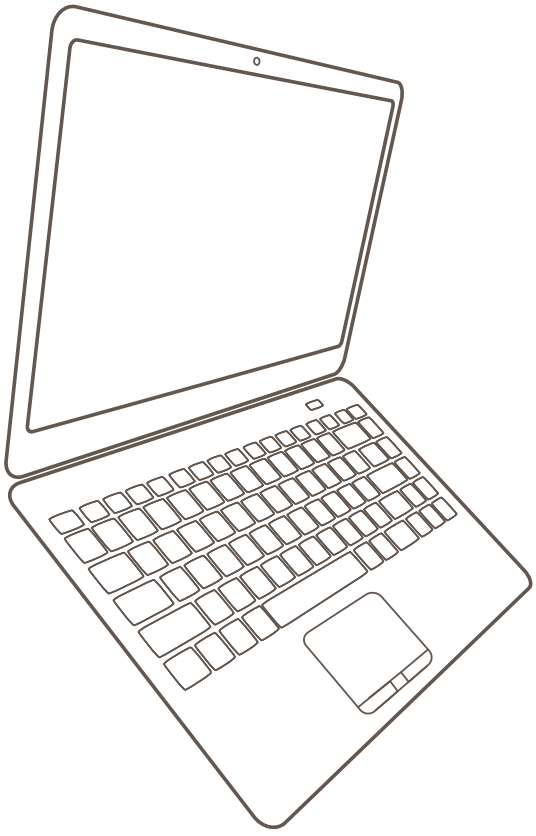
Notebook

User's Manual



Disclaimer:

This manual is the intellectual property of our company. However, we reserve the right to change product specifications without notice. Information in this document may change without notice. And our company assumes no liability for damages incurred directly or indirectly from errors, omissions or discrepancies between the computer and the manual.

Trademark:

All trademarks are the property of their respective owners.

Version:

User's Manual V1.1 for Notebook.
P/N: 3A22xxx00-000-G

Symbol description:

Indicating a potential risk of hardware damage or physical injury may exist, and tells you how to avoid problems.

Refers tips and additional information that can help you to use product better.

WEEE:

The use of this symbol indicates that this product may not be treated as household waste. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased this product.

Safety Precautions

The following safety precautions will increase the life of the Notebook. Please follow allprecautions and instructions. Except as described in the manual, refer all servicing to qualified personal.

- Do not place on uneven or unstable work surfaces. Seek servicing if the casing has been damaged.
- Do not expose to dirty or dusty environment. And Do not operate during a gas leak.
- Do not leave the Notebook on your lap or any part of the body to prevent discomfort or injury from heat exposure.
- Do not press or touch the display screen. Do not place together with small items that may scratch or enter the Notebook.
- The Notebook should only be used in environment with ambient temperature between $0^{o}C(32^{o}F)$ and $40^{o}C(104^{o}F)$.
- Do not place or drop objects on top.
- Do not expose to or use near liquids、rains、moisture or strong magnetic or electrical fields.
- Do not carry or cover a Notebook that is powered on with any materials that will reduce air circulation such as a carrying bag.
- Do not throw the Notebook in municipal waste. Check local regulations for disposal of electronic products.
- Wipe the Notebook using a clean cellulose sponge or chamois cloth dampened with a solution of nonabrasive detergent and a few drops of warm water and remove any extra moisture with a dry cloth.
- Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.
- Use only the power cord and batteries indicated in this manual. Do not dispose of batteries in a fire. They may explode. Check with local codes for possible special disposal instructions.

FCC Regulations:

■ This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

■ This device 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 radiated 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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user‘s authority to operate the equipment.

■ The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

RF Exposure Information (SAR)

This device meets the government's requirements for exposure to radio waves.
This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.
The exposure standard for wireless devices employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg.
*Tests for SAR are conducted using standard operating positions accepted by the FCC with the device transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value. This is because the device is designed to operate at multiple power levels so as to use only the poser required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.
The highest SAR value for the device as reported to the FCC when tested for worn on the body, as described in this user guide, is 0.011 W/kg for WLAN Body SAR. (Body-worn measurements differ among device models, depending upon available accessories and FCC requirements.)
While there may be differences between the SAR levels of various devices and at various positions, they all meet the government requirement.
The FCC has granted an Equipment Authorization for this device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines.
SAR information on this device is on file with the FCC and can be found under the Display Grant section of www.fcc.gov/oet/ea/fccid after searching on FCC ID: WXC-T77H121050.
This Transmitter has been demonstrated co-location compliance requirements with Bluetooth transmitter. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device was tested for typical laptop operations with the device contacted directly to the human body to the back side of the notebook computer. To maintain compliance with FCC RF exposure compliance requirements, avoid direct contact to the transmitting antenna during transmitting.

WiFi Specification

Wireless LAN Standards	IEEE 802.11g standard and EWC draft standard
Operating Frequency	2.400 – 2.497 GHz
WLAN Data Rate	802.11g: 54Mbps with fall back of 36, 48, 24, 18, 12, 9, 6Mbps. 802.11b: 11g with fall back rates of 11, 5.5, 2, and 1Mbps 802.11n: EWC: HT40:135Mbps with fall back of 121.5, 108, 81,54, 40.5,27, 13.5 HT20:65Mbps with fall back of 58.5,52,39,26,19.5,13,6.5
Transmitter Output Power	802.11b 17dBm+/-2 dBm for all data rate 802.11g 6-24Mbps:+17dBm+/-2dB 36Mbps:+17dBm+/-2dB 48Mbps:+17dBm+/-2dB 54Mbps:+16dBm+/-2dB 802.11n HT20 2GHz MCS 0: 17dBm+/-2dB MCS 1: 17dBm+/-2dB MCS 2: 17dBm+/-2dB MCS 3: 17dBm+/-2dB MCS 4: 17dBm+/-2dB MCS 5: 17dBm+/-2dB MCS 6: 16dBm+/-2dB MCS 7: 15dBm+/-2dB 802.11n HT40 2GHz MCS 0: 14dBm+/-2dB MCS 1: 14dBm+/-2dB MCS 2: 14dBm+/-2dB MCS 3: 14dBm+/-2dB MCS 4: 14dBm+/-2dB MCS 5: 14dBm+/-2dB MCS 6: 13dBm+/-2dB MCS 7: 12dBm+/-2dB

Modulation Schemes	802.11g: 64QAM (54Mbps, 48Mbps), 16QAM (36Mbps, 24Mbps), QPSK (18Mbps, 12Mbps), BPSK (9Mbps, 6Mbps) 802.11b: CCK (11 Mbps, 5.5Mbps), DQPSK (2 Mbps), DBPSK (1 Mbps) EWC: 64QAM(MCS5, MCS6, MCS7) 16QAM(MCS3, MCS4) QPSK(MCS1,MCS2) BPSK(MCS0)

Bluetooth Specification

Radio Technology	FHSS
Operating Frequency	2.402GHz ~ 2.480GHz
Channel Numbers	79 channels with 1MHz BW
Transmitter Output Power	-6~4dBm output power for BT class 2 operation
Coverage	10m (Varies depending on operating environment)
Receiver Sensitivity	-75dBm, BER<0.1%
Maximum Receiver Signal	-10dBm
Operating Voltage	3.3V+/-0.3V
Working Temperature	Operating temp: 0 °C to +70 °C (+32 °F to +158 °F) Non-operating temp: -10 °C to +75°C (+14 °F to +167 °F)
Interface	USB2.0 with 8 pin narrow pitch connector

