

This chapter gives you tips and hints on things to consider when moving around or traveling with your computer.

Disconnecting from the desktop

Follow these steps to disconnect your computer from external accessories:

1. Save your work in progress.
2. Shut down the operating system.
3. Turn off the computer.
4. Disconnect the cord from the AC adapter.
5. Disconnect the keyboard, pointing device, printer, external monitor, and other external devices.
6. Disconnect the Kensington lock if you are using one to secure the computer.

Moving around

when you are just moving within short distances, for example, from your office desk to a meeting room

Preparing the computer

Before moving the computer, close and latch the display cover to place it in Standby mode. You can now safely take the computer anywhere you go within the building.

To bring the computer out of Standby mode, open the display.

What to bring to short meetings

A fully charged battery runs the computer for 3 hours under most circumstances. If your meeting is shorter than that, you probably do not need to bring anything with you other than the computer.

What to bring to long meetings

If your meeting will last longer than 3 hours or if your battery is not fully charged, you may want to bring the AC adapter with you to plug in your computer in the meeting room.

If the meeting room does not have an electrical outlet, reduce the drain on the battery by putting the computer in sleep mode. Press Fn-F2 or close the display cover whenever you are not actively using the computer. Then tap any key or open the display to resume.

Taking the computer home

when you are moving from your office to your home or vice versa

Preparing the computer

After disconnecting the computer from your desktop, follow these steps to prepare the computer for the trip home:

1. Remove all media from the drives. Failure to remove the media can damage the drive head.
2. Pack the computer in a protective case that can prevent the computer from sliding around and cushion it if it should fall.



Caution: Avoid packing items next to the top cover of the computer.
Pressure against the top cover could damage the screen.

What to bring with you

Unless you already have some items at home, bring the following items with you:

- AC adapter and power cord
- The printed user's manual

Special considerations

Follow these guidelines to protect your computer while traveling to and from work:

- Minimize the effect of temperature changes by keeping the computer with you.
- If you need to stop for an extended period of time and cannot bring the computer with you, leave the computer in the trunk of the car to avoid exposing the computer to excessive heat.
- Changes in temperature and humidity can cause condensation. Allow the computer to return to room temperature, and inspect the screen for condensation before turning on the computer. If the temperature change is greater than 18°F (10°C), allow the computer to come to room temperature slowly. If possible, leave the computer for 30 minutes in an environment with a temperature between outside and room temperature.

Setting up a home office

If you frequently work on your computer at home, it may be worthwhile to purchase a second AC adapter for use at home. With a second AC adapter, you can avoid transporting the extra weight to and from home.

If you use your computer at home for significant periods of time, you might also want to add an external keyboard, monitor, or mouse.

Traveling with the computer

when you are moving within a larger distance, for instance, from your office building to a client's office building or traveling locally

Preparing the computer

Prepare the computer as if you were taking it home. Be sure the battery in the computer is charged. Airport security may require you to turn on your computer when bringing it into the gate area.

What to bring with you

Bring the following items with you:

- AC adapter
- Spare, fully charged battery packs
- Additional printer driver files if you plan to use another printer

Special considerations

In addition to the guidelines for taking the computer home, follow these guidelines to protect your computer while traveling:

- Always take the computer as carry-on luggage.
- If possible, have the computer inspected by hand. The computer can safely pass through security X-ray machines, but never expose the computer to a metal detector.
- Avoid exposing floppy disks to hand-held metal detectors.

Traveling internationally with the computer

when you are moving from country to country

Preparing the computer

Prepare the computer as you would normally prepare it for traveling.

What to bring with you

Bring the following items with you.

- AC adapter
- Power cords that are appropriate to the country to which you are traveling
- Spare, fully charged battery packs
- Additional printer driver files if you plan to use another printer

Special considerations

Follow the same special considerations as when traveling with the computer. In addition, these tips are useful when traveling internationally.

- When traveling in another country, check that the local AC voltage and the AC adapter power cord specifications are compatible. If not, purchase a power cord that is compatible with the local AC voltage (e.g., power rating). Do not use converter kits sold for appliances to power the computer.
- If you are using the modem, check if the modem and connector is compatible with the telecommunication system of the country you are traveling in.

