

C H A P T E R ▼ O N E

GETTING TO KNOW THE BASICS

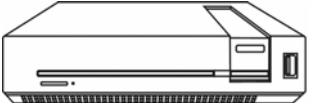

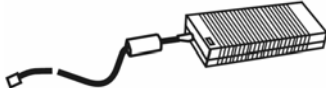
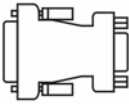




This chapter introduces the features and components of the XPC computer.

Performance Features

- **High Performance Processor with the 945PM Chipset**
The XPC Computer is equipped with a powerful Intel Core Duo processor. Together with the latest Intel 945PM chipset and technologies, the system offers very advanced PC performances.
- **Advanced Graphic Engine**
The system is built with ATI Mobility Radeon X1400 with 128MB DDR2 dedicated frame buffer. The PCI-Express high-end graphic engine offers excellent graphic performance for the most demanding professionals or gamers. The advanced graphic chip also incorporates a hardware-based motion-compensation engine, which gives you smooth MPEG video playback. DirectX 9 graphics capability also adds realism to PC games..
- **Built-in Multiple Card Reader**
There is built-in 4-in-1 card reader to access many of the portable media formats (SD Card, MS Card, MMC Card, and MS-Pro Card).
- **Gigabit Ethernet Port**
The system provides built-in 10/100/1000Mbps Ethernet network adapter for high bandwidth network connection.
- **IEEE1394 / 1394a and USB2.0 ports**
In addition to a full array of built-in I/O ports, the computer offers IEEE1394 for ultra high-speed connection to high bandwidth digital video devices and USB2.0 ports to connect to any USB-based peripheral devices.
- **Wireless LAN**
The internal Wireless LAN module allows your computer to connect wirelessly to other 802.11-enabled systems, devices, or network.

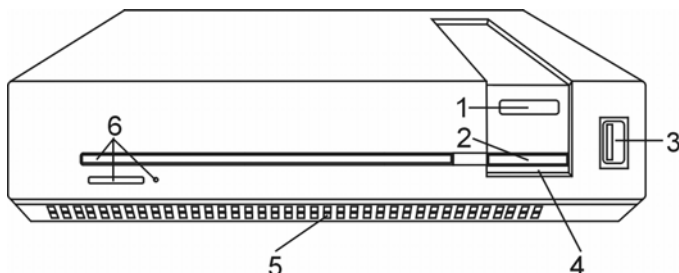
Package Content

Please take a moment to make sure you have the following content in the box.

	
XPC	Vertical Stand
	
AC Adapter	DVI-to-D-sub VGA Converter
	
AC Adapter Cable	CD Driver
	
S-Video Cable	Quick Guide

System At A Glance

Front View



Warning: Do not place any heavy objects on the top of computer. This may damage the unit

1. Power / Suspend Button

The power/suspend button turns the computer on and off and it also acts as a system suspend key. Press momentarily to turn on the system. Press and hold for at least 4 seconds to turn off the system. How this key behaves can be defined in [Start > Settings > Control Panel > Power Options > Advanced] menu. Press the power / suspend button again to return from the suspend mode.

2. 4-in-1 Card Reader

The 4-in-1 Card Reader supports SD Card, MS Card, MMC Card, and MS-Pro Card.

3. USB2.0 Port (x1)



The Universal Serial Bus (USB2.0-compliant) port allows you to connect a wide variety of devices to your computer at a rate of

up to 480 Mbps. This port conforms to the latest USB2.0 plug-and-play standards.

4. **Power Status LED Lamp**

The LED displays the power status of the system. The steady blue light indicates that the computer is powered on. The blinking blue light indicates that the computer is in suspend mode.

5. **Ventilation Grill**

The fan grill is where air is exchanged to dissipate the internal heat. Do not block this airway completely.