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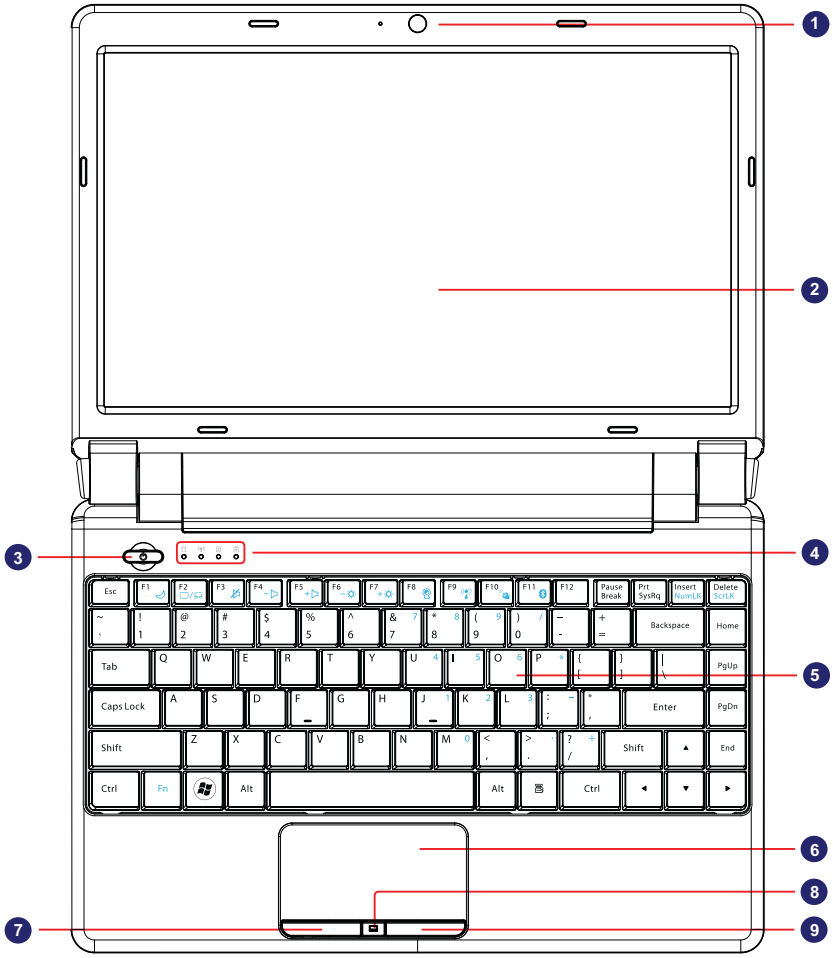
1-1 External Appearance

Refer to the diagram below to identify the components on every side of the Notebook.

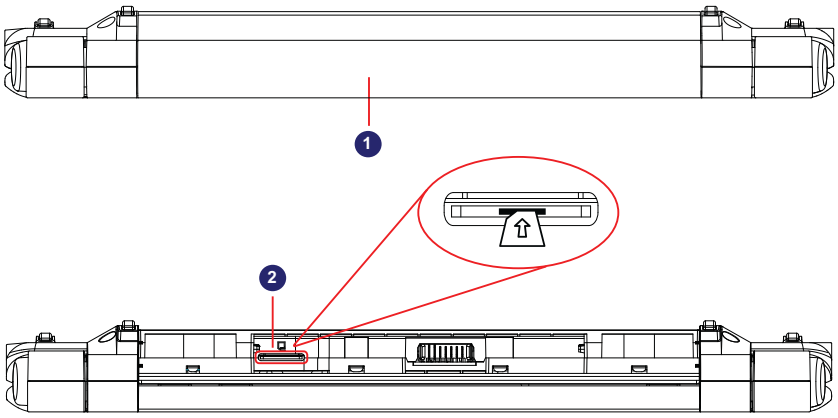
1. Top View



Your Notebook keyboard may vary depending on the country/region of purchase.

No.	Item	Description
1	Web Camera	Records videos or take photos
2	LCD	LED backlight panel
3	Power Button	Button for turning the computer's power on/off ● Glowing blue when the Notebook power is turned on. ● Blinking blue when the Notebook is entering suspend mode.
4	Status Indicators	From left to right: **a. HDD** ● Blinking blue when data is written to or read from the hard disk drive. **b. Wireless LAN** ● The indicator glows blue when wireless LAN function is enabled. ● The indicator is off when wireless LAN function is disabled. **c. Caps Lock** ● Glowing blue when the keyboard is in Caps-lock mode. **d. Battery** ● Glowing blue when the battery is being charged. ● Blinking blue when the battery is in low battery status. ● The indicator goes out when the battery is fully charged.
5	Keyboard	Input device used for controlling the Notebook's various functions
6	Touchpad	Works the same way as a mouse and is used for controlling the computer cursor
7	Left Touchpad Button	Works the same way as the left mouse button
8	Touchpad Lock Button	Press the button to lock or unlock the touchpad
9	Right Touchpad Button	Works the same way as the right mouse button

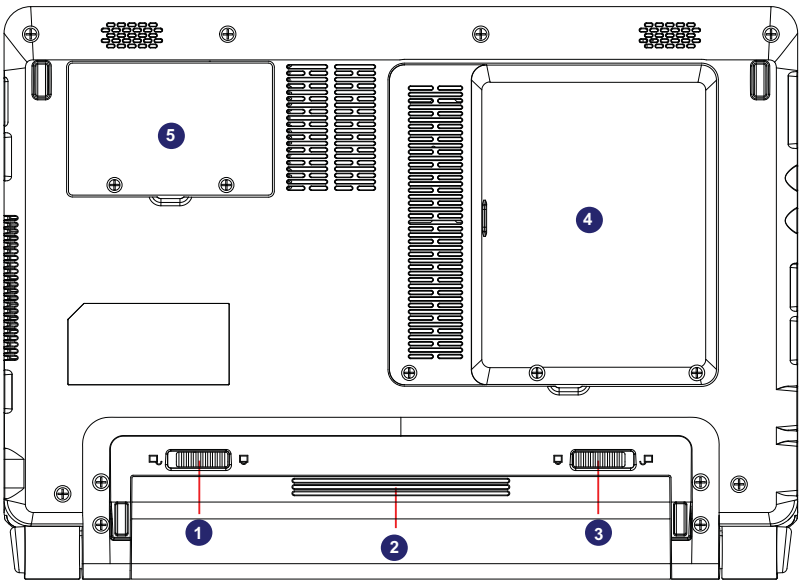
2. Rear View



No.	Item	Description
1	Battery Pack	Replaceable battery pack that serves as Notebook's power supply
2	SIM Card Slot (Optional)	To insert the SIM card into the slot and make sure that the gold pins of SIM card are downward.

Please do not insert or pull out the SIM card when power-on, otherwise the data may lose or the card would be damaged.

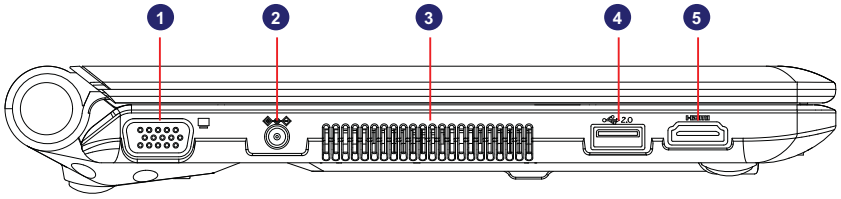
3. Bottom View



No.	Item	Description
1	Battery Lock	Slide inwards to lock the battery in place. Slide outwards to unlock battery.
2	Battery Pack	Replaceable battery pack. Serves as the Notebook's power supply
3	Battery Latch	Push outwards to release battery for removal
4	Hard Disk Cover	The Hard Disk Cover protects the internal hardware. Open to exchange device
5	Memory Cover	The cover is to protect the memory from damage. Open to exchange device

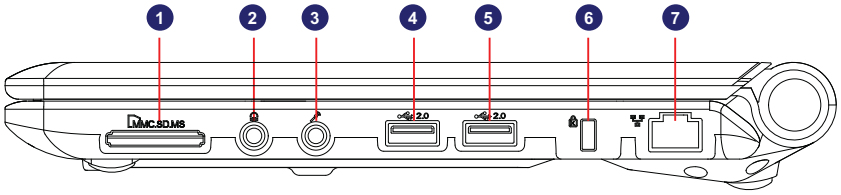
When the computer is running or charging, heat is produced inside the Notebook and transferred to the back of the chassis by the heat dissipation system for cooling. The transformer may also produce a lot of heat during normal use as well. The Notebook and its transformer should therefore not be placed in the lap or on any other body part for prolonged periods during use. Also avoid placing the Notebook on a soft surface (e.g. sofa) as it might block the heat vents and interfere with cooling.

4. Left View



No.	Item	Description
1	VGA Port	Connects to an external display
2	Power Port	Connects to the external power supply
3	Vent	Notebook's cooling vent
4	USB Port	Connects to USB 2.0 device
5	HDMI Port	The HDMI(High-Definition Multimedia Interface) provides an all-digital audio/video interface to transmit the uncompressed audio/video signals and is HDCP compliant. Connect the HDMI audio/video device to the port.

