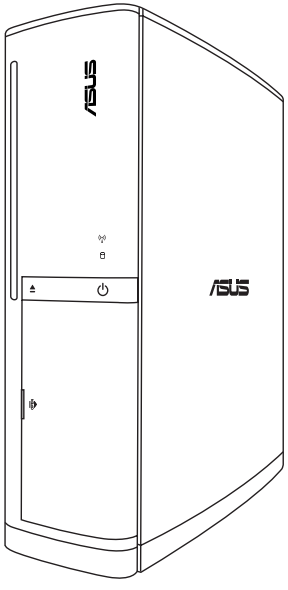
Rock Solid · Heart Touching

ASUS Desktop PC CS5110/CS5111

User Manual



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First Edition V1
October 2007

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Every effort has been made to ensure that the contents of this manual are correct and up to date. However, the manufacturer makes no guarantee regarding the accuracy of its contents, and reserves the right to make changes without prior notice.

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Notices

Federal Communications Commission Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received including interference that may cause undesired operation.

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 manufacturer's 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 to 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.

The use of shielded cables for connection of the monitor to the graphics card is required to assure compliance with FCC regulations. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Canadian Department of Communications Statement

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

This class B digital apparatus complies with Canadian ICES-003.

Macrovision Corporation Product Notice

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only **unless otherwise authorized by Macrovision Corporation**. Reverse engineering or disassembly is prohibited.

Safety information

Your ASUS Desktop PC is designed and tested to meet the latest standards of safety for information technology equipment. However, to ensure your safety, it is important that you read the following safety instructions.

Setting up your system

- Read and follow all instructions in the documentation before you operate your system.
- Do not use this product near water or a heated source such as a radiator.
- Set up the system on a stable surface.
- Openings on the chassis are for ventilation. Do not block or cover these openings. Make sure you leave plenty of space around the system for ventilation. Never insert objects of any kind into the ventilation openings.
- Use this product in environments with ambient temperatures between 0˚C and 40˚C.
- If you use an extension cord, make sure that the total ampere rating of the devices plugged into the extension cord does not exceed its ampere rating.

Care during use

- Do not walk on the power cord or allow anything to rest on it.
- Do not spill water or any other liquids on your system.
- When the system is turned off, a small amount of electrical current still flows. Always unplug all power, modem, and network cables from the power outlets before cleaning the system.
- If you encounter the following technical problems with the product, unplug the power cord and contact a qualified service technician or your retailer.
    - The power cord or plug is damaged.
    - Liquid has been spilled into the system.

- The system does not function properly even if you follow the operating instructions.
- The system was dropped or the cabinet is damaged.
- The system performance changes.

LASER PRODUCT WARNING

CLASS 1 LASER PRODUCT

NO DISASSEMBLY

The warranty does not apply to the products that have been disassembled by users

This symbol of the crossed out wheeled bin indicates that the product (electrical, electronic equipment, and mercury-containing button cell battery) should not be placed in municipal waste. Check local regulations for disposal of electronic products.

Notes for this manual

To make sure that you perform certain tasks properly, take note of the following symbols used throughout this manual.

WARNING: Vital information that you MUST follow to prevent injury to yourself.

IMPORTANT: Instructions that you MUST follow to complete a task.

TIP: Tips and useful information that help you complete a task.

NOTE: Additional information for special situations.

Welcome

Congratulations on your purchase of the ASUS Desktop PC. The package contents of your new Desktop PC are listed below but may vary with models. ASUS reserves the right to replace components or accessories to provide optimum serviceability.

Contact your retailer if any item is damaged or missing.

