Installing camera driver
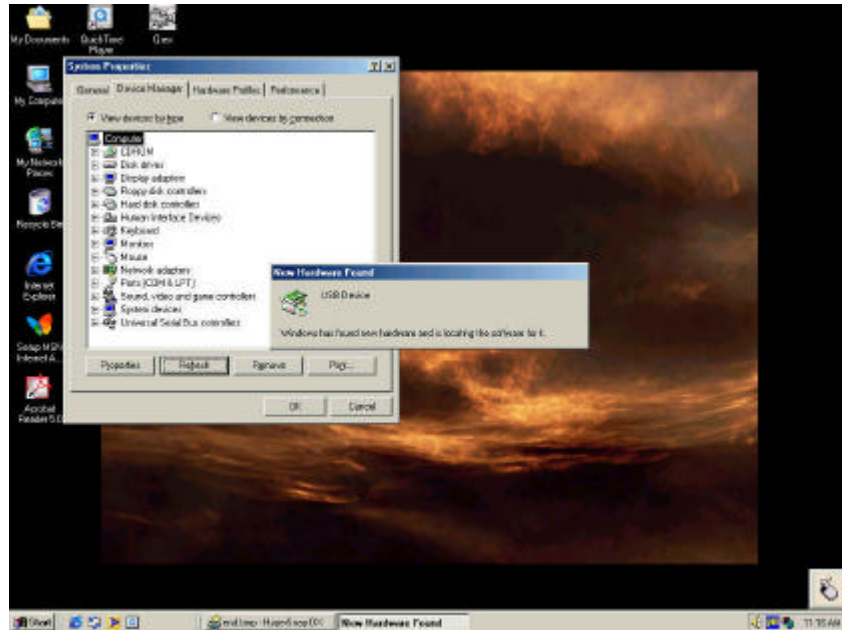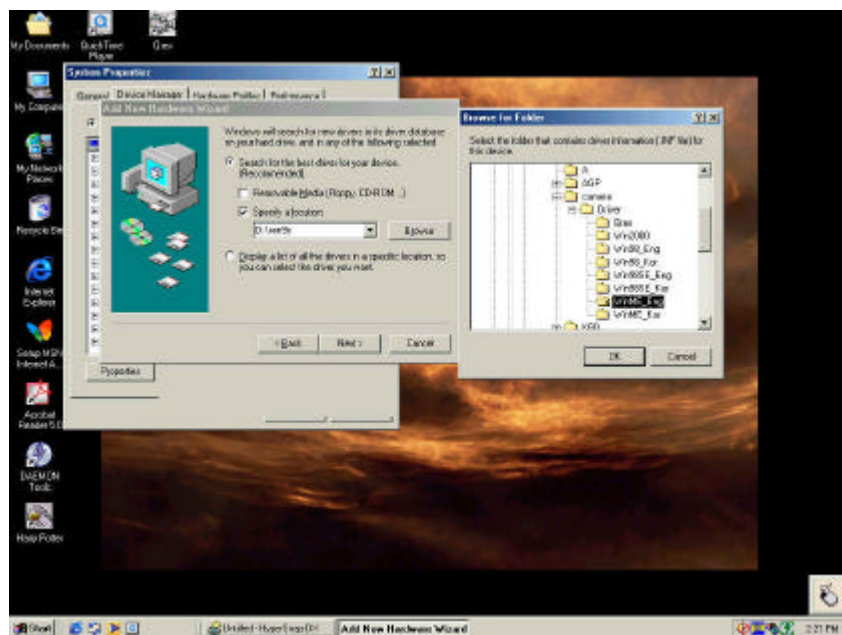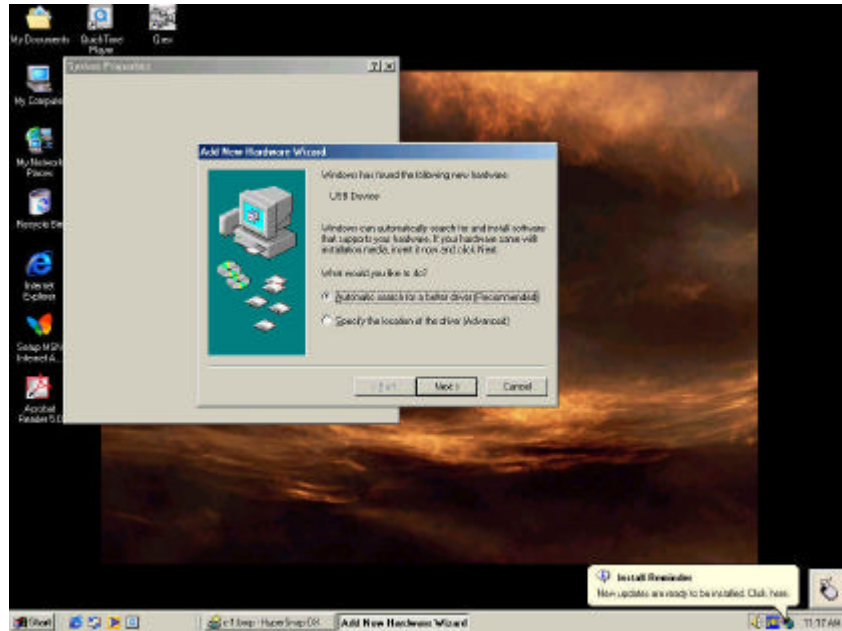
1. 'START'>'SETTINGS'>'CONTROL PANEL'>'SYSTEM'>'DEVICE MANAGER'>
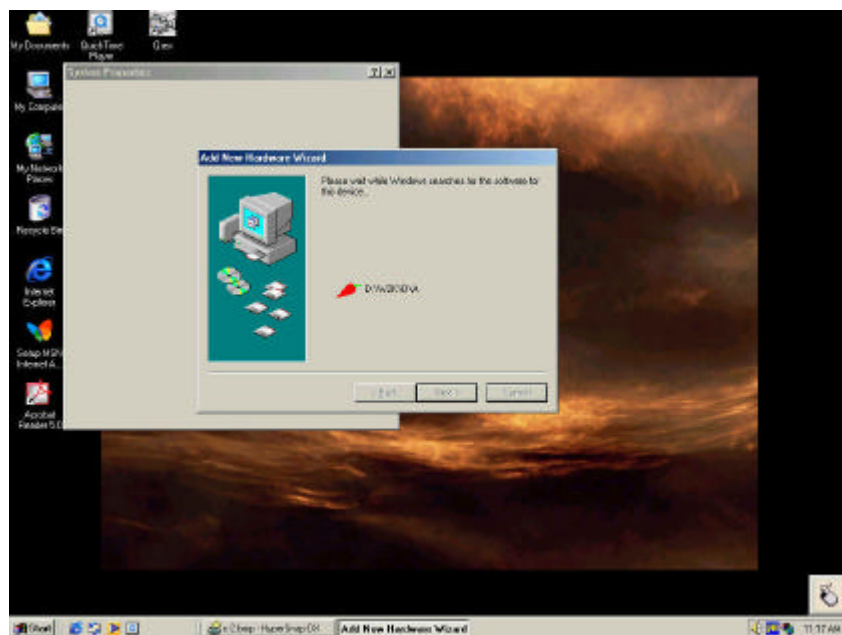   click 'REFRESH'