5 Software

This chapter discusses the important system utilities bundled with your computer.

System software

The computer comes preloaded with the following software:

- Windows operating system
- DMI (Desktop Management Interface)-compliant hardware BIOS utility
- System utilities, drivers and application software



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Note: To access Windows software applications, click on the Start button and select the application folder. Then click on the application icon to run the selected application. To learn about the software and utility, make use of the online help provided by the software.

Launch Manager

Launch Manager allows you to set the four launch keys and the wireless button located above the keyboard. See “Launch keys” on page 23 for the location of these keys.

You can access the Launch Manager by clicking on Start, Programs, and then Launch Manager to start the application.

BIOS Utility

The BIOS Utility is a hardware configuration program built into your computer’s BIOS (basic input/output system).

Your computer is already properly configured and optimized, and you do not need to run this utility. However, if you encounter configuration problems, you may need to run it. Please also refer to Chapter 6, Troubleshooting when a problem arises.

To activate the BIOS Utility, press **F2** during POST.

PhoenixBIOS Setup Utility					
Information	Main	Advanced	Security	Boot	Exit
CPU Type	Intel (R)Pentium(R) 4 Mobile CPU 1.40 GHz				
CPU Speed	1400 Mhz				
System Memory:	640 KB				
Extended Memory:	129535 KB				
HDD1 Serial Number	XXXXXXXXXXXX				
HDD2 Serial Number	None				
System BIOS Version	R01-A0e				
VGA BIOS Version	4.17.0.48.00				
KBC Version	05.03.02				
Serial Number	XXXXXXXXXXXXXXXXXX				
Asset Tag Number					
Product Name	A3				
Manufacture Name	Wistron				
UUID Number	00000000-0000-0000-0000-000000000000				
F1 Help	↑↓ Select Item	~/+ Change Values		F9 Setup Defaults	
Esc Exit	← Select Menu	Enter Select > Sub-Menu		F10 Save and Exit	

Navigating the BIOS Utility

These are the menu options: Information, Main, Advanced, Security, Boot and Exit.

To enter a menu, highlight the item using the ← → keys.

Within a menu, navigate through the BIOS Utility by following these instructions:

- Press the cursor up/down keys (↑↓) to select item.
- Press the **F5/F6** to change the value of a parameter.
- Press **Enter** to go to sub-menu.
- Press **Esc** while you are in any of the menu options to return to the main menu



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Note: You can change the value of a parameter if it is enclosed in square brackets.



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Note: Navigation keys for a particular menu are shown on the bottom of the screen.

Information

The Information screen displays a summary of your computer hardware information.

PhoenixBIOS Setup Utility					
Information	Main	Advanced	Security	Boot	Exit
CPU Type	Intel (R)Pentium(R) 4 Mobile CPU 1.40 GHz				
CPU Speed	1400 Mhz				
System Memory:	640 KB				
Extended Memory:	129535 KB				
HDD1 Serial Number	XXXXXXXXXXXX				
HDD2 Serial Number	None				
System BIOS Version	R01-A0e				
VGA BIOS Version	4.17.0.48.00				
KBC Version	05.03.02				
Serial Number	XXXXXXXXXXXXXXXX				
Asset Tag Number					
Product Name	A3				
Manufacture Name	Wistron				
UUID Number	00000000-0000-0000-0000-000000000000				
F1 Help	F4 Select Item	~/+ Change Values		F9 Setup Defaults	
Esc Exit	→Select Menu	Enter Select > Sub-Menu		F10 Save and Exit	



Note: The screen above is for reference only. Actual values may differ.

The table below describes the parameters in this screen.

Parameter	Description
CPU Type	Describes the type of CPU installed in the system.
CPU Speed	Shows the speed of the CPU
Hard Disk (MB)	Shows the hard disk size.
HDD1 Serial Number	Shows the primary master hard disk drive serial number.
HDD2 Serial Number	Shows the secondary master hard disk drive serial number. If no secondary master hard disk drive is detected, “None” is displayed.
System BIOS Version	Shows the system BIOS version.
VGA BIOS Version	Shows the video graphics accelerator BIOS version.
KBC Version	Shows the current keyboard controller (KBC) version

Parameter	Description
Serial Number	Shows the system serial number.
Asset Tag Number	Shows the asset tag number.
Product Name	Shows the official name of the product.
Manufacturer Name	Shows the name of the manufacturer.
UUID	Shows the universally unique identifier number.