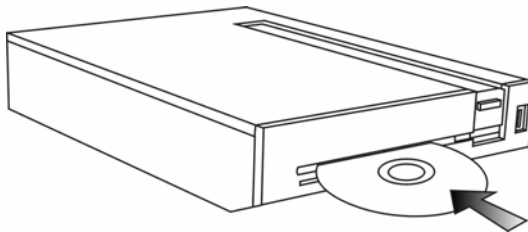
6. **Optical Drive and Disk Eject Button and Manual Eject Key Hole**

If your computer comes with the Combo drive, DVD-RW, DVD+RW, or DVD-Dual drive, you may save data onto a CD-R / CD-RW or DVD RW disc. Press the eject button to eject the disk tray. The manual eject keyhole allows you to manually eject a jammed disk.

This is a tray-less (slot-in) type of Optical Drive.

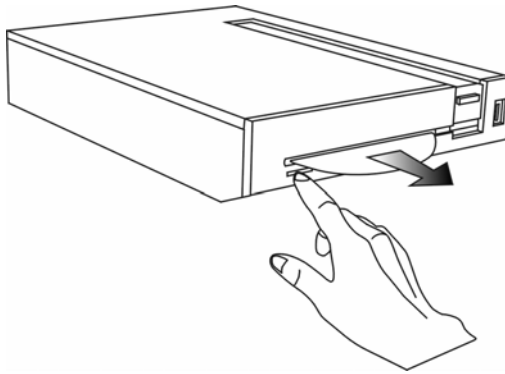
To Load a CD:

Gently insert the disc into the slot opening and XPC will automatically load-in the rest of the disc.

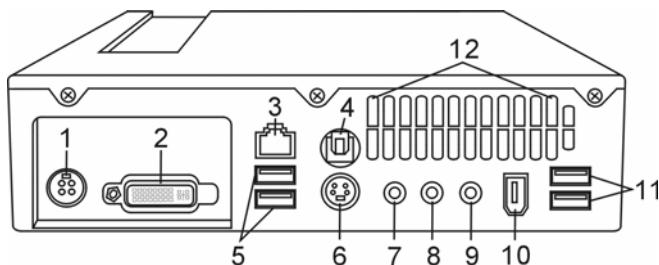


To Eject a CD:

Push the Eject Button and the disc will be ejected automatically.



Rear Views



Warning: Do not block the Fan Grill outlet. Place the machine on hard surface only. The bottom case may get very hot.

1. Power Jack (DC-in)

The DC-out jack of the AC Adapter connects here and powers the computer.

2. DVI-I Port

The DVI-I video output port is for connecting the external LCD monitor or projector.

You may use the DVI-to-D-sub VGA converter to connect to any monitor or projector that has the VGA input connector.

3. Gigabit Ethernet / LAN Port



The port connects to a network hub via the RJ-45 cable and also conforms to 10/100/1000Base-TX transmission protocol.

4. S/PDIF-out Jack



You may connect the S/PDIF output to an external DTS, AC3, or PCM sound processor / decoder in your home stereo

system.

5. USB2.0 Port (x2)



The Universal Serial Bus (USB2.0-compliant) port allows you to connect a wide variety of devices to your computer at a rate of up to 480 Mbps. This port conforms to the latest USB2.0 plug-and-play standards.

6. TV (S-Video) Port

The S-Video port permits you to redirect the screen output to a television set or any analog video playback device. This TV Port is copyright protected; when DVD movie is played, the output is scrambled to prevent analog recording.

7. Stereo Headphone / Line-out Jack



The stereo headphone jack (3.5-mm diameter) is where you connect to the headphones or external speakers.

8. Audio Line-in Jack



The Audio Line-in jack (3.5-mm diameter) is where you connect an external audio input source such as a CD Player.

9. Microphone Jack



The microphone jack (3.5-mm diameter) is where you connect a microphone.

10. IEEE1394 / 1394a Port

1394

This is a high-speed serial data port. You may connect any Fire-wire-ready device to this port.