2. After confirmation the add device, select driver of CD-ROM

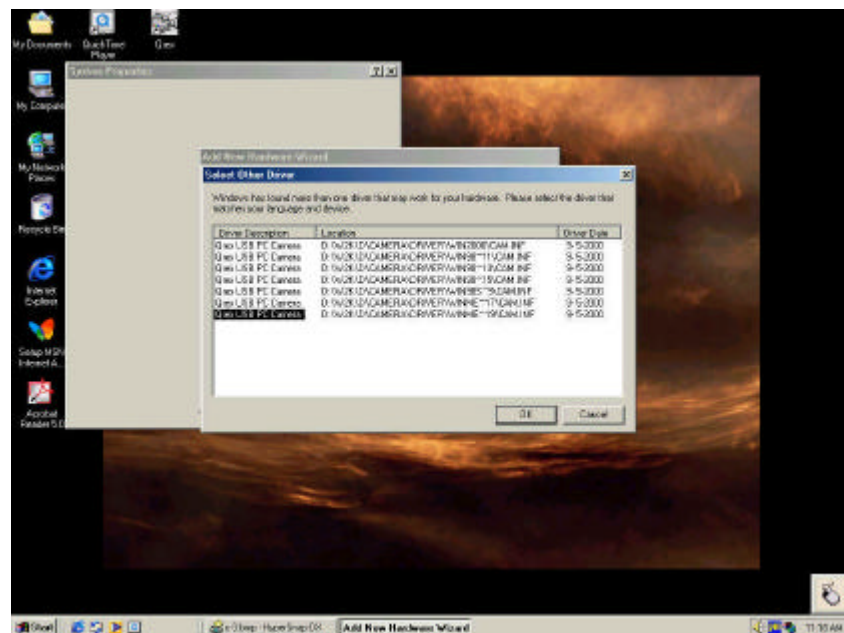   (Caution : Take a driver for each corresponding OS)

