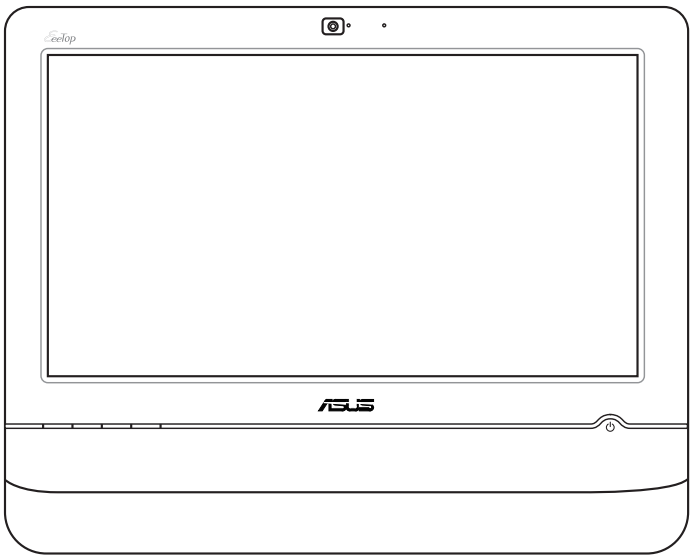
English

EeeTop PC

User Manual



ET20 Series

English

E5211

Second Edition V2
November 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

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.

CAUTION: Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the 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.

IC Radiation Exposure Statement for Canada

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. To maintain compliance with IC RF exposure compliance requirements, please avoid direct contact to the transmitting antenna during transmitting. End users must follow the specific operating instructions for satisfying RF exposure compliance.

Operation is subject to the following two conditions:

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

Declaration of Conformity (R&TTE directive 1999/5/EC)

The following items were completed and are considered relevant and sufficient:

- Essential requirements as in [Article 3]
- Protection requirements for health and safety as in [Article 3.1a]
- Testing for electric safety according to [EN 60950]
- Protection requirements for electromagnetic compatibility in [Article 3.1b]
- Testing for electromagnetic compatibility in [EN 301 489-1] & [EN 301]
- Testing according to [489-17]
- Effective use of the radio spectrum as in [Article 3.2]
- Radio test suites according to [EN 300 328-2]

CE Mark Warning

This is a Class B product, in a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

Wireless Operation Channel for Different Domains

N. America	2.412-2.462 GHz	Ch01 through CH11
Japan	2.412-2.484 GHz	Ch01 through Ch14
Europe ETSI	2.412-2.472 GHz	Ch01 through Ch13

NO DISASSEMBLY

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

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.

No Exposure to Liquids

DO NOT expose to or use near liquids, rain, or moisture. This product is not waterproof or oil-proof.

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.

DO NOT throw the battery in municipal waste. The symbol of the crossed out wheeled bin indicates that the battery should not be placed in municipal waste.

REACH

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

Takeback and Recycling

Old computers, notebook computers, and other electronic equipment contain hazardous chemicals that are harmful to the environment when disposed in a landfill with trash. By recycling, the metals, plastics, and components found in an old computer will be broken down and reused to make new products. And, the environment is protected from any uncontrolled release of harmful chemicals.

ASUS works with recycling vendors with the highest standards for protecting our environment, ensuring worker safety, and complying with global environmental laws. Our commitment to recycling our old equipment grows out of our work to protect the environment in many ways.

For further information about ASUS product recycling and contacts, please visit GreenASUS Takeback and Recycling page at http://green.asus.com/english/takeback.htm.

Notes for this manual

To ensure 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.

All illustrations and screenshots in this manual are for reference only. Actual product specifications and software screen images may vary with territories. Visit the ASUS website at www.asus.com for the latest information.

English

Safety information

Your EeeTop PC ET20 Series 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. Ensure that 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, ensure that the total ampere rating of the devices plugged into the extension cord does not exceed its ampere rating.

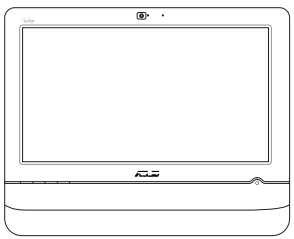
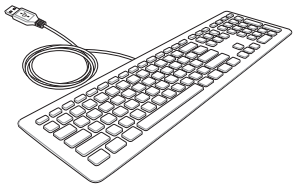
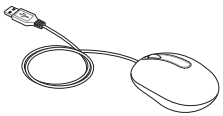
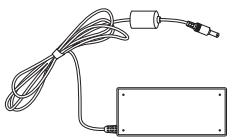
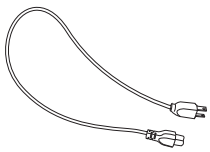
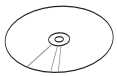
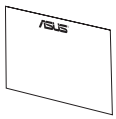
Care during use

- 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.
- The touch screen requires periodic cleaning to achieve the best touch sensitivity. Keep the screen clean from foreign objects or excessive dust accumulation. To clean the screen:
    - Turn off the system and disconnect the power cord from the wall.
    - Spray a small amount of a household glass cleaner onto the supplied cleaning cloth and gently wipe the screen surface.
    - Do not spray the cleaner directly on the screen.
    - Do not use an abrasive cleaner or a coarse cloth when cleaning the screen.
- 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.

