FHX

Maintenance Guide

■ ENGLISH

Please read this manual before using and keep it well for the future usage.

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■ The manual of parts and components which are only for explanation and the specific configuration and accessories, please refer to the packing list.

Safety declaration

Thanks for buying our laptops of FHX series.

Before using our products, please read this manual and other data about the product and understand all the warning and remarks.

✍ Note: If you don't comply with relevant rules may cause property damage, loss of life or violate the law. For the improper use of environment which cause damaged, no liable to our company.

Warning

Don't boot-strap or use in the disable wireless site

Please follow the relative regulations , don't use WIFI , in hospitals and airports ,or will cause life dangerous.

Don't use computer near the water or other liquids

Please get far away from the bathroom, kitchen and water place .If the water seep will cause short-circuit or damaged.

Don't let Kids get the battery, plastic bags or desiccant

If the Swallowed for mistake will lead poisoning, please look for doctor immediately.

Don't disassemble for cleaning and repairing by yourself

Only allow the qualified man disassemble, Or easy to damage the machine. If need to repaired, please call agent.

Don't put the machine on the unstable surface

It's easy to cause drop and damage. Please pull off the power battery and cables and seek for help immediately.

Only use power adapters in the specify voltage.

It will cause the damage of the machine, shock or fire.

Attention Items

Please pull up the power cord on thunder days

In case of damaged by thunderstruck which will cause electric shock and fire hazard

Don't use looseness or damaged outlet.

It 's easy to cause electric shock and fire hazard.

Get far away from the electromagnetic field

It'll cause HD data lost or damage of LCD screen.

Don't block the fan exhaust hole when using

Or will cause component damage or fire hazard.

Don't press machine heavily

It'll damage the LCD screen or other parts of the machine.

Please hold the plug ,never pull wires

Or damage the power cord and have the electric shock.

Don't use inferior bag to take the product

Should use the bag with enough pad to protect the products, don't put the products into the crowded bag.

Don't move the machine when Hard Disk operated

Or will cause the data lose and the damage of the HD, please close the machine or let it on the sleeping mode.

Don't touch the heating position for a long time

Or it's easy to scald your hand or other parts of your body.

Don't put the machine in the extreme cold & hot

Or will cause damage or unable to work.

Warm Attention

Please adjust the environment and equipment of the laptop when using it for work or amusement for making body and mind in good condition and comfortable. The following tips will help you to protect your health.

■ **Protect your eyes**

Adjusts the position of the display monitor, avoids the high photo source reflection being dazzling, distance of the display monitor should be in the hand reach position, the upper limb should be supposed to put down in or the position should lower than the eye. Adjust the monitor brightness, the contrast gradient and typeface size transferring to feels comfortable condition.

■ **Reduce neck exercise**

Keep the head and neck is on the same position, and the forearm as the same as wrist and hand. Please keep short rest to reduce body stretch timing for using computer for a long time.

■ **Corrects your sitting posture**

The choice has the support back waist chair, adjusts the chair position and the altitude, maintain the arm and both hands is in the comfortable position. Eliminate the table following goods, for a leg free activity and comfortable space.

■ **Relax your hands and figures**

When operate the keyboard, touch controls the board or the game controller, maintain the hand and finger to relax, with the oversized strength, avoids to putting the palm of the hand or the wrist for a long time pauses in on the cross wide angle object surface.

Protect your hearing

■ Please check the volume when you using the earphone, don't use it for a long time.

✍ Note: Please don't use computer for a long time, specialist suggest to have a 10 minutes rest every two hours for putting away your sight, your joints, in order to avoid myopia and physical discomfort.

Maintain

■ Environment of use

- For transportation and storage, the temperature of the computer is -40°C~50°C, Relative humidity: 20%~90%.

- Please use the computer in the scope of temperature 50~95°F (10°C~35°C), range from 20%~80%.

- For preventing the damage and keep the best system, please hold ventilation and heat dissipation and keep it clean. Don't use the machine in the clog position just like soft surface, eg: cushion or bed .

- The correct connection alternating current supply adapter, the mouse, the keyboard, the printer either any other electronic installation electric cable or the communications cable, cause them not to be able to receive the machine or other object extrusion, cannot step on, cannot trip, as well as cannot be in any possibly can disturb the computer run in the situation. Possibly can damage or break off the electric cable to the electric cable infliction force.

✍ Note: As jam cooling hole or cover vents, will cut off the air circulation, which may lead to high temperature and burned-out internal components.

■ Battery

- uggestion that each 30 days do one time discharge completely and charge completely, when use the battery for the work, the battery completely has discharged until the battery capacity exhausts uses the computer automatic close-down or the dormancy.