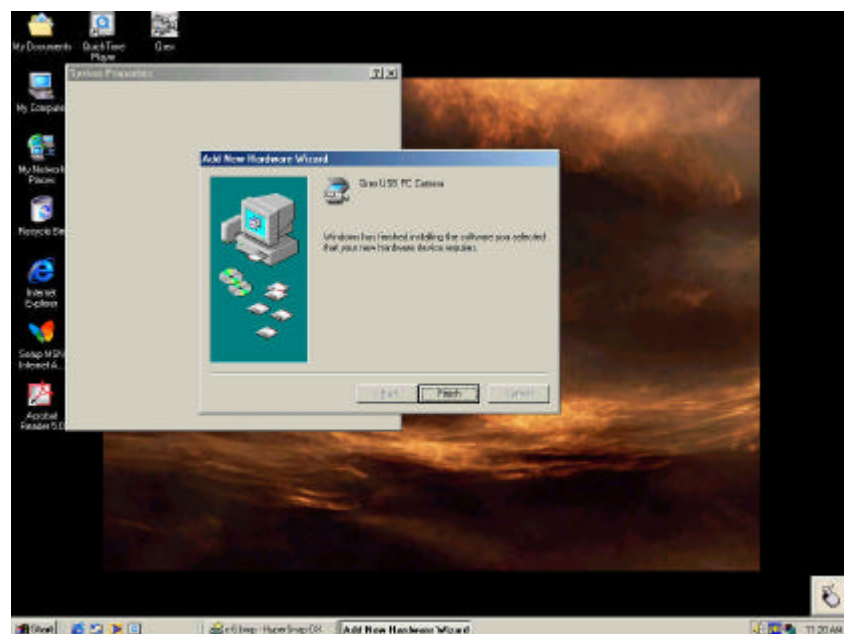3. Click 'NEXT' on add new hardware wizard screen

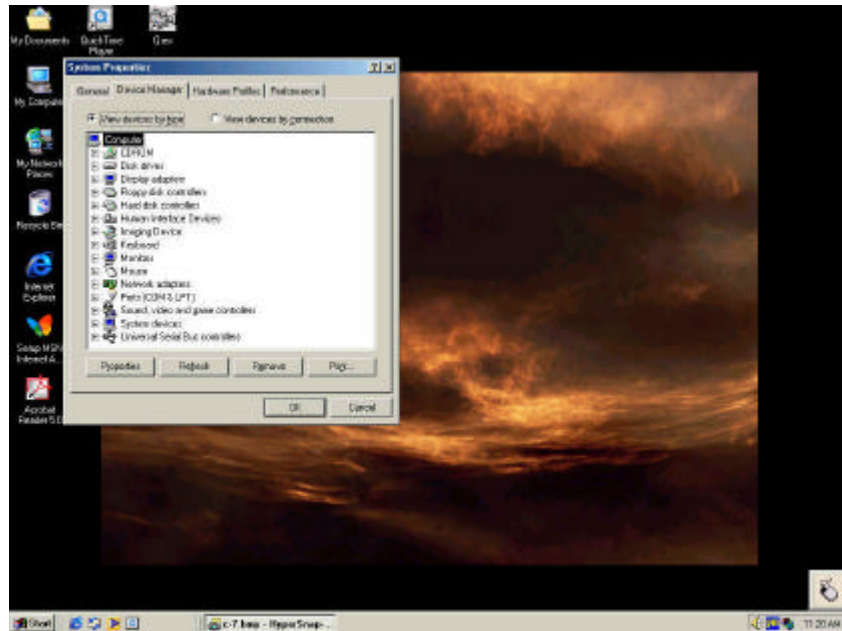4. Click 'NEXT' on add new hardware wizard screen