Welcome

Congratulations on your purchase of EeeTop PC ET20 Series. The following illustration displays the package contents of your new product. If any of the following items is damaged or missing, contact your retailer.

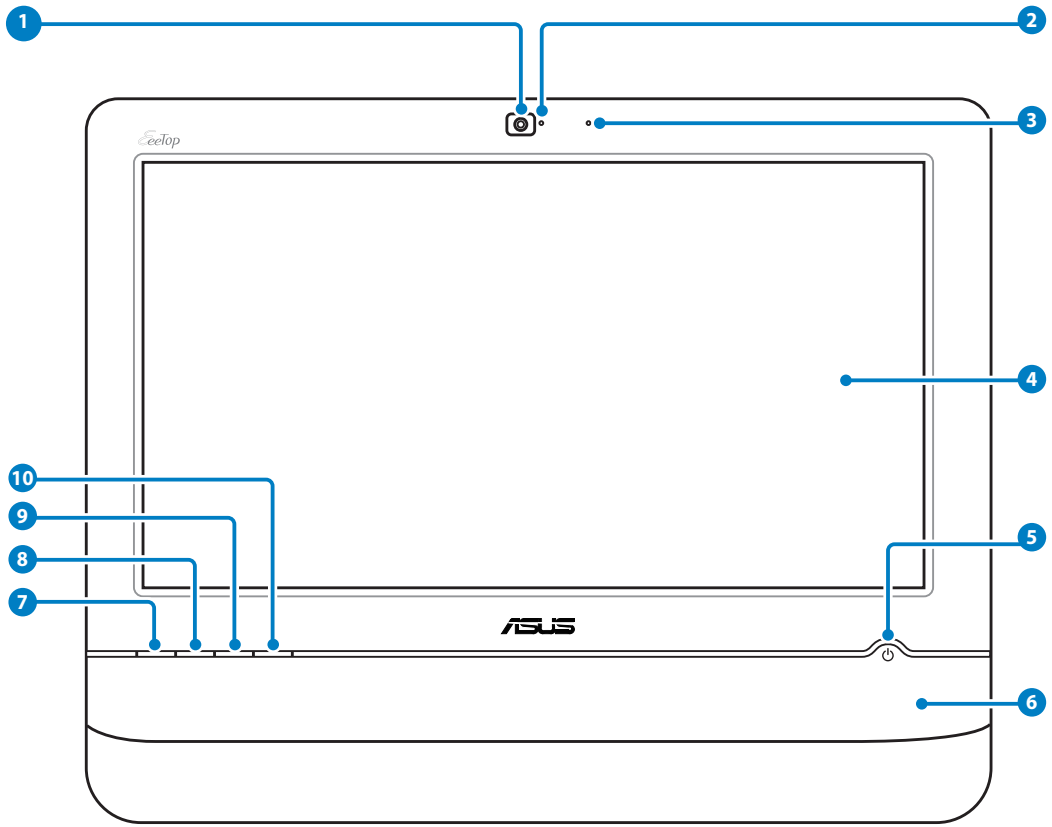
Package contents

		
EeeTop PC ET20 Series	**Keyboard**	**Mouse**
		
AC adapter	**Power cord**	**Support DVD**
	**Note:** **1. The number and content of the discs may vary with territories.** **2. The keyboard, mouse, and power supply illustrations are for reference only. Actual product specifications may vary with territories.**	
Warranty card		

Getting to know your EeeTop PC

Front view

Refer to the following diagram to identify the components on this side of the system.



1 **Webcam**

The built-in webcam with the built-in digital microphone allows you to start video chats online.

2 **Webcam LED**

Indicates that the built-in webcam is enabled.

3 Microphone (Built-in)

The built-in microphone can be used for video conferencing, voice narrations, audio recordings, and multimedia applications.

To optimize the microphone performance through Realtek HD Audio Manager:

1. Double-click in the notification area to open **Realtek HD Audio Manager**.
2. Click the **Microphone** tab and click **Noise Suppression** and **Acoustic Echo Cancellation** to enhance the microphone performance.
3. When done, click **OK**.

4 LCD display

The 20-inch LCD display, with an optimal resolution of 1600 x 900.

5 Power switch

The power switch allows you to switch the system ON/OFF.

6 **Hard disk drive LED**

Indicates hard disk drive activity.