✍ Note: Lithium ion battery have no memory, no need to completely discharge and charging the battery, you use please refer to annex package specification → 《Quick user Manual》 appendix page A.

- After delivery, the battery is not full. So please charge and use adapter when you use it at your first time. If no battery, you also can use adapter to charge.

- In order to avoid the data missing or damaged, please save the data immediately and charge if warning the lower power(The remaining battery power is less than 10%), The computer will enter a dormant mode if the power shortage heavily.

- Please get out the battery if you want to storage your laptop. The battery will use up after deposit for a long time. So if you want to reuse, please charge it.

- Battery used incorrect will cause fire, burning or damaged of the battery .Please don't let two poles contact with metal products, no pierce, burning and disassemble the battery. Don't be exposed to the temperature over 65°C (149°F) or water.,

- If battery is in the high temperature environment, then connect the power source, the battery is possibly unable to charge. Should separate the power source, and causes its cooling to the room temperature, then the computer connection to the power source plug, and continues for the battery charge.

- The use of incompatible battery possibly can increase the fire or the detonation danger. When replaces the battery, please only use the compatible battery which purchases from FHX. Please do not use the battery in your computer which gets from the other computer.

✍ Note: Please don't throw the battery like the rubbish. If the battery can't use, before deal with the battery please ask for waste and environmental protection agency.

Please be very careful when you deal with the damaged battery. If the battery acid divulges, can create the person to injure or damaged. Contacts the battery acid not carefully, please do clean immediately, Such as eye contact to or cleaning after the adverse reactions, should go to a hospital treatment as soon as possible.

■ AC adapter

- Please use qualified three core belt of protective grounding ac power socket for power adaptor, please use the ac input specifications. AC adapter input/output specification → 《Quick user Manual》 appendix page A.

- If you need to communicate adapter battery power supply switch, please ensure that after the power of the battery, than disconnect adequate communication adapter.

✍ Note: Don't pull the cord and adapter cable. Don't damage power adapter, you should be gentle with to avoid shock or fire danger
Please use the original standard power and power adapter, otherwise it will damage the machine.
In computer with ac power adapter, please don't flip the machine, Otherwise you may break adapter plugs.

■ Display panel

- Don't put any weights on the laptop.
- Please make sure that your package is not too much and no extra press on the back of LCD (LCD screen should put outside of the bag when the laptop back on the body) .
- Don't grasp, turn or hit the LCD screen surface, when raises the screen should grip the display monitor crown edge.
- Don't directly exposure the LCD screen under the sunlight or the fluorescence.
- Don't deposit any objects during the LCD screen and key board. Such as: pencil, documents, because it's easy to scratched and damaged.
- Don't use corrosive cleaner to brush LCD screen.

Note: When open the notebook please do not cross the effort, do not have downward or presses in the screen effort, in order to prevented opens the angle to cause the screen and the keyboard middle revolution axis break, or cause the outer covering the attrition. In addition, if you must move your computer, please do not grasp the screen to take up the computer.

■ Touch pad

- Don't use sharp objects collide boards, otherwise you'll be scraped the touch boards.
- Don't over press the board, or will damage the board.
- Please avoid with grease and liquid, keep your hand clean and dry when use the board.
- Don't put the weights on the touch panel and the two buttons.
- Don't wear gloves, fingertip or wettest hand when using the computer , which will effect the operation in gear.

■ Keyboard and crust

- Don't use sharp objects collide keyboard and crust, otherwise you'll be scraped the surface.
- Don't over press or place weights on the keyboard which will effect the sensitive response.
- Don't place weights on the crust or will crush internal accessories.
- Don't spill liquid in the keyboard or into the computer, if it happened please cut off the power and get out the battery immediately and turn over the machine, natural dry, Otherwise will damaged.

■ Other equipments

- Don't move or shack the laptop and pull the power source which is easily damaged hard disk, or other components. Must be removed all media, move off the computer and disconnect all cable connection.
- When the system is visiting CD-Rom, U disk or other storage medium, don't directly move out of medium. Or it may cause damage or data system crash.

Note: If using AC adapter power supply when operating computer, please do not remove battery in power for preventing the drive and other equipment damaged

Cleaning

Before cleaning the laptop, please disconnect the power and take out all the battery.

■ Cleaning crust

- You can use of flexible detergent mixture for the kitchen (not contain the abrasive powder or strengthen chemical components, such as acid or alkali), made the proportion 5:1 between Water and detergent. Using sponge and soft cloth to absorb the detergent then wiping the crust.
- After cleaning the sponge in water or with soft cloth to wipe the surface again slightly drain to wipe detergent.
- Use dry cloth is wiped again, soft cloth surface etc, and then connect fully dry power.

