

Directions

Meanings of icons:



Forbidding: forbid improper operations to avoid damaging the Notebook PC.



Caution: cautions for operators to avoid potential damages. Please note and remember.



Importance: important information, common notes, definitions, general knowledge and references, etc.

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Product images in this manual are for your reference only.

Content

Directions	1
1 Knowing Your Notebook PC	6
1-1 Top Side	6
1-2 Right Side	7
1-3 Left Side.....	7
1-4 Bottom Side	8
2 Caring the Notebook PC	9
2-1 LCD Screen	9
2-2 Battery Pack	9
2-3 Keyboard	10
2-4 Touch Pad	10
2-5 Other accessories	10
2-6 If the water come into the Notebook PC	10
2-7 Other Notes	11
3 Traveling with the Notebook PC	12
3-1 Attention.....	12
3-2 How to enter the suspend mode	12
4 Keep the data for future possible use	13
4-1 HDD Partition.....	13
4-2 Class the data in the HDD	13
5 Getting Started	14
5-1 Install the Rechargeable Battery.....	14
5-2 Remove the Battery Pack	14
5-3 Connecting the Power Adapter	15
6 Using Your Notebook PC	16
6-1 Turning on the Notebook PC	16
6-2 Adjust the Brightness of LCD Screen	16
6-3 Keyboard Usage.....	16
6-4 Card Reader Usage	17
6-5 The Memory Card	17
7 Internet Connection	18
7-1 Connecting with the network via Wired LAN	18
7-2 Wireless LAN.....	19
7-3 PPPoE	20
8 Power Managing System	21
8-1 Battery System	21
8-1-1 Checking Battery Power	21
8-1-2 Charging the Battery Pack	22
8-1-3 Low Power Warning	22

8-1-4 Battery Power	22
8-1-5 Store the Battery Pack	22
8-1-6 Prolonging the Battery's Life	23
8-2 Power Management Modes	23
8-2-1 Standby mode.....	23
8-2-2 Suspend mode.....	23
8-2-3 Log Off	24
8-2-4 Restart the System	24
8-3 Power Saving	24
8-3-1 Connect the Adapter without using Battery Pack	24
8-3-2 Adjust the brightness of LCD Screen.....	24
9 Upgrading Your Notebook PC	25
9-1 Connect the External Monitor	25
9-1-1 How to connect the External Monitor	25
9-1-2 Connect Keyboard and Mouse	25
9-1-3 Connect Audio Device	25
9-1-4 Lock Port.....	26
9-2 Enter the BIOS Setup Menu	26
10 Appendix	28
10-1 Troubleshooting.....	28
10-2 Specifications	30

Safety Precautions

1. DO NOT press or touch the LCD Screen. DO NOT place the Notebook PC with small items, they may scratch LCD Screen or enter the Notebook PC.
2. DO NOT expose the Notebook PC to dirty or dusty environment. Keep the environment clean and dry.
3. DO NOT place the Notebook PC on uneven or unstable work surface.
4. DO NOT place or drop objects on the top of the Notebook PC. DO NOT shove any foreign objects into the Notebook PC. DO NOT cover the LCD Screen strongly.
5. DO NOT expose the Notebook PC to strong magnetic or electrical fields; DO NOT place the floppy disk near or on the Notebook PC, that may loss the data of the floppy disk.
6. DO NOT leave the Notebook PC facing the sun as it can damage the LCD Screen, especially in the car.
7. SAFE TEMP: This Notebook PC should only be used in environments with ambient temperatures between 5°C (41°F) and 35°C (95°F).
8. DO NOT expose the Notebook PC to or use near liquids, rain, or moisture.
9. DO NOT throw the Notebook PC in municipal waste. Check local regulations for disposal of electronic products. Please recycle the Battery Pack, and check with your Local Authority or retailer for recycling advice.
10. Caution: risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.
11. The Notebook PC and the Adapter may occur some heat during operating or charging. DO NOT leave the Notebook PC on your lap or any part of the body in order to prevent discomfort or injury from heat exposure.
12. INPUT RATING: Refer to the rating label on the Notebook PC and be sure that the Power Adapter complies with the rating. Only use attachments or accessories specified by the manufacturer.
13. Checking the connections between the main unit and attachments before turning on the Notebook PC.
14. DO NOT use the Notebook PC during eating food avoid dirtying the Notebook PC.
15. DO NOT insert anything into the Notebook PC that may result in short circuit or damage the circuit.
16. Powering off the Notebook PC, if you want install or remove some external devices, which are not support hot-plug.
17. Disconnect the Notebook PC from the electrical outlet and remove any installed batteries before cleaning. And Keep it away from children.
18. DO NOT disassemble the Notebook PC, only a certified service technician should perform repairs on your computer. Otherwise, problem may result and the manufacturer should not hold responsibility for the damage.
19. Only use Battery Packs approved by the manufacturer or else damage may occur.
20. The Notebook PC has some little metal flake to disperse heat. DO NOT place the Notebook PC on soft objects (e.g.: bed, sofa, your lap), or else the Notebook PC may become hot and halt the system operating.

Notice for the USA FCC Part 15:

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. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or 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 technician for help.

