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Prestigio Visconte 120
Notebook Computer
User's Manual

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Preface

Using This Manual

This User's Manual contains general information about the hardware and software setup, troubleshooting, and technical specifications of the notebook computer.

Protecting Your Computer - Avoid Abusive Handling and Adverse Environment

Follow the advice below will help ensure that you get the most out of your Investment.
Your computer will serve you well if you take good care of it.

- Do not expose the computer to direct sunlight or place it near sources of heat.
- Do not subject it to temperatures below 0oC (32oF) or above 30oC (86oF).
- Do not expose the computer to magnetic fields.
- Do not expose the computer to moisture or rain.
- Do not spill water or liquid on the computer.
- Do not subject the computer to adverse shock and vibration.
- Do not expose the computer to dust and dirt.
- Do not place objects on top of the computer to avoid damaging the computer.
- Do not place the computer on rocky surfaces.

Here are some ways of taking care of your AC adapter.

- Do not connect the adapter to any devices other than your computer.
- Do not let water get into the adapter.
- Do not block the ventilation airway of the adapter.
- Keep the adapter in a cool and ventilated place.
- Do not step on the power cord or place heavy objects on top of it.
- Carefully tuck away the power cord and any cables away from pedestrian traffic.
- When unplugging the power cord, do not pull on the cord itself but pull on the plug.
- Keep the adapter away from children.
- The total ampere ratings of the equipment plugged in should not exceed the ampere rating of the cord if you are using an extension cord.
- The total current rating of all equipment plugged into a single wall outlet should not exceed the fuse rating.
- Do not connect other AC adapter to your notebook.

This Notebook uses exclusively the AC adapter LITE-ON PA-1650-08 (65W); Lishin 0202A2065 (65W); Hipro HP-OK065E13 (65W)

When cleaning the computer, observe these steps:

1. Power off the computer and remove the battery pack.
2. Disconnect the AC adapter.
3. Use a soft cloth dampened with water. Do not use liquid or aerosol cleaners.

Contact your dealer or see your service technician if any of the following occurs:

- Computer has been dropped or the body has been damaged.
- Liquid has been spilled into the product.
- The computer does not operate normally.

Cleaning the Ventilation Grills:

It is suggested that you clean the ventilation grills regularly to maintain optimal thermal regulation of the notebook. To do this, you may use a soft brush or a vacuum cleaner (with appropriate head adapter) to remove the dust buildup on the ventilation grills.

Getting To Know

This chapter introduces the features and components of the computer.

Performance Features

• High Performance Processor

The notebook PC is equipped with a powerful Mobile Intel Pentium M processor of the latest sub-micron process, processor technologies, and high bus bandwidths.

• Advanced Graphic Engine

An Intel Integrated Extreme Graphic 2 video processor gives excellent graphic performance. The advanced graphic chip also incorporates a hardware-based motion-compensation engine, which gives you smooth MPEG video playback. 3D graphics capability also adds realism to PC games.

• LCD Display

The computer is equipped either with a 12.1-inch TFT in standard format (4:3 aspect ratio) or 12.1-inch TFT in Wide format (16:10 aspect ratio) high-resolution display panel for clear text and brilliant colors.

• Expandability

The system offers upgradeable hard disk drive and 2 DDR SDRAM sockets for expansion, allowing the user to easily increase the storage and system capacities as the need arises.

• Built-in Multiple Card Reader

There is built-in 4-in-1 card reader to access many of the portable media formats (SD Card, MS Card, MMC Card, and MS-Pro Card). (Note: In some models, Card Reader may not be available.)

• Ethernet Port

The system provides built-in Ethernet network adapter for high bandwidth network connection.

• Firewire (IEEE1394 / 1394a) and USB2.0 ports

In addition to a full array of built-in I/O ports, the computer offers IEEE1394 for ultra high-speed connection to high bandwidth digital video devices and USB2.0 ports to connect to any USB-based peripheral devices. (Note: In some models, IEEE1394 Port may not be available.)

• Wireless LAN (Optional)

The optional internal Wireless LAN module allows your notebook to connect wirelessly to other 802.11-enabled systems, devices, or network.

• Integrated USB Devices (Optional)

The optional USB Bluetooth module or USB Thumb Drive gives you added function to the notebook.

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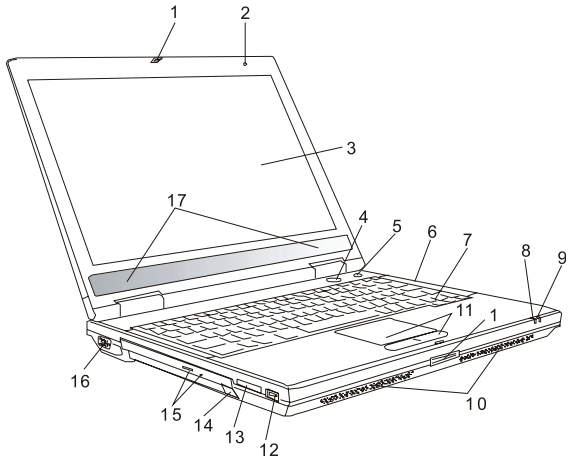
System At A Glance

Front View

Note: Your computer may come with the 12.1" display in the wide 16:10 aspect ratio or in the standard 4:3 aspect ratio. If your computer comes with the wide 12.1" display, there is an extra pair of built-in loudspeakers located below the display panel.



1. LCD Latch
The LCD latches lock / unlock the LCD panel.

2. Built-in Microphone
The built-in microphone records sound.

3. LCD Display
The panel is where the system content is displayed.

4. Power / Suspend Button
The power/suspend button turns the notebook on and off and it also acts as a system suspend key. Press momentarily to turn on the system. Press and hold for at least 3~4 seconds to turn off the system. How this key behaves can be defined in [Start > Settings > Control Panel > Power Options > Advanced] menu. Press the power / suspend button again to return from the suspend mode.

5. Power Cinema Launch Key / Silent Mode Button
This is a dual function key.
Power Cinema Launch (When system is off) -
The key allows you to watch DVD movies in the optical drive without having to boot to Windows. Additionally, Power Cinema application allows you to view photos and play music files in the optical drive as well as in the HDD
Silent Mode Button (When system has already booted to Windows) -
Pressing the key enables the system to lower its power usage, therefore turning off the fan to achieve lowest operating noise.