5. Screen of install

6. Click 'CLOSE'

7. Image device is installed on 'DEVICE MANAGER'

8. Camera OS install selection

9. Installing OS driver

10. screen of install

11. When installing is done, click 'FINISH'

12. Double click 'Qrex' icon on desk top. The Qrex camera window will appear.

Using Camera

1. Function button

You can display image that inputting camera or can take photograph still image and moving image. Also, you can send stillness image and moving image by e-mail with one-click. This convenient program supports moving Image compression function
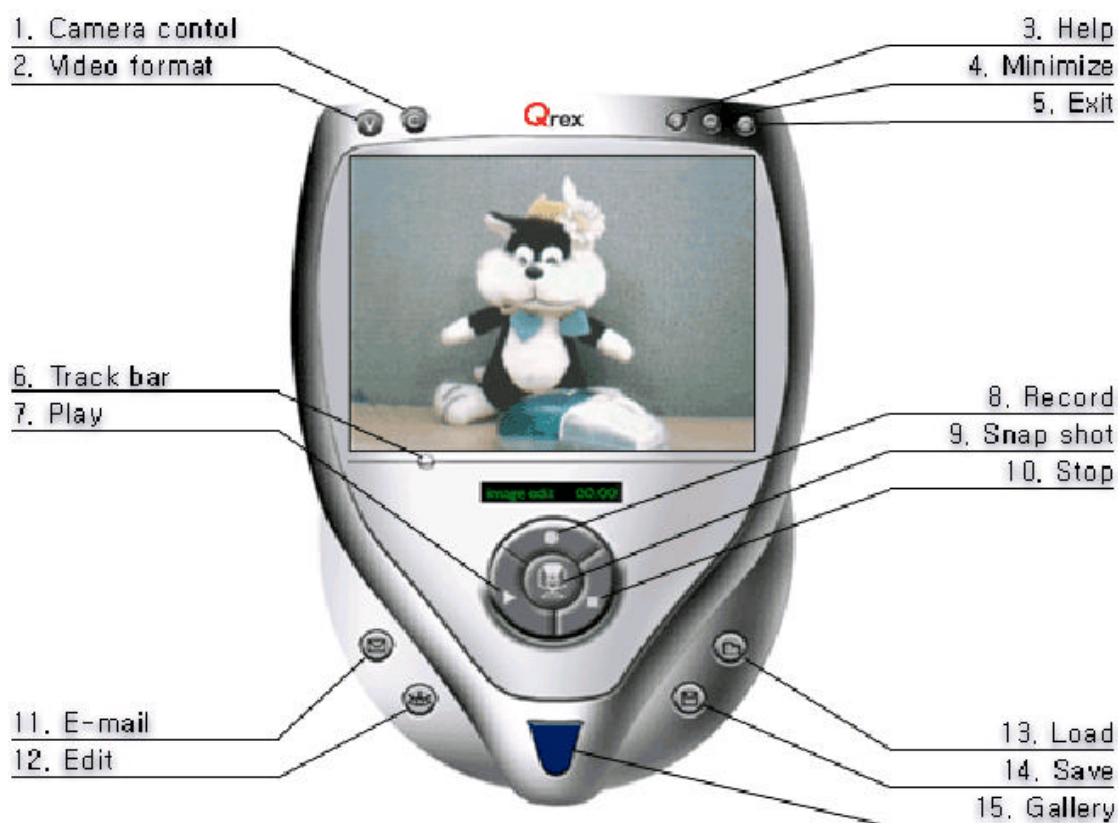
2. Function button explanation

Camera control	Control color / brightness of camera
Video format	Change Image size / format of camera
Help	Help for how to use program and special feature of camera
Minimize	Minimize size of program
Exit	Close program
Track bar	Time setting the moving image that will record. (Max-60sec)
Play	Running the saved moving image
Record	Recording moving image
Snap shot	Changing moving image to still image
Stop	Stop running moving image
E-mail	Sending moving image and still image
Edit	Editing with image editor
Load	Loading saved moving image and still image from disk
Save	Saving moving image and still image to disk
Gallery open	Viewing the recorded still image / moving image