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

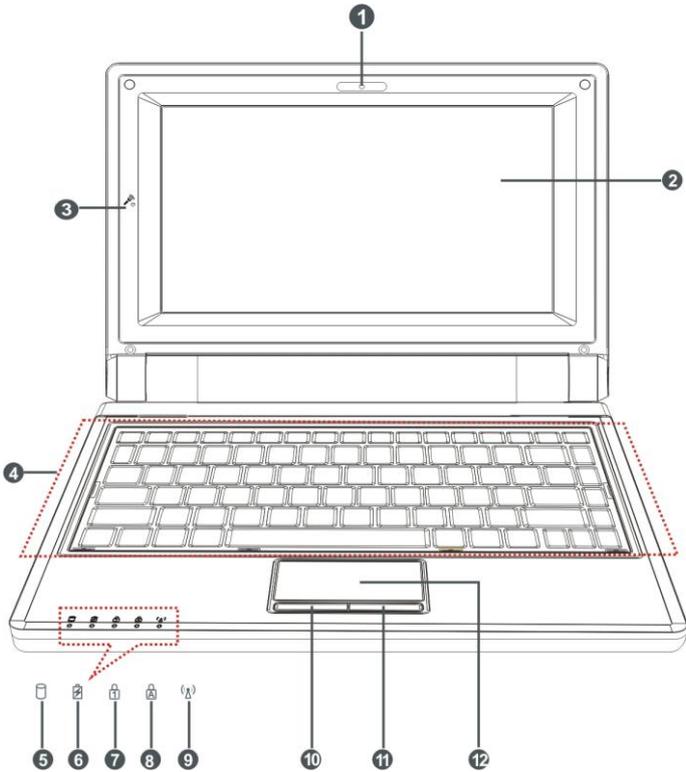
- 1) This device may not cause harmful interference, and
- 2) This device must accept any interference received, including interference that may cause undesired operation.

CAUTION: To comply with the limits of the Class B digital device, pursuant to Part 15 of the FCC Rules, this device is comply with Class B limits. All peripherals must be shielded and grounded. Operation with non-certified peripherals or non-shielded cables may results in interference to radio or reception.

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

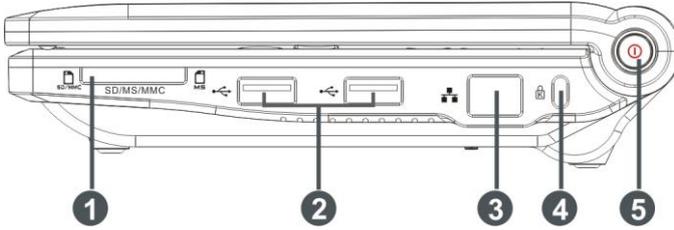
1 Knowing Your Notebook PC

1-1 Top Side



1. Built-in Camera
Click Fn+F8 to turn on or turn off the camera.
2. LCD Screen
3. Built-in Microphone
4. Keyboard
5. HDD Status Indicator
Light is green when the HDD is in active mode.
6. Charge Indicator
Light is orange during being charged and is green when the battery is fully charged or being used.
7. Numeric Keypad Indicator
Click Num Lk to turn on the light and the numeric keypad is unlocked.
8. Cap Lock Indicator
Light is green when the cap keypad is unlocked.
9. WiFi Indicator
10. Left-key
11. Right-key
12. Touch Pad

1-2 Right Side

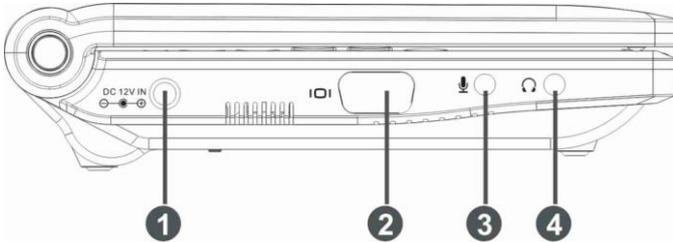


1. SD/MS/MMC Port
2. USB Port (2.0)
3. Ethernet/LAN Port
4. Lock Port
5. Power Jack



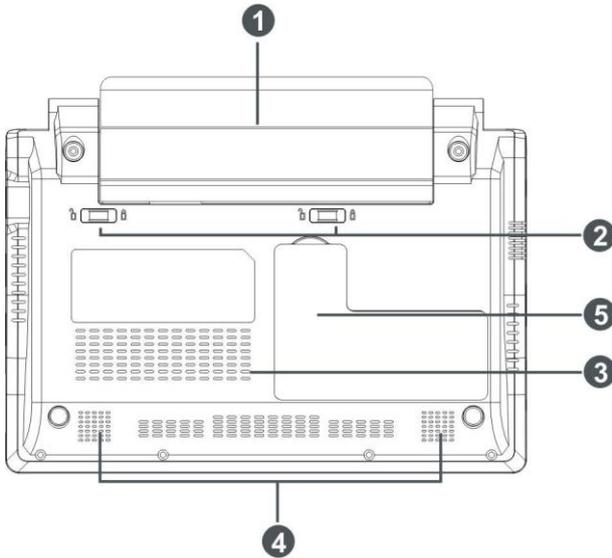
The USB card can only be inserted in one orientation. Force to insert the card may in result of damage.

1-3 Left Side



1. DC 12V IN Jack
2. VGA Port
3. Microphone Jack
4. Headphone Jack

1-4 Bottom Side



1. Lithium Rechargeable Battery
2. Battery Latch
3. Exhaust Jack
4. Speaker
5. Memory Shield

Replace the memory bank by unfolding the shield.