Note: The way the Power Cinema works is that when the key is pressed, the system boots to a Linux-based O/S and movie-player application in a separate hard drive partition. In case you have a brand new HDD or when you need to re-install O/S and Power Cinema, please go to Appendix C for installation instructions.

6. LED Status Indicator
The LED Status indicators reveal the status of these functions: Numeric keypad, cap lock, scroll lock, WLAN module enabling and disabling and also the ODD, HDD activities.

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

8. Suspend Status LED
Flashing green light indicates the notebook is in suspend mode.

9. Battery Status LED
The multi-color LED indicates the battery status of the notebook.

10. Built-in Stereo Speakers
The built-in speakers output the sound in stereo.

11. Touch Pad
The touch pad is a built-in pointing device with functions similar to a mouse.

12. USB2.0 Port
The Universal Serial Bus (USB 2.0-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 USB 2.0 plug-and-play standards.

13. 4-in-1 Card Reader
The 4-in-1 Card Reader supports SD Card, MS Card, MMC Card, and MS-Pro Card.

Note: In some models, the Card Reader may not be available.

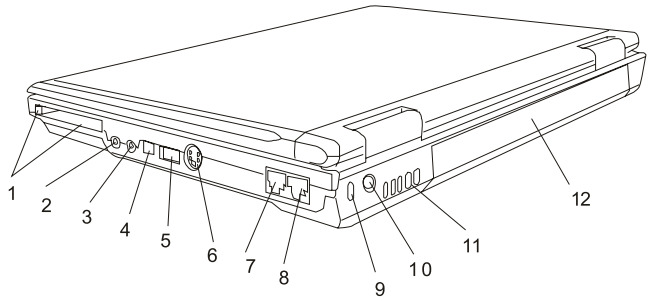
14. USB Device (Optional)
You may install the optional Bluetooth module or USB Thumb Drive into this slot.

15. Optical Drive and Disk Eject Button and Manual Eject Key Hole
If your computer comes with the Combo drive, DVD-RW, DVD+RW, or DVD-Dual drive, you may save data onto a CD-R / CD-RW or DVD RW disc. Press the eject button to eject the disk tray. The manual eject keyhole allows you to manually eject a jammed disk.

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

17. Built-in Stereo Speakers
If your system comes with the 12.1-inch wide aspect ratio panel, there is an additional pair of speakers built-in.

Rear View



Warning: Do not place any heavy objects on the top of notebook. This may damage the display

1. PC Card Slot (Type II PCMCIA) and Card Eject Button
The slot is where PC Card (Type II PCMCIA) is inserted. Press the eject button to release the PC Card.

Note: In some models, the PC Card Slot may not be available.

2. Stereo Headphone / SPDIF-out Jack
The stereo headphone jack (3.5-mm diameter) is where you connect the headphones or external speakers. Alternatively, you may connect the SPDIF output to an external DTS, AC3, or PCM sound processor / decoder in your home stereo system.

Note: In some models, the SPDIF-out feature may not be available.

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

4. Firewire / IEEE1394 / 1394a Port
This is a high-speed serial data port. You may connect any Fire-wire-ready device to this port.

Note: In some models, theFirewire/1394 Port may not be available.

5. USB2.0 Port
The Universal Serial Bus (USB 2.0-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 USB 2.0 plug-and-play standards.

6. TV (S-Video) Port
The S-Video port permits you to redirect the screen output to a television set or any analog video playback device. This TV Port is copyright protected; when DVD movie is played, the output is scrambled to prevent analog recording.

7. Modem Port
This is where you plug the phone jack (RJ-11) for fax/modem functions.

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

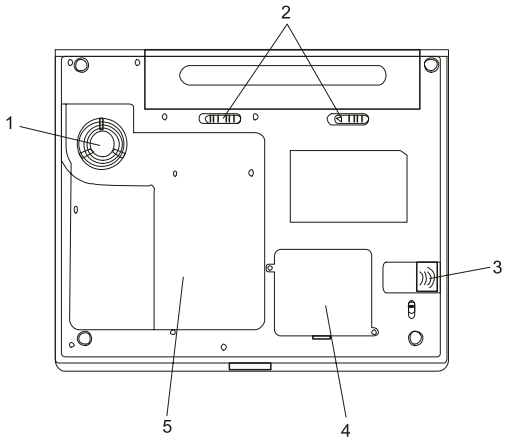
9. Kensington Lock Key Hole
A Kensington-type security lock latches to this keyhole for anti-theft purpose.

10. Power Jack (DC-in)
The DC-out jack of the AC Adapter connects here and powers the computer.

11. Ventilation Grill
The fan grill is where air is exchanged to dissipate the internal heat. Do not block this airway completely.

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

Bottom View



1. Ventilation Grill
The fan grill is where air is exchanged to dissipate the internal heat. Do not block this airway completely.

Warning: Do not block the Fan Grill outlet. Place the machine on hard surface only. The bottom case may get very hot.

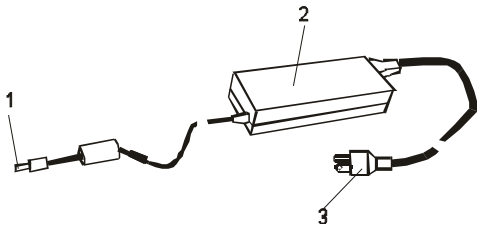
2. Battery Pack and Battery Latch
The battery pack is a built-in power source for the notebook. Slide the battery latch to release the battery pack.

3. USB Device (Optional)
You may install the optional Bluetooth module or USB Thumb Drive into this slot. Please see Appendix D to learn how to use the Bluetooth device. And make sure you put the latch in the locked position. Put the latch in the unlocked position before removing the Bluetooth module.

4. Wireless LAN Module Bay (Optional)
You may install the optional wireless LAN module into this slot.

5. System Device Cover
The system's processor with cooler assembly, hard disk drive, and DDR memory module are located under the case cover. The system memory and HDD can be upgraded to a larger capacity.

