

GQ Notebook

User's Guide



Preface

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Federal Communications Commission Radio Frequency Interference Statement



This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

Notice:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Shielded interface cables and a non-shielded AC power cord must be used in order to comply with emission limits.

This equipment is to be used with power supply:
I/P: 100-240 Vac, 50-60Hz, 1.6A max
O/P: 19Vdc, 3.16A

Canadian DOC Notice For Class B Computing Devices

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

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

Safety Precautions

This section is designed to assist you in identifying potentially unsafe conditions while working with this product. Required safety features have been installed in the computer to protect you from injury. However, you should use good judgment to identify potential safety hazards:

Please read these safety instructions carefully.

Please keep this User's Manual for later reference.

Please disconnect this equipment from AC outlet before cleaning. Don't use liquid or sprayed detergent for cleaning. Use moisture sheet or cloth for cleaning.

For pluggable equipment, that the socket-outlet shall be installed near the equipment and shall be easily accessible.

Please keep this equipment from humidity.

Lay this equipment on a reliable surface when isntall. A drop or fall could cause injury.

Make sure to use the right voltage for the power source when connecting the equipment to the power outlet.

Place the power cord in such a way that people can not setp on it. Do not place anything on top of the power cord.

All cautions and warnings on the equipment should be noted.

If the equipment is not used for a long time, disconnect the equipment from the main power outlet to avoid being damaged by transient overvoltage.

Never pour any liquid into the opening, this could cause fire or electrical shock.

Never open the equipment. For safety reason, the equipment should only be opened by a qualified service personnel.

If on the following situations arises, get the equipment checked by a service personnel:

- a.* The Power cord or plug is damaged.
- b.* Liquid has penetrated into the equipment.
- c.* The equipment has been exposed to moisture.
- d.* The equipment has not work well or you cannot get it work according to the user's manual.
- e.* The equipment has dropped and damaged.
- f.* If the equipment has obvious sign of breakage.

Do not leave this equipment in an environment unconditioned, storage temperature above

60°C (140°F), it may damage the equipment.

The unit can be operated at an ambient temperature of max. 35°C.

The sound pressure level at the operators position according to IEC 704-1: 1982 is equal or less than 70 dB(A).

Power Cord Requirements

The power cord set used with the AC adaptor must meet the requirements of the country where you use the AC adaptor, whether it is 100-120 or 200-240 Vac. The following information explains the requirements for power cord set selection.

- The cord set must be approved for the country in which it is used.
 - The appliance coupler must have a configuration for mating with a CEE22/EN6032/IEC 320 appliance inlet.
- A.** For U.S. and Canada:
- The cord set must be UL Listed and CSA Certified.
 - The minimum specifications for the flexible cord are No. 18 AWG.
- B.** For Japan:
- All components of the cord set must bear a “ T ” mark and registration number in accordance with the Japanese Dentori Law.
 - The minimum specifications for the flexible cord are .75m² conductors.
- C.** For Other Countries:
- The cord set fittings must bear the certification mark of the agency responsible for evaluation in a specific country.
 - The flexible cord must be of a HAR (harmonized) type H05VV-F.
 - The cord set must have a current capacity of a least 2.5 Amperes and voltage rating of 125 or 250 Vac.

When using your telephone equipment, basic safety precautions should always be

followed to reduce the risk of fire, electric shock and injury to persons. These precautions includes the following:

1. Do not use this product near water, for example, near a bathtub, washbowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.
2. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
3. Do not use the telephone to report a gas leak in the vicinity of the leak.
4. Use only the power cord indicated in this manual.

Do not use the AC adapter near open water or other liquids. Never spill liquid into the AC adapter.

Laser Warning: Laser Class I Product Caution - Invisible laser radiation when open avoid exposure to beam.

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions. Never remove the battery pack while the power is on as this may result in data loss when the system loses power.

Personal Inventory

This Mobile PC system is designed for years of productive and pleasurable computing. Use this section to keep notes about details of your purchase. Update this section when you add new options.

Date of Purchase:

Dealer's Name:

Phone:

Address:

E-Mail Address:

WWW Site:

Serial Number:

CPU Type:

Hard Disk Capacity:

Memory Capacity:

Optional Equipment:

Chapter 1

Introduction



Things you must remember before working on your computer

Let your computer acclimate itself

Your Mobile PC can easily stand temperature extremes but it doesn't like rapid changes in temperature, like going from the cold outdoors to a warm office. Rapid changes in temperature can cause water droplets to condense inside your case, threatening to damage the electronic parts inside.

After receiving your Mobile PC when it's hot or cold outside, try not to power up the computer immediately, let the computer adjust to the room temperature gradually at least for three to four hours



If your system arrives in cold weather, do not apply power to the computer or monitor until they have been allowed to come to room temperature

Heat, Cold, Humidity, and Glare

Find a suitable place for your computer that's not too hot, too cold, too dark, or too bright. Glare can make it hard to read the screen.

- Try to avoid the computer components from being destroyed if it is over heated, so try to allow plenty of room for air to circulate around the case.
- Do not block the ventilation opening.
- Do not place your computer in direct sunlight.

A few tips to help you work effectively without a lot of physical discomfort:

- Purchase a chair with armrests and good back support. Don't slouch when sitting; keep your back straight.
- Try to place the LCD panel or external monitor so that there is little glare from the sun on the monitor.
- Walk around the room every hour.
- Every half hour look away from the computer screen for a few minutes.
- Place everything that you need to work within easy reach.

Welcome to the Mobile PC

Congratulations on your purchase of the Mobile PC. Your Mobile PC features the latest advances in portable computing technology. The Mobile PC's modular design provides maximum expandability without compromising portability. The high-performance CPU and enhanced IDE hard drive provides you with extra processing power for handling complex graphics and running large programs.

Getting to Know Your Computer

Opening the LCD Panel

At the front of the Mobile PC you can find a retaining latch on the display panel that locks the display in closed position when the Mobile PC is not in use.

1. Slide the display panel latch to the right until the display panel releases, and then raise the LCD screen.

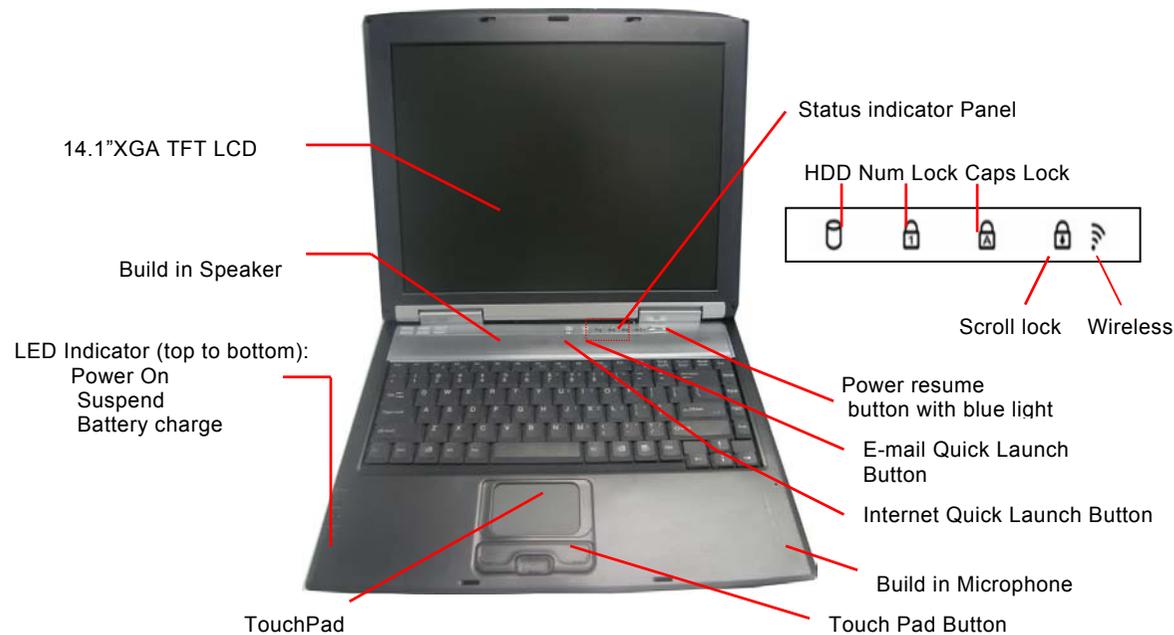
At any time you can tilt the display toward or away from you to a comfortable viewing position.



To avoid damage to the display panel:

- 1. Try not to slam the display upon closing it.**
 - 2. Try not to place any object on top when it is closed or open.**
 - 3. Be sure the system is turned off or in suspend mode before you close the display panel.**
-

With the LCD screen open, you will see several features important for operating your Mobile PC.



Each of these features is briefly described below.

LCD Screen

Your Mobile PC computer is equipped with a replaceable color Liquid Crystal Display (LCD) screen that supports up to 14.1" or 15" LCD resolution.

A built-in backlight allows you to comfortably view the screen even when ambient lighting is low.

Power/Resume Button

Pressing this button for 1-2 seconds will turn on the system or pressing this button when the computer is in Suspend mode will resume normal operation. Pressing this button for 4-6 seconds will also turn off the system.

System Status Indicator Panel

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

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



Indicates when the system LAN is functioning.

TouchPad

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

TouchPad Buttons

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

Internet Explorer Button

Use this key to open the Internet Explorer.

Outlook Express Button

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

The Built-in Microphone

The built-in microphone is located to the left of the TouchPad.

Front Side

LCD Cover Release Latch

Slide this latch to the right to open the LCD cover.

**LCD Cover Release
Latch**

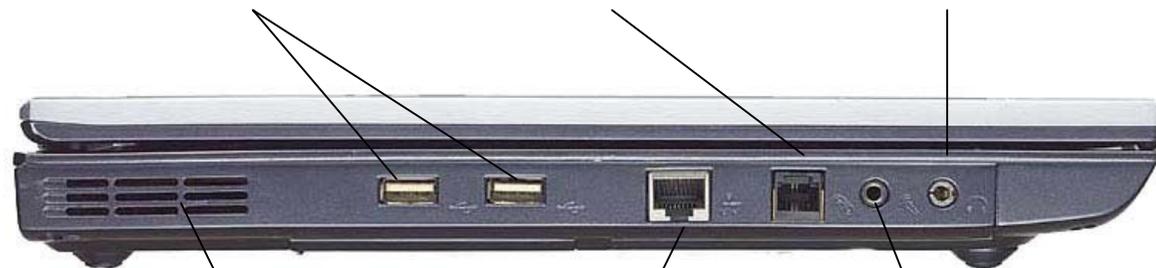


The Left Side

USB Port

Modem Port

Headphone Jack



Ventilation Opening

LAN Port

Microphone Jack

Ventilation Opening

Please don't block this opening during operation of the system.

The LAN Port

This jack provides a standard RJ-45 connection for integration with an existing network or a high-speed (DSL or cable) connection via a network cable.



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

The Modem Port

This jack is an internal 56K voice/fax/data modem. You will connect your computer to your phone line through this port.



Always disconnect all telephone lines from the wall outlet before servicing or disassembling this equipment. To reduce the risk of fire use only No. 26 AWG or larger telecommunication line cord.