Wireless LAN LED

Indicates that the internal wireless LAN is enabled. (Windows® software settings are necessary to use the wireless LAN.)

7 **Up Button**

Press to scroll up when navigating the menu.

8 **Menu Button**

Press to display the menu.

9 **Down Button**

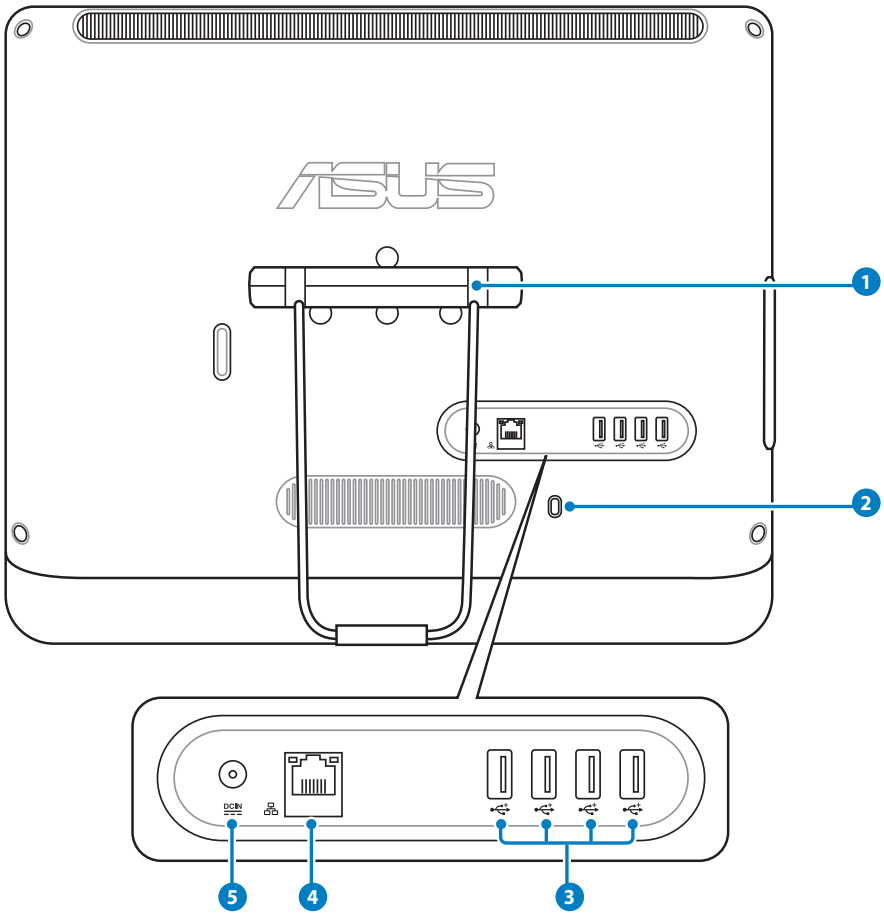
Press to scroll down when navigating the menu.

10 **Home Button**

Press to switch between system desktop and applications.

Rear view

Refer to the following diagram to identify the components on this side of the system.



1 **Stand**

Allows you to position the system upright.

2 **Kensington® Lock port**

The Kensington® lock port allows the computer to be secured using Kensington® compatible security products. These security products usually include a metal cable and lock that prevent the computer to be removed from a fixed object.

3 **USB port**

The Universal Serial Bus (USB) port is compatible with USB devices such as keyboards, mouse devices, cameras, and hard disk drives.

4 **LAN port**

The eight-pin RJ-45 LAN port supports a standard Ethernet cable for connection to a local network.

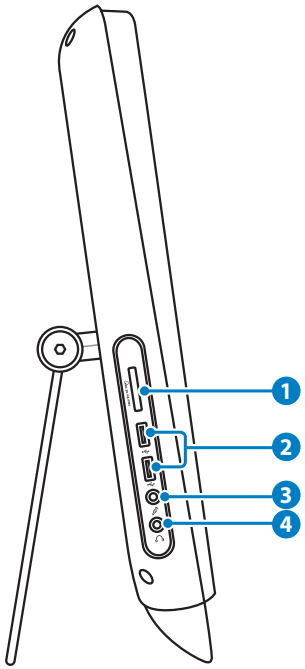
5 **Power input (DC 19V)**

The supplied power adapter converts AC power to DC power for use with this jack. Power supplied through this jack supplies power to the PC. To prevent damage to the PC, always use the supplied power adapter.

The power adapter may become warm or hot when in use. Do not cover the adapter and keep it away from your body.

Side views

Refer to the following diagrams to identify the components on both sides of the system.



1 **Memory card reader**

Normally an external memory card reader must be purchased separately in order to read memory cards. This EeeTop PC has a built-in memory card reader that supports MMC/SD/SD HC/MS/MS Pro cards used in devices like digital cameras, MP3 players, mobile phones, and PDAs.

