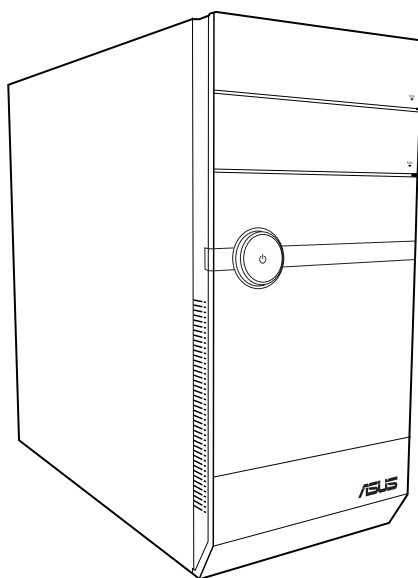


ASUS Essentio Desktop PC

User Manual



E4712

First Edition V1

May 2009

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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

ASUS REACH

Complying with the REACH (Registration, Evaluation, Authorisation, and Restriction of Chemicals) regulatory framework, we published the chemical substances in our products at ASUS REACH website at <http://green.asus.com/english/REACH.htm>

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.

RF exposure warning

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provide with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

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.

Lithium-Ion Battery Warning

CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.

VORSICHT: Explosionsgefahr bei unsachgemäßen Austausch der Batterie. Ersatz nur durch denselben oder einem vom Hersteller empfohlenem ähnlichen Typ. Entsorgung gebrauchter Batterien nach Angaben des Herstellers.

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 35°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

Thank you for purchasing 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

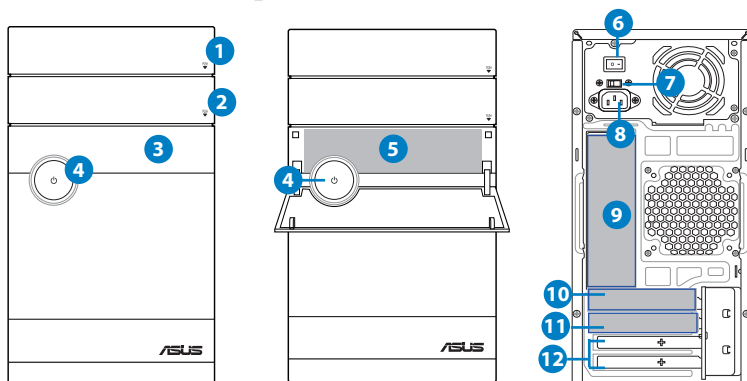
- ASUS Desktop PC x1
- Keyboard x1
- Mouse x1
- Power cord x1
- Support DVD x1
- Recovery DVD x1
- Installation Guide x1
- Warranty card x1
- Antenna (optional) x2











Visit the ASUS website at <http://support.asus.com> for 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. |  PUSH | Push to eject the optical disk drive. |
| 2. |  PUSH | Push to open the HDD bay cover. |
| 3. | Front panel cover | Pull to open the front panel cover. |
| 4. |  Power button | Press this button to turn the system on. |
| 5. |  IEEE 1394a port | Connects to an IEEE 1394 device such as a digital camrecorder. |
| |  USB 2.0 ports | Connects to USB devices such as a mouse or keyboard. |
| |  Microphone port | Connects to a microphone. |
| |  Headphone port | Connects to a headphone. |
| |  CompactFlash®/ Microdrive™ card slot | Insert a CompactFlash®/ Microdrive™ card into this slot. |

| NO. | Slot/Port | Description |
|-----|---|---|
| 5. |  MemoryStick®/ Memory Stick Pro™ card slot | Insert a MemoryStick®/ Memory Stick Pro™ card into this slot. |
| |  Secure Digital™/ Multimedia card slot | Insert a Secure Digital™/ Multimedia card into this slot. |
| 6. | Voltage selector | Selects the input voltage. |
| 7. | Power switch | Switches on/off the power supply. |
| 8. | Power connector | Connects to a power outlet. |
| 9. |  PS/2 keyboard port | Connects to a PS/2 keyboard. |
| |  USB 2.0 ports | Connects to USB devices such as a mouse or keyboard. |
| |  Optical S/PDIF Out port | Connects to an amplifier for digi- tal audio output. |
| |  LAN (RJ-45) port | Connects to a Local Area Net- work (LAN) through a network hub. |
| |  DVI port | Connects to a DVI monitor or other DVI-compatible devices. |
| |  VGA port | Connects to a VGA monitor or other VGA-compatible devices. |
| |  HDMI port | Connects to a HDMI monitor or other HDMI-compatible devices. |
| |  7.1 (8)-channel audio ports | Connects to a 7.1(8)-channel speaker system. |