AC Adapter



1. DC-out Connector
The DC-out connector docks to the power jack (DC-in) on the computer.

2. Adapter
The adapter converts alternating current into constant DC voltage for the computer.

3. AC Plug
The AC plug plugs to the AC wall outlet.

Warning: Make sure you are using a standard 3-prong AC wall socket with a ground pin. If not, you may feel a slight tingling sensation on any of the computer's metal parts such as the I/O ports. This is caused by leakage current when the AC adapter is not properly grounded (via the ground pin). However, the amount of leakage current is within the safety regulation and is not harmful to human body.

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.

System Status Indicator

LED Graphic Symbol	Indication
	Green light indicates the WLAN module is active.
	Green light indicates the hard drive and/or optical drive is being accessed.
	Green light indicates the numeric keypad is activated.
	Green light indicates the cap-lock is activated.
	Green light indicates the scroll-lock is activated.

Power Indicator

LED Graphic Symbol	Indication
	Persistent blue light indicates Power On. Light-off indicates the notebook is in Power Off mode. Blinking blue light indicates system is either in long battery life mode or high performance mode. (If the notebook is on AC power and this LED is blinking, it means the system is now in high performance mode. If the notebook is on battery power and this LED is blinking, it means the system is now in long battery life mode.) The High Performance Mode and Long Battery Life Mode can be enabled or disabled in the BIOS Setup.
P	Persistent blue light indicates the system is in the Power Cinema mode under Linux O/S. Or, Persistent blue light indicates in Silent Mode under Windows.
	Blinking green light indicates the notebook is in suspend mode.
	Blinking orange light indicates the battery is being charged. Blinking red light indicates the battery power is low when the system is turn ON. Persistent green light indicates the battery is Full. LED-off (Dark) indicates the system is without battery.

Keyboard Features

Function Keys (Quick Keys)

Graphic Symbol	Action	System Control
	Fn + F1	Enters Suspend Mode.
	Fn + F2	Turns the WLAN module on or off.
	Fn + F3	Turns of the battery warning beep off or on.
	Fn + F4	Changes Display Mode: LCD-only, CRT-only and LCD&CRT.
	Fn + F5	Turns Speaker Volume up.
	Fn + F6	Turns Speaker Volume down.
	Fn + F7	Increases Display Brightness.
	Fn + F8	Decreases Display Brightness.
	Fn+Num Lk	Enables the embedded keypad to work in numeric mode. The keys act like numeric keypads in a calculator. Use this mode when you need to do a lot of numeric data entry. An alternative would be to connect an external numeric keypad.
	Fn + Scr Lk	Press the Scroll Lock key and then press /\ or \/ to move one line up or down.

For various system controls, press the Fn (Function) key and the Fx key simultaneously.

Windows Keys

Your keyboard also has two Windows keys:

1. Start Key

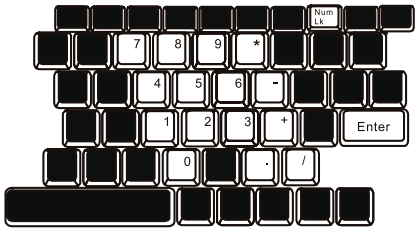
This key allows you to pull up the Windows Start Menu at the bottom of the taskbar.

2. Application Menu Key

This key brings up the popup menu for the application, similar to a click of the right mouse button.

Embedded Numeric Keypad

Press Num Lock to enable the embedded numeric keypad. The numbers are printed in upper right corner of a key, in a color different from the alphabets. This key pad is complete with arithmetic operators (+, -, * , /).
Press Num Lock to revert to normal character keys.



Touch Pad

The built-in touch pad, which is a PS/2-compatible pointing device, senses movement on its surface. As you move your fingertip on the surface of the pad, the cursor responds accordingly.

The following items teach you how to use the touch pad:
1. Move your finger across the touch pad to move the cursor.
2. Press buttons to select or execute functions. These two buttons are similar to the left and right buttons on a mouse. Tapping on the touch pad twice produces is similar to clicking the left button of a mouse.

Function	Left Button	Right Button	Equivalent Tapping Action
Execution	Click twice quickly		Tap twice (at the same speed as double-clicking the mouse button)
Selection	Click once		Tap once
Drag	Click and hold to drag the cursor		Tap twice quickly and on the second tap hold finger to the touch pad to drag the cursor
Access Context Menu		Click once	
Move One Page Up or Down			

Tips on Using the Touch Pad:

1. The double-click speed is timed. If you double-click too slowly, your notebook responds as if you single-clicked twice.
2. Keep your fingers dry and clean when using the touch pad. Also keep the surface of touch pad clean and dry to prolong its life.

3. The touch pad is sensitive to finger movements. Hence, the lighter the touch, the better the response. Heavy touch does not produce better response.

Graphic Subsystem

Your computer uses a high performance 12.1-inch (in either normal 3:4 aspect ratio or wide 16:10 aspect ratio) active matrix TFT panel with high resolution and multi-million colors for comfortable viewing. The Intel Extreme Graphic 2 video graphics accelerator, which is Microsoft DirectX 9 compatible, performs graphic rendering at a lighting-fast speed.

Adjusting the Display Brightness

The notebook uses special key combinations, called hot keys, to control brightness.
Press Fn+F7 to increase the brightness.
Press Fn+F8 to decrease the brightness.

Note: To maximize your battery operating time, set the brightness to the lowest comfortable setting, so that the internal backlight uses less power.

Extending the Life of the TFT Display Device

Observe the following guidelines to maximize the life of the backlight in the display.
1. Set the brightness to the lowest comfortable setting (Fn+F8).
2. When working at your desk, connect your notebook to an external monitor and disable the internal display Fn+ F4.
3. Do not disable the suspend time-outs.
4. If you are using AC power and have no external monitor attached, change to suspend mode when not in use.

Opening and Closing the Display Panel

To open the display, push the LCD latch inwardly and lift up the lid. Then tilt it to a comfortable viewing position.
To close the display cover, fold it down gently until the LCD latches click into place.

Warning: To avoid damaging the display, do not slam it when closing. Do not place any object on top of the computer when the display is closed

Audio Subsystem

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

Adjusting the Volume Manually

To increase the volume, press Fn+ F5.
To decrease the volume, press Fn+F6.

