

PC System – Windows® Installation Guide

Table of Contents

Configuring the Bios.....	Page 3
Installing Microsoft Windows.....	Page 5
Section A – Windows XP.....	Page 6
Section B – Windows 2000.....	Page 8
Section C – Windows ME.....	Page 11
Section D – Windows 98.....	Page 12
Installing Device Drivers.....	Page 14
Reinstalling the Linux OS.....	Page 16
Technical Support.....	Page 16

Microsoft and Windows are registered trademarks of the Microsoft Corporation.

****IMPORTANT** Please read this guide before using your pc. This contains updated information for the system.**

Before you use your new PC, read this:

Congratulations on your purchase of our Personal Computer. You will find this complete system includes a keyboard, mouse, and speakers right out of the box. Additionally, this system also comes preinstalled with a free Linux system. With this version of Linux, you will be able to surf the internet, check your email, and even play mp3's. This is only a limited version of Linux however. Any device drivers that need to be installed for your peripherals (ie. Scanners, printers, digital cameras, etc..) will *not* be supported by us. You will need to download these from the equipment manufacturers, or use third party software found on the internet. If you like using this limited version of Linux, and would like to purchase a full version of Linux, please consider any of the following Linux OS.

Red Hat Linux™

Linux Mandrake 8.0 Standard™

SuSe Linux 7.2 Personal Edition™

Additionally, it is possible to install Microsoft Windows (98/ME/2000/XP) on this system, if you own the Full Version of the Windows system you wish to install. Note: It will not be possible to install Windows on this system using an Upgrade version.

Instructions for Installing Windows

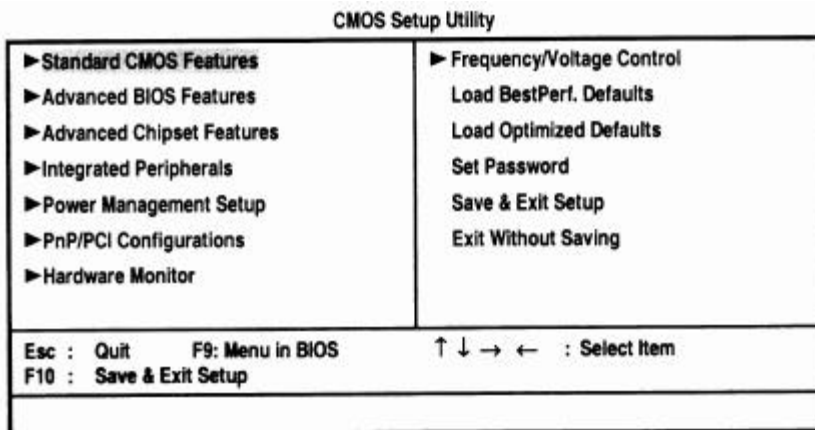
Things you will need:

- Windows Installation Disks (98/2000/ME/XP)
- Linux Erase Utility Floppy Disk (Windows 98 & ME only)

Step 1 – Configuring the BIOS

In order to properly install an operating system, the BIOS (Basic Input/Output System) must be configured to boot from the Floppy Drive First, The CD-ROM Second and the Hard Drive third. In order to do this, the following steps are required:

1. Enter the Bios by pressing the **<Delete>** key as your system powers on. Note: It is a good idea to press the **<Delete>** key multiple times until the BIOS menu opens up. If you press the **<Delete>** key too late, you will need to Re-Boot the computer and try again. When you have done it correctly, the following screen will be visible.



BIOS Menu Screen

2. From this screen, press the Down arrow one time until the selection, "Advanced BIOS Features" is highlighted, then Press **<Enter>**. This will access the Advanced Bios Features screen.
3. Press the **<Down Arrow>** Key two times. This should highlight the selection for "**First Boot Device**". Make sure that "**First Boot Device**" is highlighted before proceeding to the next step.
4. Use the **<Page Down>** key to change this field until the word "**Floppy**" appears in this field.
5. Press the **<Down Arrow>** Key one time. This should highlight the selection for "**Second Boot Device**". Make sure that "**Second Boot Device**" is highlighted before proceeding to the next step.
6. Use the **<Page Down>** key to change this field until the word "**CDROM**" appears in this field.
7. Press the **<Down Arrow>** Key one time. This should highlight the selection for "**Third Boot Device**". Make sure that "**Third Boot Device**" is highlighted before proceeding to the next step.
8. Use the **<Page Down>** key to change this field until the word "**HDD-0**" appears in this field.