5. Right View



No.	Item	Description
1	Memory Card Slot	Supports MMC/SD/MS memory cards
2	Headphone	Connects to external headphone
3	Microphone	Connects to external microphone
4	USB Port	Connects to USB 2.0 device
5	USB Port	Connects to USB 2.0 device
6	Anti-Theft Lock Slot	Attach a Kensington security system or a compatible lock to secure your Notebook
7	Network Port	Standard RJ-45 network port

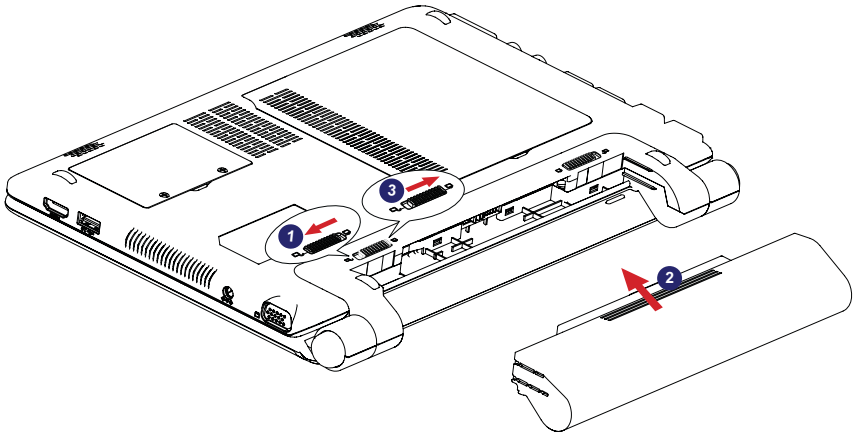
1-2 Setting Up Your Computer

1. Installing/Removing the Battery Pack

The Notebook can be powered by the battery, if you are away from the office and no power socket is available, use the battery instead.

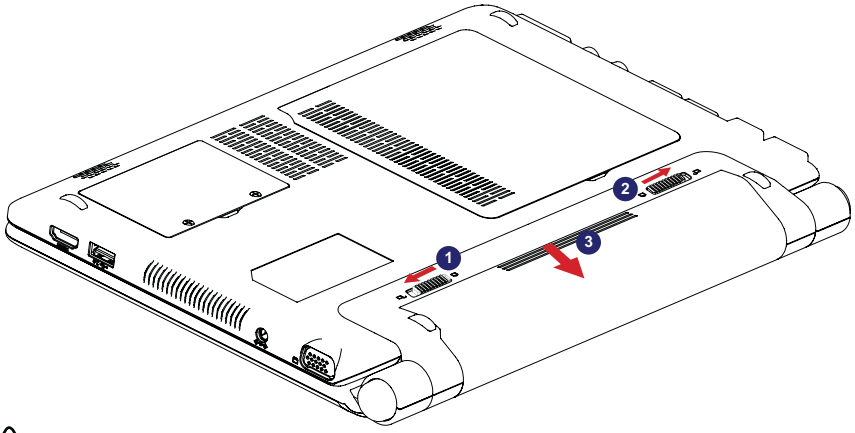
Installing the Battery Pack

Step 1: Push the “Battery Lock” outwards to unlock position as shown in the figure.
Step 2: Push the battery pack completely into the battery slot.
Step 3: Push the “Battery Lock” inwards to the lock position to lock the battery in place.



Removing the Battery Pack

Step 1: Unlock the battery by pushing the “Battery Lock” outwards to unlock position as shown in the figure.
Step 2: Push the “Battery Latch” outwards and hold it in place with your finger, use the other hand to pull out the battery pack.

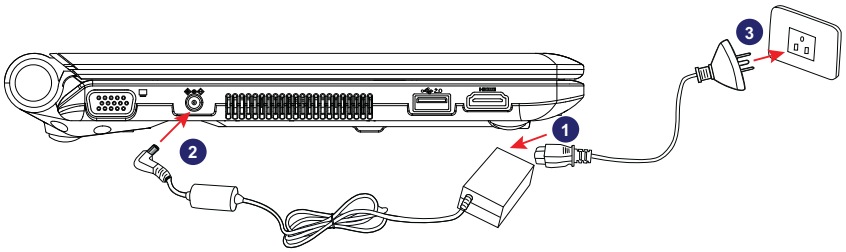


- Do not remove the battery while the Notebook is still running. This may damage the data on the hard disk.
- Connect the AC adapter as soon as possible after the battery-low warning appears. Data will be lost if the battery is to become fully depleted and the computer shuts down.

2. Connecting the Power Supply

The AC transformer provides external power source to your notebook and charges the battery pack at the same time. The AC transformer also has an auto-switching design that can connect to any 100V AC - 240V AC power outlets.

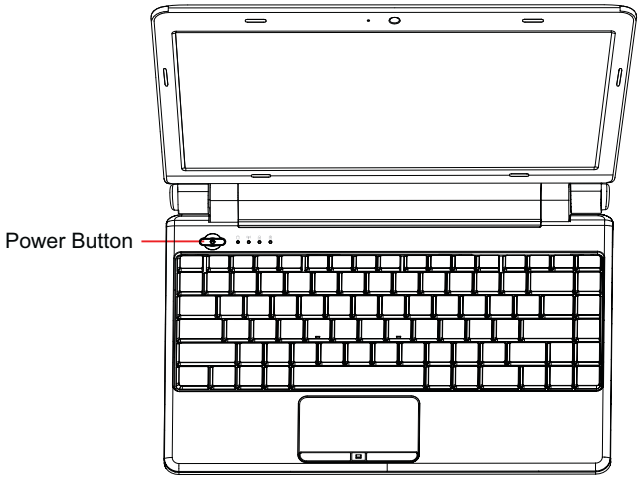
Step 1. Plug the power cord into the power socket of the AC transformer.
Step 2. Plug the connector of the AC transformer to the DC port of Notebook.
Step 3. Plug the other end of the power cord to a live power outlet.



Please use the AC adapter and power cord with the product. Using the wrong adapter may damage your computer. Once AC adapter or power cord is broken, please consult professional to resolve the issue.

3. Startup

Open the screen of your Notebook and turn on the machine by pressing the Power Button.



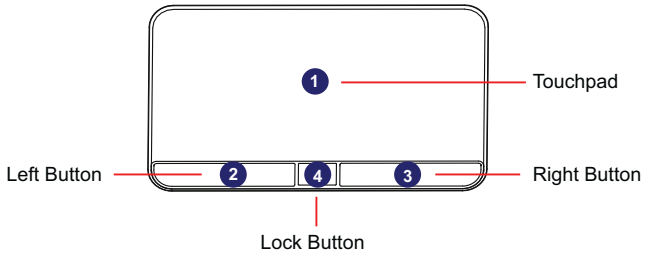
4. Emergency Shutdown

When the Notebook cannot be shut down through normal means, please press and hold the Power Button until the Notebook powers off.

1-3 Touchpad Usage

1. Introduction to the Touchpad

The touchpad is a pointing device that senses movement on its surface. This means the cursor responds as you move your finger across the surface of the touchpad.



- Move your finger across the touchpad (1) to move the cursor.
- Press the left button(2) and right button(3) located beneath the touchpad to perform selection and execution functions. These two buttons are similar to the left and right buttons on a mouse. Tapping on the touchpad is the same as clicking the left button.
- Press lock button (4) to lock or unlock the touchpad.

Function	Left Button (2)	Right Button (3)	Touchpad (1)
Select	Click once.		Tap once.
Execute	Quickly click twice.		Tap twice (at the same speed as double-clicking a mouse button).
Drag	Click and hold, then use finger on the touchpad to drag the cursor.		Tap twice (at the same speed as double-clicking a mouse button); rest your finger on the touchpad on the second tap and drag the cursor.
Access context menu		Click once.	

When using the touchpad, keep it and your fingers dry and clean. The touchpad is sensitive to finger movement; hence, the lighter the touch, the better the response. Tapping harder will not increase the touchpad's responsiveness.