3. Explanation for main function

    Appending image to e-mail

    Stillness image supports JPEG, moving image is compressed by MPEG-4 (AVI)
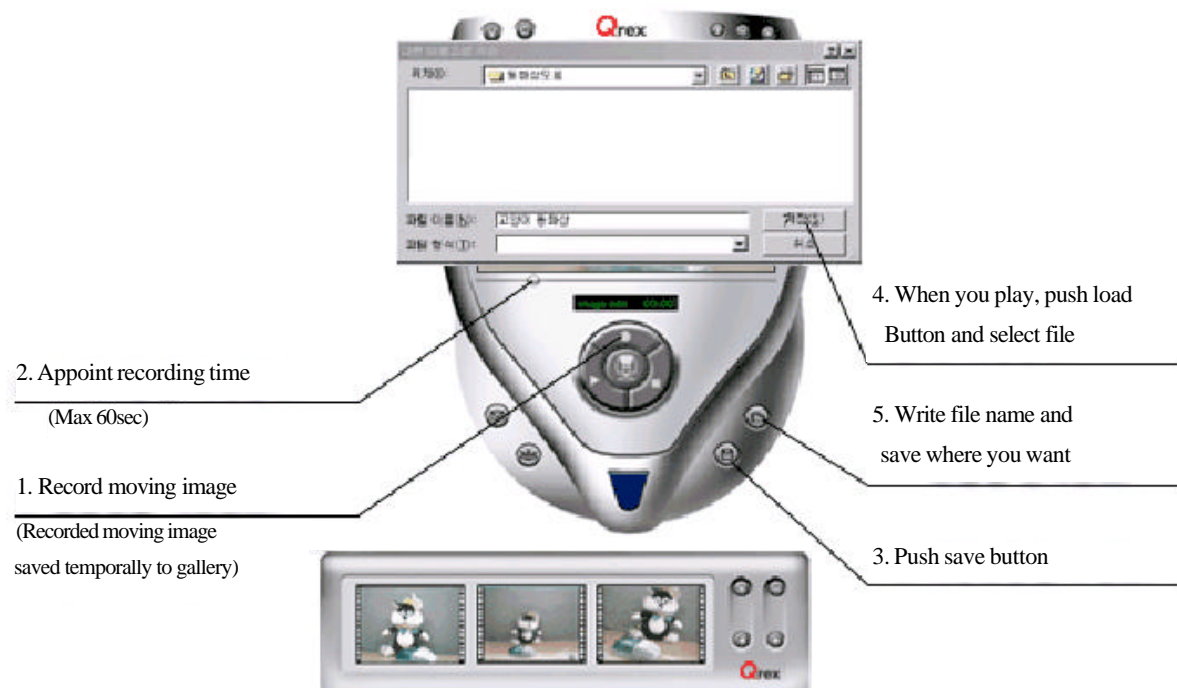
    MPEG-4 is not compression codec of window, so it may not be installed in computer. If it is

    not played, download window media player from Microsoft web site and install.