■ Cleaning keyboard

- Please use clean soft cloths to absorb some isopropanol to clean the keyboard in order to ensure no water solidify.
- To remove the dirt and debris under the button, can use the brush or blower fan to clean.

■ Cleaning LCD panel

- Firstly use soft dry cloth to wipe gently for removing dirty screen. If smear is still exist, please use or for 50-50 of the impurities of the metal mixture water without flannelette, twist dry wet wipes, reoccupy after cleaning cloth wipe twist dry again.

Note: Please make sure that the screen has been completely dry, before close the screen or turn on the power operation computer.

ou can learned how to solved the problems of software and hardware. Your laptop before delivery already passing all the test which is accord with the standard, but the wrong operation or mistake of the delivery will cause some problems.

This chapter will offer some information and reference for the problems of software and hardware.When you fall across the problems, you can dealed with according to the manual . If the problems can't resolved, please ask for agency or FHX service organization.

Problem of voice

■ No voice

- Please double-check the horn icon which is on your right corner and check whether have silencing on the equipment or press the function hotkey in order to close the silencing or improve the volune. You also can hit [Start] → [Control Panel], find the horn icon then open [Sounds and Audio Devices] to check the voice.

- Most problem of the voice is related with software, please ensure that the progress of audio equipment drive is right. Please check the software if the the voice is doesn't work under the software.

- If you use external audio source or headset without sound, please check out relevant connections of external equipment malfunction.

■ Incapable recording

- Please double-check the horn icon on the right taskbar, or click [Start] → [control panel], find the horn icon, open [Sounds and Audio Devices] , then double the <Volume> of Sound recording, whether select Microphone option or the voice is too low.

- Otherwise is relative with the software, such as Messenger soft can setting the voice and silencing option.

- If you use microphone interface to connect with the recording device, please pull off the line connection to check the fault of external device.

Problem of LCD

■ Black screen

- Please make sure that the laptop is not in [hibernation] or [stand by] mode. In the model, the screen will be under close to conserve energy.

- Please confirm the computer display device or external which is only CRT output in patterns, please press relative hot key for turning.

- Please confirm whether in external display equipment set up more than Screen resolution and Screen refresh rate or will black screen. In external display device or heavy boot into related to return after start-up mode Settings.

- When computer starting idle appears the black screen, possibly has begun using the screen saver or the power source management. Please move the mouse, control panel or any button to exit, or change the screen protect and the setting of power source.

■ Exceptional display

- When you open or close the computer you 'll see glitter and it's the natural phenomena.

- After entering desktop of windows if have glitter , you can raising the Screen refresh rate of update.(the high setting will effect the natural display or black screen).

- If the apparent of screen is too dark, please press the function keys to add the lightness.

- If the content in the screen can't read or distortion, please ensure that install the right display device driver, the resolution of the screen and the quality setting of the color .

■ Imbecility pixel

- Due to the limited of the produce art of LCD, there are some pixel points which cause can't show some colors (usually called bad pixel point). If you have any queations, please find our agency or FHX service to find out some CNS GB/T9813-2000.

- The following is the content relative CNS, please inspect under those conditions :
  Ambient temperature: 20℃~25℃   Lamplight: 300lx~700lx
  Eyeballing distance: 35cm
  eyeballing angle: the sight is 90 degree with screen.

Problem of HDD

■ Can't identify

- Please inspect that the IDE Channel isn't setting to Disable or None in the BIOS.
- Please check the right install of the HD, the interface of the HD is totally joined and whether the capacity of the HD is in the scope of the support by main board, if you do the upgrade just now.
- If your computer suffered static or bump, your HD is damaged impossible or the system can't support the new HD (Please check the specification information from the 《Quick User manual》.

■ Deviant work

- Please ensure that the right install way of operating system and drivers if the HD is already format and subarea.
- Please confirm that whether close the computer abnormally, because it's easy to damaged the system. Please restore the damaged data on the DOS system to subarea again.

  ✍ Note: Repairing the subarea will cause data missing, subarea again will losing all the datas. So please be more careful.

  Please get far away from the magnetic field (such as sound box ,mobile phone), the information from the HD be likely to damaged by magnetization.

■ Work slowly

- If your laptop already used for a long time, so many mussy data will cause disk fragment. Please click [Start] → [Programs] → [Accessories] → [System Tools] → [Disk Defragmenter] to do the arrangement of the disk. But need to cost a long time.
- Impossible that your computer already infect the virus, please update your Anti-virus software to your computer, HD and other moving medium.
- Everytime If check the HD automatic when open the laptop, some data will damaged. Please execution [scanning the disk]. Right hit → choose [Properties] → [Tools] → [Check Now..] to execute the progress of scanning which is used for repair the wrong data system or logic sector of the HD.