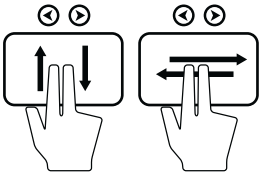
2. Multi-finger Gesture Input

Finger gesture	Applications
Two-finger zooming in/out	Adobe Reader, Windows Photo Viewer
Two-finger rotating	Adobe Reader, Windows Photo Viewer
Two-finger scrolling up/down or left/right	Adobe Reader, MS Word, MS Excel

● Two-finger zooming in/out:
Moving two fingertips apart or together on the touchpad to zoom in or zoom out. This is convenient when viewing photos or reading documents.

● Two-finger rotating:
Making two fingertips open slightly to draw a concentric circle on the touchpad to rotate the photo or the document you are viewing. You can make a clockwise or counterclockwise rotation based on your needs.

● Two-finger scrolling up/down or left/right:
Making two fingertips open slightly to slide up/down or left/right on the touchpad to scroll a window up/down or left/right.



1-4 Special Function Keys

Use the <***Fn***> key combined on the keyboard to activate, close or set specific functions. With the help of these keys, user will be able to work efficiently. The following defines some special function keys on the Notebook.

Function Keys	Description
Fn + F1	Enter sleeping mode
Fn + F2	Switches to the external display
Fn + F3	Audio on or off
Fn + F4	Decrease audio volume
Fn + F5	Increase audio volume
Fn + F6	Decrease the display brightness
Fn + F7	Increase the display brightness
Fn + F8	Web Camera on or off
Fn + F9	Wireless LAN on or off
Fn + F11	Bluetooth on or off
Fn + Insert	"Number Lock" on or off
Fn + Del	"Scroll Lock" on or off

1-5 Configuring a Wireless Network Connection

1. Click the network icon in the Windows® notification area.

2. Select the wireless access point you want to connect to from the list and build the connection. (When connecting, you may have to enter a password)

3. After a connection has been established, the connection is shown on the list.

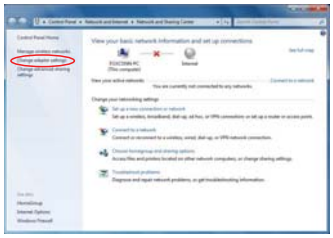
Make sure that wireless network is in open state (the status indicator shows blue), or please press <***Fn***> + <***F9***> to enable the WLAN function.

1-6 Configuring a Bluetooth Connection

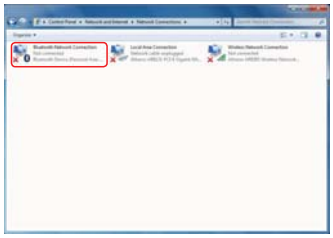
Bluetooth is a short-range wireless connectivity technology that enables devices compatible with Bluetooth technology, the distance of 10 meters within the physical connection and data exchange.

Follow these steps to create a bluetooth connection (In Windows 7 system as an example to illustrate):

1. Click the network icon in the Windows® notification area, go to <***Open Network and Sharing Center***> and then click <***Change adapter settings***>.

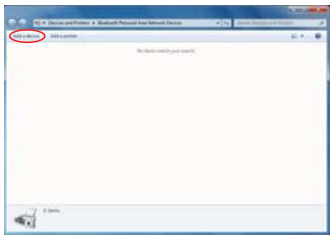


2. Double click <***Bluetooth Network Connection***>.

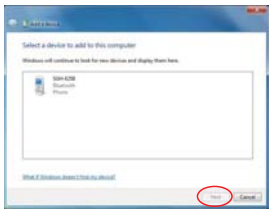


If there is no <Bluetooth Network Connection>, please press <***Fn***> + <***F11***> to enable Bluetooth function

3. Click <***Add a device***>to look for new devices.



4. Select a Bluetooth-enabled device from the list and click <***Next***>.



5. Enter the Bluetooth security code into your device and start pairing.

6. The paired relationship is successfully built. Click <***Close***> to finish the setting.

Notebook

Install Windows XP in Notebook

- Install Windows XP system in AHCI mode
- Install Windows XP system in IDE mode

2

Install Windows XP System in Notebook

The method to install Windows XP system in the Notebook has the difference because of the SATA hard disk in BIOS settings, because the SATA hard disk has IDE and AHCI two kind of modes, so the method to install system also has two kinds.

- Please confirm the mode of SATA hard disk before installation of Windows XP system, and install the system with corresponding method according to the mode. Otherwise can meet the problem which is unable to install. Please do not change the mode of SATA hard disk after installation otherwise the system will not work normally.
- It will short the life of battery pack when you install Windows XP system in IDE mode of SATA hard disk.

2-1 Install Windows XP system in AHCI mode

The default setting of SATA hard disk is AHCI in the Notebook, when you want to install Windows XP system in AHCI mode, you need to create a AHCI driver floppy diskette which will be used during Windows XP installation later.

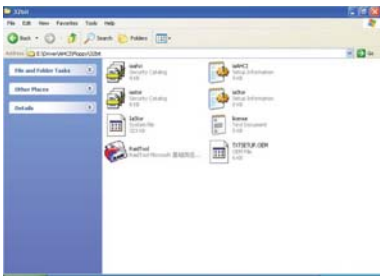
What kinds of hardware and software you need here :
An USB DVD drive, an USB Floppy drive, a Floppy diskette, a Notebook driver CD, Windows XP Install CD.

Before you continue :
- Shut down your computer.
- Connect the DVD drive and Floppy drive to the USB ports of Notebook and connect the power cord to AC power.

● Create a AHCI Driver Diskette

1. Find a PC, put a diskette into its floppy drive A:, this diskette will be formatted later. Put the driver CD into DVD drive.

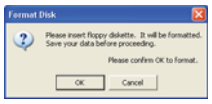
2. Depending on which platform your system is, normally, it is a 32-bit XP system. Use Windows explorer, and go to **CD:\Driver\AHCI\Floppy\32bit**, click on ***RaidTool*** icon to start the creation.



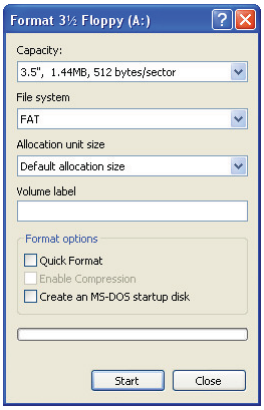
3. Click "***GO***" to start.

4. Select the desired destination FDD drive. It can be the default drive A: or any USB FDD. Click "***OK***" to continue.

5. Insert a diskette, click "***OK***" to continue.

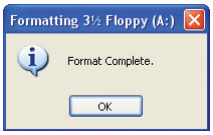


6. You can input a volume label for this diskette, click on "***Start***" to format.

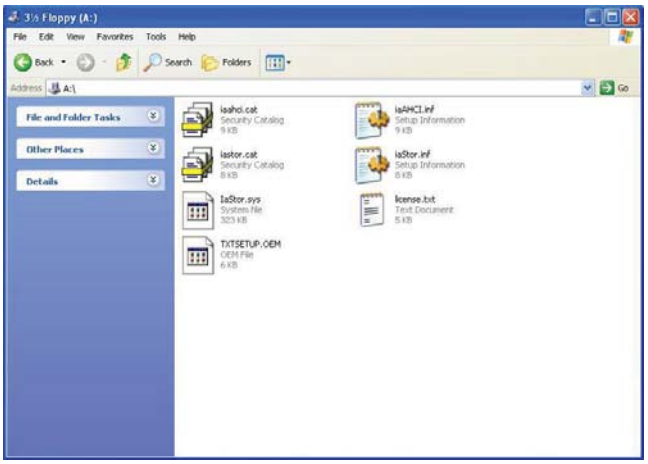


7. Click on "***OK***" to go through this warning message.

8. Format finished. Click "***OK***" to continue copying of driver into this diskette.



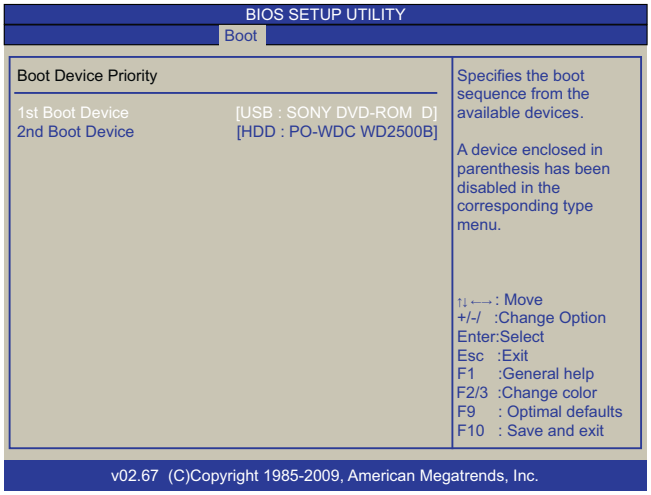
9. Check if the diskette contains the driver files.