Adjusting the Audio Volume in Windows

1. Click the speaker symbol in the task tray in Windows.
2. Drag the volume control bar up or down to adjust the volume.

3. To temporarily silence the speaker without changing the volume setting, click Mute.

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.

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Modem

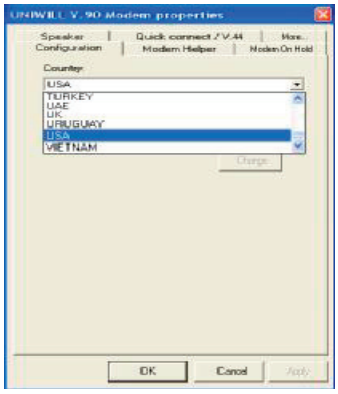
Your computer comes with a 56K V.92 internal fax/modem and a phone jack (RJ-11), which is located on the left side of your computer.
Use a telephone cable to connect the computer to the telephone wall outlet.

Connecting the Modem

1. Plug one end of the phone line into the modem port located on the rear side of the computer. (For EMI compliance, you need to clip the included EMI CORE to the phone line.)
2. Plug the other end of the line into the analog phone wall outlet. Depending on where your computer is used, you may need to change settings in the modem. Correct setting will allow you to maintain a stable connection in a country where its telecommunication system may be different to others.

To change the modem setting, do the following:

1. Go to [Start > Settings > Control Panel] and double-click on Modem Settings icon. You will see a similar dialog box.
2. Click on the pull-down menu and select the country where it is applicable. Click on OK to exit.



Ethernet

Your computer is equipped with a 10/100Base-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.

1. Insert one end of the UTP cable into the network connector until the connector snaps securely into the receptacle.
2. 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.

Cabling Restriction for Networks

The following restrictions should be observed for 100/1000BASE-TX networks:

- The maximum cable run length is 100 meters(m) (328 feet[ft]).
- For 100-Mbps operations, use Category 5 wiring and connections.

Note: Consult Windows manual and / or Novell Netware user's guide for the software installation, configuration, operation of the network.

BATTERY POWER & POWER MANAGEMENT

TFT display, central processor, hard disk drive are the major hardware subsystems that consume the most power. Power management deals how these key components should behave to conserve power. For example, you can have the system turn off its display after 2 minutes of inactivity to save power. Efficient power management can help you work longer sessions before having to recharge the battery.

The Battery Pack

Lithium-Ion Battery

Your notebook uses a six-cell or four-cell Lithium-Ion battery pack that provides power when you don't have access to an AC outlet.

Note: It is necessary that you charge the battery pack for at least 6 hours before using it for the first time.
Note: In the Standby Suspend mode, a fully charged battery loses its power in roughly 1/2 day or less. When not being used, the battery's power will deplete in 1-2 month.

Battery Low-Power Warning

1. Low Battery Warning

Low battery condition occurs when battery power is reduced to 6%. The red battery status LED indicator blinks and the system beeps once every 16 seconds or so.

2. Very Low Battery Warning

Very Low battery condition occurs at 3 % power remaining. The red battery status LED indicator blinks and the system beeps at 4-second interval.

When the notebook warns you of its low battery condition, you will have about 3-5 minutes to save your current work.
Warning: Do not expose battery packs to temperatures below 0 degree Celsius (32 degree F) or above 60 degree C (140F). This may adversely affect the battery pack.
Note: Press Fn+F3 to turn off the battery warning beep.

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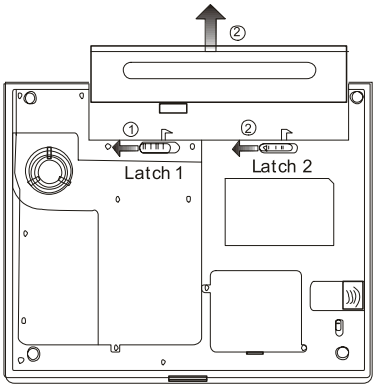
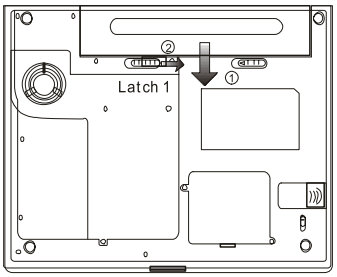
Installing and Removing the Battery Pack

To Remove the Battery Pack:
1. Place the notebook bottom-side up on a flat and secured surface.
2. Slide Latch 1 to the unlocked position
3. Hold Latch 2 to the unlocked position as indicated by the arrow and pull the battery?fs hard case away from the notebook.



To Install the Battery Pack:

1. Place the notebook bottom-side up on a flat and secured surface.
2. Carefully insert the battery pack into the battery compartment of the notebook and slide Latch 1 to the locked position.



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 4-5.5 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 dark (off).

Note: If system runs at heavy loading or in a high temperature environment, the battery may not be fully charged. You need to continue to charge it with the AC adapter plugged in until the charging LED turns off.

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.

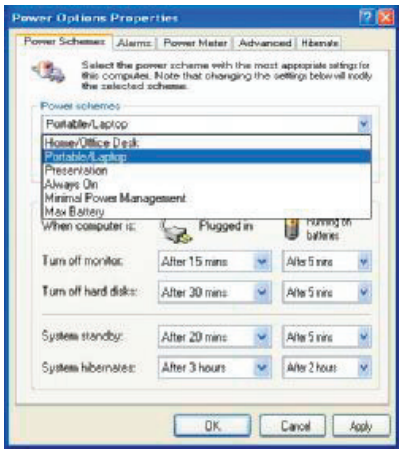
Note: Read Section Protecting Your Notebook in the beginning of this manual for tips about how to maintain the battery pack.
Note: To achieve optimal battery performance, you may need to do a battery calibration at a 3-month interval. To do this:
1. Fully charge the battery.
2. Then discharge the battery by entering the BIOS setup screen. (Press F2 key as soon as you turn on the computer. And let it remain at the setup screen until the battery runs out.
3. 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 Schemes

The power management control panel in Windows XP, 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. Go to [Start > Settings > Control Panel] and double-click the Power Options icon.
Always on mode puts the processor into maximum performance mode, which provides no power saving. The other schemes control processor performance based on demand. For example, Max Battery mode lowers the processor's speed and voltage to conserve power as much as possible.