Microphone Jack

This allows you to receive monophonic input from an external microphone. Use of an external microphone will disable the built-in microphone.

Headphone Jack

You can plug an external speaker, headphone or connect the line out jack to an audio device such as a cassette recorder to record the Mobile PC 's audio output.

LED Indicators

These three LED indicators are separately program for the following functions: Power On,



1. Power On

This indicator will lit when the Mobile PC is powered On.

2. Battery Charge

This indicator will lit orange when the battery is in charging status. The indicator will shut down when the battery is fully charged.

3. Suspend Mode

This indicator will lit when the Mobile PC enter the suspend mode.

The Right Side



DVD-ROM

DC IN Connector

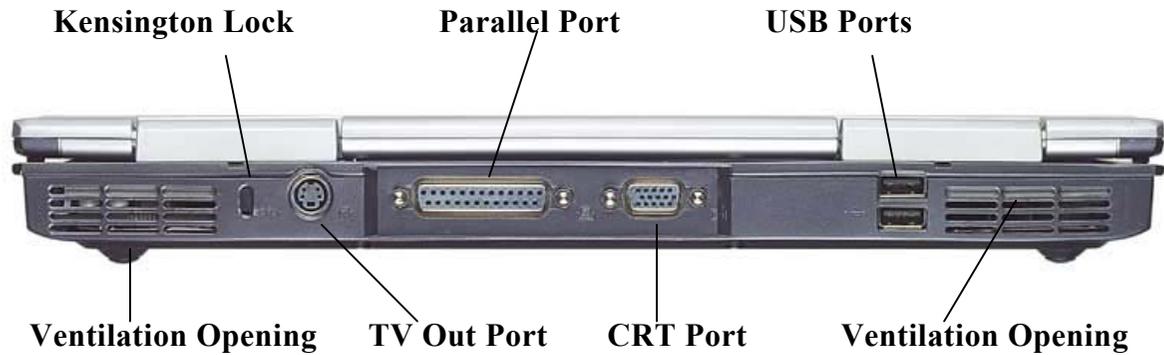
DVD-ROM

Your Mobile PC comes with a 8X DVD-ROM.

DC IN Connector

Plug the AC adapter into this connector.

The Rear Side



Ventilation Opening

Please don't block this opening during operation of the system.

Kensington Lock

Allows you to connect a special computer lock to secure your system.
You can purchase a lock at most computer retailers.

TV Out Port

This 4-pin S-Video port allows you to view the Mobile PC's Video output on a television monitor.

Parallel Port

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

External CRT Port

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

USB Ports

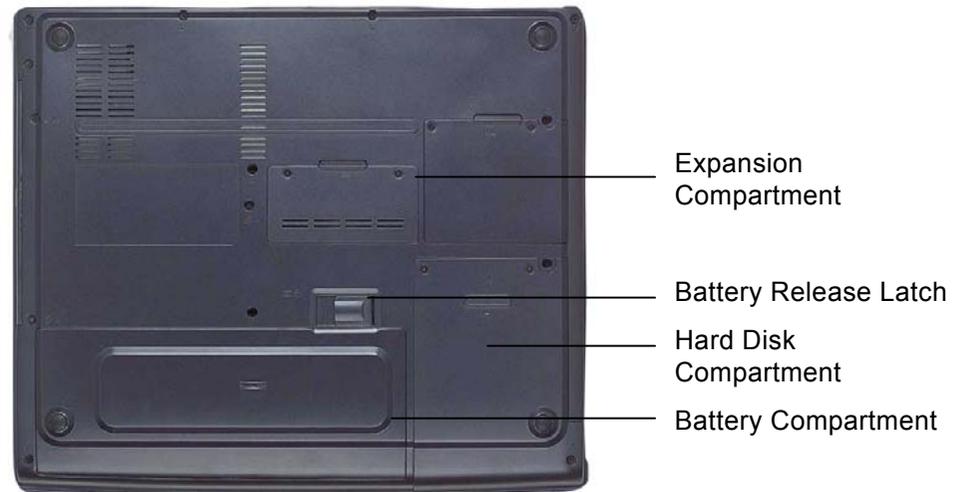
Your computer includes two Universal Serial Bus (USB) port. USB is the latest development in Plug and Play technology.

It will eventually replace the need for separate connectors for external keyboards, serial ports, and parallel (printer) port.

Ventilation Opening

Please don't block this opening during operation of the system.

The Bottom Panel



Expansion Compartment

This compartment will serve as an expansion to upgrade your RAM module.

Battery Release Latch

Lift up this latch to release the battery from its bay.

Hard Disk Drive

Your computer includes a 2.5-inch IDE hard disk drive (9.5mm in height). The Mobile PC BIOS automatically detects IDE drive types.

Battery Compartment

Your Mobile PC comes equipped with a factory-installed battery pack module. After the battery runs down, the module can be removed and replaced with a charged battery.

Chapter 2

Getting Started



Connecting to a Power Source

Connecting the AC Adapter

A universal AC adapter is provided to supply your computer with power and also charge the computer's battery pack.

The adapter's AC input voltage can range anywhere from 100 to 240 volts, covering the standard voltages available in almost every country.

The power cord for the AC adapter requires a three-hole grounded AC outlet. To connect the computer to an external power source:



1. Plug the AC adapter's connector into the DC-IN connector on the rear of the computer.
2. Connect the power cord to the AC adapter and then to a wall outlet.



The best kind of AC power source to connect your Mobile PC to is a UPS (Uninterruptible Power Supply). Lacking this, use a power strip with a built-in surge protector. Do not use inferior extension cords as this may result in damage to your Mobile PC . The Mobile PC comes with its own AC adapter. Do not use a different adapter to power the computer and other electrical devices.

Whenever possible, keep the AC adapter plugged into the Mobile PC and an electrical outlet to recharge the battery.



Never turn off or reset your Mobile PC while the hard disk is in use and the HDD status icon is lit; doing so can result in loss or destruction of your data. Always wait at least 5 seconds after turning off your Mobile PC before turning it back on; turning the power on and off in rapid succession can damage the Mobile PC's electrical circuitry.

Turning On Your Mobile PC

Turn on your Mobile PC by pressing the power button. Hold the button down for a second or two and release. The Power-On Self Test (POST) runs automatically.

After the POST is completed, the computer reads the operating system from the hard disk drive into computer memory (this is commonly referred to as "booting" a computer). If your OS (Operating System such as Windows ME, Windows 2000.... etc) is installed, it should start automatically.

To turn the Mobile PC off, save your work and close all open applications, click on **Start**, then **Shut Down** and select **Shut down the computer** and click "**Yes**" or press the power button for 4-6 seconds.

Operating on Removable Battery Power



The system provides you with a removable battery pack that does not provides the computer with information about its power status.

Your computer comes with a rechargeable removable battery pack that lets you operate the computer without an external power source. When the removable battery pack is fully charged, you can operate the computer for approximately 1.5 hours under the following conditions:

- The removable battery pack initially has a full charge.
- No peripheral devices are installed.
- The disk/CD-ROM drives run no more than 10% of the time.
- The battery pack is 8-cell battery pack.
- Power Now is enabled.



Only use batteries that are approved by an authorized dealer. All batteries are not the same and therefore should not be treated as such. Using the wrong battery could cause serious damage to your computer and yourself through toxic emissions.

Inserting and Removing the Removable Battery Pack

The removable battery pack should already be inserted in your Mobile PC when you unpack it. If not inserted, follow these directions:

1. Turn over the Mobile PC with the front of the unit facing you and place it on a solid, flat surface.
2. Angle the battery into the bay. The front edge of the battery should slide into the grooves in the system case.



3. Gently lower the battery into the bay and push it until it clicks securely in the bay.

To remove the removable battery pack:

-
1. Turn off the Mobile PC , and disconnect the AC adapter.
 2. Close the LCD panel and turn it over and place it on a solid, flat surface.



3. Lift the release latch to release the battery from the bay. At this time the battery will now be angled slightly out of the bay.
4. Hold the removable battery at the finger grip and lift it out of the compartment.



Charging the Removable Battery Pack

The installed removable battery pack charges automatically any time the computer is connected to the AC adapter and an external power source.

It is a good idea to occasionally discharge the battery pack fully to preserve its operating performance.

Chapter 3

Using the Mobile PC



Adjusting the LCD Screen Display

The LCD screen display can be adjusted by the following key combinations.

KEYS	FUNCTIONS
[Fn] + [F7]	Decreases the brightness level.
[Fn] + [F8]	Increases the brightness level.
[Fn] + [F12]	This key combination toggles the display between the LCD, CRT, simultaneous LCD/CRT.

LCD Care

LCD screens are delicate devices that need careful handling. Please pay attention to the following precautions:

- When you are not using the computer, keep the LCD screen closed to protect it from dust.
- If you need to clean your LCD screen, use a soft tissue to gently wipe the LCD surface.
- Do not put your fingers or sharp objects directly on the surface and never spray cleaner directly onto the display.
- Do not press on, or store any objects on the cover when it is closed. Doing so may cause the LCD to break.

External CRT Display

You can hook up an external monitor through the 15-pin CRT connector. 5 configurations are available:

- LCD only
- CRT only
- LCD+CRT

-
- TV+ CRT
 - TV only

You can switch between these display configurations by pressing the key combination **[Fn] + [F12]**.



To shift the display screen from your computer to the TV screen, you will have to utilize the VGA utility function by executing the VGA Display function. Please refer to Chapter Six on the topic of “VGA Utilities” section.

For information on connecting an external display, please refer to Chapter Four.

A Tour of the Mobile PC 's Keyboard

The Mobile PC 's keyboard uses a standard QWERTY layout with the addition of special function keys and an embedded numeric keypad for number intensive data entry. Your keyboard supports Windows by incorporating the two Windows specific keys. With the two Windows keys you will be able to access and take advantage of many of the timesaving features of Windows software.

The function keys (F1-F12) on the top row of the keyboard, serve different purposes and carry out different tasks depending on the application you are running.

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

The embedded numeric keypad consists of 15 keys that make number intensive input more convenient. Like the [Num Lock] key, these keys are labeled in blue on the keycaps. Numeric assignments are located at the upper right of each key.

When the numeric keypad is engaged, the NumLock icon will appear in the System Window. The keypad is activated by pressing the [Fn] + [NumLk] key. If an external keyboard is connected, pressing the NumLock key on either the Mobile PC or external keyboard will enable/disable NumLock of both keyboards in unison.

To disable the Mobile PC numeric keypad while keeping the keypad on an external keyboard activated, use the [Fn] + [NumLk] hot key on the Mobile PC keyboard.



The Mobile PC 's Hot Key Controls

KEYS	FUNCTION(S)
Power Button	Press this button once to power on or enter the suspend/resume mode. Press this button for more than 4 seconds to power off the system.
Internet Button	Open Internet WWW Home short-cut key
Email Button	Open Email Reader short-cut key
[Fn] + [F2]	This key combination turns on/off the volume.

[Fn] + [F3]	Decreases the speaker volume.
[Fn] + [F4]	Increases the speaker volume.
[Fn] + [F7]	Decreases the brightness level.
[Fn] + [F8]	Increases the brightness level.
[Fn] + [F12]	This key combination toggles the display between the LCD, CRT, simultaneous LCD/CRT.