2

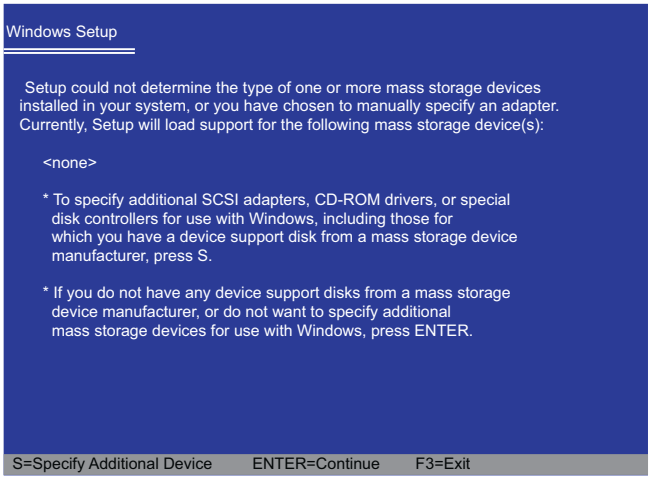
- **Setting BIOS and Install a New Windows XP**

1. Press <***Del***> to enter BIOS setup during POST, set "***1st Boot Device***" to "***USB : SONY DVD-ROM D***"(DVD drive name) in "***Boot***" -> "***Boot Device Priority***" menu, the figure is as shown below. And then save changes and exit BIOS.

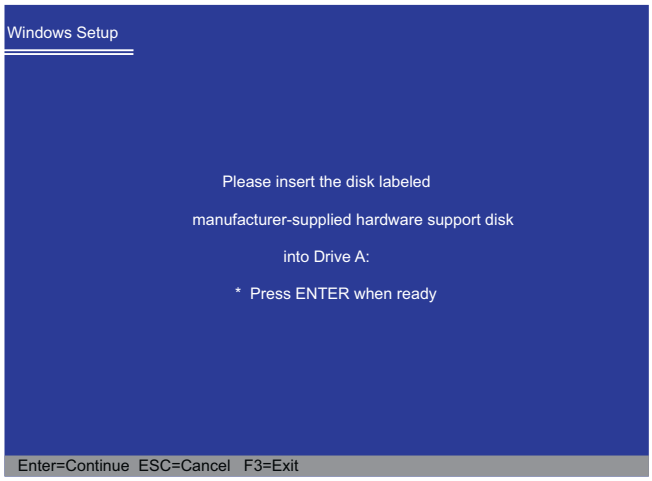


2. Insert the Windows XP Install CD into the DVD drive. The computer will reboot, and it will start installing Windows XP Operating System. Watch the screen carefully, when the following picture appears, press ***<F6>*** key immediately. If you forget to do this, PC will go to an fatal blue screen, and you may need to reboot the system again. PC may not respond to your <***F6***> input immediately, and it keeps loading files until the next screen displays.

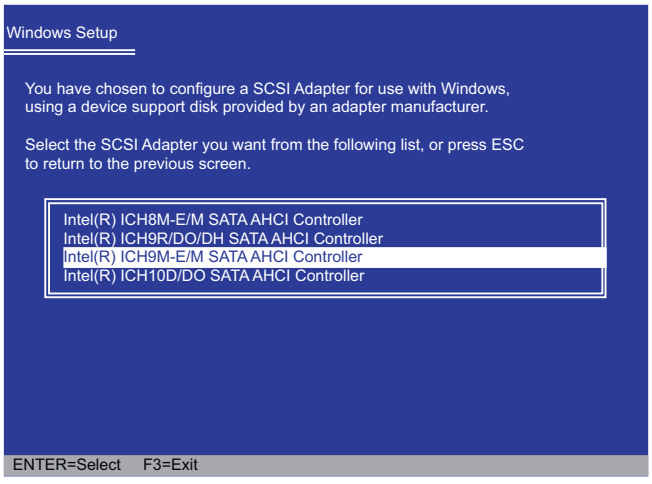
3. After some files are copied to your system, the following picture appears, press <***S***> to continue the specific driver installation.



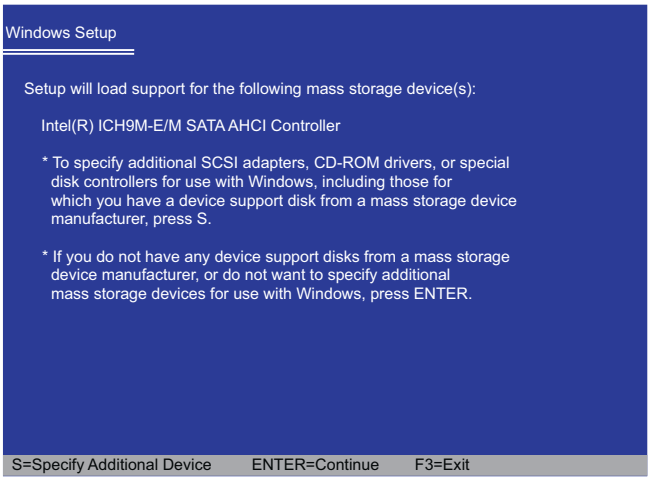
4. It will ask you to insert the driver diskette into your floppy drive. Press <***Enter***> after it is done.



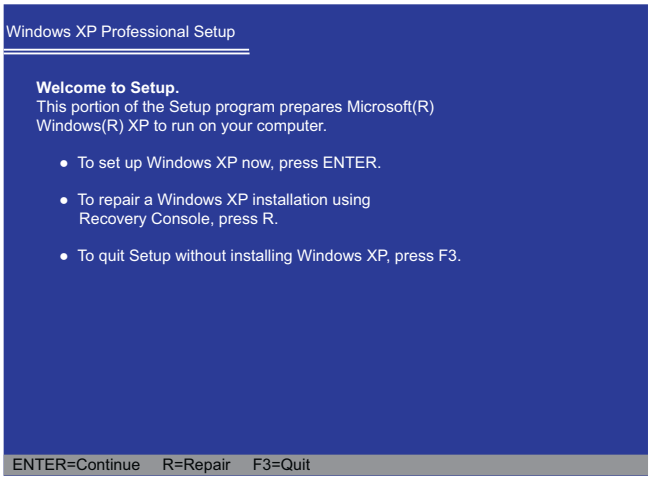
5. Press <***Enter***> to start to select and press "▲" to select the driver "***Intel(R) ICH9M-E/M SATA AHCI Controller***".



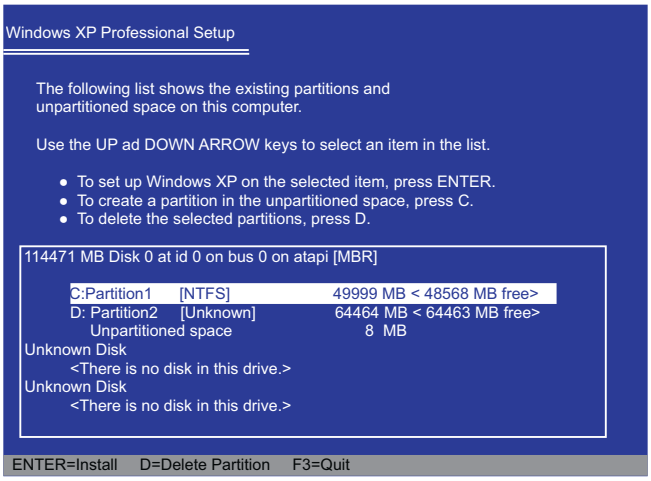
6. A confirmation message appears to double check if the driver is really what we wanted, press <***Enter***> to continue.