2 **USB port**

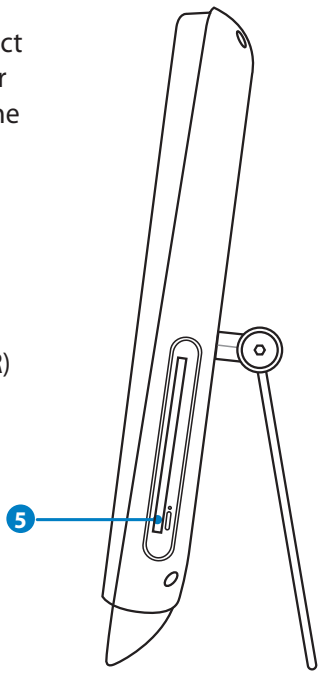
The Universal Serial Bus (USB) port is compatible with USB devices such as keyboards, mouse devices, cameras, and hard disk drives.

3 **Microphone jack**

The microphone jack is designed to connect a microphone used for video conferencing, voice narrations, or simple audio recordings.

4 **Headphone/Audio Out jack**

The stereo headphone jack (3.5mm) is used to connect the system's audio out signal to amplified speakers or headphones. Using this jack automatically disables the built-in speakers.



5 **Optical Drive**

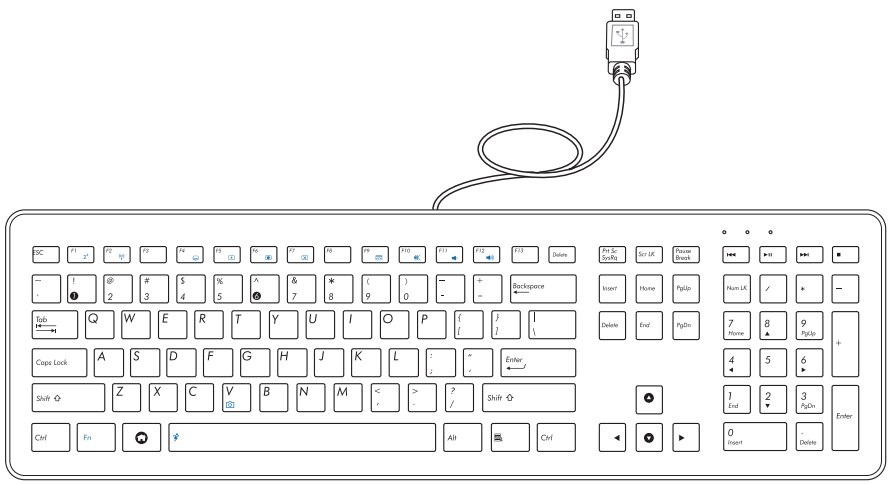
The system comes in various models with different optical drives, tray-in type or slot-in type. The built-in optical drive may support compact discs (CD) and/or digital video discs (DVD), and may have recordable (R) or re-writable (RW) capabilities. See the marketing specifications for details on each model.

English

Using the keyboard

Your EeeTop PC comes with a wired keyboard that facilitates your control of the system.

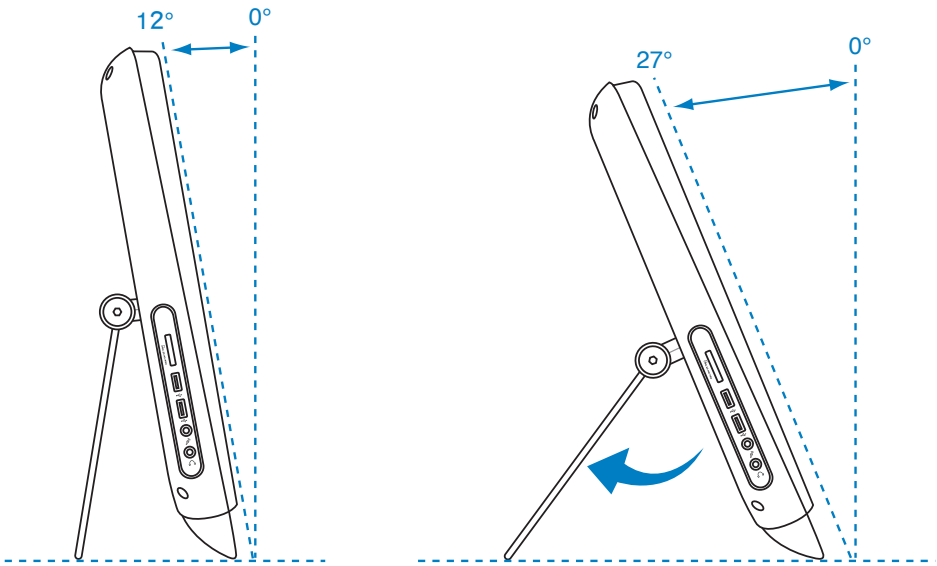
The following keyboard illustration is for reference only. Actual product specifications may vary with territories.



