

The FCC wants you to know

FCC 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.

Any changes or modification made to this equipment void the user's authority to operate this equipment.

This equipment generates, uses, and radiates radio frequency energy and, if not installed and used in accordance with the instructions, 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:

- 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.
- All external cables connecting to this basic unit must be shielded.

Canadian D.O.C. Statement

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the radio interference regulations or the Canadian Department of Communications.

Cet appareil numérique n'exécède pas les limites de catégorie B pour des émissions radio depuis un appareil numérique, comme défini dans les réglementations d'interférence radio du Ministère Canadien des Communications.

CE Mark

This equipment is in conformity with the EMC directive.

Small Form Factor System

Overview

The information in this document is subject to change without notice and should not be construed as a commitment by the manufacturer.

The manufacturer assumes no responsibility for any errors that might appear in this document.

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Nvidia is registered trademark of Nvidia Corporation.

PS/2 is registered trademark of International Business Machines Corporation.

Important Safety Information

1. Please read these safety instructions carefully.
2. Please keep this User's Manual for later reference.
3. 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.
4. For pluggable equipment, the socket-outlet shall be installed near the equipment and shall be easily accessible.
5. Please keep this equipment from humidity.
6. Lay this equipment on a reliable surface when install. A drop or fall could cause injury.
7. Do not leave this equipment in an environment unconditioned, storage temperature above 40°C, it may damage the equipment.
8. The openings on the enclosure are for air convection hence protect the equipment from overheating. **DO NOT COVER THE OPENINGS.**
9. Make sure the voltage of the power source when connect the equipment to the power outlet.
10. Place the power cord such a way that people can not step on it. Do not place anything over the power cord. The power cord must be rated for the product and for the voltage and current marked on the product's electrical ratings label. The voltage and current rating of the cord should be greater than the voltage and current rating marked on the product.
11. All cautions and warnings on the equipment should be noted.
12. If the equipment is not use for long time, disconnect the equipment from mains to avoid being damaged by transient over-voltage.
13. Never pour any liquid into ventilation openings, this could cause fire or electrical shock.

14.If one of the following situations arises, get the equipment checked by 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 worked well or you can not get it work according to user's manual.
- e. The equipment has dropped and damaged.
- f. If the equipment has obvious sign of breakage.

15. **CAUTION:** THE COMPUTER IS PROVIDED WITH A BATTERY-POWERED REAL-TIME CLOCK CIRCUIT. THERE IS A DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED. REPLACE ONLY WITH SAME OR EQUIVLENT TYPE RECOMMENDED BY THE MANUFACTURER. DISCARD USED BATTERIES ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.

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Section 1

Introduction



1.1 Begin Your Tour In The DIY World

Congratulations on purchasing this cutting-edge Small Form Factor System. Now you have the reliability and flexibility of a computer that offers powerful computing performance and full multimedia capabilities. As a progressive and compact-sized PC, it allows you to work effectively and play ingeniously with integrated functionality.

For utility, your computer features easy installation with better mechanism such as well-located cables and hard disk drive. Just follow the step-by-step installation guide of the manual, you will find that it is a simple process to set up CPU, memory and hard disk drive that takes only few minutes. And when you open its cover panels, you will admire the innovation of the components like side-blown CPU cooler and special-made power supply that are developed to improve the noise and thermal.

For connectivity and expandability, your computer provides four USB2.0, two IEEE1394, two VGA, one SPDIF output, and the standard audio ports including headphone, microphone, line-in and line-out connectors, which satisfy you for attaching various digital devices. Besides, there is one AGP and one PCI slots that allow power users to add on the high-end audio and video cards. Users can enjoy a richer gaming experience and enhanced sound quality with built-in graphics engine and SPDIF jack.

To help you familiarize with your computer, we provide this user's guide including the clear and concise installation guide, trouble-shooting procedure and the other practical information. We hope you will take pleasure in using this computer as much as we enjoy designing it for you.

1.2 Checking the Equipments

This section describes the contents of your computer pages. Before you unpack your computer, make sure you have enough room to set up your system. Then open the package and check the following items. If there are any of the equipments are missing or damaged, contact your dealer immediately.



Small Form Factor System



Driver CD



Studio Fun CD



User's manual



Installation Guide



Thermal Grease



A power cord



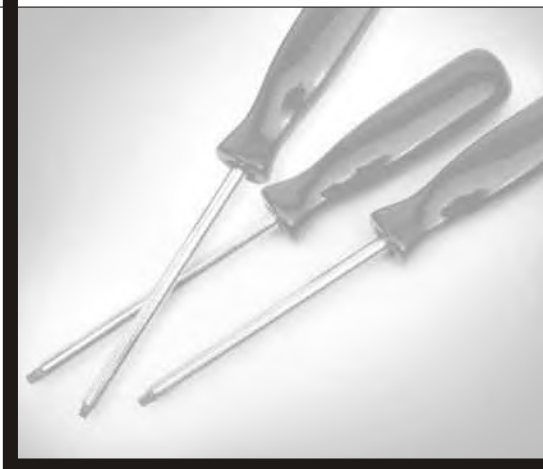
Screws Pack



Power Cable for Serial-ATA Hard Disk Drive



Serial-ATA Cable



Section 2

Mainboard Set Up

2.1 Mainboard Features

Model

- M7NBA

Chipset

- North Bridge: Nvidia® Crush IGP
- South Bridge: Nvidia® MCP-T

CPU

- Supports Socket A
- Supports AMD Athlon™ XP, Duron™ processor
- Supports FSB 266/333 MHz