2 Caring the Notebook PC

The Notebook PC is a precision device; the error operation may damage the device.

2-1 LCD Screen

LCD Screen is the most delicate component of the Notebook PC and comprised of thin glass. It may be broken up by external abrupt force. DO NOT scratch the cover of the Notebook PC, or the scrape on the cover cannot remove.

- ✧ DO NOT cover the LCD Screen strongly, or else damage may occur.
- ✧ DO NOT place objects on the keyboard to avoid damaging the screen and keyboard when you cover the LCD Screen.
- ✧ Place the Notebook PC in carrying case to protect it from dirt, water, shock and scratches before traveling.
- ✧ DO NOT drop or place heavy objects on the LCD Screen.
- ✧ DO NOT scratch the LCD Screen with your fingernails or any hard objects.
- ✧ Use a soft and lint-free cloth to wipe your Notebook PC and wipe it gently in order to avoid damaging the LCD Screen.
- ✧ Shut down the LCD Screen, if the Notebook PC will not be used for a long time.
- ✧ DO NOT clean the LCD Screen with chemical cleaners.
- ✧ The LCD Screen DOES NOT come into contact with hard objects (E.g.: cloth button, watchband).
- ✧ Use a soft and lint-free dry cloth to wipe the LCD Screen smoothly. DO NOT use your hand to wipe the LCD Screen directly.
- ✧ DO NOT spill liquid into the Notebook PC as it can damage the components of the Notebook PC.
- ✧ Cover the LCD Screen smoothly in order to avoid moving the hinges and flashing the LCD Screen.



DO NOT clean the Touch Pad with acidic cleaner or spray cleaning solution directly on the Notebook PC.

2-2 Battery Pack

- ✧ Please recycle the Battery Pack, and check with your Local Authority or retailer for recycling advice.
- ✧ DO NOT put the Battery Pack near or into the fire, or else it may cause fire or explode.
- ✧ The Battery Pack will short circuit if the Battery Pack is punctured or reassembled
- ✧ The ideal temperature range that the Battery Pack be used is between 20°C-30°C. Any temperatures above or below this range will shorten the life of the Battery Pack.

2-3 Keyboard

Keyboard is the most often used component by finger directly. Use a little brush to clean or a can of compressed air to remove dust from between the keys on the keyboard. Moisten a soft, lint-free cloth with water or cleaner and wipe the surface of the keys smoothly.

If the water seeps into the keyboard, the circuit will not be damaged directly because of the no-power supply keyboard. But the deterioration of the Printed circuit board will occur and will result in malfunction of the keyboard. Contact your dealers for advice at this moment.

2-4 Touch Pad

- ✧ Keep your hand clean when using the Touch Pad, or else the cursor is out of control.
- ✧ If the Touch Pad is dirty, moisten a soft, lint-free cloth with water and wipe the Touch Pad smoothly.
- ✧ The Touch Pad is pressure sensitive, DO NOT scratch the Touch Pad with hard objects, or rest heavy objects on it.

2-5 Other accessories

Following the below steps before cleaning your Notebook PC and the accessories.

1. Turn off the Notebook PC. Disconnect your Notebook PC and all external devices from their electrical outlets and remove the installed battery.
2. Use the little dust collector to pump the dust from the slot of plug or keyboard.
3. Moisten a soft, lint-free cloth with water and wipe the surface of the Notebook PC smoothly. DO NOT seep liquid into the Notebook PC in order to avoid shorting of circuit and the damage of the Notebook PC.
4. Turn on the Notebook PC after drying it.

2-6 If the water come into the Notebook PC

- ✧ DO NOT turn on the Notebook PC immediately.
- ✧ Disconnect the outlet cable and detach the Battery Pack in order to turn off the Notebook PC, instead of pressing the POWER button to turn off it. Disconnect all external devices.
- ✧ Spill out the water from the Notebook PC. Use a soft and waterish paper or cloth to wipe the surface of the Notebook PC lightly.
- ✧ Use the fanner to dry the Notebook PC and the accessories, and then send it to the service center for advice.
- ✧ DO NOT use hair drier to dry the Notebook PC, or the high temperature may distort it.

- ✧ DO NOT place the Notebook PC into the dirty carrying case again.

2-7 Other Notes

- ✧ DO NOT expose the Notebook PC in hot environment for a long time, especially in the car. Or the parts of the Notebook PC will metamorphic.
- ✧ Keep the data for future possible use termly.
- ✧ Renew the hardware or software termly in order to keep the Notebook PC compatible and steady.

3 Traveling with the Notebook PC

Turn off the Notebook PC and disconnect all lines before moving it. Following the below steps, if you want to travel with your Notebook PC.

3-1 Attention

1. Charge the Battery Pack and the spare Battery Pack fully.
2. Turn off the Notebook PC and disconnect from the wall outlets.
3. Shut down the LCD Screen completely and smoothly.
4. Disconnect the AC lines.
5. Disconnect all lines.
6. Place the Notebook PC in carrying case to protect it from dirt, water, shock and scratches before traveling.
7. Check that you have taken the spare Battery Pack, AC Adapter, power lines, manual and warranty card. DO NOT forget the passwords of the Notebook PC and HDD.
8. Find out the voltage type in the countries you will visit. Your Notebook PC comes with a universal AC-DC adapter, so you only need to buy the different power cords to connect the different outlets or the hotel may provide universal outlets to support your power cord as well as voltages.