9. When it is set correctly, the Advanced BIOS screen will look the same as in the illustration below.

Advanced BIOS Features

Trend ChipAway Virus	Enabled		Item Help
CPU Internal Cache	Enabled		Menu Level ▶
Quick Power On Self Test	Enabled		Allows you to choose the VIRUS warning feature for IDE Hard Disk boot sector protection. If this function is enabled and someone attempts to write data into this area, BIOS will show a warning message on screen and alarm beep
First Boot Device	Floppy		
Second Boot Device	CDROM		
Third Boot Device	HDD-0		
Boot Other Device	Enabled		
Swap Floppy Drive	Disabled		
Boot Up Floppy Seek	Disabled		
Boot Up NumLock Status	On		
Gate A20 Option	Normal		
Typematic Rate Setting	Disabled		
x Typematic Rate (Chars/Sec)	6		
x Typematic Delay (Msec)	250		
Security Option	Setup		
OS Select For DRAM > 64MB	Non-OS2		
Video BIOS Shadow	Enabled		
C8000-CBFFF Shadow	Disabled		
CC000-CFFFF Shadow	Disabled		

Advanced Bios Screen after being set correctly

10. Press <F10> to save the settings then Press <Y> to exit.
11. Your system will now reboot itself.

Step 2 – Installing Microsoft Windows

This process will be different depending on which version of the Windows Operating system you wish to install:

- Section A – Windows XP Installation
- Section B – Windows 2000 Installation
- Section C – Windows ME Installation
- Section D – Windows 98 Installation

Section A – Windows XP Installation

1. Place the Windows XP Installation CD in your Computers CD-Rom Drive.
2. Reboot your computer system. (Select the Shutdown Icon from the Linux Screen or simply press the Reset button on the front of your system).
3. Watch Your screen carefully, and when you see the phrase “**Press any key to boot from CD**” at this time, quickly press the <space bar> (or any other key). If you do not do it quickly enough, then you will need to reboot the computer again. When you have done it correctly, the words “Windows XP Home Edition Setup) will appear on a blue screen.
4. The First screen will ask you to press <enter> to install Windows XP. When you see this screen, press the <enter> key.
5. The next screen is the Windows XP licensing agreement. If you agree with the terms of the Windows XP license, then Press the <F8> key. Note: If you do not agree with the Windows XP Licensing agreement, then you will not be able to install Windows XP on your system.
6. The next screen that will appear is to select the partition that you wish to install Windows XP on. Since the system is configured for the Linux system, you will need to delete all existing Partitions on the Hard Drive.
7. Press the Down Arrow until the Field “**H: Partition5**” is Highlighted. Press the <D> key to delete this partition. A screen will appear asking you to confirm

that you would like to delete this partition. Press the <L> key to confirm Deletion. This will return you to the previous screen.

- 8 Press the Down Arrow until the Field “**G: Partition4**” is Highlighted. Press the <D> key to delete this partition. A screen will appear asking you to confirm that you would like to delete this partition. Press the <L> key to confirm Deletion. This will return you to the previous screen.
- 9 Press the Down Arrow until the Field “**F: Partition3**” is Highlighted. Press the <D> key to delete this partition. A screen will appear asking you to confirm that you would like to delete this partition. Press the <L> key to confirm Deletion. This will return you to the previous screen.
- 10 Press the Down Arrow until the Field “**E: Partition2**” is Highlighted. Press the <D> key to delete this partition. A screen will appear asking you to confirm that you would like to delete this partition. Press the <L> key to confirm Deletion. This will return you to the previous screen.
- 11 At this point there should only be one partition remaining on the Hard Drive, “**C: Partition1**”. Press the <D> key to delete this partition. This will make a screen appear on your system warning you that this is a system partition and asking you to confirm deletion. Press the <enter> key to confirm deletion. At this point another warning screen will appear, Press the <L> key to confirm deletion.
- 12 At this point there should be no partitions on your Hard Drive and it should say “**Unpartitioned Space 19093 MB**” on your screen. Press the <enter> key.

- 13 Using the <Up Arrow> and <Down Arrow> key, move the cursor to highlight the field, “**Format the partition using the NTFS file system**”. Then press the <enter> key. At this point the Setup program will format your Hard Drive to make it ready to install Windows XP.
- 14 At this point, simply follow the instructions of the Windows XP Installation program as it guides you through the installation process.
- 15 Windows XP will automatically load your device drivers, so ignore step 3 as your installation process will be finished at this point.