Main Memory

- Supports up to 2 DDR SDRAM devices
- Supports DDR SDRAM 200/ 266/ 333 Mhz (without ECC)
(The DIMMs support maximal 333MHz as using Onboard-VGA instead of inserting one VGA card.)
- The largest memory capacity is 2GB

Slots

- One AGP 8X slot
- One PCI slot
- One Wireless LAN slot (optional)

On Board IDE

- Supports four IDE hard disk devices
- Supports PIO Modes 4-0, DMA modes 2-0 and Ultra DMA 33/ 66/ 100/ 133 Bus Master Mode
- Supports 2 Serial ATA ports
 - Compliant with SATA 1.0 specification
 - Data transfer rates up to 1.5 Gb/s

Wireless LAN Air Link™(optional)

- Chip: RTL8180
- Full compliance with IEEE802.11 and IEEE802.11b specifications
- Supports Advanced Configuration Power management Interface(ACPI) and PCI power management system for modern operating systems
- Supports remote wake-up in both ACPI and APM environments
- Keeps network maintenance costs low and eliminates usage barriers
- Uses one RF card for Wireless LAN

LAN

- Chip: RTL8201BL
- Dual Speed - 10/100 Mbps
- Half and Full Duplex
- Auto Negotiation: 10/ 100, Full/ Half Duplex

Audio

- Chip: Realtek ALC650
- Compliant with AC'97 specification
- AC97 2.2/2.3 interface
- Supports 6 channels

1394A Chip

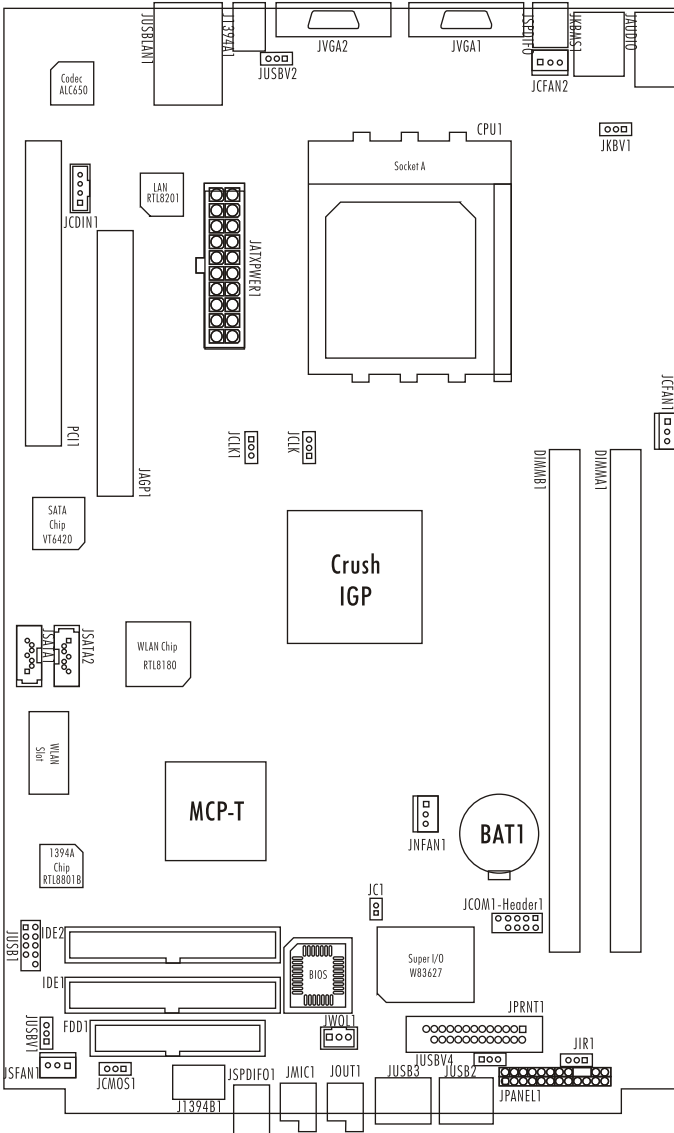
- Chip: RTL8801B
- Support 2 ports with transfer up to 400mbps.

On Board Peripheral Connectors

- 1x vertical audio port, 1 x Line-Out port, 1XMic-In port
- 1 x PS/2 mouse connector, 1 x PS/2 keyboard connector
- 2 x SPDIF-Out connector (One channel)

- 6 x USB2.0 Ports
- 1 x IrDA connector
- 2 x IEEE1394A connector
- 1 x parallel port
- 1 x serial port (COM1)
- 2 x VGA port
- 1 x floppy port

2.2 Layout And Components Index



Components Index

- Socket: Installing CPU
- JCFAN1: Connecting to cable of CPU cooler
- DDR1 and DDR2: Installing DIMM Modules
- IDE1 and IDE2: Connecting to hard disk drive
- FDD: Connecting to the floppy disk drive
- JUSB1: Connecting to cable of card reader
- PCI1: Inserting PCI card
- AGP1: Inserting AGP card
- JPANEL1: Connecting to the front panel switches and LEDs
- JCFAN2: Connecting to the system fan

2.3 Jumper, Headers, Connectors and Slots

How to set up Jumper

The illustration shows how to set up jumpers. When the Jumper cap is placed on pins, the jumper is "close". If no jumper cap is placed on the pins, the jumper is "open". The illustration shows a 3-pin jumper whose pin 1 and 2 are "close" when jumper cap is placed on these 2 pins.