If you drive your car with the Notebook PC, DO NOT leave the Notebook PC facing the sun. Place it in the shady and cool area.



DO NOT remove the HDD immediately while or after operating. Set the Notebook PC into the Hibernation mode, before moving it.



The connection between Internet and your Notebook PC will be interrupted when the system enter the hibernation mode.

3-2 How to enter the suspend mode

Click the right button of the mouse on the icon  and select "Configure KPowerSave" to enter the menu, setting the desired time for the system to enter the standby mode or suspend mode.

If you will attend a meeting with the Notebook PC and want still keep the Notebook PC in the current state, please set the system into suspend mode. When you turn on the Notebook PC again, the system will return the last state, which you want.

4 Keep the data for future possible use

Your computer has been fully tested and complies with the system specifications before shipping. However, incorrect operations, mishandling or any other reasons may loss your data, e.g.: Delete or cover the data by error, Damage the HDD by vibration, Damaged by Network virus, Disaster, Loss the data because of being stolen.

4-1 HDD Partition

The damage of the HDD or the operating system may be result in the loss of the data in the HDD.

So you need to save your data to another memory card to avoid losing the data.

In order to improve the performance of your Notebook PC, the HDD of your Notebook PC can be formatted with some partitions, C, D and so on. Save files to the any partitions except C partition. Then you can retrieval or reinstall the operating system without damaging your data.

Select the available software to part the HDD, as you like.

4-2 Class the data in the HDD

- 1) Files: Office files, Pictures, Music and so on.
- 2) E-mail: Sent mail, Address List and so on.
- 3) Information of Website: The favorite of Explorer, Bookmarks of Net-scape and so on.



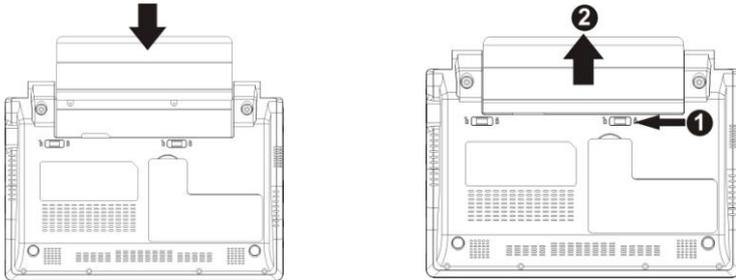
Save these data to the same file, or else you may forget copying some files to the spare HDD or the other memory card. Please save your data for future possible use termly.

5 Getting Started

5-1 Install the Rechargeable Battery

Power the Notebook PC before using it. There are two ways to power the Notebook PC: Use the AC Adapter to power it or use the removable Battery Pack.

The Notebook PC is designed to work with a removable Battery Pack. Your Notebook PC may or may not have its Battery Pack installed. If your Notebook PC does not have its Battery Pack installed, using the following procedures to install the Battery Pack: Push the Battery Pack toward the arrow into the Notebook PC until you hear it click and lock into place.



5-2 Remove the Battery Pack

1. Turn off the Notebook PC, and disconnect all lines.
2. Shut down and turn over the computer to access its base in flat and clean work surface.
3. Slide the Battery Latch toward the arrow ①.
4. Draw the Battery Pack towards the arrow ② to release the Battery Pack from the Notebook PC.



WARNING! For safety reasons, DO NOT disassemble the Battery Pack, DO NOT short the circuit, DO NOT throw the Battery Pack into fire and keep it away from children.



When the Notebook PC with Battery Pack (disconnect the adapter) turns on, the Power Indicator will turn on. And the light will turn off when in standby mode or system halting.



DO NOT attempt to remove the Battery Pack while the Notebook PC turns on, as this may result in the loss of working data.



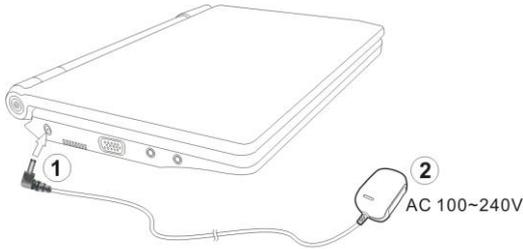
Damage may occur if you use a different adapter to power the Notebook PC or use the Notebook PC's adapter to power other electrical devices.

5-3 Connecting the Power Adapter

The Notebook PC comes with a universal AC-DC adapter and the allowable input voltage of adapter is from 100V to 240V.

Following the below steps to connect the adapter:

1. Take the adapter and the power cord, and then connect the adapter with the power cord.
2. Plug the DC end of adapter into the power jack of the Notebook PC.
3. Insert the AC end to the wall outlet
4. Check the connections above correctly before turning on the Notebook PC.



DO NOT remove the Notebook PC if the HDD is being read or written, that may result in the loss of the data and the damage of the disk. Follow the system steps to turn off the Notebook PC.

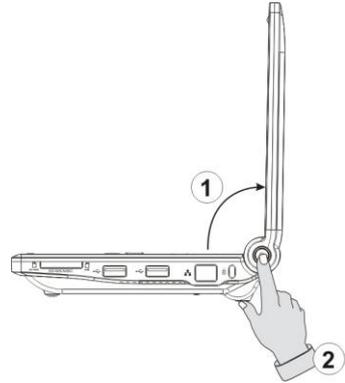


Your Notebook PC and the accessories may differ from the pictures shown.