The TouchPad

The touchpad is a rectangular electronic panel located just below your keyboard. You can use the static-sensitive panel of the touchpad and slit it to move the cursor. You can use the buttons below the touchpad as left and right mouse buttons.



TouchPad Precautions

The TouchPad is a pressure sensitive device. Please take note of the following precautions.

- Make sure the TouchPad does not come into contact with dirt, liquids or grease.
- Do not touch the TouchPad if your fingers are dirty.
- Do not rest heavy objects on the TouchPad or the TouchPad buttons.

You can use the TouchPad with Microsoft Windows as well as non-Windows applications.

Connecting an External Tracking Devices

The system will only enables you to use one tracking device whether it is an internal or external tracking device.

Data Storage and Retrieval

Data storage and retrieval are two of the most fundamental tasks you will perform when working with your computer. The Mobile PC is equipped with a hard disk drive (HDD). The HDD is removable allowing for easy upgrades.

DVD-ROM

Features of the DVD-ROM Module

The features of the CD-ROM/DVD-ROM/Combo drive are listed below.

- The Audio Play feature allows you to play music CDs
- Front panel load/unload button
- Supports CD-DA, CD-ROM mode 1 and mode 2, Multi-Session Photo CD™, CD-I/Video CD (pcs.)
- Low power consumption
- 12.7mm height

Precautions for Handling CD-ROM/DVD-ROM Discs

- Always hold the disc by the edges, avoid touching the surface.
- Use a clean, dry, cloth to remove dust, smudges, or fingerprints. Wipe from the center outward.

-
- Do not write or place objects on the surface of the disc.
 - Store discs in a cool dry place not to damage the disc.
 - Do not use benzene, thinners, or cleaners with detergent. Only use CD-ROM/DVD-ROM cleaning kits.
 - Do not bend or drop the discs.

Loading a Disc

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

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

To remove a disk, do the following:

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



Do not insert any foreign objects into the disc tray. If you experience difficulty when ejecting the CD disk tray, stretch a paper clip (or use a pin or a thin metal rod) and insert it into the emergency eject hole located on the right side of the front panel. The CD disk tray should eject immediately. This procedure can also be used to remove a CD from the drive when the Mobile PC is powered off.

Removing the DVD-ROM Drive

1. Remove the screws and push the drive into the direction of the arrow as described in the illustration.



1. Pull out the DVD-ROM drive from the bay.

Power Saving Modes

This section contains information on the Mobile PC 's power system, including the AC Adapter, the battery system, recharging the battery, and tips for conserving battery power.

The power system is comprised of two parts, the AC Adapter and the battery system. The AC Adapter converts AC power from a wall outlet to the DC power required by the computer.

The Battery Power System

A fully charged pack will provide approximately 1.5 hours of battery life depending on your system configuration application it runs.

Charging the battery takes about 3.5 hours to charge for 8-cell when the system is in off state. If possible, always charge the battery completely.

NOTE: *When in the the Batterymode, Windows can lowers the processor frequency with AMD PowerNow!TM.*

Removing the Removable Battery Pack

To remove the battery pack from its compartment, please refer to Chapter Two, ***Inserting and Removing the Removable Battery Pack***.

To calibrate the battery pack follows the instructions below:

1. Insert the removable battery into the battery compartment and turn on the Mobile PC . If the removable battery is completely without power go to the next step.

Otherwise, let the removable battery run down until the battery low-low warning beeps are heard.

-
2. Turn the Mobile PC off. Connect the AC adapter and let the removable battery fully recharge. When the removable battery charge indicator turns off, the battery is fully charged.
 3. Turn On the Mobile PC , let the removable battery run down until the battery is in low-low state and you hear a warning beeps. You can now connect the AC adapter.
 4. The removable battery pack is now calibrated properly.

In general, using the removable battery until the low-low battery-warning indicator appears and fully recharges the battery each time (full discharge/charge cycle) will ensure the accurate reporting of the battery gauge status.

Automatic Removable Battery Pack Charging Function

You can automatically charge the removable battery pack by using the AC Adapter. The charge time is about two hours when the Mobile PC power is turned off. The following table summarizes the charging modes:

Charge Mode	Charge Time
Fast	Approximately 2 hours with the system off or in Suspend mode. The temperature must be 25°C or below room temperature.

NOTE: *The system will stop battery charging when the battery temperature is over 55 °C to protect the battery from overheat.*

Battery Status

Windows 98SE/windows ME/Windows 2000 has an applet in the Control Panel that will display an icon in the Windows taskbar indicating when the Mobile PC is running on battery power or is attached to AC adapter. This applet also displays a meter that indicates how much charge is remaining in the battery .

For Windows XP

In the “**Control Panel**” double click the “**Power Options**” icon to display the “**Power Options Properties**” as shown on the right screen.

Power Scheme

In setting your power options, click on the “**Power Scheme**” tab to select the power scheme most appropriate for you in using your computer.

Settings for Portable/Laptop power scheme

Under this item you are allowed to set the time setting for the system to enter the stand by mode whether you are operating the system by battery or AC power source.

- Turn off monitor/hard disks

Under this item you are allowed to set the time setting for the system to enter the stand by mode whether you are operating the system by battery or AC power source.

- System Stand by/Hibernates

Under this item, you are also allowed to set the time setting for the system to enter standby mode.

Power Meter

Click on the “Power Meter” tab to display the type of power source you are using to operate your Mobile PC computer.

Current power source:	Batteries	This indicates the Mobile PC is operated with battery
Total battery power remaining:	98%	
Current power source:	AC power	This indicates the Mobile PC is operated with an AC power source.
Total battery power remaining:	98%	

If the battery charge drops below a certain voltage level, a beeping sound will prompt you to save your work and turn off the computer, or connect the AC adapter. The message is :

You should change your battery or switch to outlet power immediately to keep from losing your work.

For Windows 2000/Windows Millenium

In the “**Control Panel**” double click the “**Power Options**” icon to display the “**Power Options Properties**” as shown on the right screen.

Power Scheme

In setting your power options, click on the “**Power Scheme**” tab to select the power scheme most appropriate for you in using your computer.

Settings for Portable/Laptop power scheme

Under this item you are allowed to set the time setting for the system to enter the stand by mode whether you are operating the system by battery or AC power source.

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Under this item, you are also allowed to set the time setting for the system to enter standby mode.

Power Meter

Click on the “**Power Meter**” tab to display the type pf power source you are using to operate your Mobile PC computer.

Current power source:	Batteries	This indicates the Mobile PC
Total battery power remaining:	98%	is operated with battery

Current power source:	AC power	This indicates the Mobile PC
Total battery power remaining:	98%	is operated with an AC power source.

If the battery charge drops below a certain voltage level, a beeping sound will prompt you to save your work and turn off the computer, or connect the AC adapter. The message is :

You should change your battery or switch to outlet power immediately to keep from losing your work.

For Windows 98SE

In the “**Control Panel**” double click the “**Power Management**” icon to display the “**Power Management Properties**” as shown on the right screen.

Power Scheme

In setting your power options, click on the “**Power Scheme**” tab to select the power scheme most appropriate for you in using your computer.

- Home/Office Desk
- Portable/Laptop
- Always On

Settings for Portable/Laptop power scheme

Under this item you are allowed to set the time setting for the system to enter the stand by mode whether you are operating the system by battery or AC power source.

- Turn off monitor

Under this item you are allowed to set the time setting for the system to enter the stand by mode whether you are operating the system by battery or AC power source.

- Turn off hard disks

Under this item you are allowed to set the time setting to turn off the hard disks either operated by battery or AC power source.

Power Meter

Click on the “**Power Meter**” tab to display the type of power source you are using to operate your Mobile PC computer.

Current power source:	Batteries	This indicates the Mobile PC is operated with battery
Total battery power remaining:	98%	
Current power source:	AC power	This indicates the Mobile PC is operated with an AC power source.
Total battery power remaining:	98%	

If the battery charge drops below a certain voltage level, a beeping sound will prompt you to save your work and turn off the computer, or connect the AC adapter. The message is :

You should change your battery or switch to outlet power immediately to keep from losing your work.

AMD PowerNow!™ Technology !

AMD PowerNow!™ Technology ! is an innovative solution available on all AMD mobile processor-based Mobile PCs. This technology can effectively **increase Mobile PC battery life while delivering performance on demand**, offering you the ultimate mobile computing experience.

The Key benefits of AMD PowerNow! Technology are:

1. Lengthens battery life.
2. Provides extra processor performance to source-requiring applications.
3. Allows the processor to dissipate less heat under normal operating conditions, resulting a cooler and quieter-running Mobile PC.

4. Operates automatically in the background.

Control Panel Interface

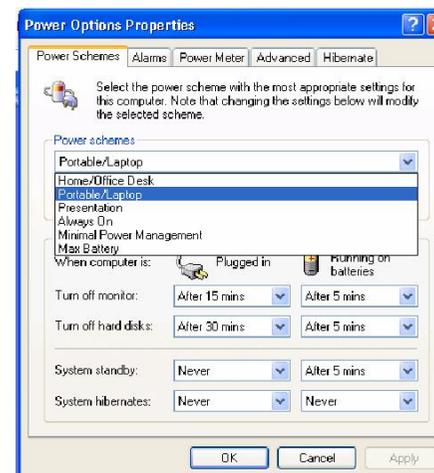
AMD PowerNow!™ Technology and Windows®XP

To take advantage of AMD's power management capabilities, Microsoft integrated support for AMD PowerNow! Technology into its new Windows®XP operating system. The power management control panel in Windows®XP, known as "PowerScheme", 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.

The Windows XP Power Scheme tab gives the user access to the same performance on demand control that you've come to expect from AMD PowerNow! Technology. Schemes are easy to understand, based on Mobile PC usage scenarios, and control not only processor power usage but other system peripherals as well.

Always on mode puts the processor into maximum performance mode. The other schemes control processor performance based on demand.

The screen shot to the right shows an example of the Power Schemes tab found in Power Options Properties of the Windows XP operating system.

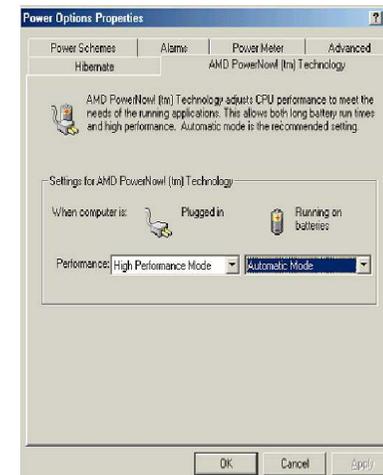


AMD PowerNow!™ technology and other Windows® operating systems

For some Mobile PC 's running previous Microsoft Windows operating systems including Windows 98, Windows Me, and Windows 2000, AMD PowerNow! Technology drivers will be installed at the factory or as an option during the initial system set-up. If your system supports this and if the AMD PowerNow! technology drivers have been installed, a new tab should appear in the Windows power options panel, titled "AMD PowerNow! Technology."

From this tab the user has access to the control of AMD PowerNow! Technology. With the proper settings a user can extend battery life without the worry of whether or not the most performance possible is being provided for each application.

Screen shot to the right shows example of Power Options Properties panel.