Jumper close




Jumper open




Pin1-2 close


Jumper & Headers

CPU Fan Headers: JCFAN1

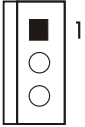
 <p>JCFAN1</p>	Pin	Assignment
	1	Ground
	2	+12V
	3	FAN RPM rate Sense

 <p>JCFAN2</p>	Pin	Assignment
	1	Ground
	2	+12V
	3	FAN RPM rate Sense



System Fan Headers: JSFAN1

 <p>JSFAN1</p>	Pin	Assignment
	1	Ground
	2	+12V
	3	Ground

North Bridge Fan Headers: JNFAN1

 <p>JCFAN1</p>	Pin	Assignment
	1	Ground
	2	+12V
	3	FAN RPM rate Sense

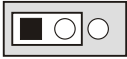

Clear CMOS Jumper: JCMOS1

JCMOS1	Assignment
 <p>Pin 1-2 close</p>	Normal Operation (default)
 <p>Pin 2-3 close</p>	Clear CMOS Data

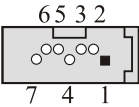
Clear CMOS Procedures:

1. Remove AC power line.
2. Set the jumper to "Pin 1-2 close".
3. Wait for five seconds.
4. Set the jumper to "Pin 2-3 close".
5. Power on the AC.
6. Reset your desired password or clear the CMOS data.


5V/5VSB Selection for USB: JUSBV1/JUSBV2/JUSBV4

JUSBV1/JUSBV2/ JUSBV4	Assignment	Description
 <p>1 3 Pin 1-2 close</p>	+5V	<p>JUSBV1: 5V for JUSB1 JUSBV2: 5V for JUSBLAN1 JUSBV4: 5V for JUSB2/JUSB3</p>
 <p>1 3 Pin 2-3 close</p>	+5V_SB	<p>JUSBV1: 5V standby to power on JUSB1 JUSBV2: 5V standby to power on JUSBLAN1 JUSBV4: 5V standby to power on JUSB2/JUSB3</p>

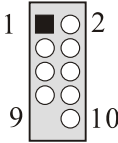
Serial ATA Connector: JSATA1/JSATA2(optional)

 <p>JSATA1/JSATA2</p>	Pin	Assignment	Pin	Assignment
	1	Ground	2	TX +
	4	TX -	4	Ground
	5	RX -	6	RX +
7	Ground			

Case Open Connector: Jc1

 <p>Jc1</p>	Pin	Assignment
	1	Ground
	2	Case Open Signal

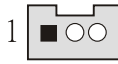
Front USB Header: JUSB1

 <p>JUSB1</p>	Pin	Assignment	Pin	Assignment
	1	+5V(fused)	2	+5V(fused)
	3	USBP4 -	4	USBP5 -
	5	USBP4 +	6	USBP5 +
	7	Ground	8	Ground
	9	KEY	10	NA

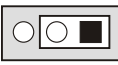

*NA: No Assignment

*KEY: No Pin

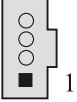
Wake On LAN Header: JWOL1

 <p>JWOL1</p>	Pin	Assignment
	1	+5V_SB
	2	Ground
	3	Wake up


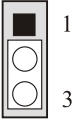
5V/5V_SB Selection for KB: JKBV1

JKBV1	Assignment
 <p>Pin 1-2 close</p>	+5V
 <p>Pin 2-3 close</p>	+5V_SB

CD-ROM Audio-In Header: JCDIN1

 <p>JCDIN1</p>	Pin	Assignment
	1	Left Channel Input
	2	Ground
	3	Ground
	4	Right Channel Input

Clock Ratio Selection: JCLK1

JCLK1	Assignment
 <p>Pin 1-2 Close</p>	133/166MHz
 <p>Pin 2-3 Close</p>	Safe mode

When overclock function failed and system is unable to boot-up, please follow below instruction:

1. Turn off the system
2. Close Pin 2-3 of JCLK1
3. Turn on the system
4. Enter CMOS Setup menu and Load Defaults Setting
5. Turn off the system
6. Close Pin 1-2 of JCLK1
7. Turn on the system



Section 3

Peripheral Connections

3.1 Overview

Your computer offers the following connectors for peripheral devices. As these devices are provided by third-parties, be sure that they function correctly when connected to your computer before you purchase them.

Front Panel Connectors :

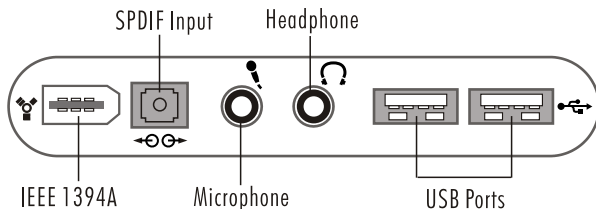
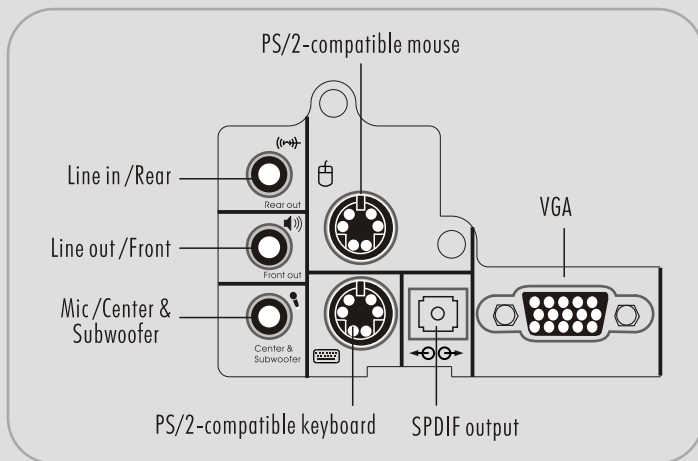


Figure 3.1

Back Panel Connectors :



3.2 Connecting Peripheral Devices

Before you connect any peripherals, observe the following instructions.