6 Using Your Notebook PC

6-1 Turning on the Notebook PC

1. Open the LCD Screen and adjust the angle of the Notebook PC's LCD Screen
2. Press the POWER button to turn on the Notebook PC.



6-2 Adjust the Brightness of LCD Screen

The Notebook PC uses an active matrix LVDS LED and provides a Display (Monitor) Output Port to connect the external monitor. The Notebook PC supports the function to adjusting the LCD Screen through the OSD interface (On Screen Display: OSD).

Click	Function
<Fn>+<insert>	Decrease the brightness of screen
<Fn>+<Delete>	Increase the brightness of screen
<Fn>+<Prtscr sysrq>	Shift between LCD Screen and external monitor



LCD Screen is made of glass and may be damaged if the Notebook PC is dropped or shoves any hard object.

6-3 Keyboard Usage

The Notebook PC's integrated a U.S standard keyboard with 80 keys.

- ◇ Click the numeric/symbol keys to input the desired keys after starting the keyboard.
- ◇ Press <Num Lk> key to enable the keypad, the  light indicates that the keypad is active; press <Num Lk> key again to disable the keypad.



Each key on the keyboard may have multiple functions in different software.

Function Keys

These function keys with the color word or icon sign means that their function only can be activated when clicking the function key and the <Fn> key at the same time.



- ◇ <Fn>+<F1>: Turn on or turn off the WiFi.
- ◇ <Fn>+<F2>: Turn on or turn off the mute.
- ◇ <Fn>+<F3>: Turn down the volume.
- ◇ <Fn>+<F4>: Turn up the volume.
- ◇ <Fn>+<F5>: Play or pause the playback.
- ◇ <Fn>+<F6>: Return the previous track.
- ◇ <Fn>+<F7>: Go to the next track.
- ◇ <Fn>+<F8>: Turn on or turn off the camera.
- ◇ <Fn>+<F9>: F11
- ◇ <Fn>+<F10>: F12

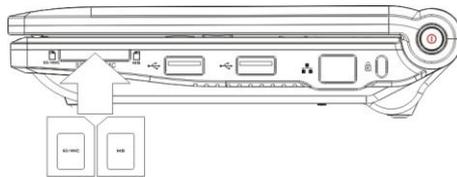
6-4 Card Reader Usage

The Notebook PC has a single built-in memory card reader that can read the following flash memory cards: Secure Digital, Multi-Media Card, Memory Stick. See the manual of the relevant card for more information.

6-5 The Memory Card

Insert The Memory Card

The card only can be inserted in one orientation (with the card's electrical contacts towards the bottom of the unit). Force to insert the card may in result of damage.



Push out the Memory Card

Stop the card's operation, then eject the card in by lightly, the card will exit from the port.

7 Internet Connection

7-1 Connecting with the network via Wired LAN



You can go online automatically that the Notebook PC can auto search an IP address to wired network connection with a DHCP server; otherwise, you can also take the following operation:

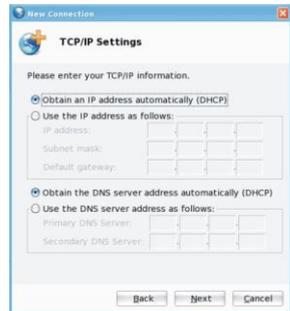
Before connecting the network with your computer, setup your network system first, and then connect telecommunication line to your Notebook PC.



1. Click the left button of the mouse on the icon  in the right-bottom corner of the desktop and select “Connection Manager” on the popup menu and select “New” to enter the menu as shown right:



2. On the above menu, click the mouse to tick “LAN” and click the front panel of the item “use DHCP as TCP/IP default and ignore TCP/IP page” to cancel the tick, then click “Next” to enter the window of “TCP/IP Settings” as shown right:



On the menu, you need to input the IP addresses, subnet masks, default gateway, DNS and etc, then click “Next” to enter the window of “Summary” to tick the item “connect after finish”, then the system will start connecting the network. After several seconds, click the icon  to check if the connecting is successful or not.



Contact your Internet service provider for more information about the setting of IP and DNS.

7-2 Wireless LAN

Your Notebook PC comes with a built-in Wifi wireless card that you can click <Fn>+<F1> to turn the wireless network on or off. When the wireless network turns on, the WIFI Indicator  turns on and the icon of WIFI will display on the right-bottom corner of the desktop.

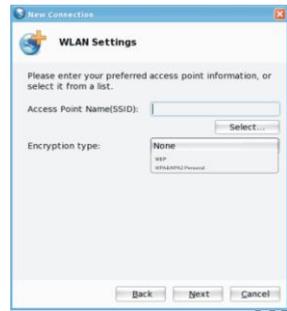
- If you are using wireless network with DHCP- configure, click the left button of the mouse on the icon  and the system will auto search the list with the available network name as shown right:



Some network may need you to confirm by inputting the password that you should operate according to the prompt information from the system.