7. Insert the Windows XP Install CD into the USB DVD drive. The computer will start installing Windows XP Operating System. The figure is as shown below:



8. Press <***Enter***> to continue the installation and press <***F8***> to agree the Licensing Agreement. Windows will display the partition of your system. First of all, you had better press <***D***> to delete the partition, then you can press <***C***> to create partitions as many as you can, assign them C:, D: or E: logical drive name. In this example, we will create a 50GB partition C: and leave the remaining space as a partition D:. The figure is as shown below:



2

9. Press <***Enter***> to install Windows XP. The process will ask you to format hard disk, copy files...etc, follow the installation steps until the system is installed complete.

● Install drivers in Windows XP

1. After installing Windows XP, you have to install necessary drivers before using the Notebook. Insert the Notebook driver CD to the USB DVD drive, waiting for a few seconds, the main menu will be displayed on your Notebook screen.

2. Clicking these options to install all the drivers for your system. You must firstly click "***Intel Chipset Driver***" to install and then click "***One Click Setup***" to install the other drivers left, or you can click each individual driver to install it manually.
3. After all the drivers are installed, you need to restart your Notebook, then you can use it.

2-2 Install Windows XP system in IDE mode

The default setting of SATA hard disk is AHCI in the Notebook, if you want to install Windows XP system in IDE mode, please change the mode of SATA hard disk to IDE in BIOS firstly, otherwise can meet the problem which is unable to install.

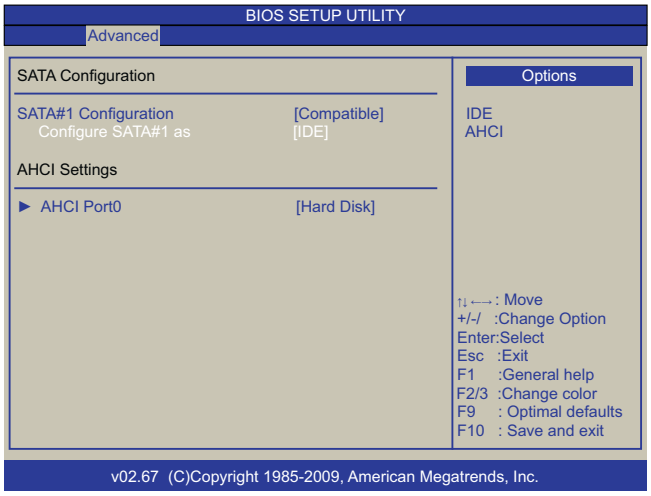
What kinds of hardware and software you need here :
An USB DVD drive, a Notebook driver CD, Windows XP Install CD.

Before you continue :

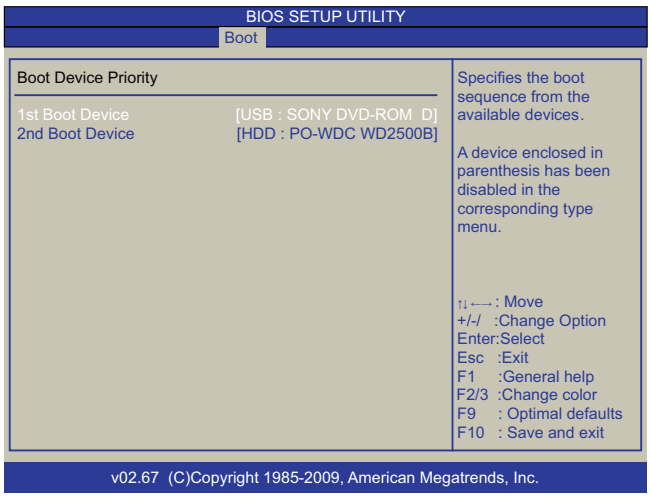
- Shut down your computer.
- Connect the DVD drive to an USB port of Notebook and connect the power cord to AC power.

● Setting BIOS and Install a New Windows XP

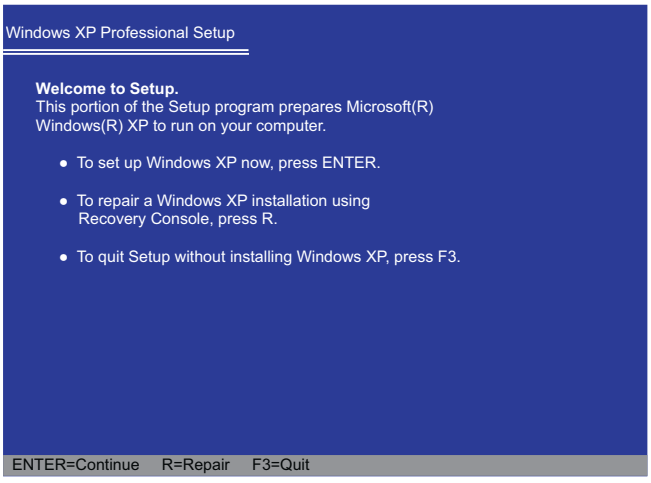
1. Power on the Notebook, press <***Del***> to enter BIOS setup during POST, set "***Configure SATA#1 as***" to "***IDE*** " in "***Advanced***" -> "***SATA Configuration***" menu, the figure is as shown below:



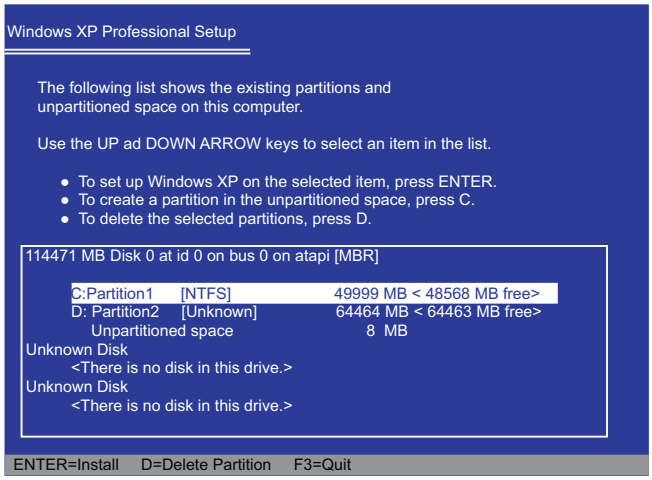
2. To set "***1st Boot Device***" to "***USB : SONY DVD-ROM D***"(DVD drive name) in "***Boot***" -> "***Boot Device Priority***" menu, the figure is as shown below. And then save changes and exit BIOS.



3. Insert the Windows XP Install CD into the USB DVD drive. The computer will reboot, and it will start installing Windows XP Operating System. The figure is as shown below:



4. Press <***Enter***> to continue the installation and press <***F8***> to agree the Licensing Agreement. Windows will display the partition of your system. First of all, you had better press <D> to delete the partition, then you can press <C> to create partitions as many as you can, assign them C:, D: or E: logical drive name. In this example, we will create a 50GB partition C: and leave the remaining space as a partition D:. The figure is as shown below:



5. Press <***Enter***> to install Windows XP. The process will ask you to format hard disk, copy files...etc, follow the installation steps until the system is installed completely.

- **Install drivers in Windows XP**

1. After installing Windows XP, you have to install necessary drivers before using the Notebook. Insert the Notebook driver CD to the USB DVD drive, waiting for a few seconds, the main menu will be displayed on your Notebook screen.

2. Clicking these options to install all the drivers for your system. You must firstly click "***Intel Chipset Driver***" to install and then click "***One Click Setup***" to install the other drivers left, or you can click each individual driver to install it manually.
3. After all the drivers are installed, you need to restart your Notebook, then you can use it.