- Turn off the computer and the peripheral device.
- Read the instructions on the manual or guide provided by the device manufacturer carefully.
- Insert the connector that comes from the device manufacturer to the proper I/O port.
- Install the drivers or other software that's required by the device so they operate correctly. Make sure you turn off the computer and the peripheral device before connecting them.
- Restart the computer if you are being asked to.

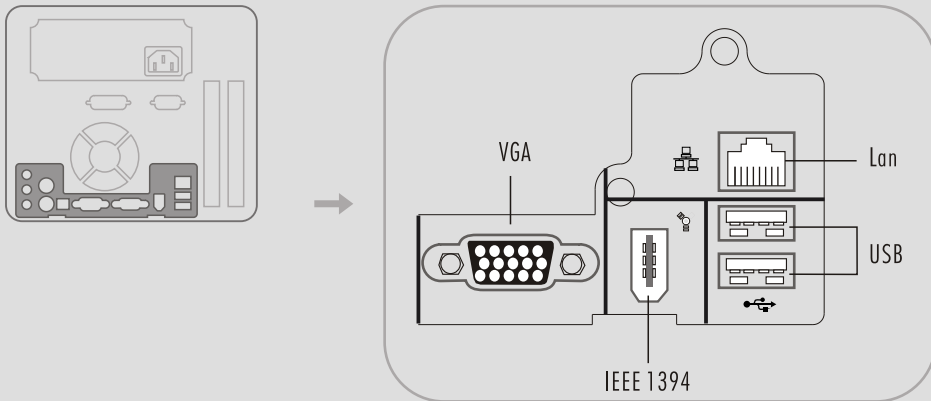


Figure 3.2

Connecting monitor

Your computer provides two VGA ports, which support dual view displays. To connect two monitors, plug the monitor cables into the VGA ports located on the rear panel of your computer.

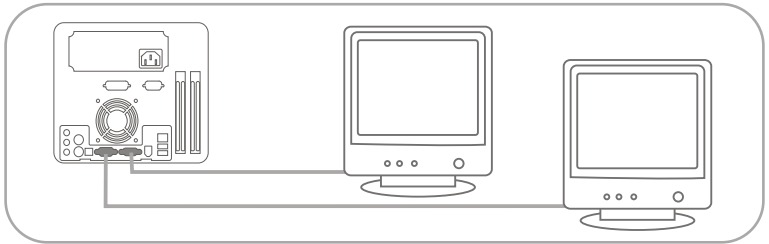


Figure 3.3

Connecting mouse and keyboard

Most of mouse and keyboard are PS/2 compliant. However, lots of the latest keyboard and mouse use the USB connectors instead of PS/2. Before connecting mouse and keyboard, make sure the connector is USB compliant or PS/2 compliant.

- Plug the mouse cable into the USB port (if your mouse uses the PS/2 connector, plug the cable into the green PS/2 port located on the rear panel of your computer).
- Plug the keyboard cable into the USB port (if your keyboard uses the PS/2 connector, plug the cable into the purple PS/2 port located on the rear panel of your computer).

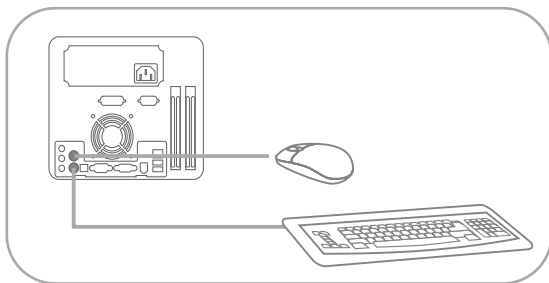


Figure 3.4

Connecting USB Devices

Your computer is equipped with four standard USB 2.0 ports as the figure 3.5 shown. The USB 2.0 connector is backward compatible with the USB1.1. You can obtain USB-compatible devices such as USB mouse, USB keyboard, digital camera, scanner, flash disk...etc. Any device that supports this standard can be connected to this port.

- Have the symbol of USB connector facing up.
- Insert the connector to the USB port.
- The operating system will automatically detect the device and install the driver for the device.
- If the operating system does not have the driver for your device, install the driver from the driver CD that is provided by the device manufacturer.

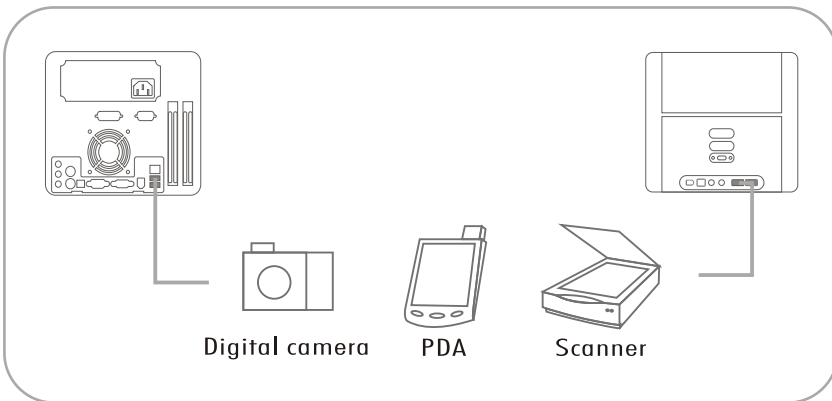


Figure 3.5

Note: The USB devices support "hot plugging," eliminating the need to power down or restart the computer when attaching a new peripheral. You can plug any USB device into any port at any time, even when the system is running.