In this dialog box, you can manually set the LCD and hard drive's time-out values in the Plugged in column and in the Running on batteries column. Lower time-out values will save more battery power.

Note: Also consult Windows user guide for more information on how to use Windows power management functions.
Note: Actual dialogue box shown above may appear slightly different.

Suspend Mode

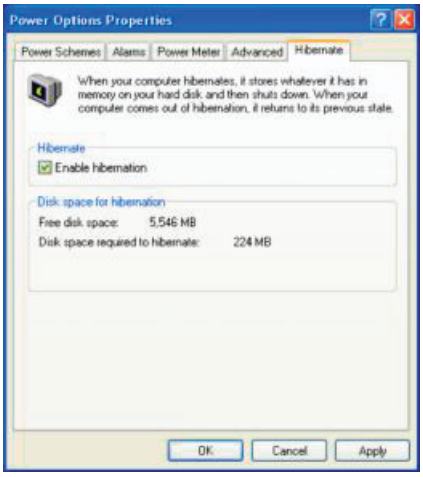
Standby Suspend

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

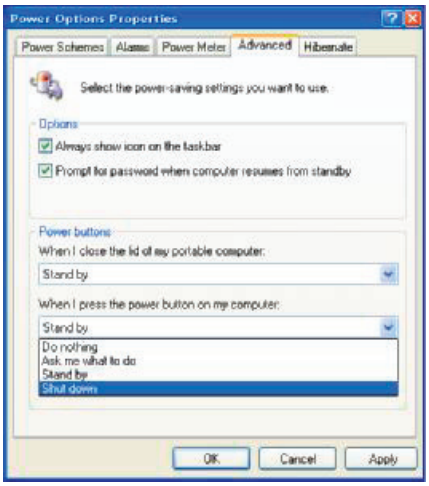
In this mode, all system data are saved in the hard disk before powering down. When this mode is activated, all system state and contents are saved to the hard disk drive after a period of inactivity defined by the user. No power or very little power is drawn from the battery module under this mode.
However, depending on how much RAM that have been installed on your computer, the amount of time the system requires to restore all its previous contents can range from 5 to 20 seconds.
For Windows 2000 / XP users, hibernation is handled by the operating system; therefore, no special disk partition or disk file is necessary.
If you wish to activate Hibernate mode, you need enable Hibernate Support in the Hibernate tab of the Power Options menu.

Note: Do not install or remove the memory module when the system is in the suspend mode.
Note: Actual dialogue box shown above may appear slightly different.



Power Button Action

The notebook PC's power button can be set to turn off the system or activate the suspend mode.
Go to [Start > Settings > Control Panel > Power Options] and click on the Advanced tab. In the pull-down menu, select how you wish the power button to work as.

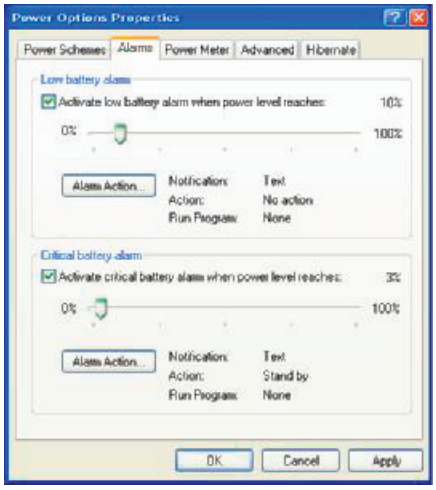


Note: Actual dialogue box shown above may appear slightly different.
Warning: In the When I close the lid of my portable computer pull-down menu, DO NOT select Do nothing - otherwise the system will still run at high speed while the processor's fan grill is fully blocked by the closed LCD panel. The heat will damage the LCD panel.

Low Battery Warning

You can define when and how the system warns you of its battery-low condition.

Go to the Alarms tab in the Power Options Properties box. If you wish to hear audible beeps, click on the Alarm Action button and put a check on Sound Alarm.



Note: Consult Windows user guide for more information on how to use Windows power management functions.
Note: Actual dialogue box shown above may appear slightly different.

Power Manu Quick Access

Instead of making specific selections in the Power Options Properties box, you can quickly and easily specify which pre-set power saving function you desire by clicking on the Battery icon at the lower right-hand corner of the task bar. (If you do not see a battery or AC-in icon, go to Power Options Properties box and click on the Advanced tab. Check off ``Always show icon on the task bar``.) Select Max Battery if you want the system to enter suspend mode more often. Or, select Always On if your notebook PC is plugged into an AC power source.

Note: Actual dialogue box shown above may appear slightly different.

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?fs 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.
- Go to [Start > Settings > Control Panel] and double-click the Sounds and Audio Devices icon. In the Audio page, make sure that VIA AC'97 Audio (WAVE) is the default playback device.

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.

1. Click Options and select Properties.
2. Select Recording and click the OK button.

3. 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). In the Volume or Audio page, make sure that VIA AC'97 Audio (WAVE) is the default recording device.

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. Remove it and reinsert it firmly, and restart your PC.
• 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.

Optical Drive Problems

The optical drive does not work -
• Try rebooting the system.
• The disk is damaged or files are not readable.
• After you have inserted a CD-ROM disk, it may take a moment before you can access its content.

The drive dose not read any disks -
• The CD may not be properly seated in the tray. Make sure the disk is firmly seated onto the spindle.
• The disk is damaged or not readable.

The disk cannot be ejected -
• Normally, it takes a few seconds to eject the disk.
• If the disk cannot be ejected, it may be mechanically jammed. Straighten out a paper clip and insert it to a tiny hole next to the eject button. This should reject the disk tray. If not, return the unit for repair. Do not forcefully pull on the disk tray.

The Combo or DVD RW drive (optional device) cannot record -
• You need to purchase and install a burner utility program to record files to a blank media.

Display Problems

The display panel is blank when the system is turned on -
• Make sure the computer is not in the Standby or Hibernate suspend modes. The display is turned off to conserve energy in these modes.

The screen is difficult to read -
• The display resolution should at least be set to at least1024x768 for optimal viewing.
1. Go to [Start > Settings > Control Panel] and double-click the Display icon.
2. Under the Settings page, set screen resolution to at least 1024x768 and choose at least 256 colors.