11. USB2.0 Port (x2)

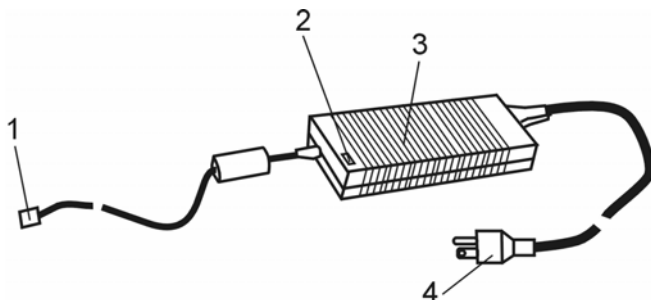


The Universal Serial Bus (USB2.0-compliant) port allows you to connect a wide variety of devices to your computer at a rate of up to 480 Mbps. This port conforms to the latest USB2.0 plug-and-play standards.

12. Ventilation Grill

The fan grill is where air is exchanged to dissipate the internal heat. Do not block this airway completely.

AC Adapter



1. DC-out Connector

The DC-out connector docks to the power jack (DC-in) on the computer.

2. LED Lamp

The LED lamp appears green when the unit is plugged into a valid AC source.

3. Adapter

The adapter converts alternating current into constant DC voltage for the computer.

4. AC Plug

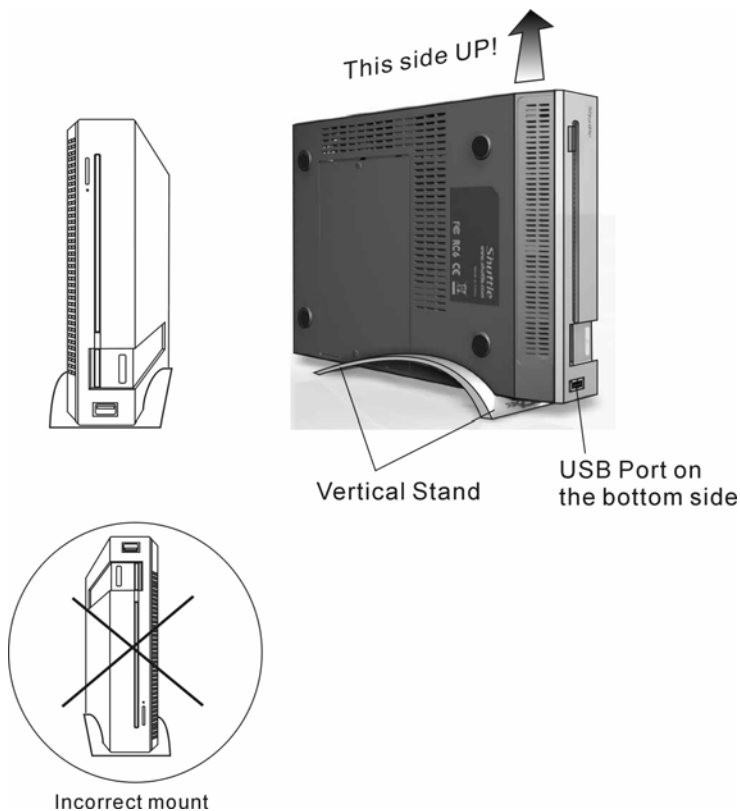
The AC plug plugs to the AC wall outlet.



Warning: Make sure that you are using a standard 3-prong AC plug with a ground pin. If not, you may feel a slight tingling sensation when you touch the computer's metal parts such as the I/O ports. This is caused by a leakage current when the AC adapter is not properly grounded via the ground pin. However, the amount of leakage current is within the safety regulation and is not harmful to the human body.

Using the Vertical Stand

The vertical stand allows you to mount the system vertically; however, you must position the system in a correct manner to prevent thermal-related issue. The following illustration shows you how to correctly position the system onto the stand.