Connecting IEEE1394 Devices

Your computer is equipped with two IEEE1394 connectors as the figure 3.6 shown, which enhance the connectivity of the computer and allow users to connect more electronics devices such as desktop digital cameras, digital VCRs, high resolution color printers, scanners, set-top boxes, and more. The IEEE 1394 devices also support "hot plugging", eliminating the need to power down or restart the computer when attaching a new peripheral like USB devices.

- Match the shape of the IEEE 1394 connector to the IEEE 1394 port.
- Insert the connector, and make sure that it is connected.
- Your OS will start running and automatically install the driver for the device.
- If the OS does not have the driver for your device, install the driver from the driver CD that is provided by the device manufacturer.

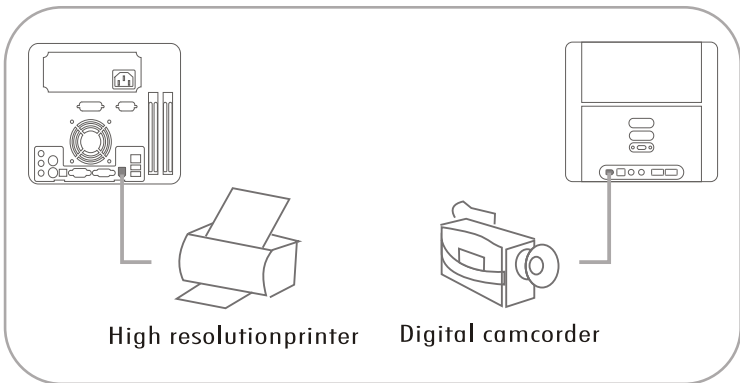


Figure 3.6

Connecting Audio Equipment

Your computer is equipped with the following audio ports, which offer wide-range applications.

- SPDIF (Sony/Philips Digital Interface) jack: SPDIF is a standard audio transfer file format, which provides digital audio instead of analog audio through optical fiber.

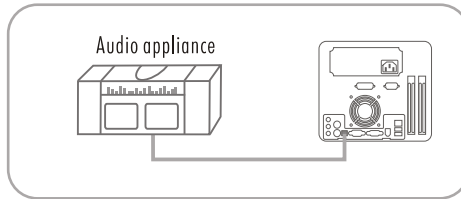


Figure 3.7

- "Headphone" jack: Use this jack to connect stereo headphone or amplified speakers to your computer.
- "Microphone" jack: Use this jack to connect microphone.
- "Line-in" jack: Use this jack to enjoy stereo audio from the external source such as CD/Tape player and other audio appliance.
- "Line-out" jack: Use this jack to connect the computer's audio output to an external tape recorder, or to the inputs of speakers.

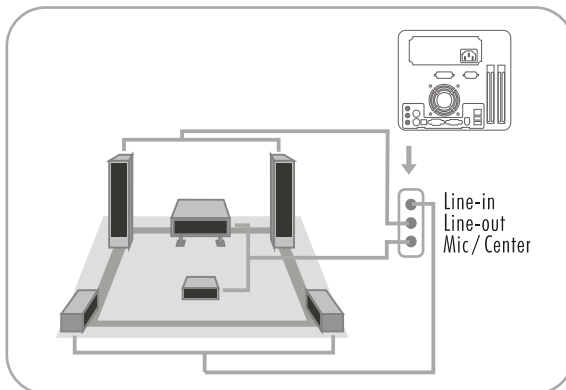


Figure 3.8

Connecting Printer

Your computer provides the expansion port for parallel cable on the rear panel. If users would like to attach the printer through the parallel port, please contact your dealer to purchase the cable kits. However, many printers are now using USB as their input connector.

Connecting the printer port:

- Match the pins and the shape of the printer connector to the printer port
- Plug it in firmly.
- Tighten it up with the locking screw on the connector.
- Install the driver from the driver CD or diskette provided by the printer manufacturer.
- Restart the computer if asked to by the OS.

Connecting the printer via USB port:

- Plug the USB connector to one of the USB port on your computer.
- Your OS should start running and install the printer driver for you.
- However, if your OS does not have the driver, please install it from the driver CD or diskette that is provided by the printer manufacturer.

 **Note:** To install the printer driver, please refer to the guide your printer manufacturer provides for you.

Connecting LAN

You can connect your computer with another computer system or get on broadband Internet connection by using the LAN port.

Connect your computer to a network as follows:

- The LAN jack is located on the back of your computer.
- Plug an RJ-45 network cable in the LAN jack.
- The other end should be connected to a network hub or switch, or to a peer computer.

Section 4

Software Utility



4.1 Installing Drivers and Utilities

Driver Setup

We provide an installation wizard, Driver CD Installation Utility (SETUP.EXE), located in the root of Driver CD to let users install some common used drivers conveniently.

The Wizard can automatically detect OS and switch to the proper page, so you don't need to worry about installing the wrong drivers. You can simply put Driver CD into the optical drive (CD-ROM, DVD ROM, or Combo depends on your configuration) and the Installation Utility will auto run or you can launch the Driver CD Installation Utility manually.