If you need to set a new wireless network connection, please refer to the below operation:

1. Click the left button of the mouse on the icon  in the right-bottom corner of the desktop and select "Connection Manager" on the popup menu and select "New" to enter the menu then remove the mouse to tick "WLAN"; then click the front panel of the item "use DHCP as TCP/IP default and ignore TCP/IP page" to cancel the tick, then click "Next" to enter the window of "TCP/IP Settings".
2. On the menu, input the name of connected network or select the item in (searched network) on the "SSID"; then select right encrypted way in "Encryption type", and select "Security type", input "Security key/passphrase" and ect, as shown below. Finished the setting and click "Next" to enter window of "TCP/IP" (see the detailed on P17")





Some Methods of **WiFi Encrypted** in common:

1. WEP 40/128-bit Hexadecimal
2. WEP 40/128-bit ASCII.
3. WPA & WPA2 Personal
4. WPA & WPA2 Enterprise

7-3 PPPoE

1. Click the left button of the mouse on the icon  in the right-bottom corner of the desktop and select "Connection Manager" on the popup menu and select "New" to enter the menu then remove the mouse to tick "PPPoE" to enter the menu as show right:



On the above menu, input the related Username and the Password firstly; then click "Next" to enter the window of "Summary", click to tick the item "connect after finish" on the menu and click "Next" to start the connection.



The setting in "MAC address" is defaulted by the system without necessary to fill in.

8 Power Managing System

8-1 Battery System

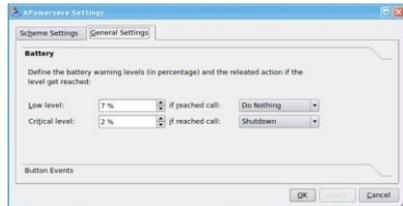
The Notebook PC is designed to work with a removable and high capability Battery Pack.

8-1-1 Checking Battery Power

Click the right button of the mouse on the icon  to show the KPowersave menu as shown below:



On the menu, click “Configure KPowersave” to enter the power save setting mode, see as below:



You can also click “Set Active Scheme” to select any mode to activate on the “KPowersave Setting”.

Click the left button of the mouse on the icon  on the right-bottom corner of the desktop to check the power of the battery.



DO NOT attempt to remove the Battery Pack while the Notebook PC is turned on, as this may result in loss of working data and damage of the Notebook PC.



When you use your Notebook PC first time, check the remaining battery power, and make sure that the new Battery Pack has been completely charged.



The Battery Pack has limit on the number times it can be recharged. In any case, the Battery Pack's usage time will eventually decrease and a new Battery Pack must be purchased from an authorized dealer for this Notebook PC.

8-1-2 Charging the Battery Pack

When you use your Notebook PC first time, check the remaining battery power, and make sure that the new Battery Pack has been completely charged before the Notebook PC is disconnected from external power.

The Battery Pack begins to charge as soon as the Notebook PC is connected to the external power, and the Charge Indicator light will turn orange. When the Battery Pack charges completely, the Charge Indicator light will turn green. Save your working data or connect the adapter when the battery power is low. And the battery will stop charging if the battery is fully charged.



The red Charge Indicator light will flash when the battery is weak.

8-1-3 Low Power Warning

The system will display the warning windows and advise you to connect the adapter, when battery power is low. Save your working data if you don't have the adapter at this moment. The warning function will be set in the "KPowerSave" menu.

8-1-4 Battery Power

The Battery Pack's actual figure varies will depend on how you use the power saving features, your general work habits, the CPU, system memory size, and the size of LCD Screen. Please turn on the manage power function and connect the adapter to save electric power.

8-1-5 Store the Battery Pack

DO NOT leave the Battery Pack discharged; the Battery Pack will discharge over time. But in any case, the Battery Pack's usage time will eventually decrease and a new Battery Pack must be purchased.

It is ideal that the battery be stored in a temperature range between 10°C and 35°C. Any temperatures above or below this range will shorten the life of the battery. If the temperature is too high, it may cause fire or explode.



DO NOT throw the Notebook PC in municipal waste. Check local regulations for disposal of electronic products.

8-1-6 Prolonging the Battery's Life

- ◇ Use the AC adapter wherever the AC wall outlet is available. Charge the battery completely for using in your traveling.
- ◇ Take the card from the Express Card port when the Notebook PC does not connect to the electric outlets in order to save the power of Battery Pack.
- ◇ The ideal working temperature is from 20°C to 30°C. Any temperatures above or below this range will shorten the actual usage time of the Battery Pack.
- ◇ After charging the Battery Pack completely, keep the Battery Pack in the Notebook PC. It will stop charging if the Battery Pack is fully charged and not be damaged.
- ◇ DO NOT leave the Battery Pack discharged over three month, the Battery Pack will be damaged, it must continue to be charge every three months, as well as the spare Battery Pack.
- ◇ Purchase an additional Battery Pack.
- ◇ DO NOT often plug or pull the Adapter from the electric outlets, it is the best way to prolong the Battery Pack's life.
- ◇ The life expectancy of the Battery Pack is approximately 300 recharges.
- ◇ Store the Battery Pack in cool and dry place, the ideal temperature is from 10°C to 30°C. The Battery Pack will discharge quickly in hot environment and the life of the Battery Pack will be shortened.
- ◇ DO NOT throw the Notebook PC in municipal waste. Check local regulations for disposal of electronic products.
- ◇ DO NOT put the Battery Pack near or in the fire, or else it may cause fire or explode.
- ◇ The Battery Pack will short circuit if the Battery Pack puncture or reassemble.