Positioning your EeeTop PC

Placing on the desktop

Place your EeeTop PC on a flat surface such as a table or desk, and pull the stand open until it snaps in place. Then, tilt the display panel to an angle of between 12 and 27 degrees from an upright position.

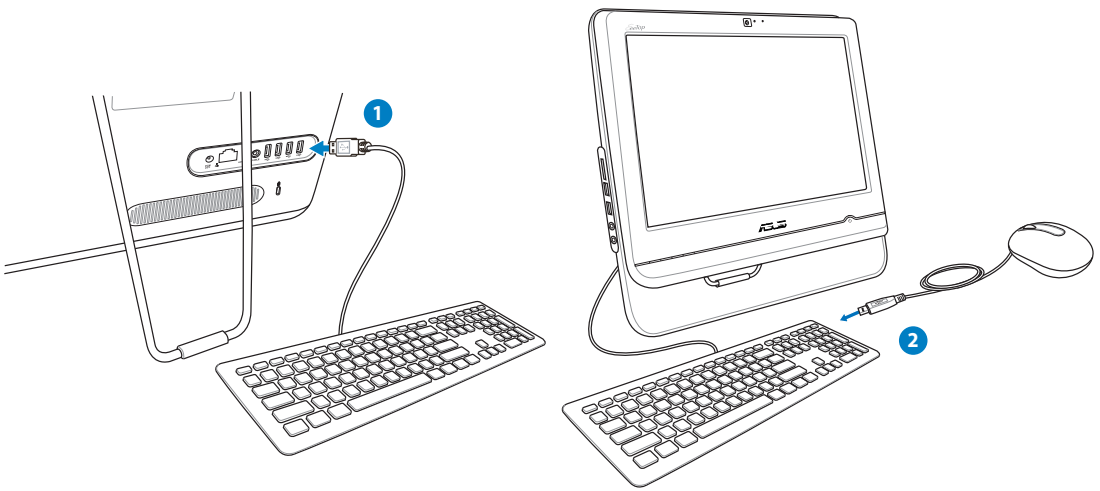


English

Setting up your EeeTop PC

Connecting the wired keyboard and mouse

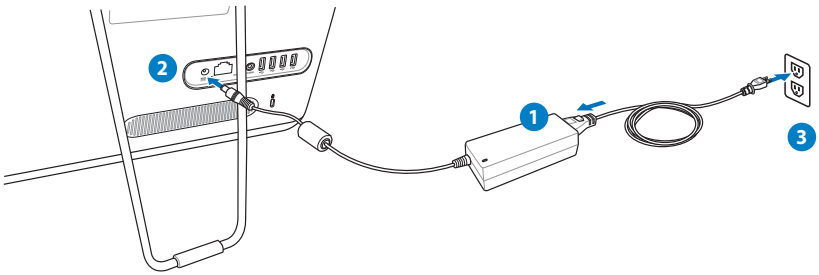
Connect the keyboard to the **USB** port on the rear panel (1). You may also connect the keyboard to the **USB** port on the left side if the keyboard cable is not long enough. Then, connect the mouse to the keyboard **USB** port (2) (available on selected models).



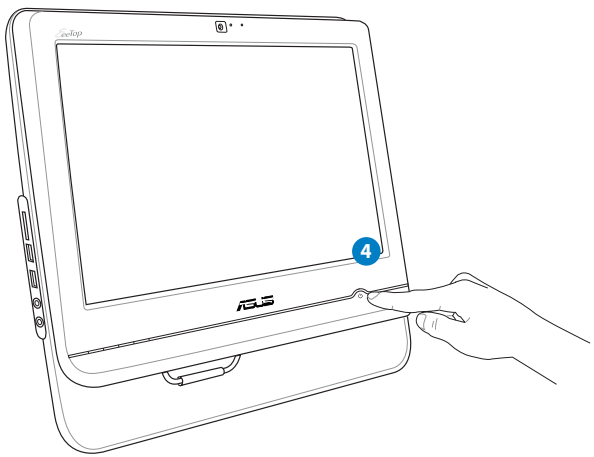
- If there is no USB port on the keyboard, connect the mouse to any of the USB ports on your EeeTop PC.
- The illustrations above are for reference only. Actual appearances and specifications of the keyboard and mouse may vary with territories.

Powering on the system

Connect the supplied AC adapter to the **DC IN** jack on the rear panel (1 2 3) and then press the **Power switch** on the front panel (4) to turn on the system.



WARNING! DO NOT connect the AC power cord to an AC outlet prior to connecting the DC plug to the system. Doing so may damage the AC-DC adapter.