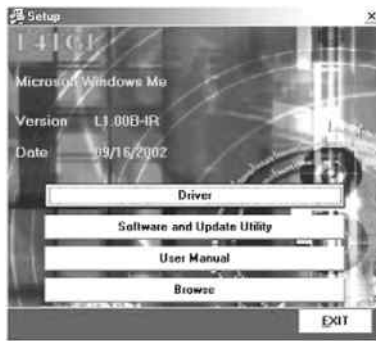


Figure 4.1

There are two kinds of Installation Procedure:

- Automatically install drivers from CD by using CD installation utility:
 1. Simply put Driver CD into your optical drive.
 2. The Installation wizard will auto run and show the name of the main board on the upper left of the menu (See figure 4.1).
 3. Use the mouse cursor to click the Driver option on the page.
 4. Driver setup utility will search for the devices you have.

5. The utility will start a page with the drivers you may need.
 6. Click on the driver you want to install.
 7. The utility will invoke other applications to complete the rest of installation.
 8. Follow the installing instructions to finish the installation.
 9. Click on the next driver you want to install.
 10. Repeat steps 6 to 8 until you have installed all the drivers the utility has for you.
- If the Driver and utility installation CD does not auto run, please follow the next steps after you place the CD into the optical drive.
 1. Place the Driver CD into the optical drive.
 2. Double click on My Computer.
 3. Double click on your optical drive to browse the CD.
 4. Double click the Setup.exe file to run the utility manually.
 5. Use the mouse cursor to click the Driver option on the page. 6.Driver setup utility will search for the devices you have.
 7. The utility will start a page with the drivers you may need.
 8. Click on the driver you want to install.
 9. The utility will invoke other applications to complete the rest of installation.
 10. Follow the installing instructions to finish the installation.
 11. Click on the next driver you want to install.
 12. Repeat steps 8 to 10 until you have installed all the drivers the utility has for you.

Installing Utilities

We also provide you some very useful utilities to enhance the experience of your computer. Just like installing drivers for your computer, you can follow the steps for installing driver until the menu of figure 4.1 shows up. Then, please go through the following steps.


1. Click Software and Update Utility option.
2. Click on the software you want to install.
3. The installation utility will start the installation wizard for the software you choose.
4. Follow the instruction steps of the wizard.
5. Repeat steps 2 to 4 if you want to install more.
6. When you are done, simply close the Installation Utility.

4.2 Installing StudioFun

Overview

StudioFun! is a media-player based on optimized GNU/Linux distribution. It plays DVD, VCD, MP3, Audio CD and various other known file formats. You can take snapshots of video and customize the saved images as screensavers. You can also store the images on USB mass storage devices like flash disks and USB floppy disks.

Installation Procedure

 **Note:** To protect the data and applications in your hard disk drive, users will not be able to uninstall StudioFun once completing the installation procedure of StudioFun.

Insert the StudioFun! installation CD in a CD/DVD ROM drive and let the system boot through the CD. The disk will boot and bring up the grub boot loader installation menu. Two options are specified.



Figure 4.2

• Installation

This option will do the basic installation of the distribution. The installation works on pre-installed windows or GNU/Linux distribution.

On selecting the 'installation' option, the installer boots and displays a dialog box indicating the space required and waits for a confirmation. Selecting "Ok" will continue the installation while selecting "Cancel" will terminate the installation and reboot the machine.

If Windows or GNU/Linux is the only OS installed on the hard disk with no free space, it will resize the partition, either NTFS or FAT32 or ext2, and install StudioFun!. In case the hard disk has a 128MB of free space available, the installation will use the free space.

After installing the base system you will be prompted to select the resolution from the following choices

1. 1024x768 (recommended)
2. 800x600
3. 640x480

Select the desired resolution. The default is 1024x768 for optimal graphics.

Next you will be prompted to choose the DVD area/region selection code. Choose this based on the type of DVDs you will be playing.

The installation procedure will then probe for the type of mouse installed. The distribution currently supports PS/2, USB and Serial mice. In case of serial mouse you will have to move the mouse when prompted. The other two are probed and installed automatically.

The installation procedure will now finish, the CD is ejected and a dialog box prompting to reboot the machine is displayed. Press "OK" button and enjoy StudioFun!.

Note: The Meaning of Error Messages

1. "Media corrupted!! Please check the media!" The CD/DVD is corrupted.
2. "Extraction of base system failed!! Please try again later!!" The CD-ROM is corrupted.
3. "Unsupported hardware found, Aborting...". If you try to install StudioFun! on an unsupported and undocumented hardware, the above error message is popped.

4. "No device found!" This error message is given if there is no hard disk in the system.

- Recovery

In case of a MBR corruption, this option should be used. It will automatically probe the hard disk master boot record and find out the installed operating system(s). On success it will re-install the boot loader with correct options in the MBR. Any custom boot loader option specified from other GNU/Linux installations will get over written by the newly probed one.

Booting to StudioFun!

After Installation is over, remove the CD from the CD-ROM and restart the machine. After the machine reboots, you will get the GRUB boot loader menu screen. Select the StudioFun option to boot to the StudioFun! partition.

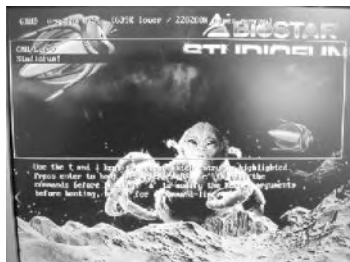


Figure 4.3

After complete bootup, you get to the main Desktop screen. The following section is a complete description of the Desktop application.

Desktop



Figure 4.4

This is the main shell of the StudioFun software. It basically comprises of two categories, one is the main "media control" part and the other is the "control panel".