Section B – Windows 2000 Installation

- 1 Place the Windows® 2000 Installation CD in your Computers CD-Rom Drive.
- 2 Reboot your computer system. (Select the Shutdown Icon from the Linux Screen or simply press the Reset button on the front of your system).
- 3 Watch Your screen carefully, and when you see the phrase “**Press any key to boot from CD**” at this time, quickly press the <space bar> (or any other key). If you do not do it quickly enough, then you will need to reboot the computer again. When you have done it correctly, the words “Windows 2000 Setup) will appear on a blue screen.
- 4 The First screen will ask you to press <enter> to install Windows 2000. When you see this screen, press the <enter> key.

5. The next screen is the Windows 2000 licensing agreement. If you agree with the terms of the Windows 2000 license, then Press the **<F8>** key. Note: If you do not agree with the Windows 2000 Licensing agreement, then you will not be able to install Windows 2000 on your system.
- 6 The next screen that will appear is to select the partition that you wish to install Windows 2000 on. Since the system is configured for the Linux system, you will first need to delete all existing Partitions on the Hard Drive.
- 7 Press the Down Arrow until the Field “-- **Unknown 133 MB**” is Highlighted. Press the **<D>** key to delete this partition. A screen will appear asking you to confirm that you would like to delete this partition. Press the **<L>** key to confirm Deletion. This will return you to the previous screen.
- 8 Press the Down Arrow until the first of the two Fields “-- **Unknown 5656 MB**” is Highlighted. Press the **<D>** key to delete this partition. A screen will appear asking you to confirm that you would like to delete this partition. Press the **<L>** key to confirm Deletion. This will return you to the previous screen.
- 9 Press the Down Arrow until the remaining Field “-- **Unknown 5656 MB**” is Highlighted. Press the **<D>** key to delete this partition. A screen will appear asking you to confirm that you would like to delete this partition. Press the **<L>** key to confirm Deletion. This will return you to the previous screen.
- 10 Press the Down Arrow until the Field -- **Unknown**

7546 MB is Highlighted. Press the **<D>** key to delete this partition. A screen will appear asking you to confirm that you would like to delete this partition. Press the **<L>** key to confirm Deletion. This will return you to the previous screen.

- 11 At this point there should only be one partition remaining on the Hard Drive, “**C: Unformatted or Damaged**”. Press the **<D>** key to delete this partition. This will make a screen appear on your system warning you that this is a system partition and asking you to confirm deletion. Press the **<enter>** key to confirm deletion. At this point another warning screen will appear, Press the **<L>** key to confirm deletion.
- 12 At this point there should be no partitions on your Hard Drive and it should say “**Unpartitioned Space 19093 MB**” on your screen. Press the **<enter>** key.
- 13 Using the **<Up Arrow>** and **<Down Arrow>** key, move the cursor to highlight the field, “**Format the partition using the NTFS file system**”. Then press the **<enter>** key. At this point the Setup program will format your Hard Drive to make it ready to install Windows 2000.
- 14 At this point, simply follow the instructions of the Windows 2000 Installation program as it guides you through the installation process.
- 15 Once the Windows 2000 Installation program is finished, you will need to install the device drivers to properly configure Windows 2000 to your system. Proceed to Step 3 to install the device drivers in your system.

Section C – Windows ME Installation

- 1 Allow the installed Linux OS to boot up for the first time. Once it has booted into system, click on the icon in the bottom left hand corner. It will show up in a text box as “Extras: Check out the other application”
- 2 You will see two gray icons/buttons on the left hand side. Click on the one labeled “Utilities”
- 3 You will see 4 choices listed down the center part of your screen. Click on the one labeled “Uninstall System”
- 4 Place the Floppy Disk from the Windows ME Install Package, labeled “Boot Disk” into your floppy drive
- 5 A window will pop up showing “Do you really want to uninstall Windows?” and click “Yes”
- 6 Your system will now automatically shutdown and reboot by itself
- 7 A Screen labeled “**Microsoft Windows Millennium Startup Menu**” will appear. Press the number <1> key followed by the <enter> key. This will begin the installation process.
- 8 The next screen will ask you to press <enter> to install Windows ME. When you see this screen, press the <enter> key.
- 9 The next screen will ask you to allocate space on your Hard Drive for the Windows ME Installation. Using the <up arrow> key and <down arrow> key select “**Configure Unallocated Space**”. Once that

selection is highlighted, press the <enter> key.