3. Write message recipients,
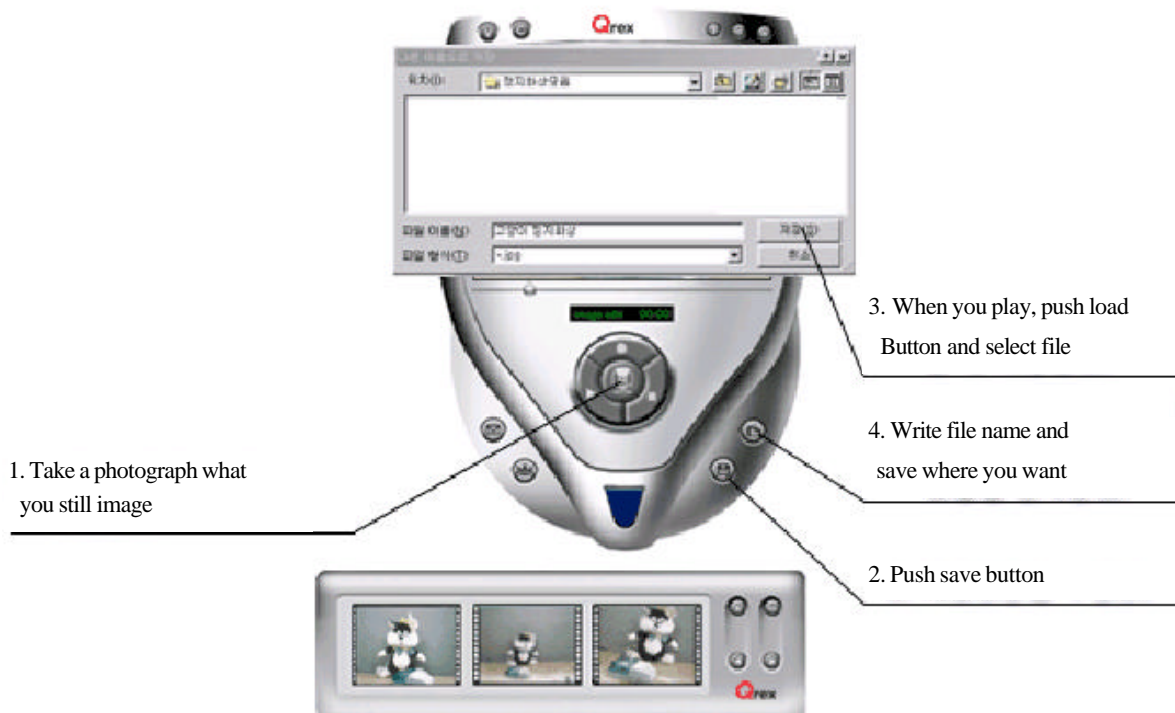
   title, contents, then send e-mail

2. Push e-mail button

1. Take a photograph what

   you want to send

Reference : In case of window98 English version, e-mail attach

function may not play

4.   Moving image saving / playing function
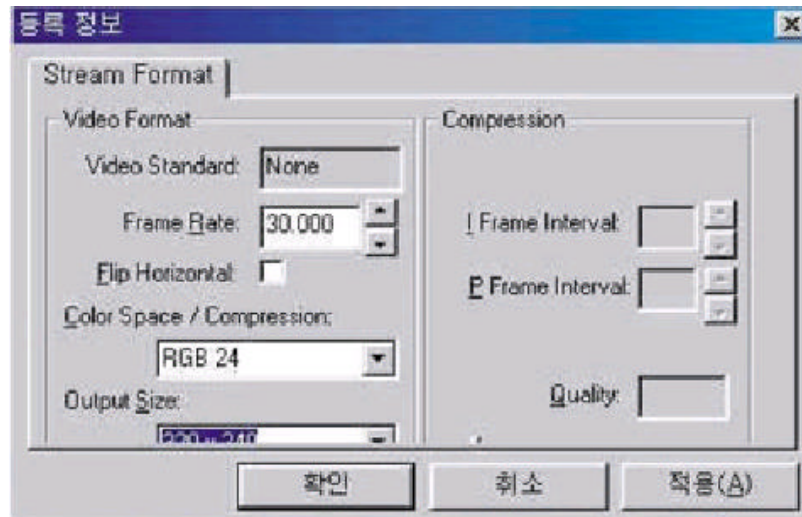

4. When you play, push load
   Button and select file

2. Appoint recording time

   (Max 60sec)

5. Write file name and

   save where you want

1. Record moving image

(Recorded moving image

saved temporally to gallery)

3. Push save button

Reference : Moving image is saved by AVI format-

5. Snap shot function (Save / Load function)

3. When you play, push load
   Button and select file

4. Write file name and
   save where you want

1. Take a photograph what
   you still image

2. Push save button

Reference : Stillness image can be saved by
BMP / JPG

6.   Video format setting

등록 정보

Stream Format

Video Format

Video Standard: None

Frame Rate: 30.000

Flip Horizontal:

Color Space / Compression:

RGB 24

Output Size:

Compression

I Frame Interval:

P Frame Interval:

Quality:

확인   취소   적용(A)

Changing for pixel size / format of viewer

Frame rate

  Control frame / sec which is recognized by camera,

  640 x 480 (Max15fps)   320 x 230 (Max30fps) With more frame per sec interruption will be

  low and high quality image will appear. However high function system is required.

  But it needs high system

Flip horizontal

  Flip over image (switching left to right)

Color S/.C

  Control screen quality of viewer display

  RGB24 is best screen, but speed becomes slow.

Output size

  Control pixel size of viewer. Display size is not changed. If you take a photograph with snap

  shot button, size is pertinent size

7. Camera format setting

Adjust brightness, contrast, color tone, chroma and resolution

Automatic adjustment

  Adjust brightness and exposure automatically by mark 'AUTO'