- Media control

The media control part of the Desktop has the following controls

- VCD

This control will glow whenever a VCD is detected in a DVD/CD-ROM drive. The VCD will be auto-played only when it is put in to the drive when the Desktop (StudioFun! shell) is up and running, otherwise, the control will simply glow to inform the user about a VCD present in the DVD/CD-ROM drive.

- DVD

This control will glow whenever a DVD is detected in a DVD drive. The DVD will be auto-played only when it is put in to the drive when the Desktop (StudioFun! shell) is up and running, otherwise, the control will simply glow to inform the user about a DVD present in the DVD/CD-ROM.

- MP3

This control will glow whenever a MP3 is detected in a DVD/CD-ROM drive. The MP3 will be auto-played only when it is put in to the drive when the Desktop (StudioFun! shell) is up and running, otherwise, the control will simply glow to inform the user about a MP3 present in the DVD/CD-ROM drive.

- AUDIO

This control will glow whenever a AUDIO is detected in a DVD/CD-ROM drive. The AUDIO will be auto-played only when it is put in to the drive when the Desktop (StudioFun! shell) is up and running, otherwise, the control will simply glow to inform the user about a AUDIO present in the DVD/CD-ROM drive.

- FILE

This control will glow whenever a File CD (CDs with other media type files) is detected in a DVD/CD-ROM drive. The File CD will be auto-played only when it is put in to the drive when the Desktop (StudioFun! shell) is up and running, otherwise, the control will simply glow to inform the user about a File CD present in the DVD/CD-ROM drive.

- EJECT MEDIA

This control when clicked will eject any MP3 or File CDs from any of the DVD/CDROM drives. In case there were no MP3 or File CDs it will eject the default medium, (i.e.), the CD-ROM drive in case if the user has both DVD/CD-ROM drive or else it will eject the default DVD/CD-ROM drive.

- EXIT

This is the "Power on/off" control of the Desktop (StudioFun! shell).

- Control Panel

Control panel part has five icons, which are shortcuts to other applications present in the StudioFun software. Tool tips are provided on the icons when the mouse is rolled over them.

- Select Region

Clicking this icon will invoke the application for selection DVD region settings. Refer to section "Select DVD Region" application for more details.

- Screensaver

Clicking this icon will invoke the screensaver application. Refer to section "Screensaver" for more details.

- Display Settings

Clicking this icon will invoke the application for changing the screen resolutions. Refer to section "Display Settings" for more details.

- File Manager

Clicking this icon will invoke the file manager. Refer to section "File manager" for more details.

- When user has a DVD and a CD-ROM Drive:

If user has both DVD and a CD-ROM drive, DVD drive will be given the preference when both the drives hold valid media in them, i.e., if the CD-ROM drive has a media and a DVD drive also has a media, and the StudioFun! is started, then the media inside the DVD drive will be played.

If in case the media in CD-ROM takes a longer time to get recognized than the media inside the DVD drive, the media in the CD-ROM will be played, once if it is recognized.

- Other general user scenarios

When a user clicks on any of the media-controls when it is not glowing, except eject media and exit, the media-player will just come up and wait for user input.

 **Note:** No duplicate instance of any application will be allowed to run.

Trouble Shooting

Section 5

This section attempts to provide some tips for troubleshooting problems, as well as answer some frequently asked questions



5.1 System Does Not Start

- No LEDs light and no sound can be heard from the computer:
 1. Make sure the power cable is plugged in securely. Inspect the cables to make sure there is no visible damage.
 2. Plug another, known-working appliance into the outlet to make sure the outlet is functioning. If available, try to use a different power cable.
 3. If the power cable and wall socket are OK, there may be a power supply failure. Contact your computer dealer for technical support and service
- Keyboard and power LEDs light, and sound comes from the computer, but the monitor remains blank:
 1. Make sure the monitor is turned on and its power cable is securely plugged into a working outlet.
 2. Make sure the monitor display cable is plugged securely into the back of the computer. If available, try a different monitor, or try the monitor on a different VGA-compatible computer.
 3. If the monitor is powered on and known to be working, there may be a problem with the computer Main circuit board. Contact your computer dealer for technical support and service.

5.2 Keyboard and Mouse Problems

- Keyboard doesn't take input, but mouse pointer moves when mouse is moved:
 1. Make sure the keyboard, mouse or receiver is connected when you start the computer.
 2. If you inadvertently start the system with the keyboard disconnected, shut down the system by pressing and holding the power button on the system unit for at least four seconds.
- Keyboard doesn't take input; mouse pointer does not move:
 1. Make sure the mouse plug is inserted in the mouse connector on your computer and the keyboard Plug is inserted into the keyboard connector on your computer.

5.3 USB Device Problems

- Plug in any USB device but the display shows up as an unknown device in the Device Manager
 1. Install the driver for your USB device.
 2. Then plug in your USB device.
- USB device works when first plugged in, but does not work after system is woken from Standby mode:
 1. Force the device to configure by unplugging and then plugging it back in.
 2. Use a complete shutdown (hold the power button for four seconds) whenever you stop the system.
This forces all devices to be reconfigured the next time the system starts.