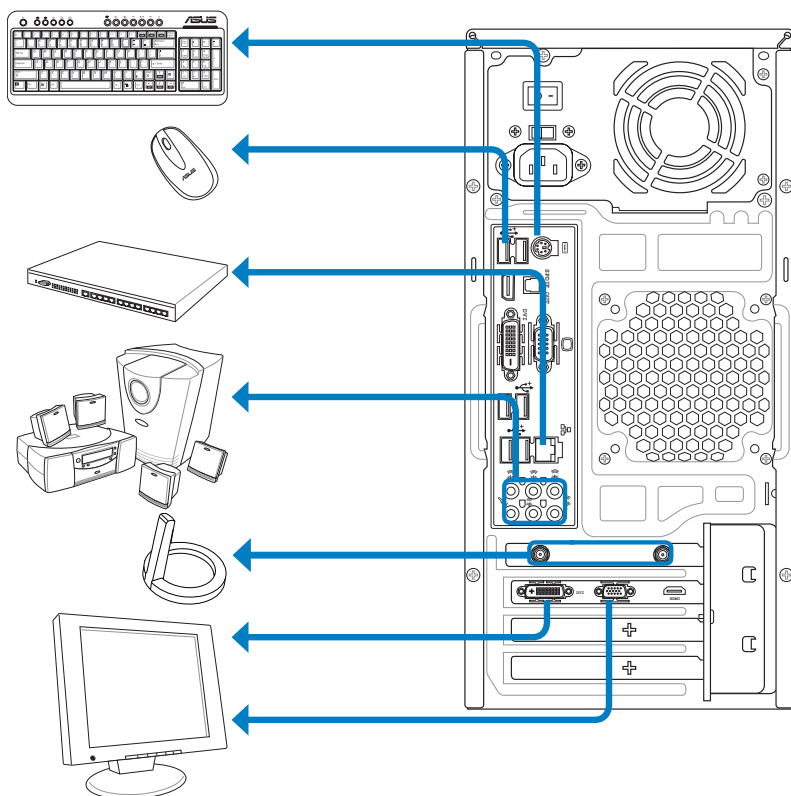
| NO. | Slot/Port | Description |
|-----|---|--|
| 10. |  WLAN card module (Optional) | Connects antenna to enjoy the digital content through the latest wireless technology. |
| 11. |  VGA port | Connects to a VGA monitor or other VGA-compatible devices. |
| |  DVI port | Connects to a DVI monitor or other DVI-compatible devices. |
| |  HDMI port | Connects to a HDMI monitor or other HDMI-compatible devices. |
| |  S-Video port | Connects your computer to a media hardware such as a DVD player, or to a display monitor such as a TV. |
| 12. | Expansion slots | Support expansion cards. |



If the memory card does not fit properly into the slot, invert the memory card and try to install into the slot again.

Setting up your Desktop PC

Connecting devices



Illustrations are for reference only. Actual product specifications may vary.



- It is recommended that you use this product in environments with an ambient temperature below 35°C.
- Do not block or cover the air vents on the chassis.

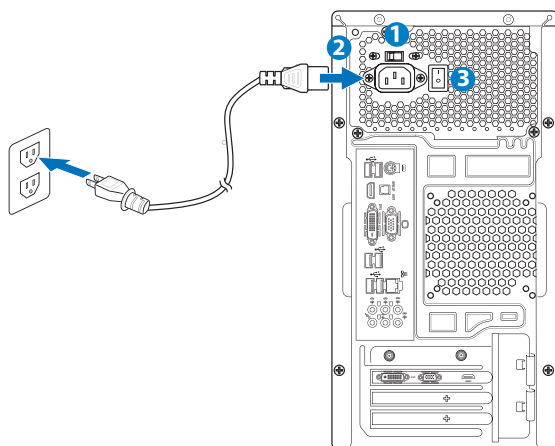
Connecting the power

1. Switch the voltage selector to select the appropriate input voltage according to the voltage supply in your area.

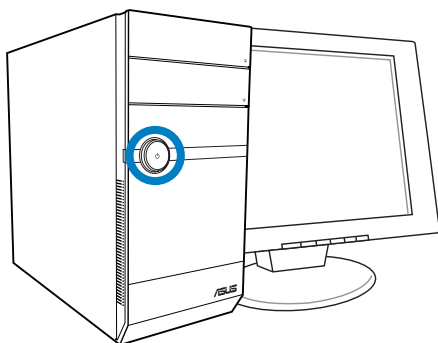


Setting the voltage selector to 115V in a 230V area damages your system!

2. Connect one end of the power cord to the power connector and the other end to a wall power outlet.
3. Press the power switch.



Pressing the power button to turn on the system



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 deletes only the partition you select from below, allowing you to keep other partitions, and creates a new system partition as drive "C".

Recover system to entire HD

This option deletes all partitions from your hard disk drive and creates a new system partition as drive "C".

5. Follow the onscreen instructions to complete the recovery process.



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

6. Insert the Support DVD into the optical drive when prompted. Click **OK** and the system reboots.
7. After the system reboots, Windows® Vista™ begins system configurations. Follow the onscreen 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 at www.asus.com for updates.

Troubleshooting

This section provides solutions to some common problems which you may encounter when using the ASUS Desktop PC. Contact the ASUS technical support if the problem still exists after you have performed the troubleshooting solutions.

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.

- Check if the power cord is plugged in.
- When you use an extension cord or a voltage regulator, check if you have plugged it into a power outlet and switched it on.

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

- Check if you use the memory modules that the system supports and if you install them properly.
- Check if your peripheral devices are compatible with the system. For example, some USB storage devices are with different disk drive structure and enter the 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. Ensure that you make a backup of it before recovering the system.

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

Check if the volume icon in the Windows® taskbar is set to the

Mute mode . If so, double-click this icon to display the volume bar, and then deselect the **Mute** checkbox to disable the **Mute** mode .

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

- Check if 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.