Color selection

  Converts the display to color or black and white

Flicker

  Removes the flickering of the display

Defaults

  Load default settings

Installing touch driver

1.   Installing touch driver

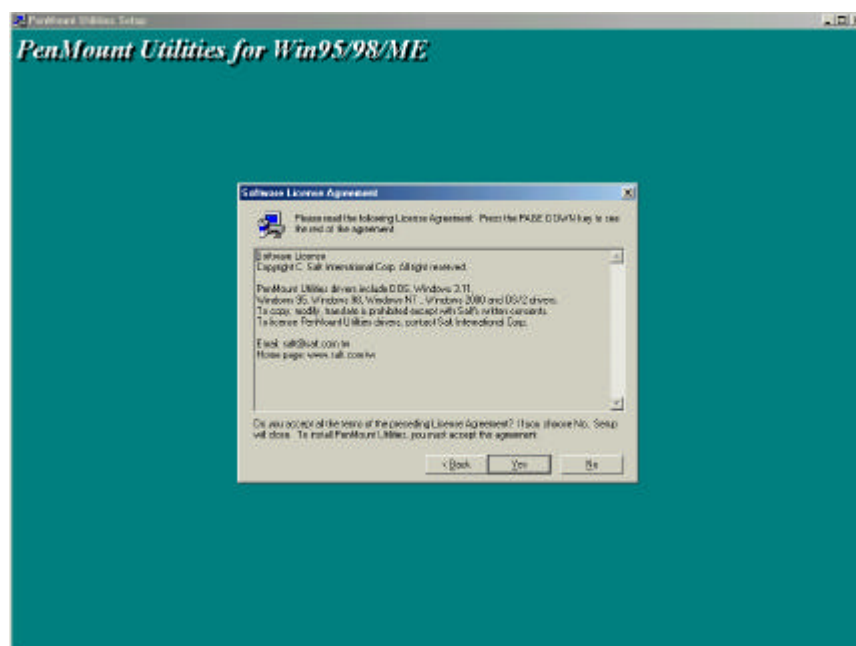   (1) Program installing
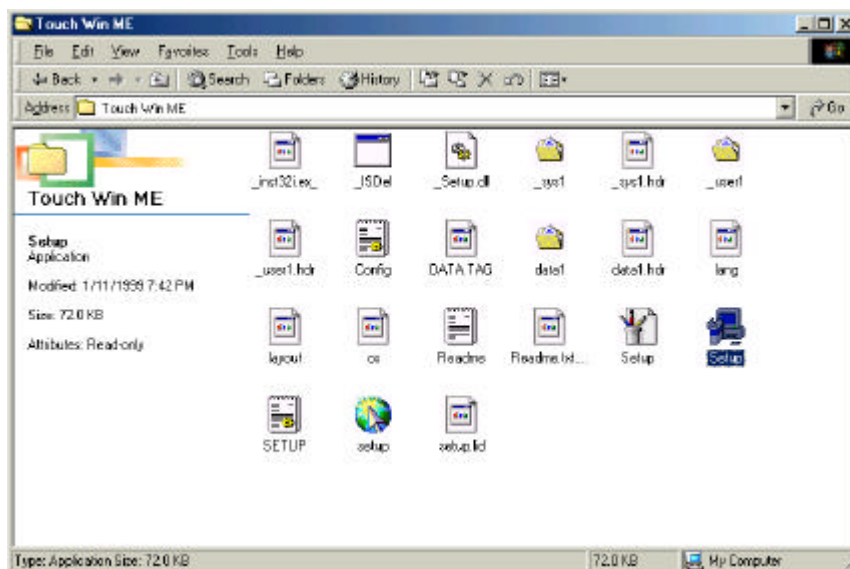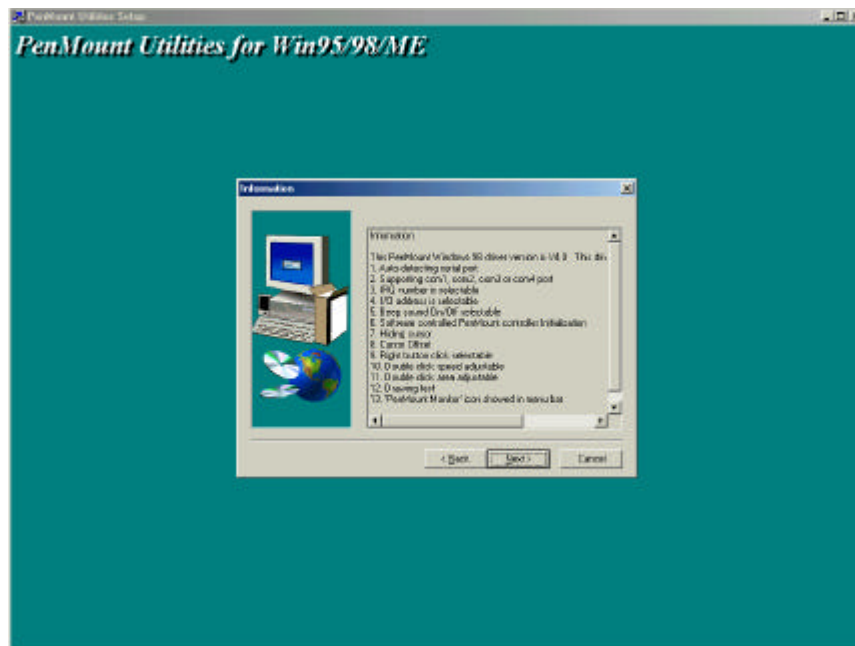