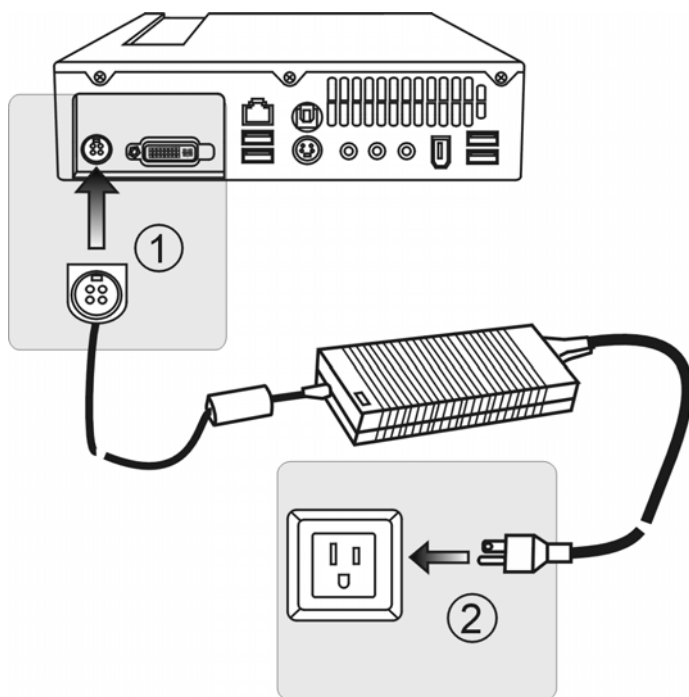


Connecting the System

Before turning on the system, you need to connect the following devices to the XPC first. Please follow the steps according to the illustrations.

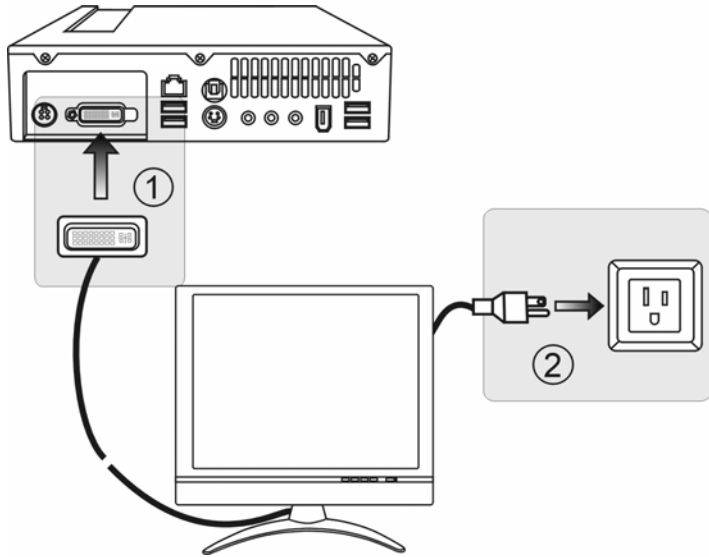
1. Connecting Power

Note: The DC-in connector will only fit in a certain orientation. Make sure the LED on the AC Adapter is lit. Do not press the Power (ON) button yet.

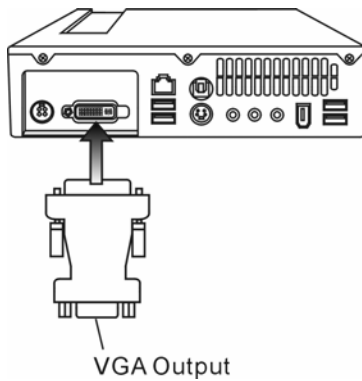


2. Connecting Monitor

Note: The DVI connector will only fit in a certain orientation.



Note: If your monitor only has the VGA input connector, you may plug-in the DVI-to-D-sub VGA connector to get VGA output from the computer.