Notebook

Install Windows 7 in Notebook

- Setting BIOS and Install a new Windows 7 system
- Install Drivers in Windows 7

3

Install Windows 7 in Notebook

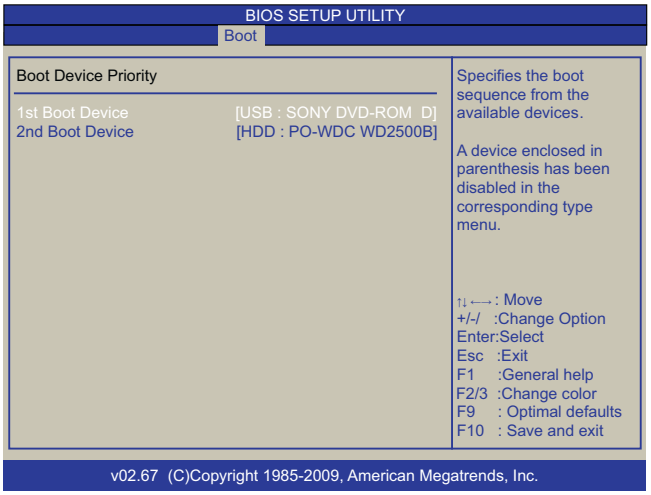
Make sure you have these ready:
An USB DVD drive, a Notebook driver CD, Windows 7 Install CD

Before you continue :

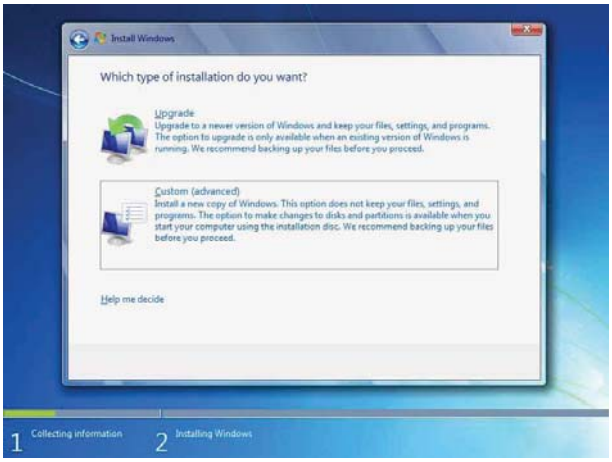
- Shut down your computer
- Connect the USB DVD drive to an USB port of Notebook and connect the power cord to AC power

3-1 Setting BIOS and Install a new Windows 7 system

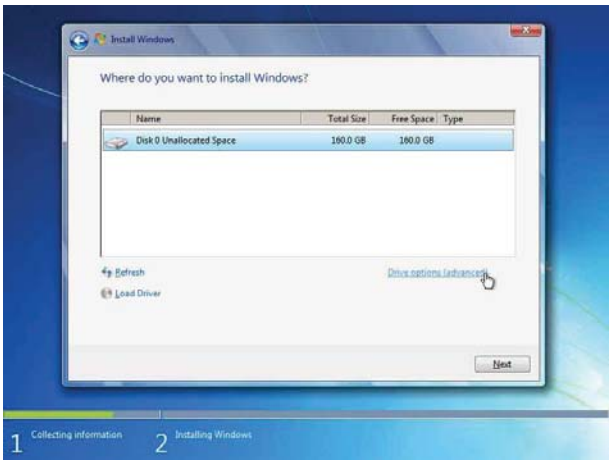
1. Power on your Notebook, then press <***Del***> to enter BIOS setup during POST, set "***1st Boot Device***" to "***USB : SONY DVD-ROM D***"(DVD drive name) in "***Boot***" -> "***Boot Device Priority***" menu, the figure is as shown below. And then save changes and exit BIOS.



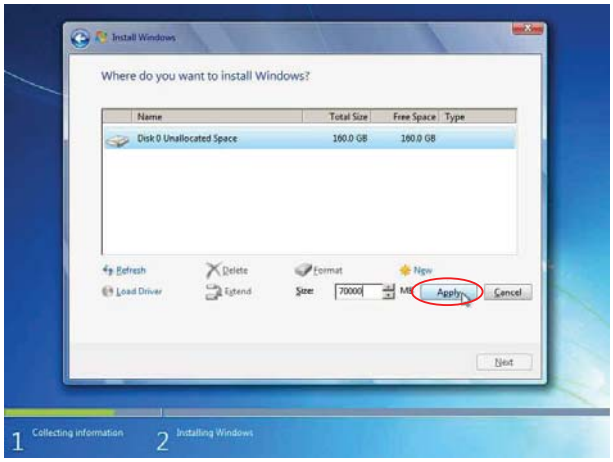
2. Put the Windows 7 Install CD into the USB DVD drive.
3. The computer will reboot, and it will start loading files for installing Windows 7 system.
4. After that, it will start Windows and come out a "***Install Windows***" dialog box to set the "***Language to install***", "***Time and current format***" and "***Keyboard or input method***". Click "***Next***" to continue and click "***Install now***" button to start the setup.
5. When the license terms appears, select to accept and click "***Next***" to continue.
6. It then asks you to select the installation type. Click "***Custom (advanced)***" to install a new copy of Windows.



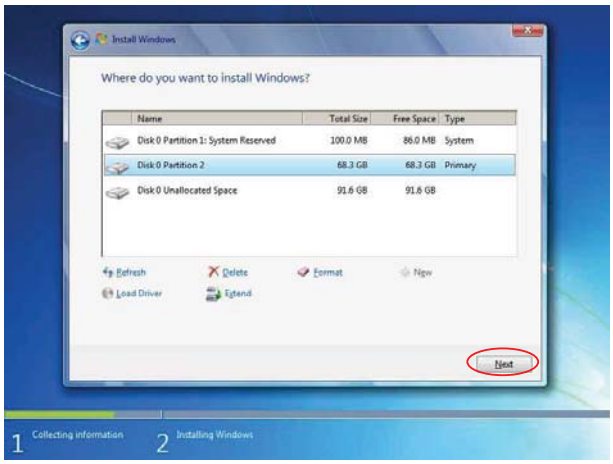
7. The setup will display the hard disk partitions (160GB, in this example) of your system. If there were other systems (such as Linux) installed previously, you need select them and click "***Drive options (advanced)***" -> "***Delete***" to delete them. When all partitions are clean, setup will display the biggest size of your hard drive.



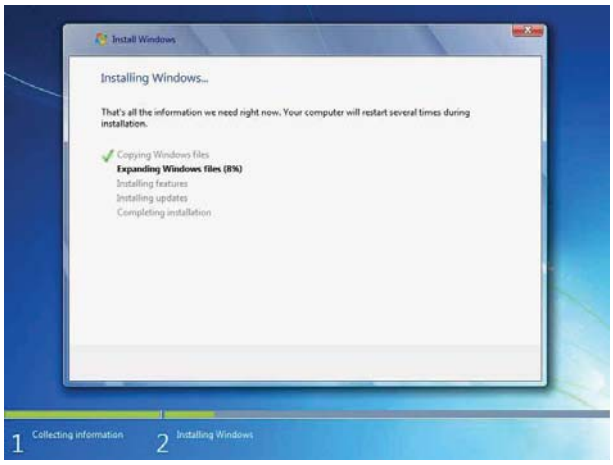
8. In this biggest hard disk size screen, you can click "***Drive options (advanced)***" -> "***New***" to create partitions as you need. In this example, we are creating a 70GB partition to install Windows, and click "***Apply***" to continue.



To ensure that all Windows features work correctly, Windows might create additional partitions for system files. So you will see a 100MB partition reserved by system after you create a partition. Select the 70GB partition and click "***Next***" to continue.



9. From this step we start to install windows 7 into your hard disk. During the process, your computer will restart several times.



10. When the installation is complete, setup will prepare your computer for the first use. Then you can follow steps to select system settings, create an account, set a password...etc, until the whole process is complete and enter Windows 7 system.

3-2 Install Drivers in Windows 7

1. When the Windows 7 is completely installed, you have to install the necessary drivers before using the Notebook. Take out the Windows 7 Install CD from the USB DVD drive, and put the driver CD inside. Waiting for a few seconds, the main menu will be displayed on the screen.

2. Use these options to install all the drivers for your system. You must click "***Intel Chipset Driver***" to install it first. After that, you can click "***One Click Setup***" to install all the other drivers, or you can click on each individual driver to install it manually.
3. After all the drivers are installed, you need to restart your Notebook, then you can start using it.