8-2 Power Management Modes

8-2-1 Standby mode

The function of Standby mode: Store your current data and status in RAM, turn off the external device, but the Power Indicator Light still turns on. If you press the POWER button, the system will operate again. Standby timer as set through "KPowerSave Setting".

8-2-2 Suspend mode

In "Suspend" mode: The computer saves the current state of the system in RAM and switches off power to the CPU. The power indicator light flashes in this mode. Press the POWER button to restart the system.

8-2-3 Log Off

Click the left button of the Power icon  to select “Shut Down”.

If the system is force to turn off because of using up the power in the standby mode. Your current data and status will be stored on the HDD. The system will operate again after changing a power-full battery or connecting the wall outlets.

When the power is used up, the Notebook PC will exit the standby mode and turn off. Store your working data, before using up the power of the Battery Pack.

8-2-4 Restart the System

Press POWER button to exit the suspend mode and enter the current status. And the “restart” function will reactivate all the operating programs.



Press and hold the POWER button for over 4 seconds to turn off the Notebook PC if the system halts. Press and hold the POWER button for over 2 seconds to turn off in normal mode.

8-3 Power Saving

When you use a battery as the source power for your Notebook PC, you can take advantage of power management settings to conserve battery life.

8-3-1 Connect the Adapter without using Battery Pack

The Battery Pack has a limit on the number times it can be recharged. DO NOT use the Battery Pack if you have the adapter.

8-3-2 Adjust the brightness of LCD Screen

If necessary, adjust the brightness of the LCD Screen in order to save the electric power. Close the LCD Screen if you don't need to use your computer for a brief period.

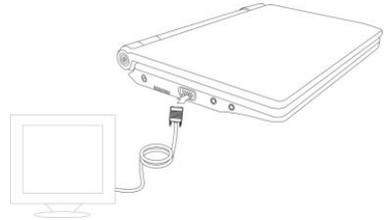
9 Upgrading Your Notebook PC

9-1 Connect the External Monitor

The Notebook PC supplies a VGA port for connecting External Monitor or projective device.

9-1-1 How to connect the External Monitor

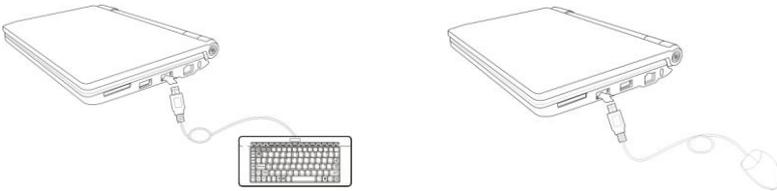
1. Turn off the Notebook PC and insert the 15-pin D-sub monitor plug to the external monitor.
2. Turn on the Notebook PC.



<Fn>+<Prtsrq>: Shift between LCD Screen and external monitor.

9-1-2 Connect Keyboard and Mouse

The Notebook PC's integrated a U.S standard keyboard with 80keys. If you want to use the external keyboard or mouse, connect the external keyboard and external mouse by the USB port.



When you disconnect the external keyboard or external mouse from the computer, grasps the connector, not the cable itself, and pull firmly but gently to avoid damaging the cable.

9-1-3 Connect Audio Device

The Notebook PC can be connected headphone, sound box and microphone. Follow the steps to connect the External Audio Device:





The speaker will turn off automatically after connecting the external headphone to the Notebook PC. Excessively loud volume could damage your hearing. So turn down the volume before connecting earphone, and then raise the volume to comfortable level.

9-1-4 Lock Port

The Lock Port allows the Notebook PC to be secured using and can prevent the Notebook PC to be removed from a fixed object.



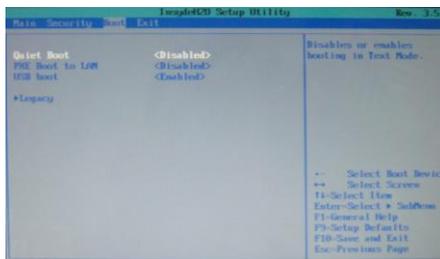
9-2 Enter the BIOS Setup Menu

Follow the below steps to enter the BIOS Setup Menu:

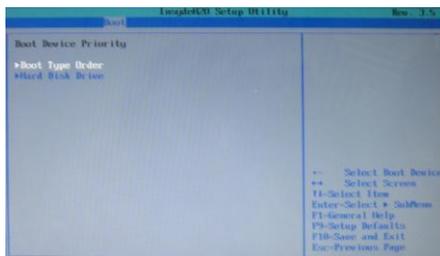
1. Click F2 button quickly during loading the system, then the system will enter “Setup Utility” as shown below:



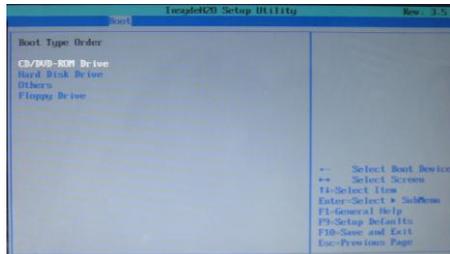
2. Click the left/ right direction keys to select “Boot” and click the Enter button to enter the below menu:



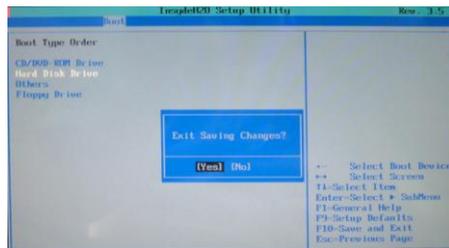
On the menu, click the up/down direction keys to select “Legacy” and click the Enter button to enter the below menu:



3. Click the up/down direction keys to select “Boot Type Order” and click the Enter button to enter the below menu:



4. Click the “Shift” + “+” / “-“ to remove the item position and then click the up/down direction button to select the startup option. Proceed to click F10 to pop up the dialogue box and select “Yes” firstly, then click “Enter” to save the setting as shown below:



5. Click F12 directly to select the temporary startup option after turning on the unit.

10 Appendix

10-1 Troubleshooting

Q1: How to turn off the Notebook PC when the halted system cannot warm boot?