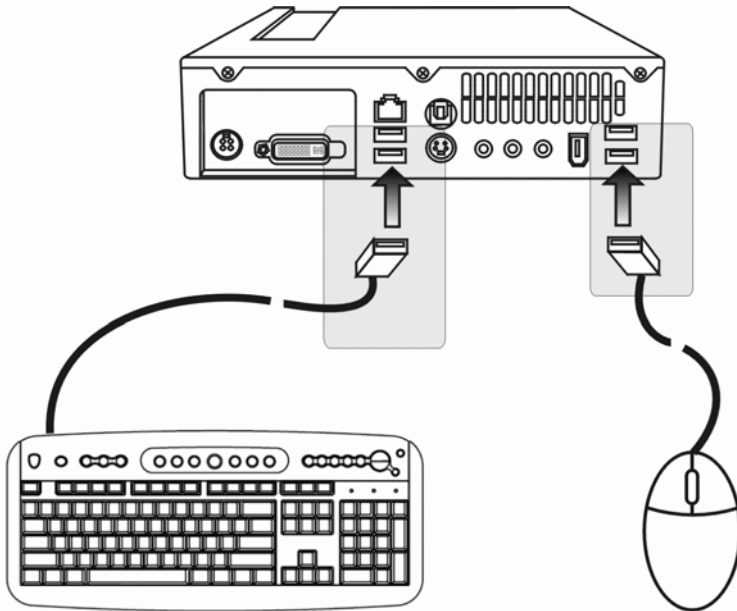


3. Connecting Keyboard and Mouse

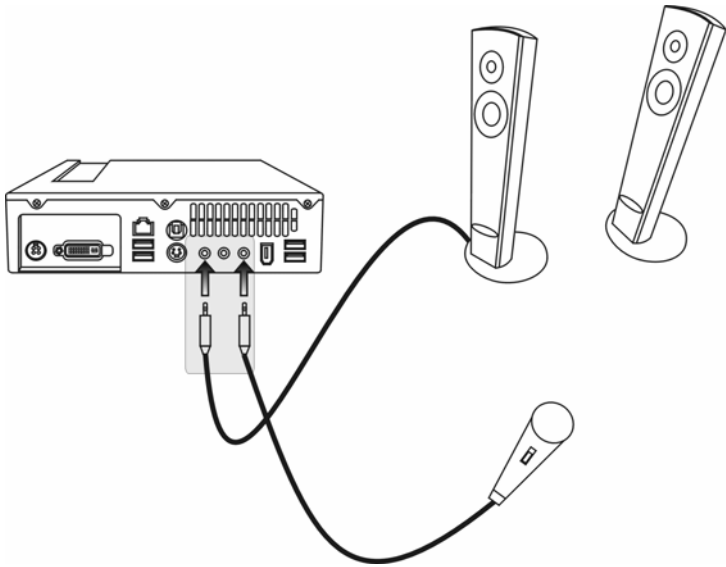
Note: You may plug the USB keyboard and Mouse to any of the available USB port on the system.

Note: The computer does not come with the keyboard and mouse.

Note: The USB Keyboard does not support the Power-On and Wake-Up functions.



4. Connecting Speaker and Microphone



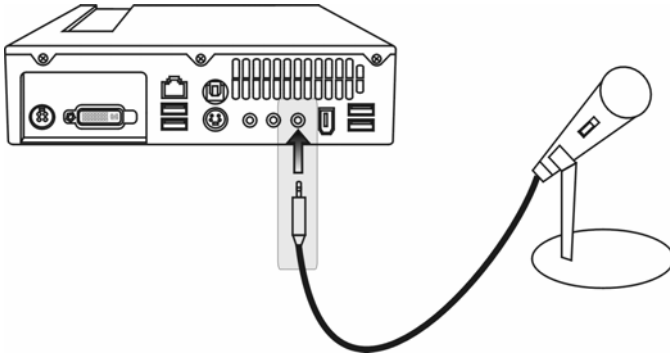
Note: Please make sure that the external speaker is connected to a proper power source.

Adjusting the Audio Volume in Windows

1. Click the speaker symbol in the task tray in Windows.
2. Drag the volume control bar up or down to adjust the volume.
3. To temporarily silence the speaker without changing the volume setting, click Mute.

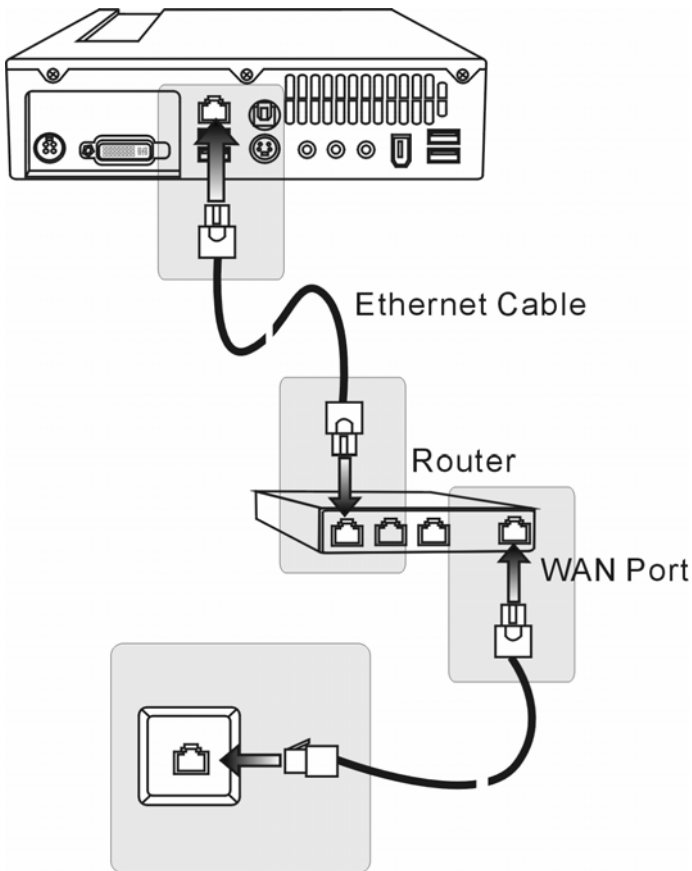
Voice Recording

You will need an external microphone to record sound. You will need to use audio processing software to enable the built-in microphone. For example, you may use Microsoft Sound Recorder.



5. Connecting to LAN

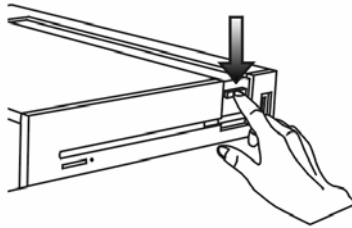
Note: The following illustration shows you how XPC may be connected to the Network via a Router. If you do not have a Router and/or do not need one, you may connect the Ethernet Port directly to the Network Ethernet Port via an Ethernet (RJ45-type) cable. Please refer to the *Ethernet Section* later in this chapter to learn more about cabling restrictions.



6. Powering on the system

You may now turn on the system by pressing the Power (ON) button.

After the system has successfully booted to Windows, you may connect additional devices such as a USB printer, PC camera, or IEEE 1394-type video camera to the system. Once you plug in the device, Windows will search for its driver. If Windows can not find the driver, you may need to provide the device's Factory Installation CD to complete the installation process. Check the device's user manual for detailed instruction.