Problem of RAM

■ Can't identify

- After change the new memory bank, if can't check or no memory capacity display, please make sure whether the install is right.
- If you install more than one memory, please ensure the compatibility between the EMS and whether is in the scope of the support, so suggest to use same type of the memory module.
- If the work of dust proof and damp proof is not good will cause oxidize of the interface and poor contact. Please reinstall the memory (use erase to wipe off the oxidize layer and dust).
- It's possible that the EMS already damaged if the system incompatible with memory. Also if the temperature is too high or have water into will cause damaged.

■ Out of Memory

- When the operation system is running and send the mistake information for memory is not enough. Please close some inapplicable application software and reopen it.
- Your EMS is too small that please fix the large capacity memory.
- You can add the virtual memory when the memory is not enough. Please click the [Start] → [Control Panel] → [System], also you can right hit the desktop [My Computer] → [properties] → [Advanced] → [Setting] of performance for change the virtual memory. Different operation system will cause different setting ways.

Frequently problems

■ Can't boot-strap

- Please check the power source and adaptor of the wire which should insert securely. Also should check the power of the laptop and the interface of the battery where is very clean.
- Separate to use the battery and adaptor to charge. Inspect the light when you open it.

■ **Can't on-line**

• Please check the connect between the reticle or telephone line. Access device (such as Modem, Router etc.) and the network whether set up.

• Please confirm the telephone line and check it whether can dialed.

• If you headline on hotel or other place, please check the device which can used and support this service.

• If use the WIFI, please confirm whether cover with the signal and the drivers which was installed ok.

■ **Program error**

• Please ensure that the programs are install normally. No mistakes.

• Please confirm the hardware of the laptop whether fulfil the request of the program. Please read the manual for using the software and ensure the enviroment of the software.

• Please read the manual for using the software and confirm the other device for peripheral equipment all can use normally.

• Closing the sofeware which is still running for eliminate the conflict of the software. If still can't running ,advice to unloading the sofetware and restarting the laptop,then can install normally.

Other problems

■ Stand&hibernation

• If the system can't return from stay or dormancy mode, maybe is caused by power off. Please return the adapter or open it.

• If the system still can't return, maybe the data for retuen is lossing, please restoration the computer by press the power more than 5 seconds.If also no return, you can demount the adapter and bettery.Diaplasis will cause lossing the data in stay or dormancy mode .

■ **Problem of keyboard**

• Please use function hot key<Fn+NmLk>to locking the digital function.

• Please ensure that whether have barrier if some key on the board are useless. Whether the water can congeal to dropping when clean the keyboard.If the liquid enter into,please overturn for dry. The dust also can effect the contact between key and circuity panel.

• If all the keys are no reaction,please check it whether on stay state. If the external interface installed, please ensure insert is ok and the drivers of the device are ok.

■ **Problem of battery**

• After automatic check the computer will enter into stay mode. If use battery for power supply, please ensure that the battery is already abundance and the operating temperature is in the accept scope.

• Please ensure the setting of power source management if the laptop closed before the battery is no power. If it's not caused by setting, please completely discharge and charged again.

• If the work time is still short when the battery is fully charged, maybe the reason is the using time is out of the charge and discharge times, so please change new ones

■ **Stop response**

• If the running program have no reaction, please close or running [task management] to close the task. You can put your mouse on the Start title and right click or hit <Ctrl+Alt+Del> to open.

• When start up the laptop, (POST) will send the mistake information, please look at the news and confirm the type and severity. Not all the clew news are all means mistakes, some are display the state or the setting problems.

• If the computer stop to response (all the touch keyboard, touch panel and mouse are all stop to work),please press the power key for 5 seconds then open again or demount the adapter and the battery which is caused by the compatibility between hardware & software. Please follow the clew question to deal with this problem or upgrade the anti-virus software.

If you have the request of ungrade or replacing the equipment, please read the manual carefully about the safety proceeding before remove the shell.

✎ Note: Different type of device and position is unlikeliness.The install and replacing way are most the same.

Replacing HDD
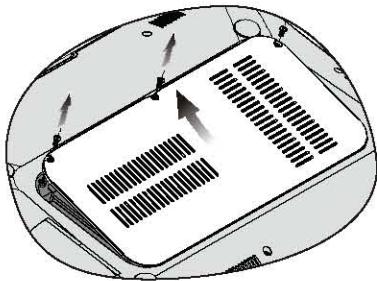
■ Repair or replacing HDD should take it out, please do as following:

✎ Note: When replacing the HDD, don't decline or bumped. Please put the drivers on the material (like cloth) which can cushion bump.

