible.
- If your computer has been subjected to static electricity or physical shock, you may have damaged the disk drive.

The hard drive is making abnormal whining noises

- You should back up your files as soon as possible.
- Make sure the source of noise is indeed from the hard drive and not the fan or other devices.

The hard disk drive has reached its capacity

- Run Disk Cleanup utility in Windows. [Start > All Programs > Accessories > System Tools > Disk Cleanup] The system will prompt you for what to do.
- Archive files or programs that you had no longer used by moving them to an alternative storage medium (floppy disk, optical record-able disk, etc.) or uninstall programs that no longer use.
- Many browsers store files in the hard drive as a cache to speed up the performance. Check the program's Online Help for instructions on decreasing the cache size or on removing temporary Internet files.
- Empty the Recycle Bin to create more disk space. When you delete files, Windows saves them to the Recycle Bin.

The hard disk takes longer to read a file-

- If you have been using the drive for a period, the files may be fragmented. Go to [Start > Programs > Accessories > System Tools > Disk Defragmenter] to perform a disk defragmentation. This operation may take a while.
- Interrupt requests or problems with other hardware devices may have occupied the CPU and therefore slows down the system performance.

The files are corrupted -

- Run the Error-checking utility in Windows to check the HDD. Double-click My Computer. Right-click C: and select Properties. Click Check Now in Error-checking in Tools.

Keyboard, Mouse and Touchpad Problems

The built-in touch pad performs erratically

- Make sure there is no excess perspiration or humidity on your hand when using the touch pad. Keep the surface of the touch pad clean and dry.
- Do not rest your palm or wrist on the surface of the touch pad while typing or using the touch pad.
- Make sure Touch Pad On/Off function is not activated.

The characters on the screen repeat while I type.

- You may be holding the keys down too long while you’re typing.
- Keep the keyboard clean. Dust and dirt under the keys could cause them to stick.
- Configure the keyboard to wait longer before the auto repeat feature starts. To adjust this feature, Go to [Start > Settings > Control Panel], and double-click the Keyboard icon. A dialogue box shows up with the adjustable settings for the keyboard.

Memory Problems

The POST does not show an increased memory capacity when you have already installed additional memory

- Certain brands of memory module may not be compatible with your system. You should ask your vendor for a list of compatible DIMM.
- The memory module may be defective.

Network Adapter/Ethernet Problems

The Ethernet adapter does not work

- Go to [Start > Settings > Control Panel > System > Hardware > Device Manager]. Double-click on Network Adapters and check if Intel Gigabit PCI Fast Ethernet Adapter appears as one of the adapters. If it does not exist, Windows has not detected the Intel Gigabit Fast Ethernet adapter or the device driver has not been installed properly. If there is a yellow mark or red-cross on the network adapter, it may be a device or resource conflict. Replace or update the device driver from the factory CD-ROM disk or consult Windows manual on how to solve the resource conflict problem.
- Make sure the physical connections on both ends of the cable are good.
- The hub or concentrator may not be working properly. Check to see if other workstations connected to the same hub or concentrator is working.

The Ethernet adapter does not appear to operate in the 100/1000Mbps transmission mode

- Make sure the hub you are using supports 10/100/1000 Mbps operation.
- Make sure that your RJ-45 cable meets the 100/1000Base-TX requirements.
- Make sure the Ethernet cable is connected to the hub socket that supports 100/1000Base-TX mode. The hub may have both 100/1000Base-TX and 100/1000Base-T sockets.

A freeze on the system during program operation

An error occurs during program currently being used.

Solution: An error with the Windows OS. Reboot the system using the Power button.

System Not Resuming Operation

If the system will not resume operation after system operation has been suspended, check the following possible causes:

Solution: The battery may either be defective, or discharge to a critically low level. To correct this problem, connect an external power supply such as AC adapter.

The LCD screen is too dark or too bright

Solution: Adjust the LCD brightness. Press the hot key or Mobility Center to click on the Brightness Up or Brightness Down.

The system can not shutdown properly

Solution: Press and hold the power button for 4~6 seconds until the system shutdown manually.

What are the major steps to follow when the system does not turn on properly after it shutdown

The system will turn after connecting the AC adapter; this indicates the battery is in low status.

Solution:

- Check if the LCD screen is accidentally switch to CRT display.
- Remove the battery and reconnect the AC adapter to turn on and press on the Reset the button to turn on the system.

Wireless LAN connection is disconnected after 2~3 minutes, and the connection is not recovered.

Solution: The reason may be caused by channel interference, change the channel of the AP and reconnect.

The computer is unable to connect to the Internet.

Solution: Account for Internet service provider (ISP) is not properly configured. Ask for your ISP assistance.