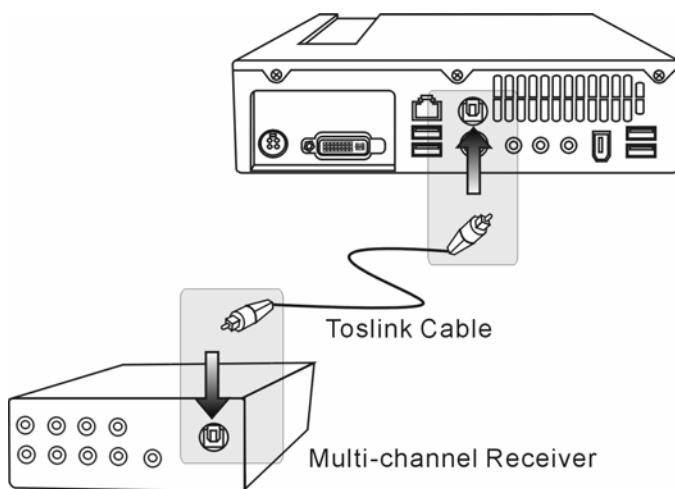


Audio Subsystem – How to Enable the 7.1 Multi-channel Surround Sound System

The system only has a stereo mini-jack that provides line-out signal to a two-speaker configuration. However, if you have the Home Theater Receiver with 7.1 Multi-channel speaker output, you may use the following illustration to build a 7.1-channel entertainment system.

1. Connecting to the multi-channel Receiver via the S/PDIF Toslink cable

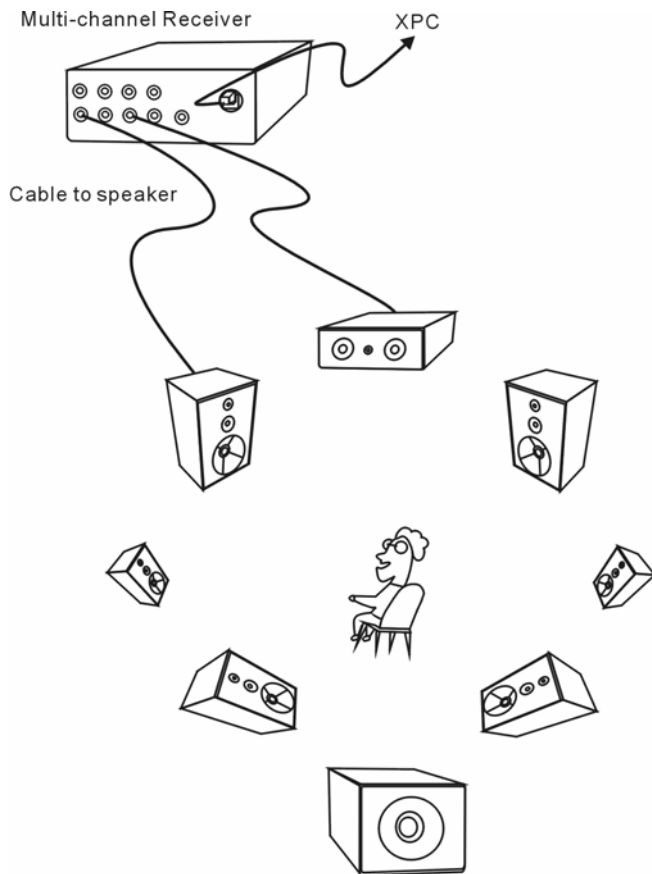
Note: You may need to purchase a Toslink Cable to make connection. Make sure that the Receiver also has the same type of S/PDIF Toslink input jack.



2. Connecting the Speakers to the Receiver

Note: The following illustration assumes that your Receiver has

7.1-channel speaker output. You may need to refer to the Receiver's user manual for speaker connection and the correct settings.



Gigabit Ethernet

Your computer is equipped with a 10/100/1000Base-TX Fast Ethernet network adapter. Connect the active LAN cable to the RJ-45 LAN port located on the left side of the computer. This allows you to access and transmit data in the local area network.

Connecting to the Network

Use Unshielded Twisted Pair (UTP) Ethernet cable only.

1. Insert one end of the UTP cable into the network connector until the connector snaps securely into the receptacle.
2. Either connect the other end of the cable to an RJ-45 jack wall outlet or to an RJ-45 port on a UTP concentrator or hub in the network.

Cabling Restriction for Networks

The following restrictions should be observed for 10/100/1000BASE-TX networks:

- The maximum cable run length is 100 meters(m) (328 feet[ft]).
- For 100Mbps or 1000Mbps operations, use Category 5 wiring and connections.



Note: Consult Windows manual and / or Novell Netware user's guide for the software installation, configuration, operation of the network.