Battery Low Warning

When the removable battery pack initially reaches the "Battery Low" state approximately 10 ~ 15 minutes of the usable battery life is left.

You will hear an audible beep signal every 1.5 seconds alerting you to the "Battery Low" status. When the battery power reaches the "Battery Low Low" status the beeping sound will accelerate.

Your battery now has 1 ~ 2 minutes of battery charge remaining. You must save your data or connect AC power immediately; otherwise, you may lose your data.

Sound	Meaning
Continuous beeping every 1 seconds	Battery Low: Indicates that there is 5 to 6 minutes charge remaining.
Beeping accelerates	Battery Low Low: Indicates that there is 1 to 2 minutes of battery charge remaining. Save your work and turn off the Mobile PC , or connect the AC adapter.

Small Battery for the Real Time Clock

There is a small built-in battery pack that supplies power to the system in order to maintain certain system information while the power is off. If the Mobile PC is left without a power source for long period of time, this battery will be exhausted and system information will be lost.



Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions. Never remove the battery pack while the power is on as this may result in data loss when the system loses power.

Resetting the System

After installing a software application package, you may be prompted to reset the system to load the changed operating environment. To reset the system, or “**reboot**,” press the **[Ctrl] + [Alt] + [Delete]** keys simultaneously. This is known as “**warm boot**.” This key combination acts as “**software**” reset switch when you encounter hardware or software problems, which lock up the Mobile PC.

If this key combination does not shut down the Mobile PC, you can reset the Mobile PC by using the Mobile PC’s power button. Should the Mobile PC lock up for some reason, pressing this button over 4seconds powers the Mobile PC off.

Adjusting the Brightness

To adjust the brightness on the LCD screen, press and hold down the **[Fn]** key in the lower left hand corner of the keyboard and press the **[F7]** key to reduce the brightness or **[F8]** to increase the brightness.

Chapter 4

Mobile PC Operation



Your Mobile PC is capable of providing you with efficient and productive mobile computing, it also has the speed and capacity to service as a desktop system.

This chapter discusses those functions of your Mobile PC that are typical of desktop systems.

Audio

The Multimedia Sound System

The Mobile PC 's built-in audio capabilities allow you to take advantage of a wide range of education and entertainment multimedia software. The Mobile PC is equipped with two internal stereo speakers, a microphone, and input audio ports for external audio units.

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

External audio devices can be connected to the Line in jack. All audio features are software controlled. The Mobile PC 's multimedia sound system includes the following features:

- Supports Windows Sound System compatibility
- Full Duplex operation
- Dynamic filtering reduces noise and distortion rate
- 16-bit digitized audio playback
- A built-in microphone for convenient recording
- Two built-in stereo speakers
- Digitized audio recording through the Mobile PC 's built-in microphone or any external source

Audio Volume Control

The Mobile PC is equipped with hot-key volume controls: Pressing the **[Fn] + [F3]** hot-key combination decreases the audio output volume, press the **[Fn] + [F4]** hot-key combination increases the audio output volume.

Audio Software

Your Mobile PC comes equipped with an integrated sound system capable of providing you with quality audio sound through the built-in speakers or through external speakers connected via the system ports.

Sound Recording

Your system allows you to record sounds and store them as files using the microphone via the microphone jack on the rear of the Mobile PC. Check the Windows Help and Support Center in Windows for information on using the various elements in sound recording.

Playing Sound Files

Your Mobile PC can play audio files stored in MIDI, WAVE or MP3 file format. Check the Help and Support Center in Windows for information on the functions of the Media Player.

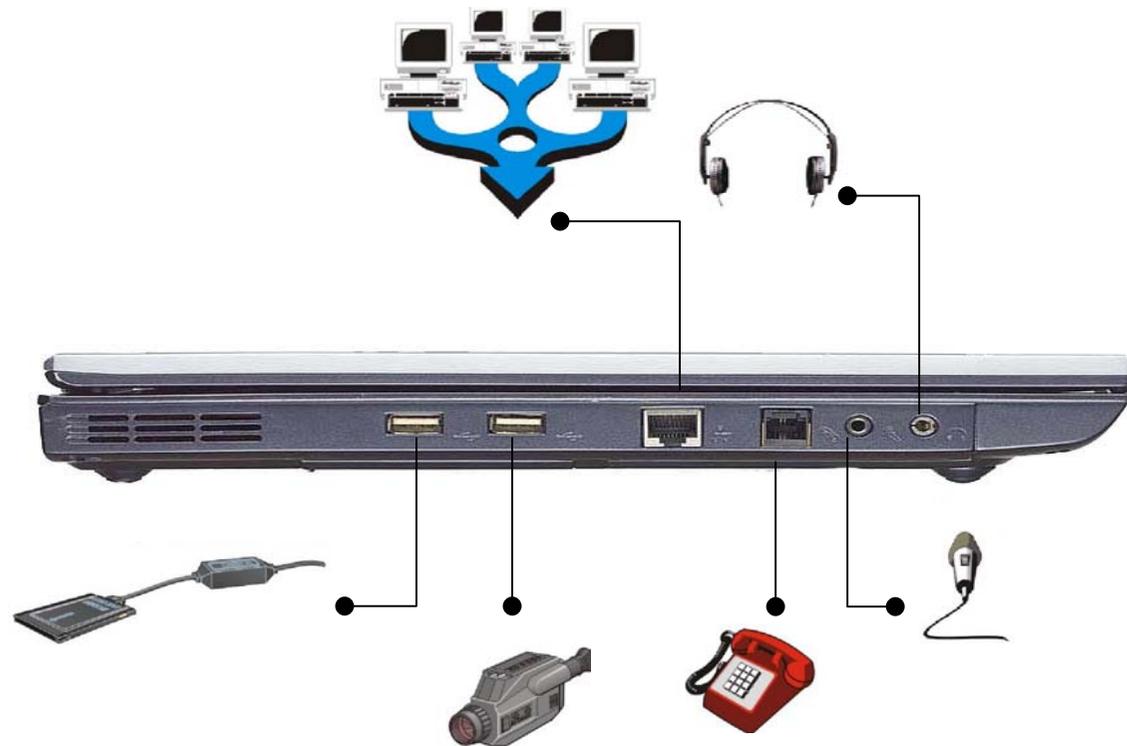
External Speakers and Microphone

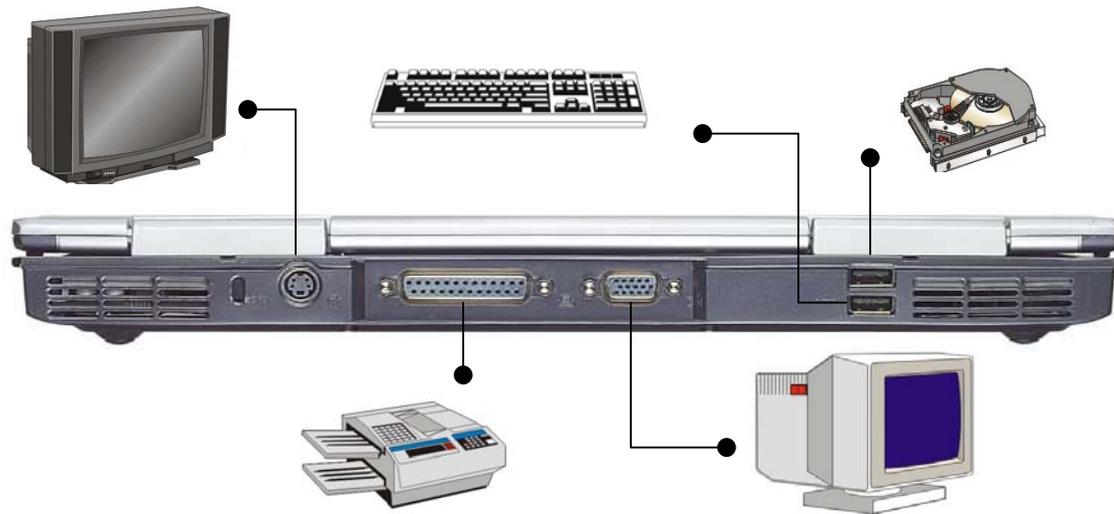
The sound system is capable in providing high-quality sound to external speakers and receiving and processing sounds from an external microphone or external sound source.

Connecting Peripheral Devices

To expand your computing capabilities, you can add a variety of external devices to your computer. You may, for example, want to add a mouse, modem, or a printer.

Connect peripheral devices to the computer's interface ports as shown below:





Chapter 5

Running BIOS Setup



Introduction

The BIOS (Basic Input and Output System) Setup program is a menu driven utility that enables you to make changes to the system configuration and tailor your system to reflect installed hardware or alter system performance. When the Mobile PC is turned back on, the system is configured with the values stored in CMOS.

Navigating through BIOS Setup

The Setup program has been designed to make it as easy to use as possible. If you accidentally make a setting and don't know which one to switch back to, the Setup program has a hot key that allows you to return to the previous value.

Accessing the BIOS Setup Program

To access the BIOS Setup program, press the DEL key after the Mobile PC has run through its POST.

Item Specific Help

On the right side of the Setup screen is an area labeled Item Specific Help. This area will list navigation key shortcuts and information that is specific for the item that you are currently editing.

The Menu Bar

The top of the screen has a menu bar with the following selections:

Standard CMOS Setup

Set the time and date. Configure disk drives.

Advanced CMOS Setup

Configure basic system performance parameters.

Peripheral Setup

Configure I/O support for the Mobile PC.

To access the menu bar items, press the **↑** up or **↓** down arrow key on the keyboard until the desired item is highlighted.

The Legend Bar

At the bottom of the Setup screen you will notice a legend bar. The keys in the legend bar allow you to navigate through the various setup menus.

The following table lists the keys found in the legend bar with their corresponding alternates and functions.

Legend Key	Function
Esc	Jumps to the Exit menu or returns to the Main menu from a submenu.
↑ or ↓	Moves the cursor up and down between fields.
PgUp/PgDn	Set to modify the field selected.
F2/F3	Set the color (8 colors) of the BIOS Setup screen.
F10	Save and Exit.
Enter	Will select a sub menu or show a range of options for a field.

Launching Submenus

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

General Help

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

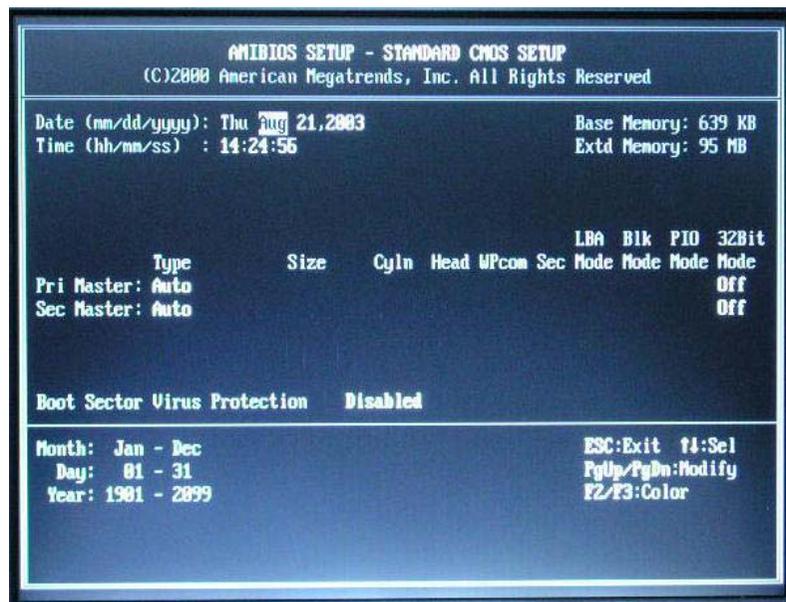
Use the up and down arrow keys (↑↓) to scroll through the entire help document. Press the Home key to display the first page, press End to go to the last page. To exit the help window, press the **[Enter]** or **[Esc]** key.

Save Changes and Exit the Setup Program

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

The Standard CMOS Setup

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



Date/Time

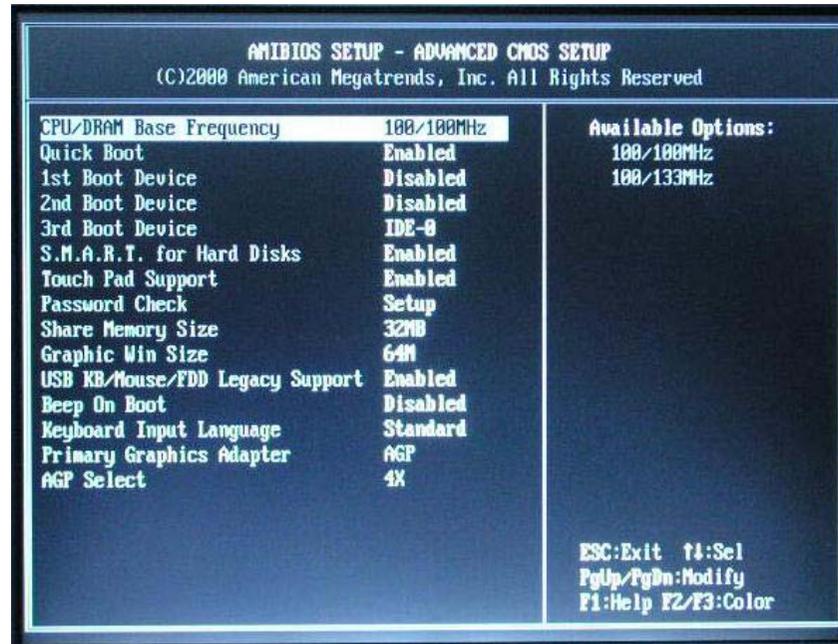
The current values for each category are displayed. Enter new values through the keyboard .

Pri Master, Sec Master

Select one of these hard disk drive icons to configure the hard disk drive named in the option.

The Advanced CMOS Setup

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



CPU/DRAM Base Frequency

Set this option to select the CPU/DRAM base frequency for your system.

- **The settings are 100/100MHz or 100/133 MHz**

Quick Boot

Set this option to Enabled to instruct AMI BIOS to boot quickly when the computer is powered on.

-
- **The settings are Disabled or Enabled (default value)**

1st Boot Device

This option sets the type of device for the first boot drives that the AMIBIOS attempts to boot from after AMIBIOS POST completes.

- **The settings are Disabled, HDD (default value), CD-ROM and USB FDD.**

2nd Boot Device

This option sets the type of device for the second boot drives that AMIBIOS attempts to boot from after AMIBIOS POST completes.

- **The settings are Disabled, HDD, CD-ROM and USB FDD (default value).**

3rd Boot Device

This option sets the type of device for the third boot drives that the AMIBIOS attempts to boot from after AMIBIOS POST completes.

- **The settings are Disabled, HDD, CD-ROM (default value) and USB FDD.**

S.M.A.R.T. for Hard Disks

Set this option to Enabled to permit AMIBIOS to use the SMART (System Management System and Reporting Technologies) protocol for reporting server system information over a network.

- **The settings are Enabled or Disabled (default value).**

TouchPad Support

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

Password Check

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

Share Memory Size

This field shows the share memory size available.

Note:32MB Max, if system memory is 128 MB; 64MB Max, if system memory is over128 MB.

The settings are Enabled (default value) or Disabled.

Graphic Win Size

This field shows the graphic win size available.

- **The settings are 32M/64M (default value) 8M/16M/32M/64M /128M .**

USB Keyboard/Mouse/FDD Legacy Supportt

Set this option to Enabled to enable support for older keyboards and mouse devices if the USB Function option is set to Enabled.

- **The settings are Enabled (default value) or Disabled.**

Beep On Boot

Set this option to Enabled beep sound at POST time.

- **The settings are Enabled or Disabled (default value)**

Keyboard Language Input

Set this option to select keyboard language.

- **The settings are Standard (default value) or Brazil-PT**

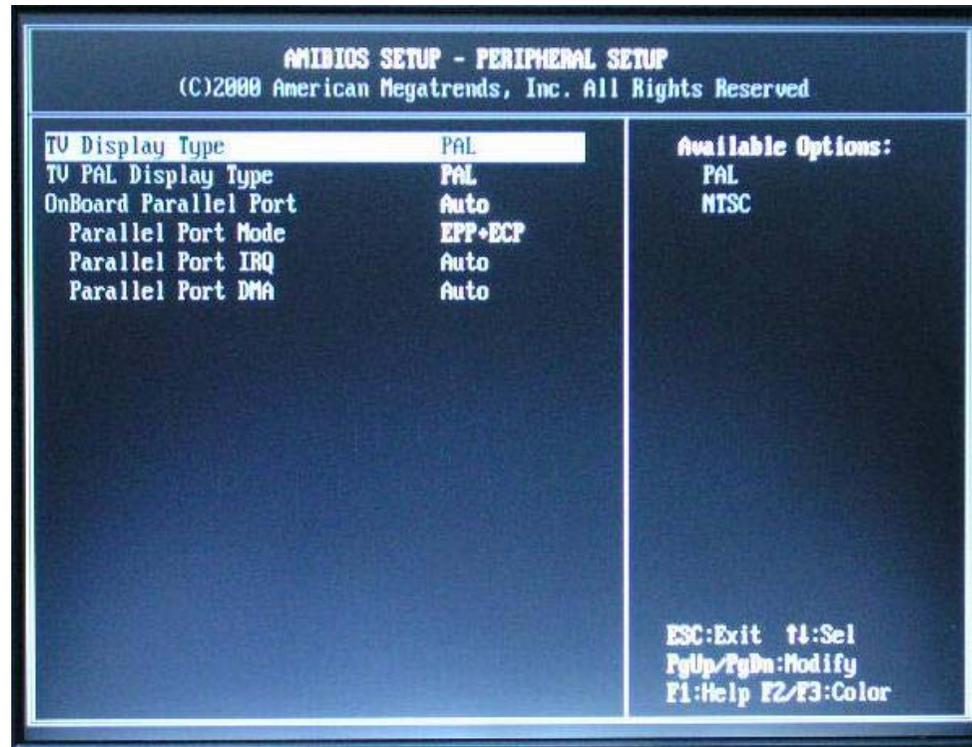
Primary Graphics Adapter

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

AGP Select

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

The Peripheral Setup



TV Display Type

This field allows you to choose the television display option when using the TV out port.

- The settings are PAL, NTSC (default value).

TV PAL Display Type

This field allows you to choose the television PAL system type.

- **The settings are PAL (default value), PAL-M, PAL-N.**

OnBoard Parallel Port

This option specifies the base I/O port address of the parallel port on the motherboard.

- **The settings are Auto, Disabled, 378h, 278h, or 3BCh.**

Parallel Port Mode

This option specifies the parallel port mode.

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

Parallel Port IRQ

This option specifies the IRQ used by the parallel port. This is only a display-only item and cannot be altered.

- **The settings are 5 or 7 (default value).**

Parallel Port DMA Channel

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

Change Supervisor Password

This field allows you to set the Supervisor password. To set the Supervisor password, highlight this field and press the [Enter] key. The following dialog box appears:

Enter new supervisor password:

Auto Configuration with Optimal Settings

The optimal default settings are best-case values that should optimize system performance. To set the configuration, highlight this field and press the [Enter] key. The following dialog box appears:

Load high performance settings [Y/N] ?

Save Settings and Exit

This option saves your selections and exit the Setup program.

Save current settings and exit [Y/N] ?

Exit Without Saving

This option should only be used if you do not want to save the changes you have made to the Setup program.

Quit without saving [Y/N] ?

Chapter 6

The Software Utilities Disks



***USER'S INFO:* There are two separate procedures on how to install the driver: AutoRun installation and Manual installation.**

AutoRun Installation

- Follow the step-by-step procedures on the CD-ROM to execute the “AutoRun” application by selecting the topic of “Driver Installation”.
- To re-run the “AutoRun” installation, please refer to the procedures on the “Manual Installation” for a more detailed explanation.

Installing VGA Display Drivers for Win98/2K/ME/XP

1. Insert the CD-ROM Driver into your CD-ROM/DVD-ROM drive. Click “Start” and Select “Run”.
2. Type the following: D:\VGA\Win2K&XP\setup.exe (for Win2K/XP) or D:\VGA\Win98&ME\setup.exe (for Win98/ME) (If D is not your CD-ROM drive, substitute D with the correct drive letter).
3. Click on “Setup” to begin the Installation Wizard.
4. Follow the Wizard’s on-screen instructions to complete the installation. Restart the system.

Installing Hotkey Drivers for Win98SE

NOTE: *This driver must be installed into your system to fully utilize the hotkey function of Internet, Email, Mute/Unmute, Volume.*

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

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

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

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

-
1. Insert the CD-ROM Driver into your CD-ROM drive. Click “Start” and Select “Run”.
 2. Type the following: D:\Utility\Touchpad\98 & ME\Setup.exe (for Win98SE/ME) or D:\Utility\Touchpad\2K & XP\Setup.exe (for Win2K/XP)(If D is not your CD-ROM drive, substitute D with the correct drive letter)..
 3. Click on “Setup” to begin the Installation Wizard.
 4. Follow the Wizard’s on-screen instructions to complete the installation. Restart the system.

Installing the ENE Driver for Win98SE/2K/Me/XP

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

Intalling the AMD PowerNow!TM Driver for Win98SE/Me/2K

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

Installing the AMD PowerNow!TM Driver for XP

1. Please follow the instructions of auto-run program to install or,
2. Refer to Microsoft support web side to install AMD PowerNow!TM Driver for Windows XP. The web side is <http://support.microsoft.com/default.aspx?scid=kb;en-us;306458>

Manual Installation

To install the driver manually, follow the step-by-step procedures described on each individual section for a more clear installation.

Installing the USB20 Driver for Win2K/WinME/Win98E

To install the USB20 driver you must first remove the currently installed driver.

1. Insert the CD-ROM Driver into your CD-ROM/DVD-ROM drive. Click “Start” and Select “Run”.
2. Type the following:
D:\USB\USB20.exe (If D is not your CD-ROM/DVD-ROM drive, substitute D with the correct drive letter).
3. Click on “USB20” to begin the Installation Wizard. Follow the Wizard’s on-screen instructions to complete the installation.
4. Restart the system

For using WinXP, SiS recommends users to use Windows XP SP1inbox USB2.0 driver.

NOTE: *The procedures mentioned above described if you are installing the driver automatically to search for a suitable driver. Another is option if you are installing the driver manually where you select from a list of known drivers for your system.*

Installing the USB Driver for XP(for WinXP SP1)

Please follow these instructions to install the USB driver:

1. From your screen, click on the "My Computer" icon and use your mouse or touchpad

right button to select the "Properties" item.

2. Click on the "Hardware" tab from the "System Properties" dialog window.
3. Click on the "Other Device" (denoted by a yellow mark symbol), select the "Universal Serial Bus (USB) Controller".
4. Click the "Update Driver" tab and select the "Install the software automatically (Recommended)" item, and select the "Next" .
5. The system starts to search and install the USB driver automatically. After the installation is finished and you click the [Finish] button, you can find "SiS PCI to USB Enhanced Host Controller" under "Universal Serial Bus Controller" directory.

Installing the Wireless LAN Driver for Win98/2K/ME/XP

To install the Hotkey driver you must first remove the currently installed driver.

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

NOTE: *The details of this Wireless Lan installation can be found in the D:*

Installing the LAN Driver for Win2K/WinXP

Please follow these instructions to install the LAN driver:

1. From your screen, click on the "My Computer" icon and use your mouse or touchpad right button to select the "Properties" item.
2. Click on the "Hardware" tab from the "System Properties" window.
3. Click on the "Device Manager" and select the "Ethernet Controller" (denoted by a yellow mark symbol).
4. Click the "Update Driver" tab on the "Driver" item and select the "Next".
5. Select the "Search for a suitable driver for my device (recommended) and click on the "Next" item.
6. Select the "Specify a location", click on the "Next" item.
7. Select the "Browse" button and specify for the designate location of your CD driver.

Installing the LAN Driver for Win98SE/ME

Please follow these instructions to install the LAN driver:

1. From your screen, click on the "My Computer" icon and use your mouse or touchpad right button to select the "Properties" item.
2. Click on the "Device Manager" tab from the "System Properties" window.

-
3. Double click on the "PCI Ethernet Controller (for Win98SE) or "Network Adapter" (for WinME) (denoted by a yellow mark symbol).
 4. Click the "Update Driver" tab on the "Driver" item and select the "Next".
 5. Select the "Specify the location of the driver (Advanced)" item. Select the "Specify a location".
 6. Select the "Browse" button and specify for the designate location of your CD driver.

Installing the Modem Driver for Win2K/XP

Please follow these instructions to install the Modem driver:

1. From your screen, click on the "My Computer" icon and use your mouse or touchpad right button to select the "Properties" item.
2. Click on the "Hardware" tab from the "System Properties" dialog window.
3. Click on the "Other Device" (denoted by a yellow mark symbol), select the "PCI Device" (for Win2K) or "PCI Modem" (for WinXP).
4. Click the "Update Driver" tab and select the "Install from a list or specific location (Advanced)" item.
5. Select the "Include this location in the search" item.
6. Select the "Browse" button from the "Include this location in the search" and specify for the designate location of your CD driver.

Installing the Modem Driver for Win98SE/ME

Please follow these instructions to install the Modem driver:

1. From your screen, click on the "My Computer" icon and use your mouse or touchpad right button to select the "Properties" item.
2. Click on the "Device Manager" and select the "PCI Card" item. Use your mouse cursor to double click the "Reinstall Driver" item.
3. Select the "Specify the location of the driver (Advanced)" and click on the "Specify a location" item.
4. Select the "Browse" button from the "Include this location in the search" and specify for the designate location of your CD driver.

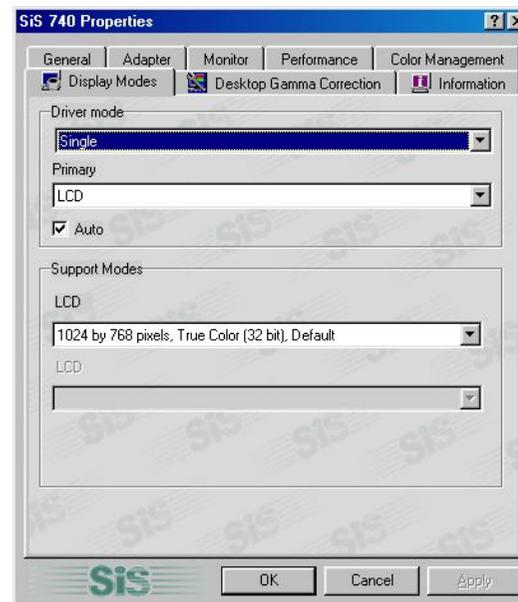
VGA Utilities for Win98

After you have restarted Windows, open the "Control Panel" and double click on the "Display" icon. From the "Display Properties" window, select the "Settings" tab and click on the "Advanced" tab to enter the "SiS 740 Properties" window.

You will notice three new entries have been made in the Display Properties window: Display Modes, Video Setting, and 3D Settings.

Display Modes

The SiS's driver allows five simultaneous outputs to LCD, LCD/CRT, CRT/TV, TV and CRT. Before proceeding, be sure the monitor is connected to the Mobile PC computer.



Driver Mode

This defines the two status of Single, Mirror and Multi Monitor (when an external monitor is connected to your Mobile PC).

- When the "Single" is selected, the display can only be seen on the Mobile PC LCD panel or external monitor or TV.
- When the "Mirror" is selected, you can toggle between the LCD and CRT display or CRT and TV Display. Both the LCD and CRT screen display the same image.

Display Combination

This applies to the display that you prefer to use. The options are VGA and LCD or TV.

REMINDER: The "Auto" tab will serve as additional function of the "Mirror" and "VGA" respectively by removing the ✓ check mark under the "Display Combination" selection field.

- Select the "VGA" if you want the picture to only display on the monitor screen.
- Select "LCD" if you want the picture to only display on the Mobile PC screen.
- Select "TV" if you want the picture to only display on the Mobile PC screen.

NOTE: Use the [Fn] + [F12] hot keys to toggle between the LCD and external monitor display.

If you prefer to use only one display in operating your system, press the [Fn] + [F12] hot keys will shut down the LCD display, external monitor display or both at this random order.

OPTION: Single

This function will only show one single display whether it be on your Mobile PC or external monitor.

OPTION: Mirror (Simultaneous Display)

This function supports two simultaneous display paths with the features of LCD/CRT or CRT/TV).

1. Click on the "Control Panel" and double click on the "Display" icon. Click on the "Settings" tab to enter the "Display Properties" window. Click on the "Advanced" button.
2. From the "SiS 740 Properties" window, click on the "Display Modes" tab
3. Select the "VGA" or "LCD" or "TV" tab by clicking on the button to enable and connect the video display to the external CRT screen.
4. Click on the "Apply" tab and you will be ask to keep the new setting. The Mobile PC and external monitor/TV screen will now simultaneously display the same image.

OPTION: Multi-Monitor

"Multi-Monitor" is only applicable when the function of "Dual View" is being access. This function will only be available if an external monitor is connected to your Mobile PC computer.

Use this to achieve a large desktop display on a small size screen. To do this:

- Adjust the screen resolution by increasing the desktop area in the "Display Area".
- Use your touch pad or mouse cursor to point at any area of the screen to move the window screen to a larger view.

To achieve the "Dual View" function, follow the procedures below:

- 1 Click on the "Control Panel" and double click on the "Display" icon. Click

on the “Settings” tab to enter the “Display Properties” window.

2 Use the cursor to click on the Monitor “2” screen on the sub-screen of the “Display Properties” window.



3 A message is shown on your screen to ask you whether to enable the monitor that you have chosen. Click “Yes” to accept the change.

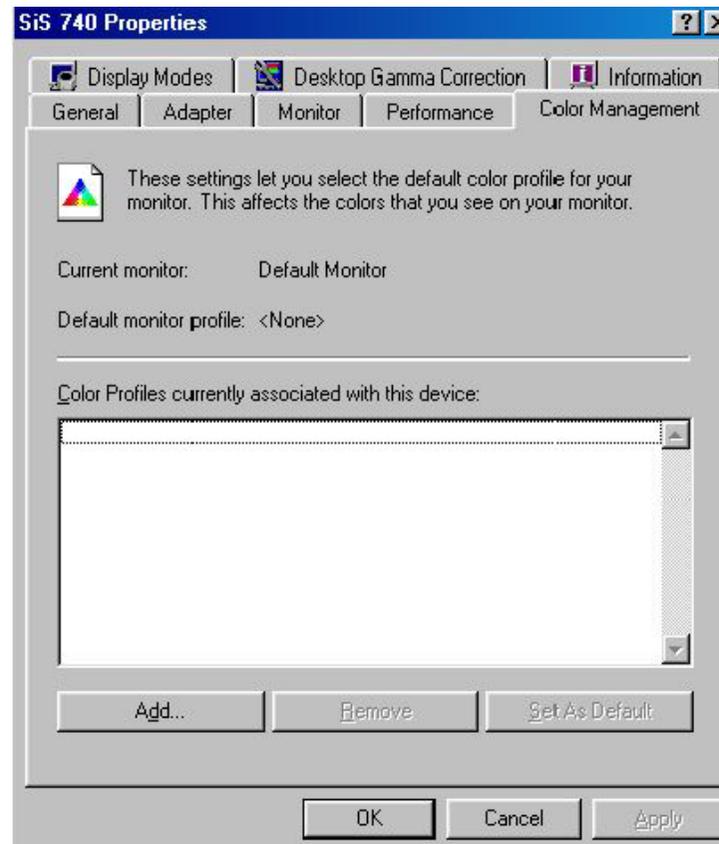
4 Click the “Apply” tab to run the function and restart the computer.

5 After the system has restarted, your Mobile PC LCD screen and the external monitor screen are connected with each other.

6 From the LCD display, open the “Display Properties” and use the cursor to drag it to the right thus moving the image to the external monitor screen.

Video Setting

From the "Setting", you can also adjust the video of your display to overlay, contrast or brightness.



3D Settings

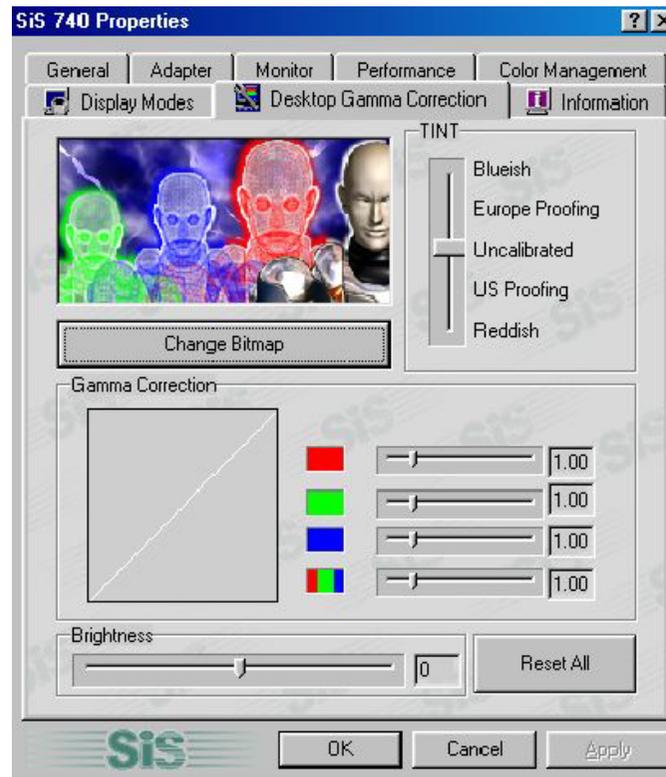
This setting lets you modify the 3D display performance.