Powering off

- To put the system into suspend mode, press the **Power switch** on the front panel. To bring the system back to the OS, press the **Power switch** again, click the mouse, touch the display, or press any key on the keyboard.
- To shut down the system completely, follow the normal Windows shutdown process or press and hold the **Power switch** for five seconds.

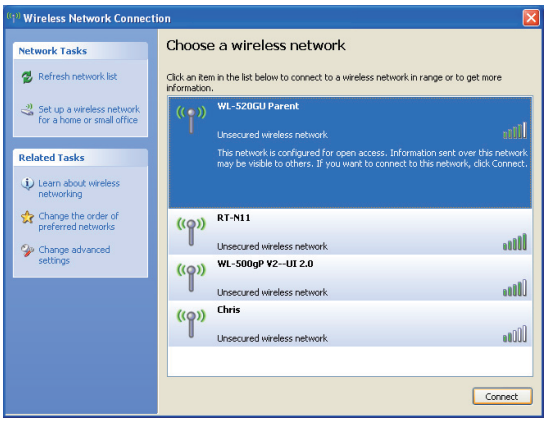
English

Configuring a wireless connection

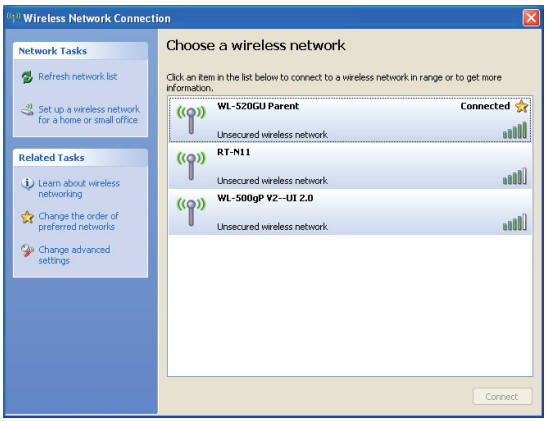
1. From the Windows® notification area, right-click the **wireless network** icon and select **View Available Wireless Networks**.

2. Select the wireless network you want to connect to from the list and click **Connect**.

Enter the network security key if necessary.



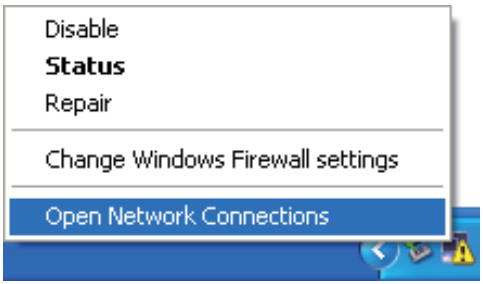
3. After establishing a successful connection, the connection status is displayed.



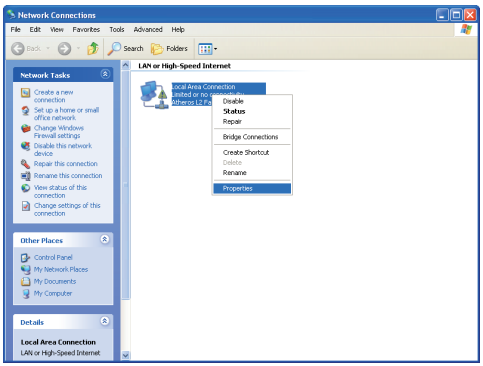
Configuring a wired connection

Using a static IP

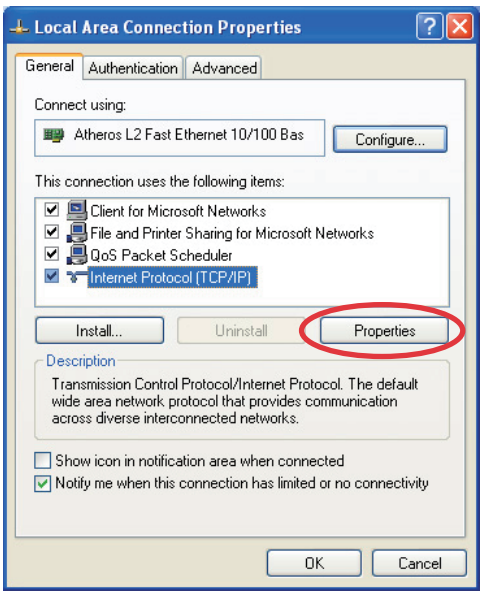
1. Right-click the network icon on the notification area and select **Open Network Connections**.