Main

The Main menu screen allows you to set basic settings about your computer such as date and time and boot settings.

PhoenixBIOS Setup Utility					
Information	Main	Advanced	Security	Boot	Exit
System Time:	[10:10:35]			Item Specific Help <Tab>, <Shift-Tab>, or <Enter> selects field.	
System Date:	[04/28/2002]				
Boot Display	[Both]				
Screen Expansion	[Enabled]				
QuickBoot Mode:	[Enable]				
Startup Screen	[Enable]				
Boot on LAN	[Disable]				
Hotkey Beep	[Enable]				
Auto Dim	[Enabled]				
F12 Multi-Boot	[Enabled]				
F1 Help	F4 Select Item	~/+ Change Values		F9 Setup Defaults	
Esc Exit	← Select Menu	Enter Select > Sub-Menu		F10 Save and Exit	

The table below describes the parameters in the screen.

Parameter	Description
System Time	Sets the system time. Format: HH:MM:SS (hour:minute:second)
System Date	Sets the system date. Format: DDD MMM DD YYYY (day-of-the-week month day year)
Boot Display	Sets the display device when the computer starts up. Options: Both or Auto

Parameter	Description
Screen Expansion	When enabled, the screen will automatically adjust the display to fit the screen when the resolution is set to 640x480. Options: Enabled or Disabled
QuickBoot Mode	Quick Boot allows your computer to skip certain tests at start-up to speed-up the boot process. Options: Enabled or Disabled
Boot-time Diagnostic Screen	Shows the logo during boot up. Options: Enabled or Disabled
Boot on LAN	When enabled, allows your computer to boot up via the network Options: Enabled or Disabled
Hotkey Beep	Enables or disables a beep when a hotkey is pressed. Options: Enabled or Disabled
Auto Dim	When enabled, the system will automatically dim the LCD screen when system is running on battery power. Options: Enabled or Disabled
F12 Multi-Boot	When enabled, the “Fn-F12 for multi-boot” message will be displayed during POST. Options: Enabled or Disabled

Advanced

The Advanced screen contains parameters values that define how your computer behaves on startup.

PhoenixBIOS Setup Utility				
Information	Main	Advanced	Security	Boot Exit
AC Powered		[Max Performance]	Item Specific Help	
Battery Powered		[Automatic]		
> Primary Master		[10056MB]		
> Primary Slave		[DVD/CD-RW]		
> Secondary Master		[None]		
> I/O Device Configuration				
> PCI IRQ Routing				
USB Host Controller:		[Enabled]		
USB BIOS Legacy Support		[Enabled]		
F1 Help ↑ Select Item -/+ Change Values F9 Setup Defaults Esc Exit ← Select Menu Enter Select > Sub-Menu F10 Save and Exit				

The table below describes the parameters in this screen. Settings in boldface are the default and suggested parameter settings.

Parameter	Description
AC Powered	Allows you to set the speed of the CPU when the computer is powered by the AC adapter. Options: Max Performance , Batt Optimized, Max Batt, or Automatic
Battery Powered	Allows you to set the speed of the CPU when the computer is powered by the battery. Options: Max Performance, Batt Optimized, Max Batt, or Automatic
Primary Master	Shows the IDE Primary Master information. Press Enter to access the sub-menu.
Primary Slave	Shows the IDE Primary Slave information. Press Enter to access the sub-menu.
Secondary Master	Shows the IDE Secondary Master information. Press Enter to access the sub-menu.
I/O Device Configuration	Press Enter to access and set the I/O Device Configuration sub-menu.
PCI IRQ Routing	Press Enter to access and set the PCI IRQ Routing sub-menu.

Parameter	Description
USB Host Controller	Enables or Disables the USB Host Controller. Options: Enabled or Disabled
USB BIOS Legacy Support	Enables or disables the USB BIOS Legacy Support. Options: Enabled or Disabled

IDE Primary Master

The IDE Primary Master sub-menu contains parameters related to the primary hard disk.