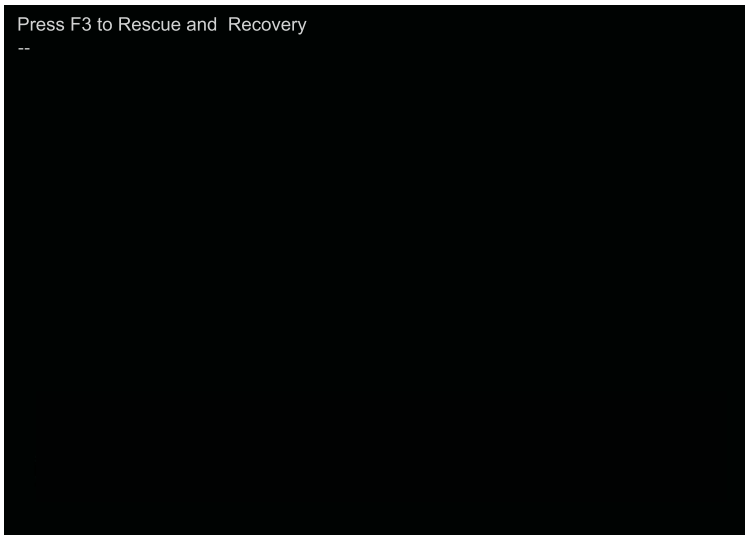
Notebook

Recovery of Windows XP and Windows 7 System

4

Recovery of Windows XP and Windows 7 System

1. Power on the computer, when the message "***Press F3 to Rescue and Recovery***" appears on the top of the screen, press "***F3***" to enter the recovery interface.



2. System prepares for the recovery after pressing "F3" key.

3. Recovery begins after clicking "***Start***" in the following image.

4. When the following image appears, click "***OK***" to continue.

4

5. Recovery is accomplished when the following image appears, click "***OK***" to finish it.

6. Now, click "***Restart***" to reboot the system.

Notebook

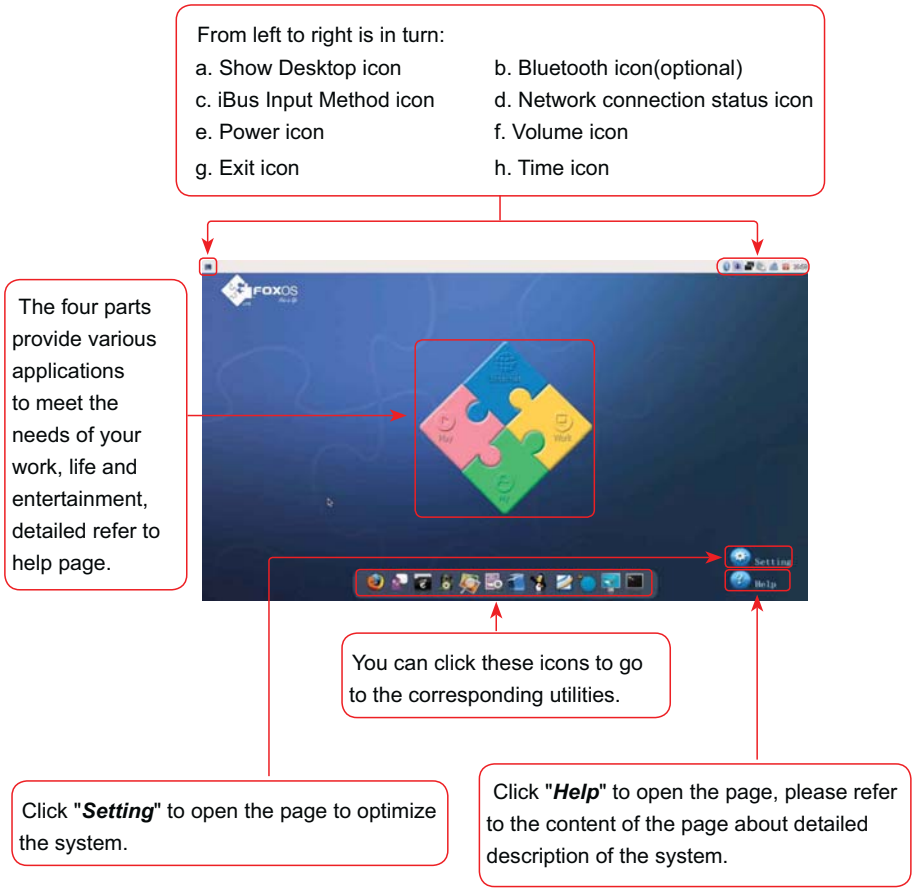
Introduction to the Linux System

- Overview
- Recovery of Linux system

5

5-1 Overview

After turning on the Notebook, when you log in Linux system, the following screen will appear:



5-2 Recovery of Linux system

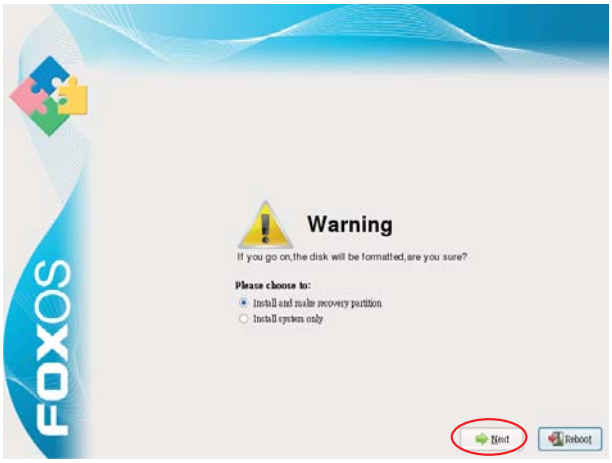
- **From DVD to recover system**

1 Boot from DVD

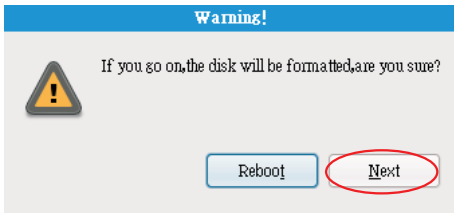
Power on the computer, insert the system Installation DVD into the DVD drive, press "***F11***" to select booting system from the DVD drive.

2 Select the way of Installation

When the figure as below shows, select "***Install and make recovery partition***", the system will be installed and a recovery partition will be made. Or select "***Install system only***", the system will be installed without recovery partition, so recover system from hard disk is impossible.



3 Click "***Next***", the warning box is shown as below:



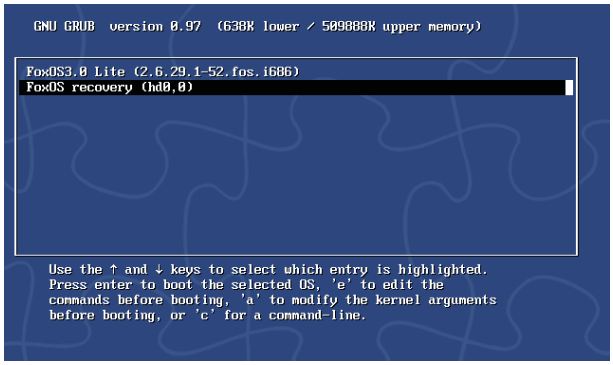
4 Installing system

Click "***Next***" to format hard disk and install system. The figure is shown as below:

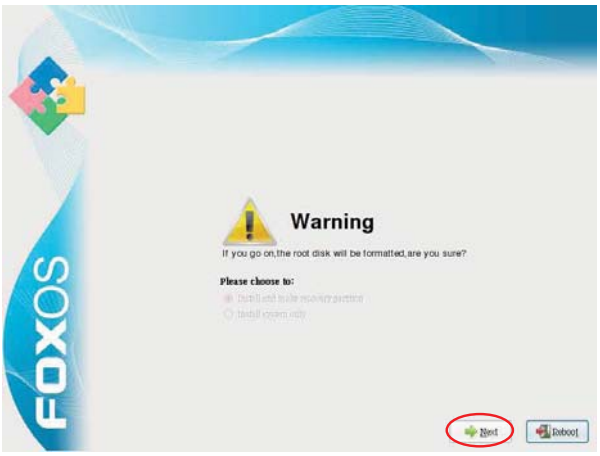
5 After installing, click "***Reboot***" to restart the system.

- **From hard disk to recover system**

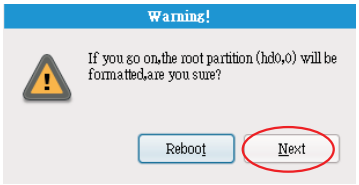
1 When you log in, according to the screen suggestion, press any key to enter Grub interface, the figure is as shown below:



2 Select "***FoxOS recovery***" item and then press "***Enter***", the warning box is shown below:



3 Select "***Next***", system warns the root partition(hd0, 0) will be formatted. The figure is as shown below:



4 Click "***Next***" to format partition(hd0,0) and recover system from hard disk. The figure is as shown below:

5 When the process is completed, please reboot the system.The figure is as shown below: