System Utilities

BIOS Setup Utility

The BIOS Setup 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 Setup. Please also refer to Chapter 4 Troubleshooting when problem arises.

To activate the BIOS Utility, press [2] during POST (when "Press <F2> to enter Setup" message is prompted on the bottom of screen).

Press to enter setup. The default parameter of F12 Boot Menu is set to "disabled". If you want to change boot device without entering BIOS Setup Utility, please set the parameter to "enabled".

Press <F12> during POST to enter multi-boot menu. In this menu, user can change boot device without entering BIOS SETUP Utility.

PhoenixBIOS Setup Utility					
Information	Main	Advanced	Security	Boot	Exit
CPU Type : CPU Speed : HDD Model Name : HDD Serial Number : ATAPI Model Name :	1.66GHz None	tel (R) CPU			
ATAPI Serial Number BIOS Version: VGA BIOS Ver Serial Number	V1.10 Intel V125	6 ××××××××××××××××××××××××××××××××××××		22 Byte	
Asset Tag Number Produce Name Manufacturer Name: UUID:	N/A TravelMate Acer	e 4200	(XXXXXXXX	32 Byte 16 Byte 16 Byte 32 Byte	
	elect Item		nange Values		F9 Setup Defaults
	elect Menu		elect ► Sub-N	/lenu	F10 Save and Exit

Navigating the BIOS Utility

There are six menu options: Info., Main, System Devices, Security, Boot, and Exit.

Follow these instructions:

To choose a menu, use the cursor left/right keys (☐ ☐).
To choose a parameter, use the cursor up/down keys (1).
To change the value of a parameter, press sor s.
A plus sign (+) indicates the item has sub-items. Press [ENTE] to expand this item.
Press so while you are in any of the menu options to go to the Exit menu.
In any menu, you can load default settings by pressing . You can also press to save any changes made and exit the BIOS Setup Utility

NOTE: You can change the value of a parameter if it is enclosed in square brackets. Navigation keys for a particular menu are shown on the bottom of the screen. Help for parameters are found in the Item Specific Help part of the screen. Read this carefully when making changes to parameter values. **Please note that system information is subject to different models**.

Information

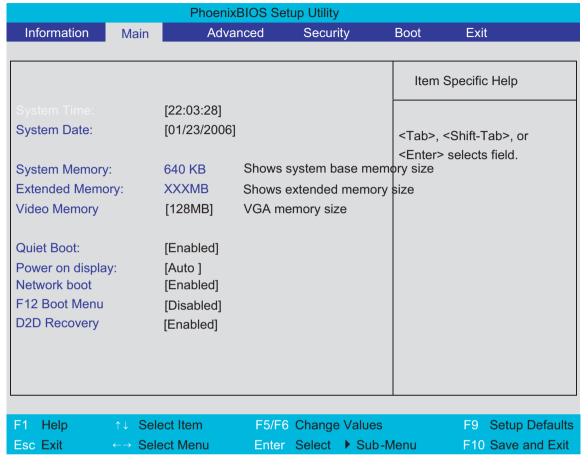
	Phoen	ixBIOS Setup	Utility		
Information	Main	Advanced	Security	Boot	Exit
CPU Type: CPU Speed: HDD Model Name: HDD Serial Number: ATAPI Model Name: ATAPI Serial Number BIOS Version: VGA BIOS Ver Serial Number Asset Tag Number Produce Name Manufacturer Name: UUID:	V1.10 Intel V1256 xxxxxxxxxxx N/A Aspire 5650 Acer	(R) CPU CXXXXXXXXXX /TravelMate 42		22 Byte 32 Byte 16 Byte 16 Byte 32 Byte	
F1 Help ↑↓ S	elect Item	F5/F6 Ch	nange Values		F9 Setup Defaults
Esc Exit ←→ S	elect Menu	Enter Se	elect ▶ Sub-M	enu	F10 Save and Exit

NOTE: The system information is subject to different models.

Parameter	Description
CPU Type	This field shows the CPU type and speed of the system.
IDE1 Model Name	This field shows the model name of HDD installed on primary IDE master.
IDE1 Serial Number	This field displays the serial number of HDD installed on primary IDE master.
IDE2I Model Name	This field displays the mofel name of devices installed on secondary IDE master. The hard disk drive or optical drive model name is automatically detected by the system.
IDE2 Serial Number	This field shows the serial number of devices installed on secondary IDE master.
System BIOS ver	Displays system BIOS version.
VGA BIOS Ver	This field displays the VGA firmware version of the system.
KBC Ver	This field shows the keyboard
Serial Number	This field displays the serial number of this unit.
Asset Tag Number	This field displays the asset tag number of the system.
Product Name	This field shows product name of the system.
Manufacturer Name	This field displays the manufacturer of this system.
UUID Number	This will be visible only when an internal LAN device is presenting. UUID=32bytes

Main

The Main screen displays a summary of your computer hardware information, and also includes basic setup parameters. It allows the user to specify standard IBM PC AT system parameters.