Don't pressing on the external cap of driver. Please don't touch the interface.
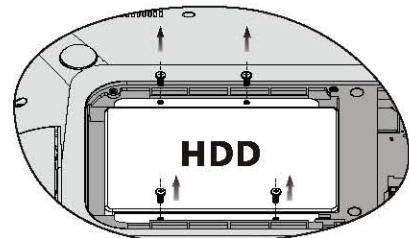
The driver is very frailty. For wrong operation will cause data lossing and damaged the HDD. Should make a backup before unlading the HDD. (save to another storing medium) Don't overturn or unlading the drivers in the laptop when running the system or the drive is on Stand by ,hibernation mode.

- Closing the laptop and pull out the lines of adapter, overturn. the laptop and put on the cleaning desk.

- Using cross screwdriver to screwing down the screw of HDD cover, take out the external cap of the HDD to follow the right chart.
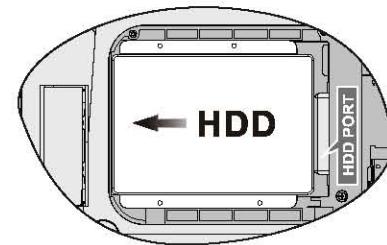
- Using cross screwdriver to screwing down the screw of HDD bracket

✎ Note: Please jump to interfix steps to execution for some model don't use bracket.
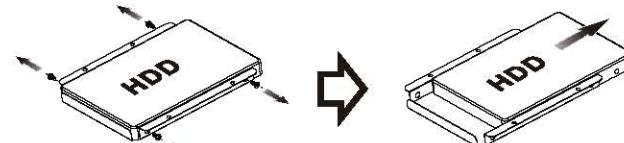
- According to the right arrowhead, moving the bracket or HDD for deviate the interface of the PCB board and take it out.
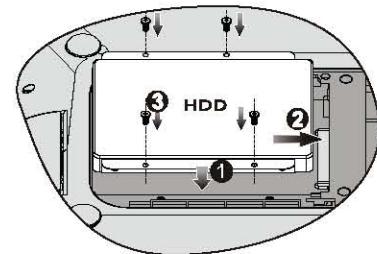
- Screwing down the screw on the bracket and get it more convenient when it sliped out.
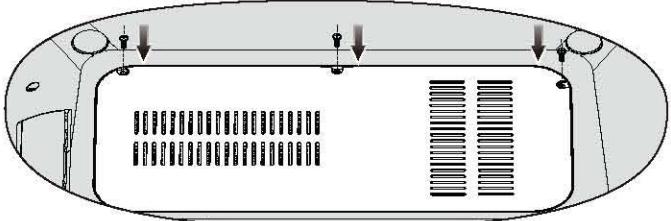
- Put the new HDD into the bracket, lock two sides of the screw.

- Please follow the right chart : ① put the HDD placidly on the slot.(avoid the interface of PCB board). ② impulse the HDD towards the direction of the interface. ③ Tighten the screws and put the bracket on the casing.

- Has a prominent end the outer cover to fix first in the cabinet and covers, locks the outer cover screw.Turns over the replacement once more the computer

Replacing RAM

■ The effect way to make the program running fast is to add the memory capacity.
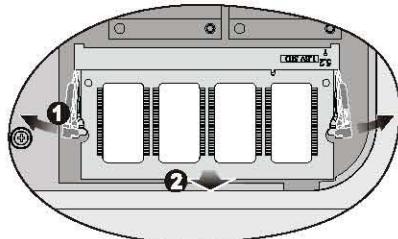
✎ Note: Before replacing the memory, please touch the metal and putting the grounding device for reduce the static which is easy damaged the memory.

When you remove the RAM, please hold the edage of the SO-DIMM to avoid the touch of the golden finger.

For upgrade the memory capacity, please check 《Quick user manual 》for some items.
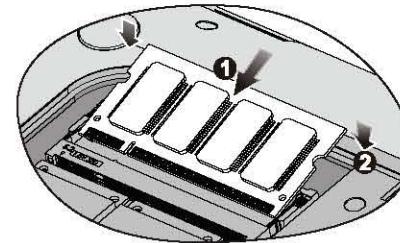
- Closing the computer and pull off the adapters and put it on the cleaning table.

- Using the cross screwdriver to screwing down the screw, take out the cap (Please reference the way to take out).

- Take forth away of the memory,when the memory hopped like the arrowhead showed,please pull out it and keep the EMS.

- Putting the RAM model into the slot, just like the chart 20° obliquity. Pressing the two ends of the RAM in order to let the card hook locked.