PhoenixBIOS Setup Utility	
Advanced	
Primary Master [Hard disk]	Item Specific Help
Type: [Auto] LBA Format Total Sectors: 39070080 Maximum Capacity: 20004MB Multi-Sector Transfers: [16 Sectors] LBA Mode Control: [Enable] 32 Bit I/O: [Disabled] Transfer Mode: [Fast PIO 4] Ultra DMA Mode: [Mode 5] SMART Monitoring: [Disabled]	
F1 Help ↑ Select Item -/+ Change Values F9 Setup Defaults Esc Exit ← Select Menu Enter Select > Sub-Menu F10 Save and Exit	



Caution: The parameters in this screen are for advanced uses only. Typically, you do not need to change the values in this screen. The default setting of Auto optimizes all the settings in your hard disk drive.

IDE Primary Slave

The IDE Primary Slave sub-menu contains parameters related to the optical drive installed in your computer.

PhoenixBIOS Setup Utility		
Advanced		
Primary Slave [DVD/CD-RW]		Item Specific Help
Type:	[Auto]	
Multi-Sector Transfers:	[Disabled]	
LBA Mode Control:	[Disabled]	
32 Bit I/O:	[Disabled]	
Transfer Mode:	[Fast PIO 4]	
Ultra DMA Mode:	[Disabled]	
SMART Monitoring:	[Disabled]	
F1 Help ↑ Select Item ~/+ Change Values F9 Setup Defaults Esc Exit ← Select Menu Enter Select > Sub-Menu F10 Save and Exit		



Caution: The parameters in this screen are for advanced uses only. Typically, you do not need to change the values in this screen. The default setting of Auto optimizes all the settings in your optical drive.

I/O Device Configuration

The I/O Device Configuration sub-menu contains parameters that are related to your computer hardware.

PhoenixBIOS Setup Utility		
Advanced		
I/O Device Configuration		Item Specific Help
Serial Port B:	[Enable]	
Mode:	[FIR]	
Base I/O Address:	[2F8]	
Interrupt:	[IRQ 3]	
DMA channel:	[DMA 3]	
Parallel port:	[Enable]	
Mode:	[Bi-directional]	
Base I/O address:	[378]	
Interrupt:	[IRQ 7]	
F1 Help ↑ Select Item ~/+ Change Values F9 Setup Defaults Esc Exit ← Select Menu Enter Select > Sub-Menu F10 Save and Exit		

Parameter	Description
Serial Port B	Enables or disables the infrared port. Options: Enabled or Disabled
Base I/O Address	Sets the I/O address of the infrared port. Options: 3F8h, 2F8h , 3E8h or 2E8h
Interrupt	Sets the IRQ request of the infrared port. Options: IRQ 4, IRQ 3
DMA channel	Sets the direct memory access of the infrared port. Options: DMA 1 or DMA 3
Parallel Port	Enables or disables the parallel port. Options: Enabled or Disabled
Mode	Sets operation mode of the parallel port. Options: Output only, Bi-direction , EPP, or ECP
Base I/O Address	Sets the I/O address of the parallel port. Options: 3BC, 378h , or 278h
Interrupt	Sets the interrupt request of the parallel port. Options: IRQ 5 or IRQ 7
ECP DMA Channel	Sets a DMA channel for the printer to operate in ECP mode. This parameter is enabled only if Mode is set to ECP. Options: DMA 1 or DMA 3

PCI IRQ Routing

The PCI IRQ Routing sub-menu allows you to set the IRQs for PCI devices.

PhoenixBIOS Setup Utility	
Advanced	
PCI IRQ Routing	Item Specific Help
PCI IRQ A#: [10] PCI IRQ B#: [11] PCI IRQ C#: [11] PCI IRQ D#: [11] PCI IRQ E#: [11] PCI IRQ F#: [10] PCI IRQ G#: [10] PCI IRQ H#: [10]	
F1 Help ↵ Select Item ~/+ Change Values F9 Setup Defaults Esc Exit ← Select Menu Enter Select > Sub-Menu F10 Save and Exit	



Caution: The parameters in this screen are for advanced uses only. Typically, you do not need to change the values in this screen because these values are already optimized.