The screen flickers -
• It is normal if the display flickers a few times during shutting down or powering up.

Keyboard and Mouse 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.

The built-in keyboard accepts no input -
• If you are connecting an external keyboard to the system, the built-in keyboard may not work.
• Try restarting the system.

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.

CMOS Battery Problem

A message "CMOS Checksum Failure" displays during the booting process or the time (clock) resets when booting -
• Try to reboot the system.
• If the message "CMOS Checksum Failure" appears during the booting procedure even after rebooting, it may indicate failure of the CMOS battery. If so, you need to replace the battery. This battery normally lasts two to five years. The battery is of type CR2032 (3V). You may replace it by yourself. The battery is located next to the MiniPCI WLAN Module socket.

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 not be installed properly.
• The memory module may be defective.

The O/S issues an insufficient memory error message during operation -

• This is often a software or Windows-related problem. A program is draining the memory resources.
• Close the application programs you?fre not using and restart the system.
• You need to install additional memory module.

Modem Problems

The built-in modem does not respond -

• Make sure the modem driver is loaded properly.
• Go to [Start > Settings > Control Panel > Phone and Modem Options] and go to Modems tab. Make sure SmartLink 56K Voice Modem or Uniwill V.92 Modem is listed. Otherwise, click the Add button to add the modem drive, which is located in the factory CD-ROM (or floppy diskette).
• Go to [Start > Settings > Control Panel > System] and click Device Manager button in the Hardware page to check for possible resource or driver conflict. See Windows on-line help or manual for how to handle such problems.
• Make sure the phone line, which the computer is connected to, is working.

Connection difficulties -

• Be sure to disable Call Waiting on the phone line.
• Be sure to have the correct country setting where your computer is used. [Start > Settings > Control Panel > Modem Settings > Configuration] In the Country/Area pull-down menu, select the appropriate country setting.
• Excessive line noise might cause the connection to be dropped. To check this, put the regular phone handset on the line and placing a phone call. If you do hear abnormal noise, try to make the modem connection with a different line or contact your local telephony company for service.
• Make sure the cable connection is firm.
• Try a different receiver number and see if the problem persists.

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 100Mbps transmission mode -

• Make sure the hub you are using supports 100Mbps operation.
• Make sure that your RJ-45 cable meets the 100Base-TX requirements.

• Make sure the Ethernet cable is connected to the hub socket that supports 100Base-TX mode. The hub may have both 100Base-TX and 100Base-T sockets.

PC Card / PCMCIA Problems

Note: Some system may not have the PC Card Slot option.

PC Cards do not function-
• Make sure you have properly installed the driver for the card.
• Consult the card?fs manual or contact the vendor for trouble-shooting.

The PC card cannot be recognized -
• Windows NT4.0 does not support PCMCIA (PC Card) function. You may need an external program for this.
• Make sure the card is fully inserted; the outer end of the card should be even with the edge of the computer.
• Remove and insert the PC card again.
• Make sure there is no IRQ conflict with the card.
• Reboot the computer and see if the problem persists.
• The card may be defective. Try the card on another system, if possible.

Windows crashes or freezes when you remove the PC card-
• Make sure you have <Stop> the PC card before removing it. Double-click the Safely Remove Hardware icon at the lower right corner of the task bar and select the card you wish to stop. When you click <Close>, in few seconds Windows will prompt you to remove the card.

Performance Problems

The computer becomes hot -
• In a 35oC environment, the certain areas of the computer's back case are expected to reach 50 degrees.
• Make sure the air vents are not blocked.
• If the fan does not seem to be working at high temperature (50 degrees Celsius and up), contact the service center.
• Certain programs that are processor-intensive may increase the computer temperature to a degree where the computer automatically slows down its CPU clock to protect itself from thermal damage.

The program appears stopped or runs very slowly -
• Press CTRL+ALT+DEL to see if an application is still responding.
• Restart the computer.
• This may be normal for Windows when it is processing other CPU-intensive programs in the background or when the system is accessing slow-speed devices such the floppy disk drive.
• You may be running too many applications. Try to close some applications or increase system memory for higher performance.
• The processor may have been overheated due to the system's inability to regulate its internal heat. Make sure the computer's ventilation grills are not blocked.

Firewire (IEEE1394) and USB 2.0 Problems

The USB device does not work -
• Windows NT 4.0 does not support USB protocols
• Check the settings in the Windows Control Panel.

• Make sure you have installed the necessary device drivers.
• Contact the device vendor for additional support.

The IEEE1394 port does not work -
• Go to [Start > Settings > Control Panel > System > Hardware > Device Manager]. You should see an entry which reads "Texas Instrument OHCI Compliant IEEE 1394 Host Controllers". If it does not exist, Windows has not detected the host controller or the device driver has not been installed properly. If there is a yellow mark or red-cross on the 1394 host controller, 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 cable is fully connected.
• Make sure you have installed the necessary device drivers.
• Contact the device vendor for additional support.

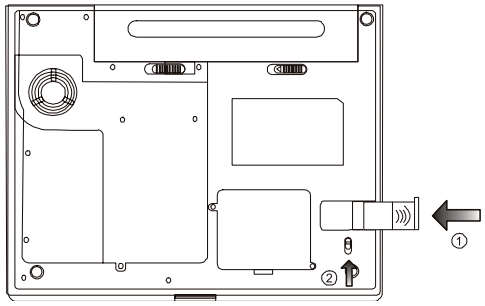
USING THE BLUETOOTH MODULE

Software Installation:

The software installation package of the Bluetooh module is located in the Bluetooth CD disc.
If you are inserting the Bluetooth module into notebook for the first time, the system will prompt you for driver. Put in the Bluetooth CD disc into the optical drive and follow the on-screen instructions to install the Bluetooth driver and utility program properly.

Hardware Installation:

Plug the Bluetooth module into the slot next to the optical drive on the bottom of the notebook. Remember to put the latch to the locked position to lock the module in place.