- Coving the external cap and tightness the screw (reference the install way of HDD cap).
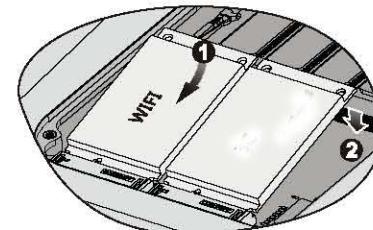
Wireless module

■ Generally the network model will built in the new machine, if no network model your machine but have slots, please confirm the specification and the space of the slots, then buy the network which is compatibled.(Such as WIFI, buletooth and so on).Suggest to buy the same model from FHX.

- Closing the computer and pull off the adapters and put it on the cleaning table.
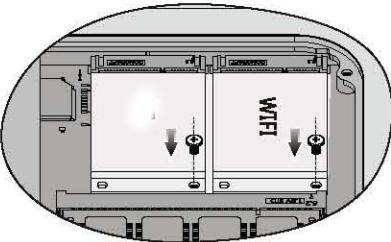
Using the cross screwdriver to screwing down the screw of the cap from the network model and take out the cap (Please reference the way to take out).

- Putting the Wireless model into the slot, just like the chart 20° obliquity and put it down on an even keel to justifying.

- Please have a nut of holes and locked the screw.If there are screws, nuts, install Wireless modules before you screwed the screws, pending the module inserted into the slot after locked the screws.

- Cover the outer cover and locking screw (refer to the hard outer cover installation).Reset your computer again to flip.

Replacing battery

- If you want to change the battery, please consult to the 《Quick user manual》 installation, and in the battery out.

✎ Note: When you change the battery, please use only compatible purchased from FHX batteries. Please do not leave the other computer's battery for your computer

Some of the battery is built into the casing, could not cover simple removal and replacement. If you want to change the battery please contact FHX authorized reseller or return FHX Inc.

BIOS Setting

BIOS is a common program, for computer hardware and operating system interface between.This section describes how to enter the BIOS (basic input output system) set program and the various menu item's base settings, you will learn how to use the built-in security protection setting.

■ **Use setting**

- When you come accross the following scenario may need to perform the BIOS settings.

→ self-checking (POST) hints on error messages, require you to execute the BIOS setting.

→ Need to change the Settings specified hardware, or change the Settings for optimal value system performance

→ You want to start from other equipment or to restore the original guide BIOS setup defaults.

To execute the BIOS setting, if in computer, press the boot self-inspection < Del > keys for BIOS setup screen. You can press the direction key on the keyboard or incomplete < ←→ >, press select menu and press <↓↑> key direction, choose according to < + - > and < Enter > button to Enter setting.

✎ Note: Not the appropriate settings may cause system failures, according to the needs and fully understand its meaning changes made to set, such as system failures, recovery-related default settings.
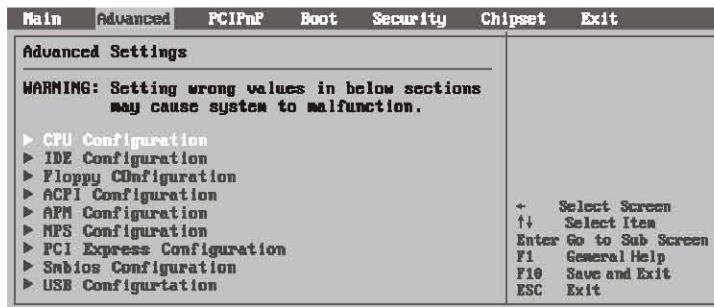
Different BIOS version of the setting may have distinction. (v02.67 © Copyright 1985-2009 AMI)

■ 「Main」 setting

- System Time : Set the current system time
- System Date : Set the current system date or weeks

■ 「Advanced」 setting

```
Main    Advanced    PCIPnP    Boot    Security    Chipset    Exit

Advanced Settings                                    │
                                                     │  ←     Select Screen
WARNING: Setting wrong values in below sections      │  ↑↓    Select Item
         may cause system to malfunction.            │  Enter Go to Sub Screen
                                                     │  F1    General Help
▶ CPU Configuration                                  │  F10   Save and Exit
▶ IDE Configuration                                  │  ESC   Exit
▶ Floppy COnfiguration                               │
▶ ACPI Configuration                                 │
▶ APM Configuration                                  │
▶ MPS Configuration                                  │
▶ PCI Express Configuration                          │
▶ Smbios Configuration                               │
▶ USB Configurtation                                 │
```

- CPU Configuration : CPU configuration information and setting
- IDE Configuration
- Floppy Configuration
- ACPI Configuration : Advanced Configuration and Power Management Interface
- APM Configuration : Advanced Power Management
- MPS Configuration : Multi-thread
- PCI Express Configuration :
- Smbios Configuration :
- USB Configurtation : System Management BIOS