Security

The System Security screen contains parameters that help safeguard and protect your computer from unauthorized use.

PhoenixBIOS Setup Utility				
Information	Main	Advanced	Security	Boot Exit
Set Supervisor Password			[Enter]	Item Specific Help
Set User Password			[Enter]	
Password on boot:			[Enable]	
Set Primary Hard Disk Password			[Enter]	
Set Secondary Hard Disk Password			[Enter]	
F1 Help ↵ Select Item ~/+ Change Values F9 Setup Defaults Esc Exit ← Select Menu Enter Select > Sub-Menu F10 Save and Exit				

The table below describes the parameters in this screen. Settings in boldface are the default and suggested parameter settings.

Parameter	Description
Setup Supervisor Password	When set, this password protects the BIOS Utility from unauthorized entry. Press Enter to set this password.
Set User Password	When set, this password protects the computer from unauthorized entry during boot-up or resume from Hibernation mode. Press Enter to set this password.
Password on Boot	When enabled, a password is requested when the system boots up. Options: Enabled or Disabled
Set Primary Hard Disk Password	When set, this password prevents the primary hard disk from unauthorized access. It consists of 8 alphanumeric characters. Press Enter to set this password.
Set Secondary Hard Disk Password	When set, this password prevents the secondary hard disk from unauthorized access. It consists of 8 alphanumeric characters. Press Enter to set this password.



Note: Don't forget your password. If you forget your password, you may have to return your notebook computer to your dealer to reset it.

Setting a password

Follow these steps:

1. Use the ↑ and ↓ keys to highlight a password parameter (Setup, Power-on, or Hard Disk) and press the **Enter** key. The password box appears:

2. Type a password. The password may consist of up to eight alphanumeric characters (A-Z, a-z, 0-9).



Important: Be very careful when typing your password because the characters do not appear on the screen.

Setting the Boot drive sequence

Use the cursor up/down keys to select a boot device, then press **F5** or **F6** to change its order. Items with a “+” sign can be further expanded.

Exit

This menu contains the exit options.

PhoenixBIOS Setup Utility					
Information	Main	Advanced	Security	Boot	Exit
Exit Saving Changes Exit Discarding Changes Load Setup Defaults Discard Changes Save Changes				Item Specific Help	
F1 Help ↑ Select Item -/+ Change Values F9 Setup Defaults Esc Exit ← Select Menu Enter Execute Command F10 Save and Exit					

Parameter	Description
Exit Saving Changes	Saves your changes and exits the BIOS Utility.
Exit Discarding Changes	Discards your changes and exits the BIOS Utility.
Load Setup Defaults	Loads default settings for all setup parameters.
Discard Changes	Discards your changes.
Save Changes	Saves your changes.

6 Troubleshooting

This chapter instructs you on how to deal with common system problems. Read it before calling a technician if a problem occurs. Solutions to more serious problems require opening up the computer. Do not attempt to open and service the computer by yourself. Contact your dealer or an authorized service center for assistance.

Frequently-asked questions

This is a list of possible situations that may arise during the use of your computer, and it gives easy answers and solutions to these questions.

I press the power switch, but the computer does not start or boot-up.

Look at the Power indicator:

- If it is not lit, no power is being applied to the computer. Check the following:
 - If you are running on battery power, it may be low and unable to power the computer. Connect the AC adapter to recharge the battery pack.
 - Make sure the AC adapter is plugged in properly to the computer and to the power outlet.
- If it is lit, check the following:
 - If the Standby indicator is lit, the computer is in Standby mode. Press any key or tap on the touchpad to resume.
 - Is a non-bootable (non-system) diskette in the floppy drive? Remove or replace it with a system diskette and press Ctrl-Alt-Del to restart the system.

The operating system files may be damaged or missing. Insert the startup disk you created during Windows setup into the floppy drive and press Ctrl-Alt-Del to restart the system. This will diagnose your system and make necessary fixes.

Nothing appears on the screen.

The computer's power management system automatically blanks the screen to save power. Press any key to turn the display back on.