General Tips on Using Bluetooh Functions:

• The Bluetooth Tray
The Bluetooth tray resides in the Windows system tray, which is located in the lower-right corner of the screen. The Bluetooth tray provides fast access to most Bluetooth operations.
From the Bluetooth tray you can:
Access My Bluetooth Places: Double-click the Bluetooth icon, or right-click the Bluetooth icon and then select Explore My Bluetooth Places.
Access the Bluetooth Setup Wizard. This wizard will help you:

Configure how this computer accesses a service on another Bluetooth device
Locate remote Bluetooth devices
Configure the way that this computer provides services to remote Bluetooth devices
Set the name and type of this Bluetooth device, e.g., "John's PC," "Desktop".
Access the Bluetooth Configuration Panel
Right-click the Bluetooth icon, and then select Advanced Configuration.
Access the Quick Connect option
Right-click the Bluetooth icon, select Quick Connect, and then select the type of service to which you wish to connect.
Start/Stop Bluetooth on this computer

• Icons Used For Bluetooth Devices and Services
Bluetooth icons provide at-a-glance feedback about a device or service's status by changing appearance.
The Bluetooth icon in the Windows system tray provides feedback about Bluetooth status.

• Create A Connection Using The Bluetooth Setup Wizard
From the Folders pane of Windows Explorer, right-click My Bluetooth Places and select Bluetooth Setup Wizard.
Or,
In Windows Explorer, with My Bluetooth Places selected, from the Bluetooth menu, select Bluetooth Setup Wizard,
Or.
From the Windows system tray: right-click the Bluetooth icon and select Bluetooth Setup Wizard. Follow the wizard's on-screen instructions.

• Find Bluetooth Devices
Search for Devices looks for Bluetooth devices in the vicinity and displays the devices that it finds in My Bluetooth Places. To start a search for devices, in the Folders pane of My Bluetooth Places, select Entire Bluetooth Neighborhood, and then, from the Bluetooth menu, select Search for Devices. The Bluetooth menu is only visible when My Bluetooth Places is active.

• Find A Service
The process of determining the services that a device provides is called Service Discovery.
To initiate a Service Discovery, in the Folders pane of My Bluetooth Places, right-click a device name and select Discover Available Services from the shortcut menu.
Bluetooth services are those things that this computer can do for remote Bluetooth devices. For example, if this computer allows a remote Bluetooth device to send a fax using a fax modem that is physically attached to this computer, then this computer is providing the Bluetooth fax service.
Some services are hardware dependant; this computer cannot provide the fax service unless it has a physical fax modem, for example.

Note: For detailed Bluetooth operations, use the Help button on the Bluetooth application dialogue box.

USING POWER CINEMA

Software Installation:

Power Cinema resides in a separate HDD partition to Windows. When you press the ?gP?h button while the notebook is off, the computer boots to the Linux environment and launches the Power Cinema application.
If you are required to re-install Windows O/S or when you have purchased a new or upgraded HDD, you need to observe the following steps before installing Power Cinema.

1. Partitioning.
Assuming you are starting with a fresh hard drive or the hard drive is removed of its previous partitions. You need to reserve 500MB of disc space for Power Cinema. You could either use a partition tool or as you install Windows XP, when Windows prompts you about creating a partition for Windows during the initial installation process (Press C to create a new partition for Windows), you should set aside 500MB of disc space. For example, if your hard drive has 30GB disk space, then you should create a partition of 29.5GB for Windows and leave 500MB aside for Power Cinema.

Note: Power Cinema needs to be on the 4th primary partition. Otherwise, the system cannot boot to Power Cinema when you press the P button.

2. Installation.
2-1 Before installing Linux system, please make sure you have a "4th partition" on the HDD and it should be 500MB. If not, please create a new one.
2-2 Insert the PCM4 Linux installation disc into the optical drive and reboot the system.
2-3 When system finished booting from the optical drive, you should see a warning message. Read it carefully.
2-4 In the step above, follow the on-screen instruction. When prompted, type "YES", and then press the "Enter" key. It will take about 2-3 minutes to install the software.
2-5 When installation is finish, please type "poweroff" and press the "Enter" key to shutdown system. Press the P button to start Power Cinema.

Note: If you made a mistake in the steps above, (for example, you didn't type "YES" in the 4th step), the system will exit to a Linux shell. If you still want to install PCM Linux, you can continue the installation by typing "install.sh" in the command prompt and you will return to step 2-3 as above.

Using Power Cinema:

PowerCinema is an integrated player for Audio CDs, music clips, photos, DVD/VCD movies, and video clips. To watch or listen to different types of media, click a content button on the Welcome page. The corresponding function opens, allowing you to enjoy the type of media you have selected.

Finding and Playing Content

Click or press Enter to open folders and to play or view media files. To go up a folder level, click the onscreen up arrow. To return to a previous screen within a mediafunction, click Return. Use the Up, Down, Left, and Right buttons to navigate within PowerCinema. To return to the Welcome page from within a media function, click the Backspace key on the keyboard.

Audio CD

Click a track to play it or click Play All to play all of the tracks displayed. Click Stop to stop music playback. To navigate in the list of tracks, click Next or Prev.

Note: When you exit this function, music playback stops.

DVD/VCD

Whenever you move the mouse during playback, player controls appear at the bottom of the screen. These player controls include the following: Play (plays the movie), Stop (stops movie playback), Pause (pauses movie playback), Next (jumps to the next movie chapter), Prev (jumps to the previous movie chapter), Fast Forward (fast forwards movie playback), Rewind (rewinds movie playback), Main Menu (goes to the disc?fs main menu), and Quit (returns to the Welcome page). These controls automatically disappear several seconds after the mouse stops moving.
To facilitate navigation and media playback, use the following hotkeys while watching a DVD/VCD movie:

Left arrow	Navigate left in the main menu
Up arrow	Navigate up in the main menu
Right arrow	Navigate right in the main menu
Down arrow	Navigate down in the main menu
F	Fast forward
H	Audio
L	Main menu
Enter	Play
Spacebar	Pause
Q	Mute
0-9	Enter numbers 0-9
S	Stop
A	Angle
T	Step
B	Scan backward
U	Subtitles
E	Step backward
N	Next/End
Esc	Quit
P	Previous/Beginning

Music Clips

Use this function to listen to music files in MP3 and WAV formats. Click Device to select a media source. You can select CDROM (for media on a CD), USB Devices (for media on a removable device), or HDD (for media in hard disk folders).
Click a music clip to play it or click Play All to play all of the clips displayed. Click Stop to stop music playback. To navigate in the list of clips, click Next or Prev.