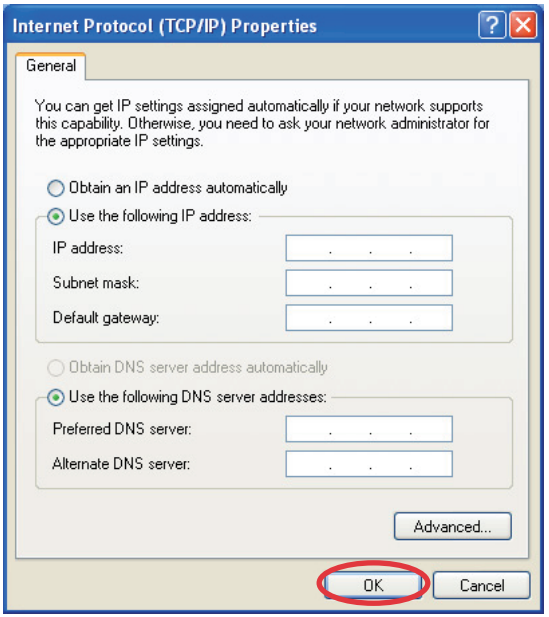
2. Right-click **Local Area Connection** and select **Properties**.



3. Select **Internet Protocol (TCP/IP)** and click **Properties**.

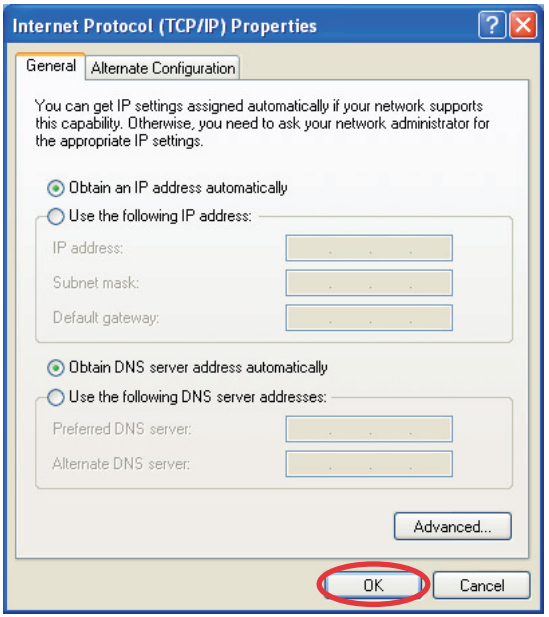


4. Select **Use the following IP address**.
5. Enter your **IP address**, **Subnet mask**, and **Default gateway**.
6. If needed, enter the **Preferred DNS server** address.
7. After entering all the related values, click **OK** to finish the configuration.



Using a dynamic IP

1. Repeat steps 1–3 in the previous section.
2 Select **Obtain an IP address automatically** and click **OK**.



Configuring the audio output

EeeTop PC supports different types of audio configurations. Set up the system using stereo speakers.

Speaker configurations

Set up the system with the following speaker configurations:

Name	Speaker system
2-channel (stereo)	Left speaker and right speaker.

Audio jack	Headphones/2-channel
	Audio Out
	Mic In

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 (surround) channel.

Connecting to speakers

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

For stereo speakers or headphones

Audio jack	Description
	Connects to stereo speakers or headphones.

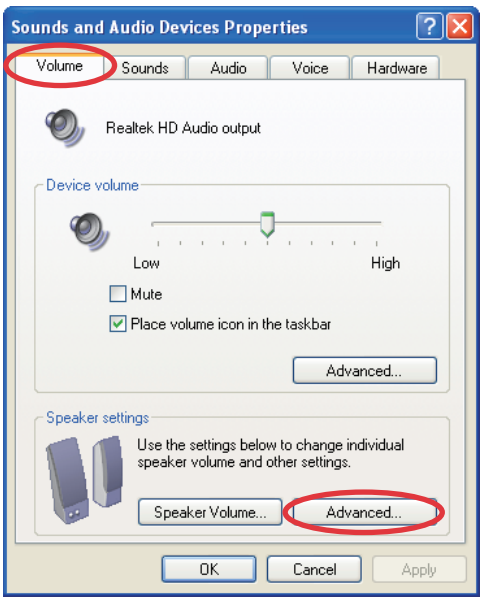
English

Configuring audio output settings

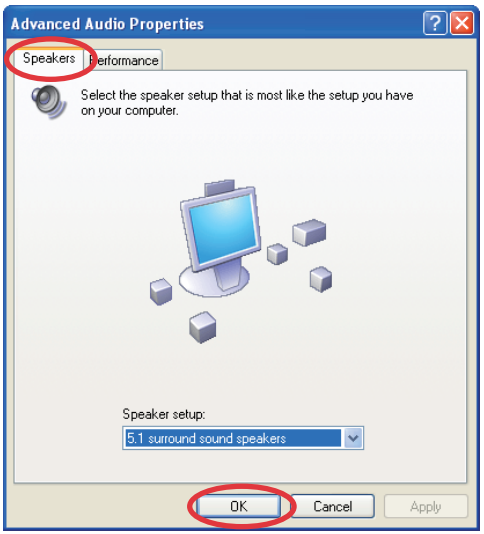
After connecting a speaker system to your EeeTop, follow the steps below to configure the speaker settings:

1. Right-click the volume icon on the Windows® notification area and click **Adjust Audio Properties**.

2. Click the **Volume** tab and then click **Advanced** to configure the speaker settings.



3. Click the **Speakers** tab. From the drop-down menu, select the speaker configuration you are using and click **OK**.



Recovering your system

Using the hidden partition

The recovery partition includes an image of the operating system, drivers, and utilities installed on your system at the factory. The recovery partition provides a comprehensive recovery solution that quickly restores your system's software to its original working state, provided that your hard disk drive is in good working order. Before using the recovery partition, 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 computer.
2. When the EeeTop logo appears, press **<F9>** (requires a recovery partition).
3. The **ASUS Recovery CD/DVD** window appears. Select **Recover system to a partition**.
4. 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.

5. After the system recovery is completed, restart the computer.
6. Set up your language, time zone, keyboard, computer name, and user name to enter the Windows® OS.

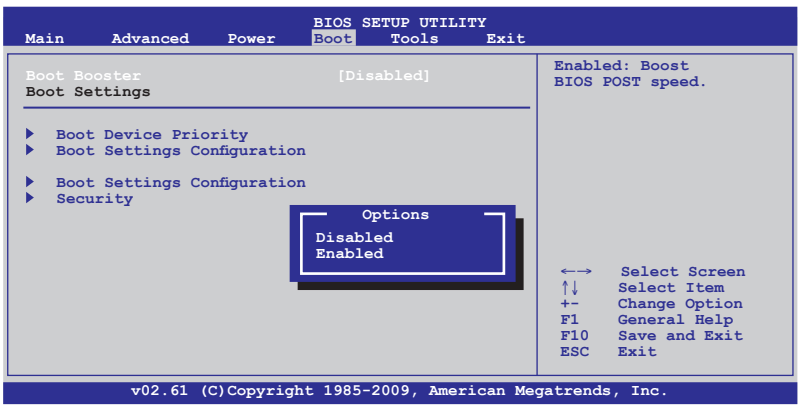
English

Using the Support DVD

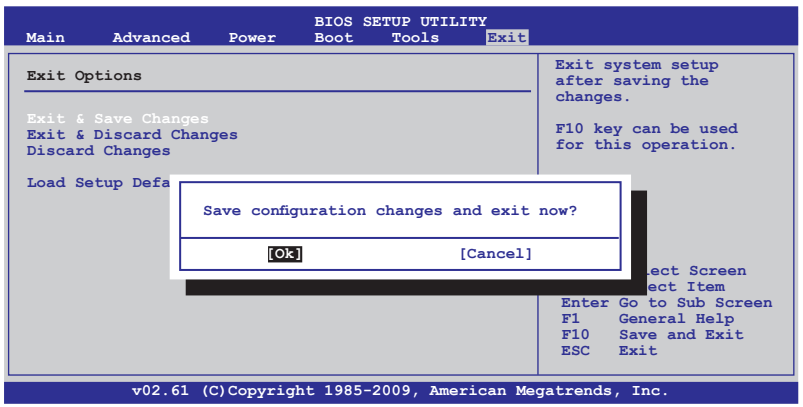
The support DVD includes an image of the operating system installed on your system at the factory. The recovery DVD provides a comprehensive recovery solution that quickly restores your system to its original working state, provided that your hard disk drive is in good working order. Before using the 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. Start the system and press **<F2>** on bootup to show the POST screen. Press **<F2>** again to enter the BIOS setup.
2. Set **Boot Booster** to [Disabled].

If you fail to see the POST screen or enter the BIOS setup by doing the instruction above, restart the system and try pressing <F2> repeatedly on bootup.



3. Press **<F10>** to save the configuration and restart EeeTop PC.



4. When the EeeTop logo appears, press **<Esc>** to enter the **Please select boot device** menu.
5. Insert the support DVD into the optical drive and select the optical drive ("DVDROM: XXX") as the boot device. Press **<Enter>** and then press any key to continue.
6. The **ASUS Recovery CD/DVD** window appears. 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. Select a partition and click **NEXT**.

   Recover system to entire HD

   This option will delete all partitions from your hard disk drive and restore the operating system. Select and click **Yes**.

If you select **Recover system to entire HD**, the entire hard disk drive will have only one partition and the F9 recovery function will no longer exist. Therefore, we highly recommend that you use the F9 recovery to restore the system.

7. 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.

8. After the system recovery is completed, restart the computer.
9. Set up your language, time zone, keyboard, computer name, and user name to enter the Windows® OS.

- This support DVD is for EeeTop PC only. DO NOT use it on other computers. Visit the ASUS website at www.asus.com for any updates.
- Remember to enable Boot Booster after you complete hardware change or system recovery.

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