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

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

Parameter	Description	Format/Option
System Time	Sets the system time. The hours are displayed with 24-hour format.	Format: HH:MM:SS (hour:minute:second) System Time
System Date	Sets the system date.	Format MM/DD/YYYY (month/day/ year) System Date
System Memory	This field reports the memory size of the system. Memory size is fixed to 640MB	
Extended Memory	This field reports the memory size of the extended memory in the system. Extended Memory size=Total memory size-1MB	
VGA Memory	Shows the VGA memory size. VGA Memory size=64/128MB	
Quiet Boot	Determines if Customer Logo will be displayed or not; shows Summary Screen is disabled or enabled. Enabled: Customer Logo is displayed, and Summary Screen is disabled. Disabled: Customer Logo is not displayed, and Summary Screen is enabled.	Option: Enabled or Disabled
Power on display	Auto: During power process, the system will detect if any display device is connected on external video port. If any external display device is connected, the power on display will be in CRT (or projector) only mode. Otherwise it will be in LCD only mode. Both: Simultaneously enable both the integrated LCD screen and the system's external video port	Option: Auto or Both
Network Boot	(for an external CRT or projector). Enables, disables the system boot from LAN (remote server).	Option: Enabled or Disabled
F12 Boot Menu	Enables, disables Boot Menu during POST.	Option: Disabled or Enabled
D2D Recovery	Enables, disables D2D Recovery function. The function allows the user to create a hidden partition on hard disc drive to store operation system and restore the system to factory defaults.	Option: Enabled or Disabled

NOTE: The sub-items under each device will not be shown if the device control is set to disable or auto. This is because the user is not allowed to control the settings in these cases.

Advanced

The Advanced screen contains parameters involving your hardware devices. It also provides advanced settings of the system.

PhoenixBIOS Setup Utility					
Information Ma	ain Advanced	Security	/	Boot	Exit
Infrared Port (FIF	[Enabled]			Item Sp	pecific Help
				using opt [Disable] No col	nfiguration
F1 Help ↑↓	Select Item	F5/F6 Change	Values		F9 Setup Defaults
		Enter Select			F10 Save and Exit

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

	Description	Option
Infrared Port	Configure serial port B using options:	Disabled
	[Disabled]: No configuration	Enabled
	[Enabled]: User configuration	Auto
	[Auto]: BIOS or OS chooses configuration	
	(OS Controlled) Displayedd when controlled by OS	

Security

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

PhoenixBIOS Setup Utility						
Information I	Main Adv	/anced	Security	E	3oot	Exit
					Item S	Specific Help
Supervisor Password User Password Is: HDD Password Is:	lls:	Clear Clear Clear			·	sor Password
Set Supervisor Passv Set User Password Set Hdd Password		[Enter] [Enter] [Enter]			controls accesses of the whole setup utility. It can be used to boot up when Password	
Password on Boot		[Disabled]			on boot i	is enabled.
F1 Help ↑↓	Select Item	F5/F	6 Change	Values		F9 Setup Defaults
Esc Exit ←→	Select Menu	Ente	r Select	▶ Sub-N	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	Option
User Password is	Shows the setting of the user password.	Clear or Set
Supervisor Password is	Shows the setting of the Supervisor password	Clear or Set
Set User Password	Press Enter to set the user password. When user password is set, this password protects the BIOS Setup Utility from unauthorized access. The user can enter Setup menu only and does not have right to change the value of parameters.	
Set Supervisor Password	Press Enter to set the supervisor password. When set, this password protects the BIOS Setup Utility from unauthorized access. The user can not either enter the Setup menu nor change the value of parameters.	
Primary HardDisk Security	Enables or disables primary hard disk security function.	
Password on Boot	Defines whether a password is required or not while the events defined in this group happened. The following sub-options are all requires the Supervisor password for changes and should be grayed out if the user password was used to enter setup.	Disabled or Enabled

NOTE: When you are prompted to enter a password, you have three tries before the system halts. 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 as you set the user or the supervisor password:

1. Use the 1 and keys to highlight the Set Supervisor Password parameter and press the key. The Set Supervisor Password box appears:

Set Supervisor Pass	sword	>
Enter New Password]]
Confirm New Password	[]

2. Type a password in the "Enter New Password" field. The password length can not exceeds 8 alphanumeric characters (A-Z, a-z, 0-9, not case sensitive). Retype the password in the "Confirm New Password" field.

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

- 3. Press ENTER .
 - After setting the password, the computer sets the User Password parameter to "Set".
- 4. If desired, you can opt to enable the Password on boot parameter.
- 5. When you are done, press me to save the changes and exit the BIOS Setup Utility.

Removing a Password

Follow these steps:

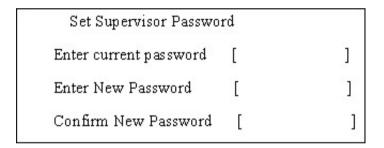
1. Use the 1 and 1 keys to highlight the Set Supervisor Password parameter and press the key. The Set Password box appears:

Set Supervisor Passwo	rd	
Enter current password	[]
Enter New Password	[]
Confirm New Password	[]

- 2. Type the current password in the Enter Current Password field and press [street].
- 3. Press without typing anything in the Enter New Password and Confirm New Password fields. The computer then sets the Supervisor Password parameter to "Clear".
- 4. When you have changed the settings, press 🖻 to save the changes and exit the BIOS Setup Utility.