■ 「Boot」 setting

```
Main    Advanced    PCIPnP    Boot    Security    Chipset    Exit

Boot Settings                                        │
                                                     │  ←     Select Screen
▶ Boot Settings Configuration                        │  ↑↓    Select Item
                                                     │  Enter Go to Sub Screen
▶ Boot Device Priority                               │  F1    General Help
▶ Hard Disk Drives                                   │  F10   Save and Exit
▶ Removable Drives                                   │  ESC   Exit
```

- Boot Settings Configuration
- Boot Device Priority
- Hard Disk Drives
- Removable Drives

■ 「PCIPnP」 setting

```
Main    Advanced    PCIPnP    Boot    Security    Chipset    Exit

Advanced PCI/PnP Settings                │  Clear NVRAM during
                                         │  System Boot.
WARNING: Setting wrong values in below sections
         may cause system to malfunction.

Clear NVRAM              [No]
Plug & Play O/S          [No]
PCI Latency Timer        [No]
Allocate IRQ to PCI VGA  [No]
Palette Snooping         [No]        │  ←     Select Screen
PCI IDE BusMaster        [No]        │  ↑↓    Select Item
OffBoard PCI/ISA IDE Card [No]       │  ←     Change Option
                                     │  F1    General Help
IRQ3              [Available]        │  F10   Save and Exit
IRQ4              [Available]        │  ESC   Exit
IRQ5              [Available]
IRQ7              [Available]
IRQ9              [Available]
```

- Clear NVRAM : Clear Non-Volatile Random Access Memory
- Plug & Play O/S : Plug & Play Operating system
- PCI Latency Timer : [Yes] or [No]
- Allocate IRQ to PCI VGA : [Yes] or [No]
- Palette Snooping : [Yes] or [No]
- PCI IDE BusMaster : [Yes] or [No]
- OffBoard PCI/ISA IDE Card : [Yes] or [No]
- Ir03 : Distribution system interruption Address 03

■ 「Chipset」 setting

```
Main    Advanced    PCIPnP    Boot    Security    Chipset    Exit

Advanced Chipset Settings                            │
                                                     │        Select Screen
WARNING: Setting wrong values in below sections      │        Select Item
         may cause system to malfunction.            │  Enter Go to Sub Screen
                                                     │  F1    General Help
▶ North Bridge Configuration                         │  F10   Save and Exit
▶ South Bridge Configuration                         │  ESC   Exit
```
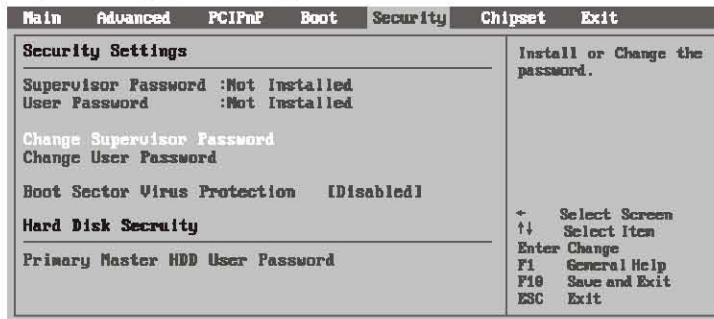
- North Bridge Configuration
- South Bridge Configuration

■ 「Security」 setting

```
Main    Advanced    PCIPnP    Boot   Security   Chipset    Exit

Security Settings                            Install or Change the
                                             password.
Supervisor Password :Not Installed
User Password        :Not Installed

Change Supervisor Password
Change User Password

Boot Sector Virus Protection    [Disabled]
                                             ←    Select Screen
Hard Disk Security                           ↑↓   Select Item
                                             Enter Change
Primary Master HDD User Password             F1    General Help
                                             F10   Save and Exit
                                             ESC   Exit
```
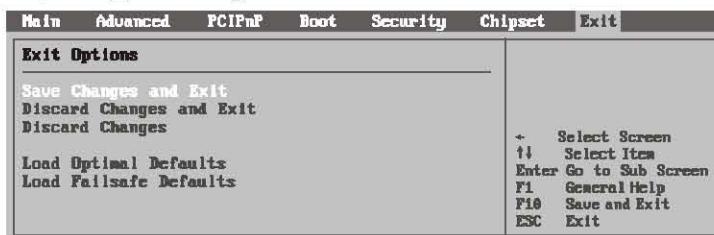
✎ Note: If you want to set BIOS-related secure password, write down your password and the recommendations and manuals, etc placed, if you forget your password or not found, will give you use a computer brings great inconvenience.Please carefully!