D3D

Modify the speed and quality of your 3D display.

Gamma Correction

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



Windows 2000/XP VGA Utilities

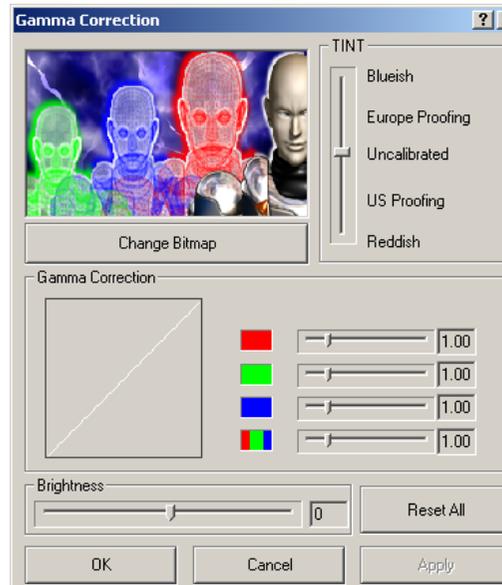
After you have restarted Windows, open the "Control Panel" and double click on the "Display" icon. From the "Display Properties" window, select the "Settings" tab and click on the "Advanced" tab to enter the "SiS 740 Properties" window.

You will notice four new entries have been made in the "Utility Manager" window: Gamma Correction, Video Setting, Driver Mode Setting and Product File Information.

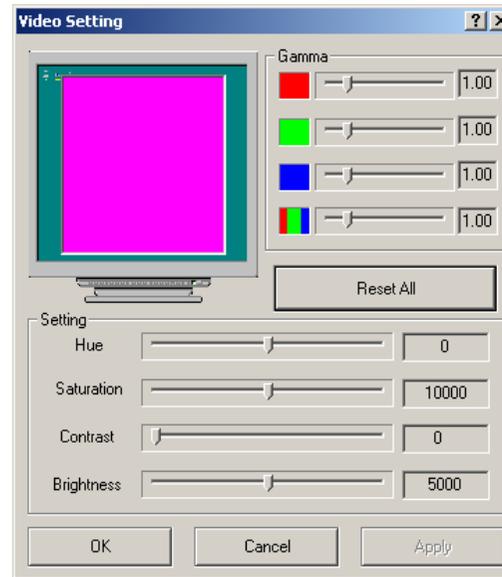


Gamma Correction

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



Video Setting



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

Brightness

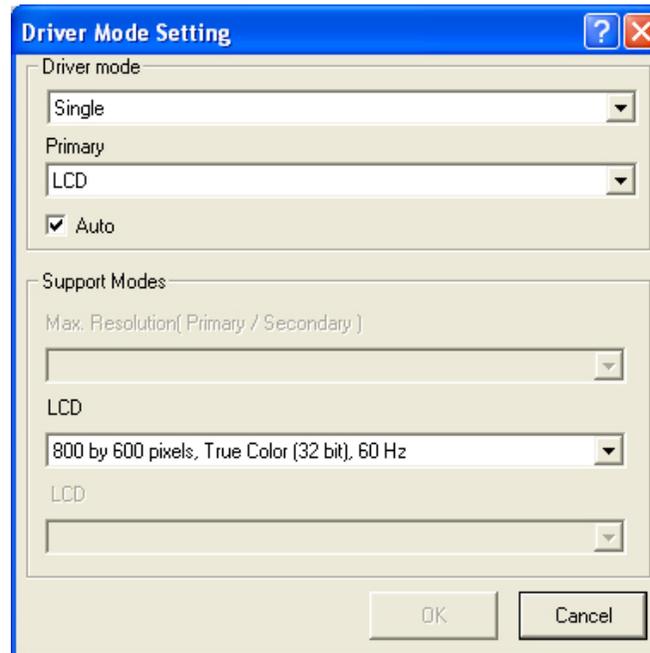
Use this scroll bar to adjust the overall intensity of light emitted by the video display.

Contrast

Use this scroll bar to adjust the contrast level between the bright and dark areas of the video image. The higher the contrast, the brighter the bright areas and the darker the dark areas, and vice versa.

Driver Mode Settings

The SiS's driver allows five simultaneous outputs to LCD, LCD/CRT, CRT/TV, TV and CRT. Before proceeding, be sure the monitor is connected to the Mobile PC computer.



Driver Mode

This defines the three status of Single, Mirror and Multi Monitor (when an external monitor is connected to your Mobile PC).

- When the "Single" is selected, the display can only be seen on the Mobile PC LCD panel or external monitor or TV.
- When the "Mirror" is selected, you can toggle between the LCD and CRT display or CRT and TV Display. Both the LCD and CRT screen display the same image.

Display Combination

This applies to the display that you prefer to use. The options are VGA and LCD and TV.

REMINDER: The "Auto" tab will serve as additional function of the "Mirror" and "VGA1" respectively by removing the ✓ check mark under the "Display Combination" selection field.

- Select the "**VGA**" if you want the picture to only display on the monitor screen.
- Select "**LCD**" if you want the picture to only display on the Mobile PC screen.
- Select "**TV**" if you want the picture to only display on the Mobile PC screen.

NOTE: Use the [Fn] + [F12] hot keys to toggle between the LCD and external monitor display .

If you prefer to use only one display in operating your system, press the [Fn] + [F12] hot keys will shut down the LCD display, external monitor display or both at this random order.

Option 1: Single

This function will only show one single display whether it be on your Mobile PC or external monitor or TV.

Option 2: Mirror (Simultaneous Display)

This function supports two asynchronous simultaneous display paths with the features, LCD/CRT or CRT/TV).

1. Select the "VGA" or "LCD" or "TV" tab by clicking on the button on "Primary" and "Secondary" to enable and connect the video display to the external CRT or TV screen.
2. Click on the "Apply" tab and you will be asked to keep the new setting. The Mobile PC and external monitor/TV screen will now simultaneously display the same image.

Option 3: Multi-Monitor

"Multi-Monitor" is only applicable when the function of "Dual View" is being accessed. This function will only be available if an external monitor is connected to your Mobile PC.

Chapter 7

Troubleshooting



This chapter describes locating and solving problems that you may encounter while using your computer.

Locating a Problem

Problems with your computer can be caused by something as minor as an unplugged power cord – or as major as a damaged hard disk. The information in this chapter is designed to help you find and solve minor problems. If you try all the suggested solutions and you still have a problem, make a list of what steps you have taken to correct the problem and contact your dealer.

Successful troubleshooting is the result of careful observation, deductive reasoning, and an organized approach to solving the problem.

The problems that you will encounter can be divided into two basic categories: hardware problems and software problems. Hardware problems can be further divided into electrical and mechanical problems. You will know you have a hardware problem if the screen is dark, the computer cannot read the disk drives, or you get an error message during the Power-On Self Test (POST).

Software errors can occur at several levels. The ROM BIOS and the operating system can give you a large number of error messages. On top of this, each application software package has its own set of error messages. It is important to determine whether the software error message you are getting is from the application or the operating system. Once you know this, you can look in the respective manual for a solution to the problem.

Checking Cables and Connections

Start by performing a careful visual inspection of the exterior of the computer. If no LEDs are illuminated, make sure that your computer and its peripherals are getting power and communicating with each other properly.

To check the power cables, and connections:

-
1. If you have been using battery power, connect the Mobile PC to an external power source and make sure that the battery has a charge.
 2. If you are using the Mobile PC with the AC adapter, check the power outlet, the power cord, and any power switches that may affect your computer.
 - Check the wall outlet or power strip with an item that you know is functioning properly. A lamp or radio is a convenient item for checking the power. You may also need to check the fuses and breakers in your electric box.
 - If the outlet is controlled by a wall switch, make sure that the switch is on.
 - If the outlet is controlled by a dimmer switch, use a different outlet.
 - If your computer is plugged into a power strip with an On/Off switch, make sure the switch is on.
 3. With the computer's power switched off, check all cable connections. If the computer is connected to any peripheral devices, look for loose or disconnected cables.

If the computer is too close to a wall, a cable connection may be loose or the cables may be crimped.



Do not substitute cables for different devices (other than the manufacturer recommended cables) even if they look exactly alike. The wiring inside the cable may be different.

4. When you are certain that you have power available and all connections are good, turn the computer on again. If the computer still does not start, you may have a hardware problem.

The Power-On Self Test

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

A few seconds after you turn on your computer, a copyright message appears on your display screen. A memory test message appears next; as the test continues, memory size increases until all installed memory is tested. Normally, the only test routine visible on the screen will be the memory test.

Two classifications of malfunctions can be detected during the POST:

- Error messages that indicate a failure with either the hardware, the software, or the *Basic Input/Output System* (BIOS). These *critical malfunctions* prevent the computer from operating at all or could cause incorrect and apparent results. An example of a critical error is microprocessor malfunction.
- Messages that furnish important information on the power-on and boot processes (such as memory status). These *non-critical malfunctions* are those that cause incorrect results that may not be readily apparent. An example of a non-critical error would be a memory chip failure.

In general, if the POST detects a system board failure (a critical error), the computer halts and generates a series of beeps. If failure is detected in an area other than the system board (such as the display, keyboard, or an adapter card) an error message is displayed on the screen and testing is stopped. It is important to remember that the POST does not test all areas of the computer, only those that allow it to be operational enough to run diagnostic programs.

If your system does not successfully complete the POST, but displays a blank screen, emits a series of beeps, or displays an error code, consult your dealer.

General Hardware Problems

A few common hardware problems and suggested solutions are presented in the table below:

Problem: **Failure in the installation of the Audio driver.**

Solution: Be sure to first remove the current audio device from your system. Please follow the instruction on the installation of audio driver.

Problem: **The display screen is dark**

Solution: Make sure that the computer is not in Suspend mode. Check the Brightness controls for the screen. If the controls are turned too far down, the screen will be dark.

Problem: **An incorrect date and time are displayed.**

Solution: Correct the date and time using the DOS DATE and TIME commands or the options in the Setup Utility. If the date and time become incorrect after a short time, your CMOS battery may be depleted. Contact your dealer to change the battery.

Problem: **The message: “Invalid system disk, Replace the disk, and then press any key” appears during boot.**

Solution: Check and make sure that you do not have a non-bootable floppy diskette inserted in your floppy drive. If your USB FDD is empty, you may not have an operating system installed on your drive. Contact technical support for assistance.

Problem: **You hear irregular beeps during operation of the Mobile PC**

and the system halts.

Solution: The problem is beyond the scope of this manual. Contact technical support.

Problem: **An unidentified message is displayed.**

Solution: Reboot the computer and run the BIOS system setup. Confirm the Setup parameters. If the same message is displayed after booting up again, contact technical support for assistance.

Problem: **The system cannot access the CD-ROM/DVD-ROM drive.**

Solution: Check that a CD is properly inserted in the drive. Make sure that you are using the correct program for that kind of CD. For example, the system cannot read a data CD using an audio program.