A: Press the POWER button and hold 4 or 6 seconds to turn off the Notebook PC.

Q2: How to check the Notebook PC if the Notebook PC cannot be turned off?

A: 1.If the power is low, connect to the electric outlets.

2.Check that the video display system is not in the external monitor mode.

3.Make sure the indicator of the adapter turns on and the adapter works well.

4. Remove the U disk, SD card and any other external device.

Q3: If the water come into the Notebook PC

A: 1. DO NOT turn on the Notebook PC.

2. Disconnect the outlet cable and detach the Battery Pack in order to turn off the Notebook PC, instead of pressing the POWER button to turn off it. Disconnect all external devices.

3. Spill out the water from the Notebook PC. Use a soft and waterish paper or cloth to wipe the surface of the Notebook PC lightly.

4. Use the fanner to dry the Notebook PC and the accessories, and then send to the service center for advice.

5. DO NOT place the Notebook PC into the dirty carrying case to again.

Q4: After entering the standby mode, why the system cannot reactivate and how to check this problem?

A: Definition:

Standby Mode: Store your current data and status in RAM, turn off the external device, but the Power Indicator Light still turns on. Press POWER button to operate the system again.

Suspend Mode: The computer saves the current state of the system in RAM and switches off power to the CPU. The power indicator light flashes in this mode.

Press the POWER button to restart the system.

Q5: Why the system cannot be recover?

A: 1.Damage from External memory or built-in memory: If the data are saved to an error memory address, the data cannot restore.

2. Incompatible external device: The system may enter the standby mode and cannot resume, when the incompatible external device is connected to the Notebook PC.

3.Error from drive program or application program: The system may refuse to operate some files (file formats: .dll, .sys, .exe and so on.) and enter the standby

mode or hibernate mode. If the incompatible application program will be refused by the operating system, the system may fail to recover.

Q6: How to check the system which cannot recover?

- A: 1.Remove the external devices and their device program.
2.Refresh BIOS system
3.Refresh the appropriate program.
4.Remove the error application program.
5.Reinstall the operating system.
6.Send back the Notebook PC for checking.

Q7: How to prolong the life of the Battery Pack?

- A: 1. Adjust the brightness of the LCD Screen to proper level.
2. Turn down the volume.
3. Make the appropriate setting in the Power Management menu.

Q8: If the image isn't clear

- A: Check that the lens is clear or not, if not, clean with the soft cloth.

Q9: If the mobile moves slowly

- A: The camera needs some light when gathering the data and the speed will be slow if the light condition isn't good. Please adjust the screen position of the Notebook PC or the position of the user.

The image display also shall be slower by the heavy loading for the system when the many applications are running. Please close the unused procedure.

Note:

Q8 and Q9 are the questions when you are using the camera for video capture, conferencing, and chatting.

10-2 Specifications

Main Feature	
CPU	Intel Atom N270 (1.6GHz, 533-MHz FSB)
CPU Power Consumption	2.5W MAX
L1 Cache Size	On-die, primary 32-kB instructions cache and 24-kB, write-back data cache
L2 Cache Size	512-kB on-die second level cache
Memory (#)	Min 256 MB Max 2GB
Memory Type	DDRII 533/667 MHz
Storage	
HDD Capacities (#)	160GB
TFT Screen	
TFT Screen Size	8" inch (16:9)
Screen Type	TFT
Description	TFT LCD (Physical Resolution: 800X480)
Built-in Camera	
Resolution	1.3M Pixels
Video/Audio Feature	
Video Card Type	Intel GMA 950

Video Card Capacity	Share Dynamic EMS Memory 128MB(Max)
Audio System	Built-in speaker

Sound Card Type	Realtek High Definition Audio
Network Card	10M/100Mbps LAN Card 802.11 b/g Wireless Card
I/O Device	
Mouse	Touch Pad
Keyboard	U.S 80-key keyboard
Condition	
Operating Temperature	5-35°C
Operating Humidity	35%-85%
Storage Temperature	-20-55°C
Storage Humidity	20%-93%
Power	
Adapter	AC 100~240V; DC 12V
Output Power (maximum)	≤36W
Battery (Type)	Lithium rechargeable battery
Voltage	7.4V
Port Standard	
LAN	RJ45
Audio Port	Headphone Port, Speaker, Built-in Microphone, Microphone Port
USB Port	USB-A Port(x2), USB2.0
SD Card Port	Support SD/MMC/MS Card

VGA Port	D-15 Output	
Physical Features		
Weight	No battery	About 0.8Kg
	With battery	About 1.0Kg
Dimension	227.5×164×40.5mm	



Design and specifications are subject to change without notice. The # symbol means that the item is optional.