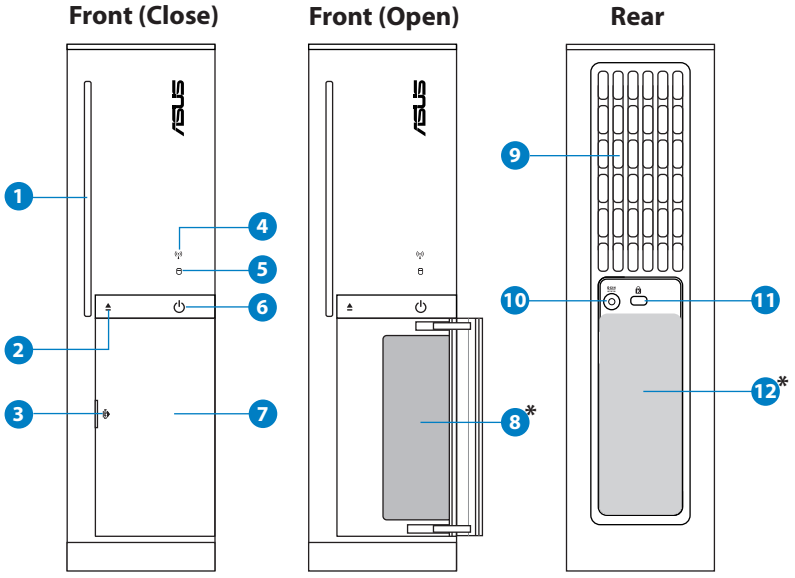
Package contents

- ASUS Desktop PC x1
- Keyboard x1
- Mouse x1
- AC power adapter x1
- Power cord x1
- Support DVD x1
- Recovery DVD x1
- Installation Guide x1
- Anti-slip pad x1
- Warranty card x1
- Remote control (optional) x1

Visit the ASUS website at http://support.asus.com for any updates.

Knowing your Desktop PC

Front / Rear panel features



*The gray areas contain front/rear panel ports. These ports and their locations may vary, depending on the model of your system.

No.	Button/LED	Description
1.		Slot-in optical drive
2.	⏏	Optical drive eject button
3.	OPEN	Slide the front panel cover open
4.	(( ))	Wireless network/Bluetooth LED
5.		Hard disk drive LED
6.	⏻	Power button/LED
7.		Front panel cover

continued on the next page

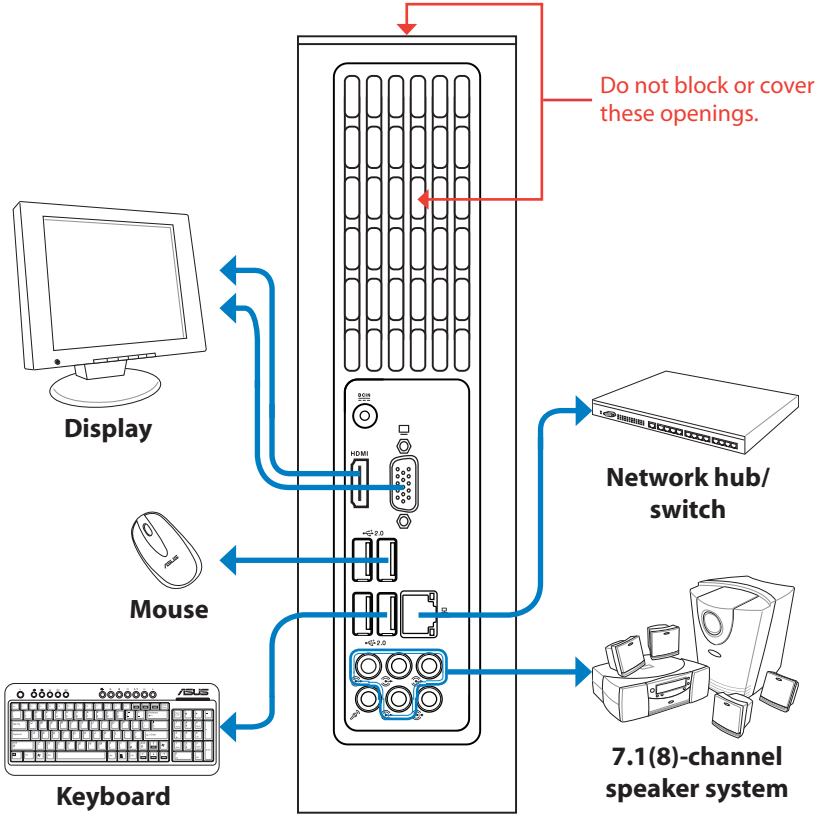
No.	Slot/Port		Description
8.	MS.MS/PRO	MS/MS Pro card slot	Functions as a card reader for various types of memory cards.
	CF	CF card slot	
	MMC.SD.	SD/MMC card slot	
		MS/MS Pro/SD/ MMC card slot	
		4-pin IEEE 1394a port	Connects to an IEEE 1394 device such as a digital camrecorder.
	S/PDIF	S/PDIF In port	Connects to digital audio source.
	2.0	USB 2.0 ports	Connect to USB devices such as a mouse, keyboard, or camera.
		Headphone jack	Plug a stereo or headphones into this jack.
		Microphone jack	Plug a microphone into this jack.
9.		Air vents	Allows ventilation.
10.	DCIN	Power input	Supplies power.
11.		Kensington® Lock port	Allows the PC to be secured to a fixed object using Kensington® compatible security products.
12.		VGA port	Connects to a TV or monitor with different video output.
		HDMI port	
		DVI-D port	
		LAN (RJ-45) port	Plug a network cable into this port.
		USB 2.0 ports	Connect to USB devices such as a mouse, keyboard, or camera.