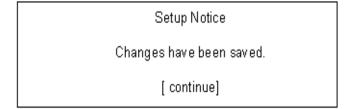
Changing a Password

1. Use the 1 and 1 keys to highlight the Set Supervisor Password parameter and press the key. The Set Password box appears:



- 2. Type the current password in the Enter Current Password field and press [see].
- 3. Type a password in the Enter New Password field. Retype the password in the Confirm New Password field.
- 4. Press [see]. After setting the password, the computer sets the User Password parameter to "Set".
- 5. If desired, you can enable the Password on boot parameter.
- 6. When you are done, press
 ☐ to save the changes and exit the BIOS Setup Utility.

If the verification is OK, the screen will display as following.



The password setting is complete after the user presses

□.

If the current password entered does not match the actual current password, the screen will show you the Setup Warning.

Setup Warning

Invalid password

Re-enter Password

[continue]

If the new password and confirm new password strings do not match, the screen will display the following message.

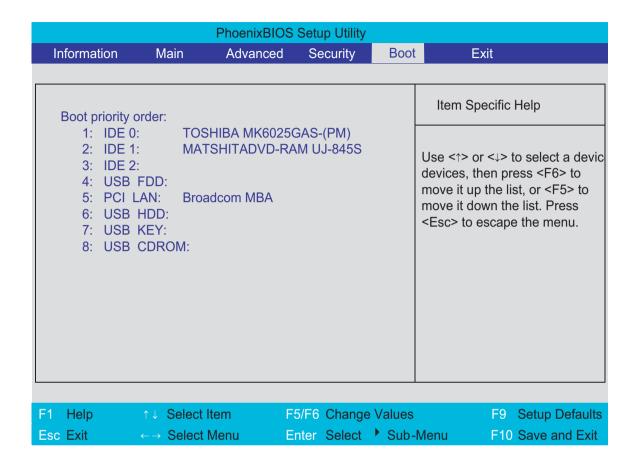
Setup Warning

Password do not match

Re-enter Password

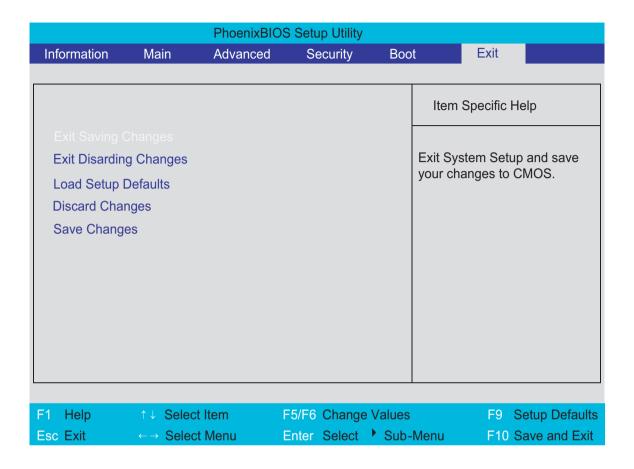
Boot

This menu allows the user to decide the order of boot devices to load the operating system. Bootable devices includes the distette drive in module bay, the onboard hard disk drive and the CD-ROM in module bay.



Exit

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



The table below describes the parameters in this screen.

Parameter	Description
Exit Saving Changes	Exit System Setup and save your changes to CMOS.
Exit Discarding Changes	Exit utility without saving setup data to CMOS.
Load Setup Default	Load default values for all SETUP item.
Discard Changes	Load previous values from CMOS for all SETUP items.
Save Changes	Save Setup Data to CMOS.

BIOS Flash Utility

The BIOS flash memory update is required for the following conditions:

- New versions of system programs
- New features or options
- Restore a BIOS when it becomes corrupted.

Use the Phlash utility to update the system BIOS flash ROM.

NOTE: If you do not have a crisis recovery diskette at hand, then you should create a Crisis Recovery

Diskette before you use the Phlash utility.

NOTE: Do not install memory-related drivers (XMS, EMS, DPMI) when you use the Phlash.

NOTE: Please use the AC adaptor power supply when you run the Phlash utility. If the battery pack does not contain enough power to finish BIOS flash, you may not boot the system because the BIOS is not completely loaded.

Fellow the steps below to run the Phlash:

First, you have to create a crisis diskette. Follow the steps to create a crisis diskette.

- 1. Insert a floppy disk to the notebook under Windows mode.
- 2. Execute "wincris.exe"
- 3. Wait for few minutes. The process will completed automatically.

After you have created crisis diskette, you can then recovery the fail system.

- 1. Insert the Crisis diskette to the computer.
- 2. Press Fn+Esc and power on the sytem.
- 3. The systme will execute the file automatically. Wait for few minutes the system will reboot as the entire process completed.