Problem: **You cannot operate the printer.**

Solution: Check the printer cable connection. Ensure that the printer power switch is turned on. Confirm that the printer is on-line.

Problem: **You can't save data to disk.**

Solution: Ensure that the disk has been formatted. Consult your operating system manual for information on formatting floppy diskettes.

Problem: **The diskette is write-protected.**

Solution: Eject the diskette, remove the write protection, and try again.

Problem: **The diskette is full.**

Solution: Try using another diskette or free up some space on the diskette. The disk drive is not operating. Contact your dealer for support.

Problem: **You cannot use the mouse.**

- Check the cable connection.
- Check the mouse with another application to see if there is a software incompatibility problem.
- If possible, check the mouse with another computer to see if it works. If it doesn't operate on a different system, the mouse might be broken.

Contacting Your Dealer

If you still have a problem after reading the preceding sections, the next step is to contact your dealer. Your dealer can determine if the problem is something that requires the computer to be taken to the shop. Before you call your dealer, however, prepare the following information:

- How is your computer configured? Your dealer needs to know what peripheral devices you are using.
- What messages, if any, are on the screen?
- What software were you running at the time?
- What have you done already to try to solve the problem? If you have overlooked a step, your dealer may be able to solve the problem over the phone.

Chapter 8

Upgrading your System



Upgrading your Memory

Refer to the following instructions and illustration for information on upgrading your Mobile PC 's memory.



1. Turn off the computer and disconnect the AC adapter and all peripherals.
2. Turn the Mobile PC over so that the rear ports are facing you and locate the memory module compartment.

3. Remove the screws that secure the RAM module compartment cover and set it aside in a safe place.
4. Remove the compartment cover and then angling it up and out.
5. If you need to install a higher capacity module, gently push the edge clips on both sides to release the module. Angle the card slightly upward and gently slide it from its edge connector slot. Store the card in the anti-static bag that contains your new module(s).
6. To install the new memory card, hold the card with its gold edge connector toward the edge connector slot of the compartment. To help you orient the cards, the edge connector has been made with two unequal-length sections. You will only be able to insert the card in one direction.
7. Insert the edge connector into the slot. The gold edge connector of the card should not be visible when the card is fully inserted.
8. Press the card downward where you should hear an audible click as the latches of the connector secure the card in place.
9. Once the module is properly seated, you can replace the cover on this compartment.
10. Replace and tighten the screw.

The Easy to Upgrade HDD Module

You can easily swap the hard drive in your Mobile PC computer for a new one. You should back up your hard drive before swapping the hard drive.



Make sure that before you install a new drive, all the files in your system should be backed up.

To upgrade your Hard Drive

1. Power down the system completely. Turn the system over with the front of the unit facing you.
2. Remove the three screws that secure the compartment cover and set them in a safe place.
3. Slide the HDD cover away from the compartment.



4. The drive is attached to a special bracket that secures it to the Mobile PC computer. There are 4 screws hold the bracket. Remove the screws and set them in a safe place.
5. Push the HDD slightly in the direction of the arrow as shown in the illustration to release it from the pins of the drive.
6. Gently hold the grip of the HDD, lift it up to release from its compartment.



7. To install the new HDD, you will need to align the tabs on the drive bracket with the slots on the bay. Press down gently on the drive bracket until it engages with the system. Do not force the drive into place this can bend the pins on the hard drive.
8. Slide the compartment cover into place and be sure the screw holes on the cover align completely with the screw holes in the case.
9. Secure the cover with the three screws.

Appendix A

Specs & Support



Detailed Mobile PC Specifications

CPU

- AMD Mobile Duron™ 1 GHz CPU.
- 462 pin ceramic CPGA package.
- With AMD Power Now!™ technology.

Core Logic

- North Bridge SiS 740, South bridge SiS962L
- USB 2.0 compatible

Memory

Main Memory

- 128 MB DDR-RAM memory on board.
- One 200 pin SO-DIMM type memory slots
- 2.5V TSOP DRAM.
- Supports DDR266 DDR-RAM

ROM

- 2MB Flash ROM

Mass Storage

HDD

- HDSupport Enhanced IDE (PIO mode 4) and ATA5 (Ultra DMA 33/66/100 mode) 20GB Hard Drive
- Easily up-gradable 2.5" 9.5mm HDD

Module Bay

- 8x DVD-ROM Drive; 5.25" 12.7mm height
- Fast IDE and ATAPI interface DVD-ROM Drive

Pointing Devices

- Synaptics TouchPad
- Support four way scrolling feature

Keyboard

- US/Europe, DOS/V keyboard for Japan, full size keyboard alike pitch
- 300 mm keyboard with key stroke 3.0mm
- Twelve function keys and Windows Function key
- Internal keyboard works a standard 101/102 desktop keyboard
- 2 short-cut keys: WWW & eMail

Audio

- Dual full-duplex Direct Sound Channels
- 18-bit ADC & DAC resolution
- AC'97 2.2 & PC2001 compliant
- W/SPDIF cable output for 5.1 channel decoder

I/O Ports

- One parallel port supported EPP/ECP (25-pin female D-connector)
- One S-video TV out port for TV
- One DC input port for External AC adapter (2-pin DC jack)
- One video port for external analog VGA monitor (15-pin female D-connector)
- USB 2.0 port x 4
- MIC-in, headphone jack w/ adaptor for 5.1 channel SP/DIP support
- RJ-11 jack for Fax/Modem
- RJ-45 jack for LAN

Video System

Controller

- SiS 962L AGP4X.
- 539-Balls BGA package.

Display

- 14.1" XGA+ TFT --- QDI QD141X1LH03 and Hyundai HT14X13-102

Electrical

AC Adapter

- External universal type AC adapter, output maximum 60W

Battery

- 4-cell Li-Ion battery pack (32.56Whr/2200mAh)
- 8-cell Li-Ion battery pack (53.28Whr/3600mAh)
- User interchangeable
- Removable and rechargeable

Dimension

- 333.3 mm (W)x 274.8 mm (D) x 36.55 mm (H)
- 13.14" (W) x 10.78" (D) x 1.33"(H)

Weight

- 2.7kg (5.9 lbs) with 14.1" panel, 4 cell battery and DVD-ROM Drive installed

Operating Environment

Temperature

- Operating: 5°C ~ 35°C
- Storage: -20°C ~ 60°C

Humidity

- Operating: 30% ~ 90% (non-condensing)
- Non-operating: 10% ~ 90% (non-condensing)

Altitude

- Operating: -200 to 10,000 feet above sea level

-
- Non-operating: -200 to 30,000 feet above sea level.

Accessories

- Quick Guide
- Driver CD
- AC adapter
- Power cord
- Phone cord
- Battery pack

Software Specifications

System Software

- System BIOS: AMI BIOS
- Supported Operating Systems
 - Optional Windows 98SE
 - Optional Windows XP or above version
 - Optional Windows ME or above version
 - Optional Windows 2000 or above version
- Standard Software Drivers
 - VGA driver
 - Audio driver
 - TouchPad driver
 - Modem driver
 - LAN driver

- Wireless LAN driver
- USB20 driver

Contact Information

If you are still experiencing problems with your computer system, please try our website at:
www.fryssupport.net

Here, you will find the latest FAQ's and latest driver downloads/bios updates for your system. If you cannot find the answers to your questions, there is a form that you can email us at on the website.

support@fryssupport.net

You can also call our support line at:

1-800-775-1116

Monday thru Friday; 9 AM to 5 PM

Warranty Information

EXCEPT AS EXPRESSLY STATED IN THIS LIMITED WARRANTY, GQ MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESSED OR IMPLIED INCLUDING BUT NOT LIMITED TO: ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND SUITABILITY FOR ANY PARTICULAR PURPOSE. GQ EXPRESSLY DISCLAIMS ALL WARRANTIES AND CONDITIONS THAT ARE NOT STATED IN THIS LIMITED WARRANTY STATEMENT.

The limited warranty on you GQ computer system covers parts and labor against defects in material or workmanship for a period of ninety days from the original date of purchase.

Labor: For a period of Ninety (90) calendar days from the date of purchase, GQ will repair the defects in the Computer System at no charge. After the Ninety (90) day period is over, you will be responsible for all labor charges related to the repair of your GQ computer system.

Parts: For a period of Ninety (90) calendar days from the date of purchase, GQ will supply, at no charge, new or rebuilt (at GQ's sole discretion) replacement parts in exchange for defective parts. Any replaced parts will be warranted for the remainder of the original warranty period. All defective parts replaced under this limited warranty become the property of GQ.

This limited warranty covers only the hardware components packaged with the computer system. It does not cover technical assistance for hardware

or software usage. It does not cover ANY software package whether or not it is contained in the product.

Proof of purchase in the form of a “Bill of Sale/ Invoice” (which is evidence that the product is within the warranty period) must be presented to obtain warranty service.

With respect to any and all service provided, it is YOUR responsibility to backup the contents of your hard drive, including any personal data and software that you have installed on the hard drive. It is very likely that the contents of the hard drive will be reformatted or erased in the course of service and GQ will not, under any circumstances, be responsible for any damage to or loss of software programs, personal/business data and/or any other information stored on any media or any part of the product serviced.

IF DURING THE REPAIR OF THE PRODUCT THE CONTENTS OF THE HARD DRIVE ARE ALTERED, DELETED, OR IN ANY WAY MODIFIED, GQ IS NOT RESPONSIBLE WHATSOEVER. GQ'S ONLY OBLIGATION WILL BE TO RETURN THE MACHINE TO ITS ORIGINAL STATE AS IT WAS WHEN ORIGINALLY PURCHASED. (SUBJECT TO SOFTWARE AVAILABILITY)

This limited warranty does not cover any third party parts or software added to the product after purchase or any damage caused to the product by the installation of such third party products. Further, this limited warranty does not cover any physical damages, cosmetic damages, loss to any software programs or any other electronically stored data or damage due to (a) acts of God, misuse, abuse, negligence, commercial use or modifications to this

product, (b) improper operation or maintenance of this product, (c) connection to improper voltage supply, (d) attempted repair by any party other than a GQ authorized service center or (e) tampering with the internal components. This limited warranty does not apply when the malfunction results from the use of this product in conjunction with accessories, components, products or ancillary or peripheral equipment where it is determined by GQ that there is no fault with the product itself, but rather the problem is with the accessories, components, products or ancillary or peripheral equipment .

This limited warranty is invalid if the factory applied serial number is missing or has been altered or defaced in any way.

Repair or replacement of defective parts or hardware provided under this limited warranty is the exclusive remedy of the consumer. GQ WILL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESSED OR IMPLIED WARRANTY, BREACH OF CONTRACT, NEGLIGENCE, STRICT LIABILITY OR ANY OTHER LEGAL THEORY RELATED TO THIS PRODUCT. SUCH DAMAGES INCLUDE, BUT ARE NOT LIMITED TO: LOSS OF PROFITS, LOSS OF REVENUE, LOSS OF DATA, LOSS OF USE OF THE PRODUCT OR ANY ASSOCIATED EQUIPMENT, DOWNTIME, AND PURCHASER'S TIME; EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW.

In some states or countries/regions some exclusions or limitations of this limited warranty may not apply to you.