If pressing a key does not turn the display back on, two things might be the cause:

- The brightness level might be too low. Press Fn← and Fn→ to adjust the brightness level.
- The display device might be set to an external monitor. Press the display toggle hot key Fn-F3 to toggle the display back to the computer.

Image is not full-screen.

Make sure the resolution is set to a resolution your system supports. Right-click on your Windows desktop and select Properties to bring up the Display Properties dialog box. Then click on the Settings tab to make sure the resolution is set to the appropriate resolution. Resolutions lower than the specified resolution are not full-screen on the computer or on an external monitor.

No audio from the computer.

Check the following:

- The volume may be muted. In Windows, look at the volume control icon on the taskbar. If it is crossed-out, click on the icon and deselect the Mute option.
- The speakers may be turned off. Press Fn-F5 to turn the speakers on (this hotkey also turns the speakers off).
- The volume level may be too low. In Windows, look at the volume control icon on the taskbar. Click on the icon and adjust the level.

If headphones, earphones or external speakers are connected to the line-out port on the computer's left panel, the internal speakers automatically turn off.

External microphone does not work.

Check the following:

- Make sure the external microphone is connected to the microphone-in jack on the computer's left panel.
- If you cannot hear playback, the speakers may be muted.

The keyboard does not respond.

Try attaching an external keyboard to the USB connector on the computer's rear. If it works, contact your dealer or an authorized service center as the internal keyboard cable may be loose.

The printer does not work.

Check the following:

- Make sure that the printer is connected to a power outlet and it is turned on.
- Make sure the printer cable is connected securely to the computer's USB port and the corresponding port on the printer.

I want to set up my location to use the internal modem.

To properly use your communications software (e.g., HyperTerminal), you need to set up your location:

1. Open the Windows Control Panel and double-click on the Modems icon.
2. Click on Dialing Properties and begin setting up your location.

Refer to the Windows manual.

Why can't I charge my battery to 100% charged when it is 99-95%

charged?

To preserve the life of the battery, the system only lets you charge the battery when its capacity falls below 95%. However, it is recommended that you bring an extra battery and let the battery in the system use up its power before charging it.

Error messages

If you receive an error message, note the message and take the corrective action. The following table lists the error messages in alphabetical order together with the recommended course of action.

Error Messages	Corrective Action
CMOS Battery Bad	Contact your dealer or an authorized service center.
CMOS Checksum Error	Contact your dealer or an authorized service center.
Disk Boot Failure	Insert a system (bootable) diskette in the floppy drive (A:), then press Enter to reboot.
Equipment Configuration Error	Press F2 (during POST) to enter the Setup Utility; then press Esc to exit and reconfigure the computer.
Hard Disk 0 Error	Contact your dealer or an authorized service center.
Hard Disk 0 Extended Type Error	Contact your dealer or an authorized service center.
I/O Parity Error	Contact your dealer or an authorized service center.
Keyboard Error or No Keyboard Connected	Contact your dealer or an authorized service center.
Keyboard Interface Error	Contact your dealer or an authorized service center.
Memory Size Mismatch	Press F2 (during POST) to enter the Setup Utility; then press Esc to exit and reconfigure the computer.
Missing operating system	Follow these steps: 1. Press F2 (during POST) to enter the Setup Utility. 2. Exit the Setup Utility (saving the changes).
Non-system disk or disk error. Replace and strike any key when ready	Insert a system (bootable) diskette in the floppy drive (A:), then press Enter to reboot.

Error Messages	Corrective Action
Pointing Device Error	Contact your dealer or an authorized service center.
Pointing Device Interface Error	Contact your dealer or an authorized service center.
Protected Mode Test Fail	Contact your dealer or an authorized service center.
RAM BIOS Bad	Contact your dealer or an authorized service center.
RAM Parity Error	Contact your dealer or an authorized service center.
Real-Time Clock Error	Press F2 (during POST) to reconfigure the computer.
Video RAM BIOS Bad	Contact your dealer or an authorized service center.

If you still encounter problems after going through the corrective measures, please contact your dealer or an authorized service center for assistance. Some problems may be solved using the BIOS Setup Utility. See “BIOS Utility” on page 71.

A Specifications

This appendix lists the general specifications of your computer.