- Change Supervisor Password
- Change User Password
- Boot Sector Virus Protection : [Disabled] or [Enabled]
- Primary Master HDD User Password

■ 「Exit」 setting

```
Main    Advanced    PCIPnP    Boot   Security   Chipset    Exit

Exit Options

Save Changes and Exit
Discard Changes and Exit
Discard Changes
                                             ←    Select Screen
Load Optimal Defaults                        ↑↓   Select Item
Load Failsafe Defaults                       Enter Go to Sub Screen
                                             F1    General Help
                                             F10   Save and Exit
                                             ESC   Exit
```

- Save Changes and Exit
- Discard Changes and Exit
- Discard Changes
- Load Optimal Defaults
- Load Failsafe Defaults

■ Install requirement

- When your computer installed drivers for exceptions, the new operating system installed, or you changed your new hardware, you may need to be installed on the driver.

- Annexing the opportunity to report related hardware drivers, will write to CD, u-disk form gift (whether it is this attachment please refer to the packing list), or it has already set the driver backup to your computer's hard disk.If you need to format your hard disk, partition, or install a new operating system, will be stored on your computer for driver backup in the other storage media, after preparation.

- If your driver backup media is damaged and does not have a backup, you may log FHX website http://www.fhxkj.com, depend on whether you use props to download your required associated driver.

■ Install drive

- Please open the driver installation file, select the appropriate driver installation item, the next step, depending on the instructions to complete all of the operation.

- Some driver installation requires restarting the operating system to function correctly, install the relevant driver please follow the prompts to immediately restart the computer.

- If you replace the hardware and system is not compatible, or attached to the application of the driver did not associate with the hardware, you need from the replacement hardware manufacturer to obtain the associated driver, or download via the Internet

■ Heil available

- If you need help、 service、 technical support or just want to know more information on laptops you can get help by a lot of ways which will be illustrated in the following:

- When your computer is connected with the network please install anti-virus software and firewall and update from time to time to avoid the virus and attraction on the internet. And update the patch for the operating system in time to against system vulnerability. For more information on Windows please log on: http://www.microsoft.com

■ Web service

- Please log on http://www.fhxkj.com to get more information on FHX and its product.。

- Also you can download the drive programm and users' manual or technical support related on the web

- Also you can get more information on FHX and its after sold service on the company web.

■ Calling Customer-service center

- You can call the customer service center to get more help if you can not solve the problem after trying during the warranty period. You can get the following service during the warranty period:

  → Confirm the problem: professional staff will help you to confirm whether it belongs to the hardware problems and determine hoe to solve it.

  → Hardware repairing: if it is confirmed that it is the hardware problem with in the warranty period then the professional staff will offer the related service.

  → Engineering change management: after the selling, some problem shooting method or needs related will be changed, FHX and its distributers will offer you the service.

- The following items are not in the warranty and free services range:

  → Replace or use is not designed to/from the manufacture of part or FHX without warranty of the Ministry of components.

  → Confirmation of the root of the software problem

  → A part of BIOS configuration for installation or updating

  → Changes、 modifications or updating of Device Drivers

  → Network system installation and maintenance

  → Program installation and maintenance

- Please stay near the computer when you are calling for help for settling the problem better, and also please prepare the following information:

  → Machine type and model

  → Problem description

  → Concrete description of the failing message

  → Hardware and software configuration information

✍ Note: Check the warranty card for hotline.

It is strongly recommended that ： do not dismantle the machine or ask some other repairing service agencies to repair or reinstall, unless practice the maintenance or problem shooting operation suggested.

Federal Communication Committee (FCC) declaration

- This device complies with Part 15 of the FCC Rules, Operation should be subject to the following two conditions:

    1. This device should not cause any harmful disturbance.

    2. This device should be able to anti any interference received, including interference which may cause undesired operation.

- According to the 15 part of the FCC rules, this device has been tested and found: it complies with the limits of the class B digital device. These limits are designed to provide reasonable protection against the harmful interference by a residential device. To use or generate this device can radiate radio frequency energy and if it installed or used not in accordance with the instructions, harmful communication interference to the wireless communication will be caused. However, if the communication does be disturbed, it can be settled by turning the device on and off. It is recommended to use the following measures to get rid of the interference:

    → Reorient or relocate the receiving antenna.

    → Increase the gap between device and the receiver.

    → The device and the receiver can not be put in one circuit.

    → Consult the authorized distributor or service representatives.

- Correct protective and grounded cable and connector must be used to comply with the FCC radioactive limitation. You can buy them from authorized distributers. FHX will not take responsibility for the interference caused by not using the recommended cable and connector or changing the device without permission.

    Notes: Changes or modifications not approved by FHX may void the user's authority to operate this device.

FC