Note: When you exit this function, music playback continues.

Photo

Use this function to view photo files in BMP, JPG, PNG, and TGA formats.
Click Device to select a media source. You can select CDROM (for media on a CD), USB Devices (for media on a removable device), or HDD (for media in hard disk folders).
Click a photo to view it. Click Slideshow to view a slideshow of the photos in the current directory. When the Subfolders option is selected, images in all of the subfolders contained in the selected directory are also displayed in the slideshow. When this option is not selected, the slideshow plays only the photos in the directory you have selected. Press the Backspace key on the keyboard to exit the slideshow.

Video Clips

Use this function to watch video files in AVI, M1V, M2V, MPG, and MPEG formats.
Click Device to select a media source. You can select CDROM (for media on a CD), USB Devices (for media on a removable device), or HDD (for media in hard disk folders).
Click a video clip to play it.
Whenever you move the mouse during playback, player controls appear at the bottom of the screen. These player controls include the following: Play (plays the movie), Stop (stops movie playback), Pause (pauses movie playback), and Quit (returns to the Welcome page). These controls automatically disappear several seconds after the mouse stops moving.

Settings

There are settings in PowerCinema to allow you to fine-tune its performance to your machine and your personal preferences. DVD SPDIF...: Select the DVD AC3/SPDIF option for multi-channel sound. Select the DVD PCM/SPDIF option for 2-channel sound. Language: Select the language you want to use for display in PowerCinema, then return to the main menu in order for the selection to take effect.

USB Refresh

Click USB Refresh each time you attach a USB device to your computer in order to enable PowerCinema to read from the device. (The amount of time required to refresh depends on the device.)

Eject

Click Eject to open your computer's CD/DVD ROM tray.

Reboot

Click Reboot to restart your computer and enter the Windows partition.

Battery Status Indicator

A battery icon appears on the Welcome page, indicating the power source (battery or AC adapter) your computer is currently using.

When your computer is using battery power, the icon appears as such: 

Approximate battery life is also displayed next to this icon.

When your computer is using the AC adapter, the icon appears as such: 

PRODUCT SPECIFICATION

Processor

Mobile Intel Pentium M (Banias), 1.5GHz-1.6GHz, 1 MB L2 with Error Correction Code
Mobile Intel Pentium M (Dothan), 1.7GHz-2.0GHz, 2 MB L2 with Error Correction Code

Core Logic

Intel 855GME + ICH4M(FW82801DBM) chipset with graphic, audio, modem, and USB2.0 controllers integrated
400 MHz Front Side Bus
266/333 MHz DDR interface

System Memory

DDR SDRAM 333, PC2700 compatible
128 / 256 / 512, 2.5-Volt 64-bit bus
Two 200-pin DIMM sockets, Max 1 GB

Display

12.1-inch (1280x800) WXGA or 12.1-inch (1024x768)
XGA active-matrix TFT display with 24-bit colors
Intel Integrated Extreme Graphic2 2D / 3D graphics accelerator
4X AGP architecture graphics capability
Hardware Motion Compensation and IDCT Supported for MPEG1/2 Playback
Shared Memory Architecture
Direct3D compatible, DirectX compatible
CH7011 S-Video TV-out Encoder

Audio

Intel (ICH4M) integrated audio controller
VT1612A
DirectSound 3D, EAX 1.0 & 2.0 compatible
A3D, I3DL2 compatible
AC97 V2.3 compatible
2 or 4 Stereo Speakers

Modem

Intel (ICH4M) integrated Modem Controller with MDC card, AC97 V2.2 Modem support
V.92 / V.90 / K56flex for download data speed up to 56Kbps.
V.34,V.17,V.29 protocol supported

LAN / Ethernet

Realtek RTL8100CL Ethernet function for 10/100Base-TX network standards
Windows 2000 / XP Plug and Play compatible
Automatic Jam and auto-negotiation for flow control

Auto Negotiation and Parallel detection for automatic speed selection (IEEE 802.3u)
High performance 32-bit PCI bus master architecture with integrated DMA controller for low CPU and bus utilization
Remote Wake-up Scheme supported
Hot Insertion supported

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Firewire IEEE1394(a)

TI TSB43AB22A IEEE1394 OHCI Host Controller and Up to 400 Mbps
Expandable up to 63 devices in chains
(Note: In some models, Firewire/1394 function may note be available.)

Storage

2.5-inch format hard disk drive
5.25-inch format (12.7mm height) fixed module (Optional Purchase)
5.25-inch format (12.7mm height) fixed module (Optional Purchase)

Keyboard & Touch pad

86-key QWERTY keyboard with embedded numeric keypad and Windows keys, 19.05mm Pitch Built-in Touch Pad

PC Card & Multiple Card Reader

TI PC1410 (PC Card), Genesis GL817E (Card Reader)
Single Slot TYPE II, Hot insertion and removal supported
Multimedia Card (MMC), Secure Digital Card (SD), Memory Stick (MS), and MS Pro Card
(Note: In some models, PC Card and Multiple Card Reader functions may note be available.)

Ports and Connectors

One Microphone-in jack
One Headphone / SPDIF jack
One Firewire (IEEE1394) host connector
Two USB2.0-compliant connectors
One standard network Ethernet connector (RJ-45)
One modem / phone connector (RJ11)
One S-video (TV-out) output connector
One DC-in connector
One 15-pin VGA connector
One 4-in-1 Card Reader slot
One PC Card Slot (type II)
(In some models, SPDIF-out Jack, Firewire/1394 Port, PC Card Slot, and Card Reader may not be available.)

Battery Pack / AC Adapter

Li-ion 6-Cell pack, 11.1V x 4000 mAh or
Li-ion 6-Cell pack, 11.1V x 4400 mAh or
Li-ion 4-Cell pack, 14.8V x 2200 mAh
Low battery state with low battery warning beep SmartPower1&2

Smart Battery Compliant; low battery warning beep
Autosensing AC-in 100~240V, DC-out 20V, 65W

Note: For SmartPower 2 to work correctly, the system must be installed with Windows XP SP2 or later edition.

NOTES

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