continued on the next page

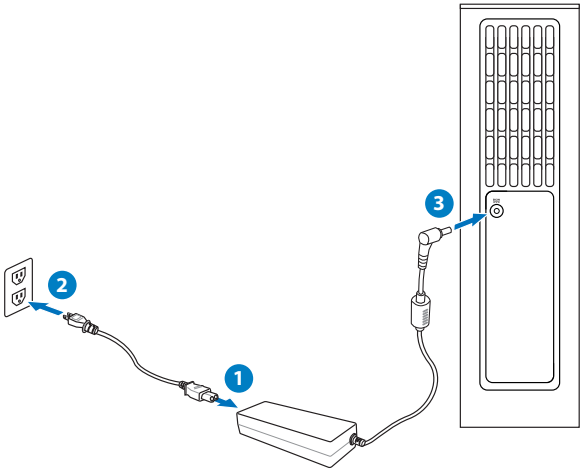
12.		6-pin IEEE 1394a port	Connects to an IEEE 1394 device such as a digital camrecorder.
		Optical S/PDIF Out port	Connects to an amplifier for digital audio output.
		Coaxial S/PDIF Out port	
		5.1(6)-channel audio ports	Connect to a 5.1(6) or 7.1(8)-channel speaker system. Refer to page 15 and 16 for setup details.
		7.1(8)-channel audio ports	

Setting up your Desktop PC

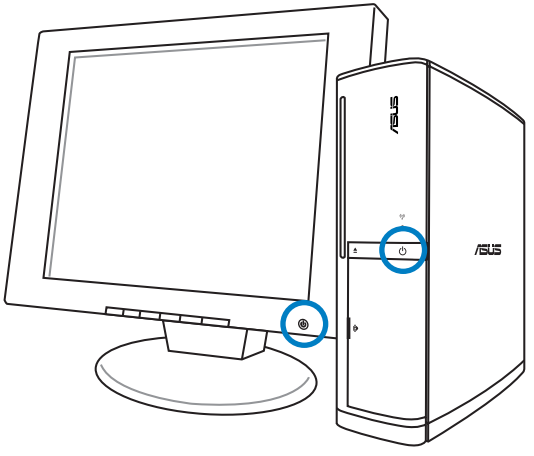
Connecting devices



Connecting the AC power adapter



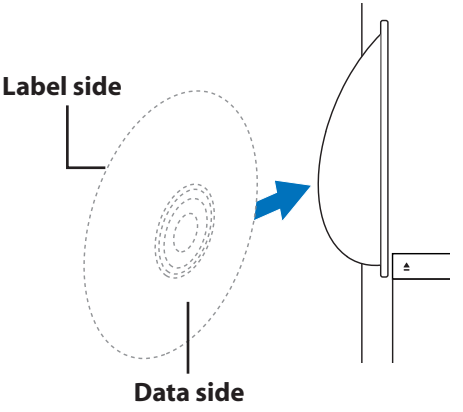
Pressing the power button to turn on the system



Using the optical drive

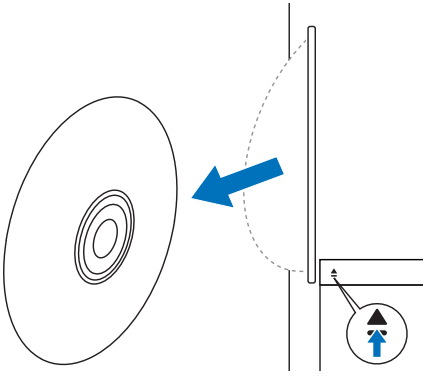
Inserting a disc

1. Place the disc to the slot-in optical drive with the label side facing your left.
2. Slide the disc into the drive.



Ejecting a disc

1. While the system power is on, press the eject button.
2. Remove the disc from the opening.



Configuring audio setup

ASUS Desktop PC comes with six audio jacks on the rear panel that support up to 7.1 channel audio configurations.

Speaker configurations

You may set up your Desktop PC with the following speaker configurations:

Audio jack	Speaker layout	
	Headphones	
	2 (stereo)	Left speaker, right speaker.
	2.1	Left speaker, right speaker, and a subwoofer.
	4.1	Two front speakers, two rear speakers, and a subwoofer.
	5.1(6)	Two front speakers, two rear speakers, a center speaker, and a subwoofer.
	7.1(8)	Two front speakers, two rear speakers, two side speakers, a center speaker, and a subwoofer.

Speaker types

A stereo speaker set is a left-right, two channel speaker system. A multi-channel audio speaker has a left-right front and left-right rear channel, and it may include a subwoofer and a center speaker. Side speakers are included in a more advanced system. A subwoofer provides enhanced bass sounds.

".1" indicates a subwoofer. For instance, 7.1 channels refers to an eight-speaker mode and uses two front speakers (left-right), two rear speakers (left-right), two side speakers (left-right), a center speaker, and a subwoofer.

Connecting to speakers

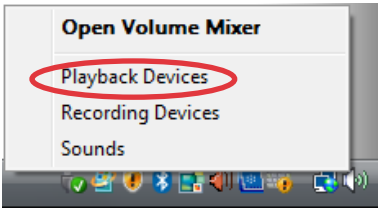
Refer to the table below for the audio jacks on the rear panel and their functions.

Audio jack	Description
	Line In (light blue) connects to an analog audio source like a CD/DVD player.
	Line Out (lime) connects to a headset or front speakers.
	Microphone (pink) connects to a microphone.
	Center/Subwoofer (orange) connects to a center speaker or a subwoofer.
	Rear Out (black) connects to rear speakers.
	Side Out (gray) connects to side speakers.

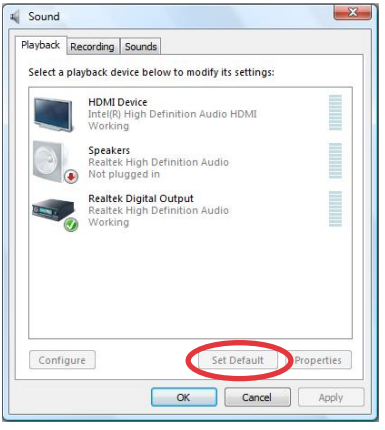
Configuring audio output settings

After connecting a speaker system to your Desktop PC, follow the steps below to configure audio output:

1. Right-click the volume icon on the Windows® Vista™ taskbar and select **Playback Devices**.



2. Under the Playback window, select an audio device and click **Set Default**.
3. Click **OK** and you will see a check beside the device you select.



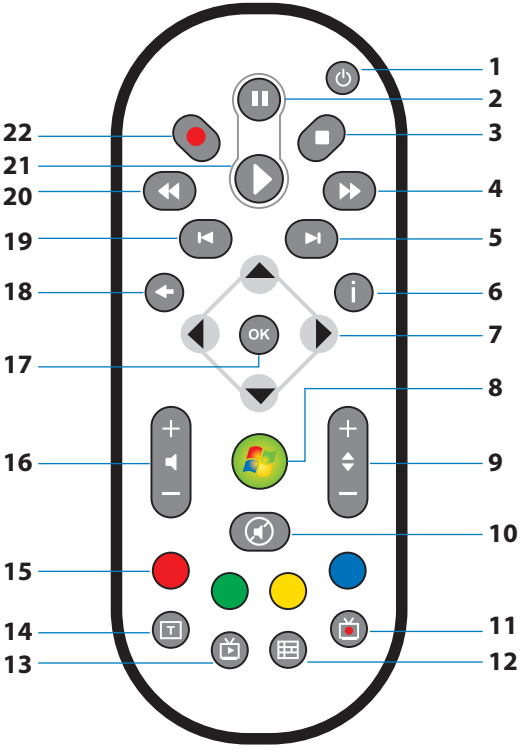
4. Relaunch your media player, e.g. Windows® Media Player or Power DVD, and the device you set will serve as the default audio output device.

- You must relaunch your media player to effect the audio output device settings.
- If you want to set up a recording device, select **Recording Devices** in Step 1 and do what resembles Step 2 and 3.
- If you use an HDMI display with S/PDIF audio output, set **Realtek Digital Output** as the default in Step 2.

Using the Media Center remote (optional)

Use the remote to launch the Media Center program to play media files such as music and movies. You can also install an external TV box to watch TV and record TV programs.

Refer to the table below to familiarize yourself with the functions of the remote control buttons.



No.	Button	Description
1.	Power	Press to turn on/off the power of the screen and the speakers.
2.	Pause	Press to pause a playback.
3.	Stop	Press to stop playing a media file.

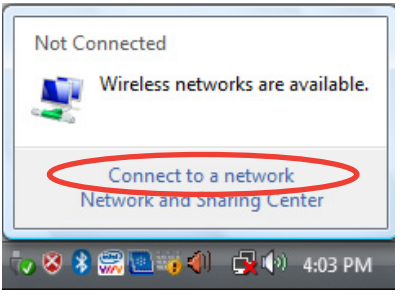
4.	Fast-foward	Press to fast-forward a media file.
5.	Next track	Press to go to the next track.
6.	Information	Press to display program information under Media Center or other menu options.
7.	Four-way navigation keys	Press to scroll through on-screen display menus.
8.	Windows® Media Center	Press to launch the Media Center program.
9.	Channel up/down	Press to change TV channels.*
10.	Mute	Press to disable audio output.
11.	Recorded TV	Press to display a list of your recorded TV programs.*
12.	EPG (Electronic Program Guide)	Press to display the electronic program guide screen.*
13.	Live TV button	Press to watch live TV programs. *
14.	Shift	Toggles between numerical and alphabetical input.
15.	Teletext buttons	Available on European models only.
16	Volume up/down	Press to increase/decrease the volume.
17.	OK	Press to confirm an action.
18.	Return	Press to return to the previous page.
19.	Previous track	Press to go back to the previous track.
20.	Rewind	Press to rewind a media file.
21.	Play	Press to play a media file
22	Record	Press to start recording TV.

*The system does not come with built-in TV tuner. To use the TV function, purchase an external TV box first.

Wireless network connection (optional)

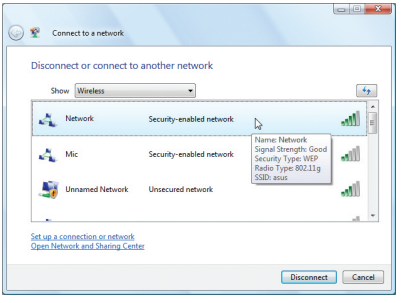
To connect to a wireless network, follow the instructions below.

1. On the Windows® taskbar, right-click on the network icon and select **Connect to a network**.



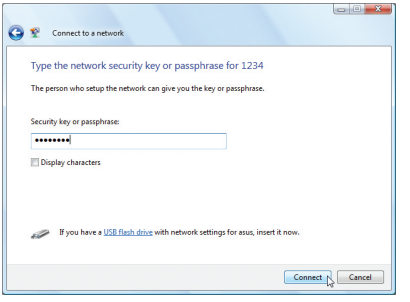
2. Select the wireless network you want to connect to from the list.

Select Show **Wireless** if there are many networks in your area.

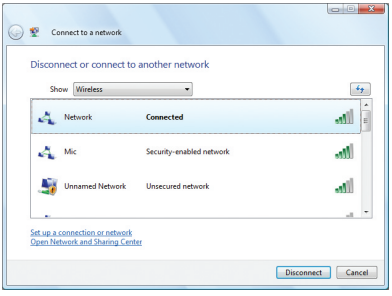


3. Enter the security key or passphrase if necessary.

This screen does not appear if no security key is needed.



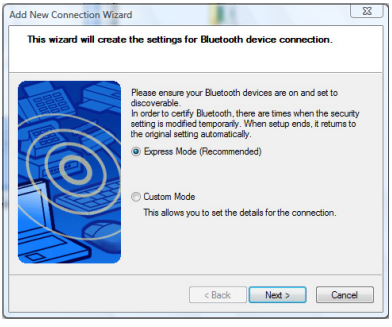
4. When a connection is established, the network status shows **Connected**.



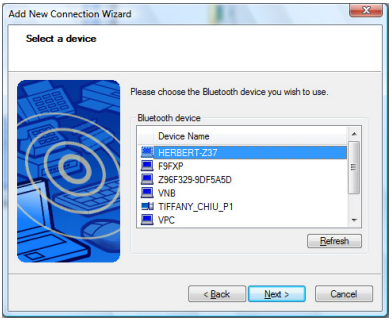
Bluetooth connection (optional)

To connect to Bluetooth-enabled devices, follow the instructions below.

1. Double-click the Bluetooth icon on the Windows® taskbar to start the connection wizard.

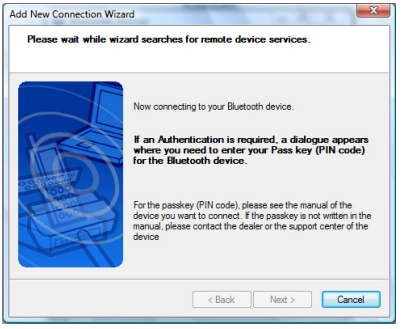


2. Select the Bluetooth device you want to connect to from the list and click **Next** to continue.

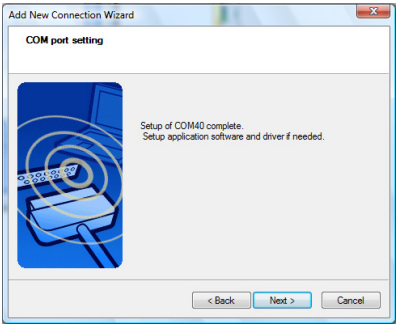


If you do not see the device you want to connect to on the list, click **Refresh** to search for it.

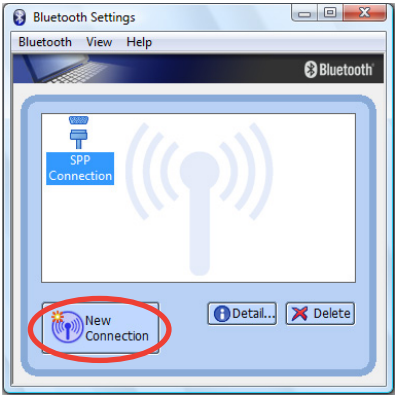
3. Enter the password for the device if authentication is required.



4. When the setup is completed, click **Next** to continue.



5. The device you are connecting to is shown.
6. Click the **New Connection** button and follow steps 1 to 5 to add more Bluetooth devices.



Recovering your system

Using the recovery DVD

The recovery DVD includes an image of the operating system installed on your system at the factory. The recovery DVD, working with the support DVD, provides a comprehensive recovery solution that quickly restores your system to its original working state, provided that your hard disk drive is in good working order. Before using the recovery DVD, copy your data files (such as Outlook PST files) to a USB device or to a network drive and make note of any customized configuration settings (such as network settings).

1. Turn on your ASUS Desktop PC and the ASUS logo appears. Press **F8** to enter the **Please select boot device** menu.
2. Insert the recovery DVD into the optical drive and select the optical drive ("CDROM:XXX") as the boot device. Press **Enter** and then press any key to continue.
3. The **Windows Boot Manager** window appears. Select **Windows Setup [EMS Enabled]** and press **Enter**. Wait when the **Windows is loading files** message appears.
4. Select where to install a new system. Options are:

   Recover system to a partition

   This option will delete only the partition you select from below, allowing you to keep other partitions, and create a new system partition as drive "C." Select a partition and click **NEXT**.

   Recover system to entire HD

   This option will delete all partitions from your hard disk drive and create a new system partition as drive "C." Select and click **Yes**.
5. Follow the on-screen instructions to complete the recovery process.

You will lose all your data during the system recovery. Make sure that you make a backup of it before recovering the system.

6. After the system recovery is completed, you will be asked to insert the support DVD into the optical drive. Click **OK** and the system reboots.
7. After the system reboots, Windows® Vista™ will begin system configurations. Follow the on-screen instructions to complete the process, and then restart the computer.

This recovery DVD is for ASUS Desktop PC only. DO NOT use it on other computers. Visit the ASUS website www.asus.com for any updates.

Troubleshooting

Read the following Q&As for troubleshooting guide. If these do not give you answers, you may contact us directly at the contact information provided in the support DVD.

What can I do if my Desktop PC cannot be powered on?

Check if the power LED on the front panel lights up. It does not light up if no power is supplied to the system.

- Find out if the power cord is plugged in.
- When you use an extension cord or a voltage regulator, ensure that you have plugged it into the wall socket and switched it on.

What can I do if my Desktop PC cannot enter the operating system?

- Make sure that you use memory modules that the system supports and that you install them properly on the sockets.
- Check if your peripheral devices are compatible with the system. Some USB storage devices, for example, are with different disk drive structure and enter sleep mode easily.

If the above steps do not solve the problem, contact your retailer or perform system recovery using the supplied recovery DVD.

You will lose all your data during the system recovery. Make sure that you make a backup of it before recovering the system.

Why is it that I cannot hear anything from my speakers/ headphones?

Check the volume icon on the Windows® taskbar to see if it is set to mute . If so, double-click this icon to display the volume bar, and then click the mute icon under the bar to cancel the muted mode .

Why is it that a CD/DVD cannot be read from or written to?

- Make sure that you use a disc compatible with the optical drive.
- Check if you insert the disc properly or if there is any scratch on the disc.
- Find out if the disc is with write protection.