- 10 The next screen will ask you if you would like to enable large disk support. Using the <up arrow> key and <down arrow> key select “**Yes, enable large disk support**”. Once that selection is highlighted, press the <enter> key.
- 11 The Next Screen will tell you that Windows ME wants to restart your computer. **DO NOT REMOVE THE “Boot Disk”**, just press the <enter> key.
- 12 A Screen labeled “**Microsoft Windows Millennium Startup Menu**” will appear. Press the number <1> key followed by the <enter> key. This will reformat your Hard Drive.
- 13 After the Hard Drive is formatted, remove the “**Boot Disk**” from the floppy drive and press the <enter> key.
- 14 At this point, follow the instructions of the Windows ME installation program as it guides you through the rest of the installation process.
- 15 Once the Windows ME Installation program is finished, you will need to install the device drivers to properly configure Windows ME to your system. Proceed to Step 3 to install the device drivers in your system.

Section D – Windows 98 Installation

- 1 Allow the installed Linux OS to boot up for the first time. Once it has booted into system, click on the icon in the bottom left hand corner. It will show up in a text box as “Extras: Check out the other application”

- 2 You will see two gray icons/buttons on the left hand side. Click on the one labeled “Utilities”
- 3 You will see 4 choices listed down the center part of your screen. Click on the one labeled “Uninstall System”
- 4 Place the CD labeled Windows 98 into your CD-ROM drive
- 5 A window will pop up showing “Do you really want to uninstall Windows?” and click “Yes”
- 6 Your system will now automatically shutdown and reboot by itself
- 7 A Screen labeled “**Microsoft Windows 98 Startup Menu**” will appear. Press the number <1> key followed by the <enter> key. This will begin the installation process.
- 8 The next screen will ask you to press <enter> to install Windows 98. When you see this screen, press the <enter> key.
- 9 The next screen will ask you to allocate space on your Hard Drive for the Windows 98 Installation. Using the <up arrow> key and <down arrow> key select “**Configure Unallocated Space**”. Once that selection is highlighted, press the <enter> key.
- 10 The next screen will ask you if you would like to enable large disk support. Using the <up arrow> key and <down arrow> key select “**Yes, enable large disk support**”. Once that selection is highlighted, press the <enter> key.

- 11 The Next Screen will tell you that Windows 98 wants to restart your computer. Just press the <enter> key.
- 12 A Screen labeled “**Microsoft Windows 98 Startup Menu**” will appear. Press the number <1> key followed by the <enter> key. This will reformat your Hard Drive.
- 13 After the Hard Drive is formatted, press the <enter> key.
- 14 At this point, follow the instructions of the Windows 98 installation program as it guides you through the rest of the installation process.
- 15 Once the Windows 98 Installation program is finished, you will need to install the device drivers to properly configure Windows 98 to your system. Proceed to Step 3 to install the device drivers in your system.

Step 3 – Installing Device Drivers (Win 98/ME/2000 only)

1. Power up your system and allow the operating system to load.
2. After Windows loads on your system, place the CD marked “**SystemBoard PC133**” in your CD-ROM drive.
3. Using the mouse move the pointer to the **[My Computer]** Icon and doubleclick the left mouse button. This will open a window., In this window,

14
select the **[D:]** icon and doubleclick it.

4. A window titled “**Auto Set Up**” will open. With the mouse, select the [**Setup**] button and click it.
5. This will open a wizard to install the device drivers. On the first screen select with the mouse the button labeled [**next**] and click it.
6. On the next screen make certain that a check mark is in the boxes for “**IDE**”, “**VGA**” and “**Devices**”. Then use your mouse and click the [**next**] button.
7. Click the [**next**] button in each window as it pops up.
8. The process will run automatically from this point. Your system will reboot several times during this process, so ensure that no disks are in the floppy drive. When it asks you to reboot, select Yes and click the [**Next**] button.
9. After the device drivers finish installing, the machine will reboot one more time.

Reinstalling the Linux Operating System on the computer

If at any point you wish to reinstall the Linux system and to reconfigure your system so that it is identical to how it was when it was first unboxed, follow the following instructions. **NOTE: THIS PROCESS WILL ERASE ALL DATA, PROGRAMS AND OPERATING SYSTEMS THAT ARE ON YOUR HARD DRIVE.** It is recommended that you back up your Hard Drive prior to using this process.

1. Place the Disk labeled “**Fast Windows Linux Version 1.3**” (Provided with Computer System) in your CD-ROM Drive.
2. Reboot your computer system.
3. A screen will appear asking you if you want to install the Linux system. Type install and press the **<enter>** key. **NOTE: THIS STEP WILL ERASE YOUR HARD DRIVE.**
4. Linux will automatically install itself at this point. When it finishes, reboot your computer system to enter the Linux system.

Technical Support

Phone: **(510)657-3956**

Web: <http://www.allsupport.net>