The Wireless LAN is connected, but I can not connect to or to another computer.

Solution: Check the device driver is properly installed.

- Check that the device driver is properly installed. If the driver is not properly installed, you will find a yellow exclamation mark on the network icon by licking Start > Control Panel > System > Device Manager > Network Adapters.
  If there is a yellow exclamation mark, please reinstall the device driver with the system software Media.

The signal strength is excellent but cannot connect to the network.

Solution: Check the TCP/IP properties are configured properly. When you connect to an AP, click the Wireless Network Connection icon on the taskbar and select the Support tab.

Contacting Your Dealer

If you still have a problem after reading the preceding section, 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, please have the following information available:

Solution:

- 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.

The system could not resume after it enter the Standby mode

Solution:

- Standby Mode – allows the computer or program save into the RAM. The system will enter the saving mode. Press any key to resume the system
- Hibernate Mode – allows the computer or program save into the HDD. At this time the power is completely turn off. Press any key to resume the system

The system can't resume operation

Solution:

- Malfunction of external memory or internal memory – an error will occur during saving into the system memory, it will not execute normal operation
- External peripheral connected to the system not compatible – such as external USB devices, compact flash, MMC, Smart Media are complicated devices will easily cause the computer to enter standby mode thus unable to resume operation
- Operating System loses effect – the power saving mode of Microsoft operating system adopt ACPI mode (advanced Configuration and Power Interface), the power scheme will be handle by the OS thus affecting the power saving mode of the system

Battery problem

Charge the battery immediately as it enter the battery low status; system can't re-charge

Solution: To protect the battery, it is not recommended to charge the battery under high temperature. The system battery will automatically charge when the battery

temperature reach the room temperature.

After charging, the indicator will display 95~99% still uncharged

Solution: The battery has the tendency to fully automatically discharged, once the battery is charged it will lower its capacity.

When the system will automatically charged upon it reaches 94% capacity, this is a normal condition in protecting the battery.

Appendix A

Specification

SPECIFICATIONS

CPU

- Intel® Diamonville platform, 400/533 MHz FSB, 512kB L2 Cache (1.6G) 2.5Watts

CHIPSETS

- Core Logic: 945GSE 3.5W-6W + ICH-7 1.1Watts

MEMORY

- 1x DDRII SODIMM 533M
- 256MB - 1024MB Maximum

VGA

- 945GSE ultra low power Integrated 3D graphics

AUDIO

- High Definition Audio

BIOS INCLUDES SYSTEM & VIDEO

- Boot from USB
- Plug & Play
- APM 1.2
- ACPI 2.0

BATTERY BAY

- Re-chargeable 32W Battery Pack (2S2P)

MASS AND STORAGE

- Fixed HDD - SSD 2~4GB on board /SATA HDD

- Card Reader - SD/MMC Card slot

DISPLAY RESOLUTION CHANGE

- ZOOM function for 1024x600 as default

LCD DISPLAY

- 8.9" 1024X600 WSVGA LCD, 210 nits

CAMERA

- 0.3~1.3M CCD module (Option)
  1.3M --> Z high 5.4m
  0.3M --> Z high 5.4mm

AUDIO

- Built in Stereo Speaker * 2
- Built in Analog micro phone *1
- Stereo Head Phone (3.5 mm)

COMMUNICATION

- Wireless 802.11 b/g (Mini PCIe)

ANTENNA

- 1 x Wireless LAN b/g

I/O

- 1 x Stereo Headphone (3.5 mm)
- 1 x Stereo Microphone (3.5 mm)
- 1 x RJ-45 connector
- 1 x CRT port
- 3 x 4-pin USB 2.0 Port
- 1 x DC in Jack

BUTTON

- Power Button
- Functional short cut key
- Touch pad with Left/Right Button

LED INDICATOR

- 1 X HDD Active
- 1 X Battery Status
- 1 X Wireless activity

AC/DC ADAPTER

- Miniature Size Compact Adapter type (AC Plug on Power Brick) - US
- AC 100~240Volt / DC 12V 3A 36W(LC89)

BATTERY PACK

- 1 Removable Battery Pack

BATTERY CHARGE

- Smart Charger

COLOR

- Yellow-Black, White, Black.

DIMENSION

- 233.5X177.3X26.4-34.1 (mm)

WEIGHT

- 972g~1075g (W/SATA HDD)

ACCESSORY KIT

- Power Adapter
- Stereo Head Phone

- Gift Box

REGULATORY APPROVAL

- EMC - CE/FCC/ BSMI/VCCI
- Safety - UL/TUV/CB/CCC
- RF - FCC ID,CE,TELEC,DGT,SRRC
- WHQL - Windows XP Home