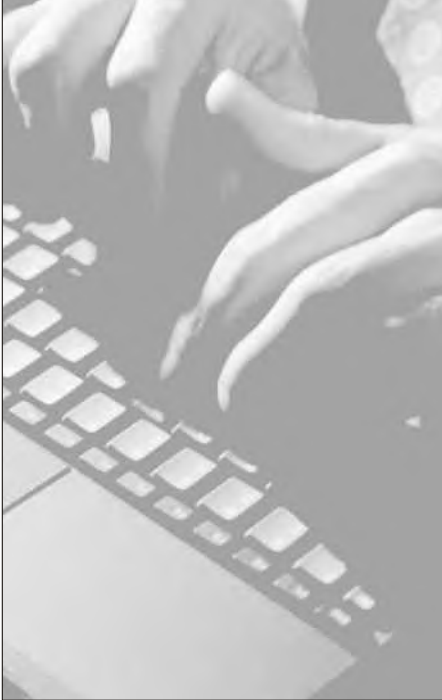
5.4 Software Problem

Good software is tested thoroughly before you receive it. However, software developers are human, and sometimes software encounters a situation that the programmers did not anticipate

- A problem behaves erratically or refuses to accept user input:
 1. Wait a while. The problem might be busy processing data or waiting for some event, such as network activity.
 2. If possible, use the task bar to switch to other problems, save any documents that might be open, and close other programs. Then attempt to close the program that is misbehaving.
 3. If a problem does not close, press the Ctrl + Alt + Del keys together only once. The computer will give you the option of ending the task or waiting longer. If you press Ctrl + Alt + Del a second time, the computer restarts if it can.
 4. Check for patches to fix from the software developer. Download the file/files and execute to update your software.
 5. As a last resort, if the computer totally ignores the mouse, keyboard and power button, you can unplug the power cable; wait a moment; and then plug the power cable back in. This forces the computer to restart.
 6. If the problem persists, contact your computer dealer for technical support and service.

Section 6

Taking care of Your Computer



6.1 General Maintenance

Before you install any computer component, we recommend that you read the following instructions.

- Electrostatic discharge can damage the components of your computer. Do not remove a component from its protective packaging until you are ready to install it.
- Avoid transporting or using your computer in dirty or dusty environments. Use a clean container when you transport the computer.
- Avoid getting dirt and dust in the optical drive.
- Avoid spilling liquids on the computer.
- You can occasionally use a vacuum to clean the ports.
- Make sure that the computer is turned off before unplugging it.
- When you disconnect cords, remember to pull them by the plugs and not by the cords themselves. This will prevent damage to the cords, plugs, ports, and jacks.
- Maintain your OS environment by doing scan disk, virus scan, and defragment regularly.

6.2 Safe Use of The System

To ensure that you can use your computer safely and correctly and increase the working lifetime of your computer, please read the following instructions. You will also reduce the chance of damage to your computer and personal injury to yourself.

- Be aware of all cautions and follow the instructions that may be marked on the computer.
- Except as described elsewhere in this manual, refer all servicing to qualified personnel.
Immediately shut off the computer and refer for servicing under the following conditions:
 1. When the power cord or plug is damaged or frayed
 2. If liquid spills on the computer
 3. If the computer is dropped or the chassis is damaged
- Never push any objects of any kind into chassis openings. They may touch dangerous voltage points or short parts, which could result in fire or electrical shock.
- Turn off the computer before installing or removing a peripheral device, except USB, or IEEE 1394 devices.
- Turn off the computer and unplug it before cleaning.
- Do not expose the computer to direct sunlight.
- Keep the computer away from any magnetic devices or TVs.
- Do not use the computer in a dusty or dirty working area. Dust can damage and/or cause contamination of the unit, which can result in malfunction.
- Do not use your computer on an unstable working surface to prevent your computer from being knocked over and damaged.
- Keep all liquids away from the computer and its accessories.

Appendix

Installing Mainboard



A.1 Installing Mainboard

Before installing mainboard, users have to remove the two-side and top cover panels. Then remove the front cover panel for inserting the mainboard into the chassis.

Removing The Front Cover Panel

- There are four quick joints on the reverse side of front panel bezel as figure A.2. Press the quick joint hooks outward to release the front panel bezel.



Figure A.1

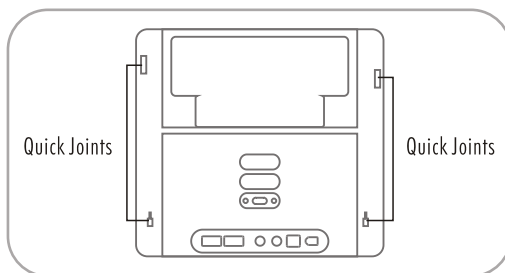


Figure A.2

- Use the screwdriver to remove the two screws on the base of chassis.



Figure A.3

- Then use the screwdriver to remove the two screws on the top of front cover panel.

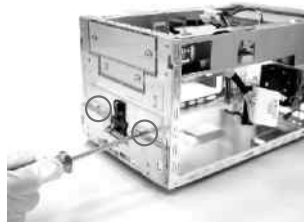


Figure A.4

Installing Mainboard

- Insert the mainboard from the side into the base of the chassis and place it close to the back panel.



Figure A.5

- After fixing the mainboard on the base of the chassis, you will find there are six mounting holes of screws on the computer chassis and the mainboard. Use the screwdriver to fasten the screws.

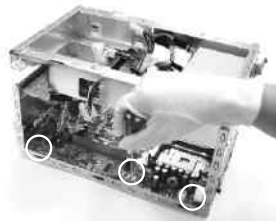


Figure A.6

- Connect the cable of LEDs indicator and front-panel switches to "JPANEL1" connector on the Mainboard.



Figure A.7

- Connect the cable of system fan to "JCFAN2" connector on the mainboard.



Figure A.8

Completing The Installation

- Place the front panel back and fix it with four screws to complete the installation of mainboard.



Figure A.9