   (2) Screen of setup

(3) Screen of running install

Beginning screen appears when you run setup. Then click 'NEXT'
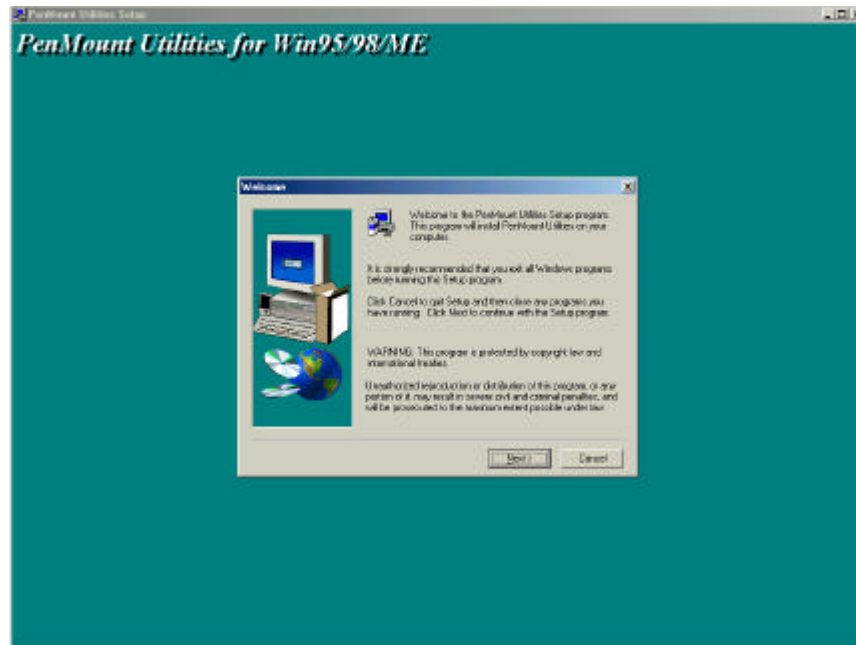
(4) Click 'YES' in software license agreement

(5) Click 'NEXT' on information

(6) Choose destination location screen appears (click 'NEXT')

(7) Select program folder. Click 'NEXT'

(8) Screen of start copying files. Click 'YES'

(9) Click 'FINISH' when screen of setup complete appears
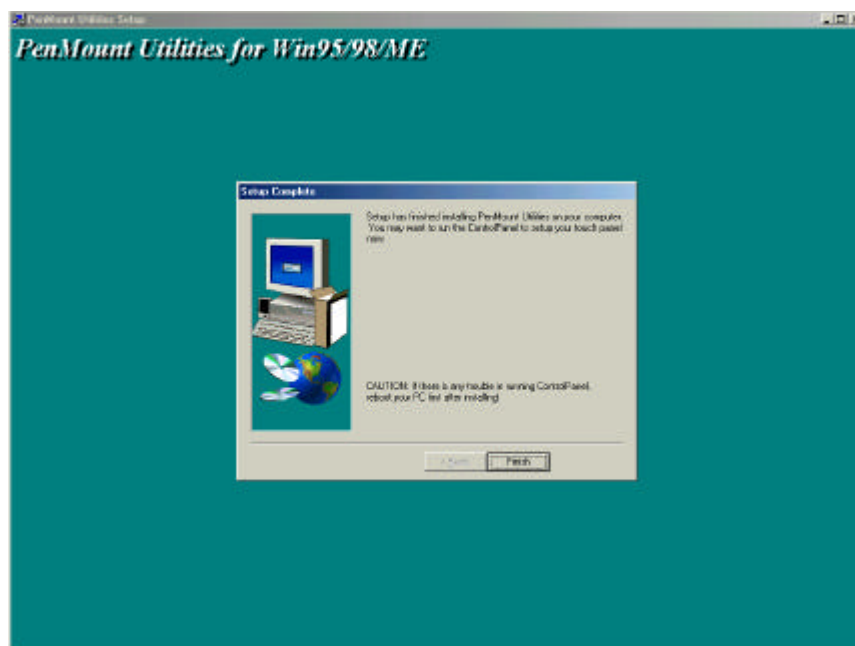
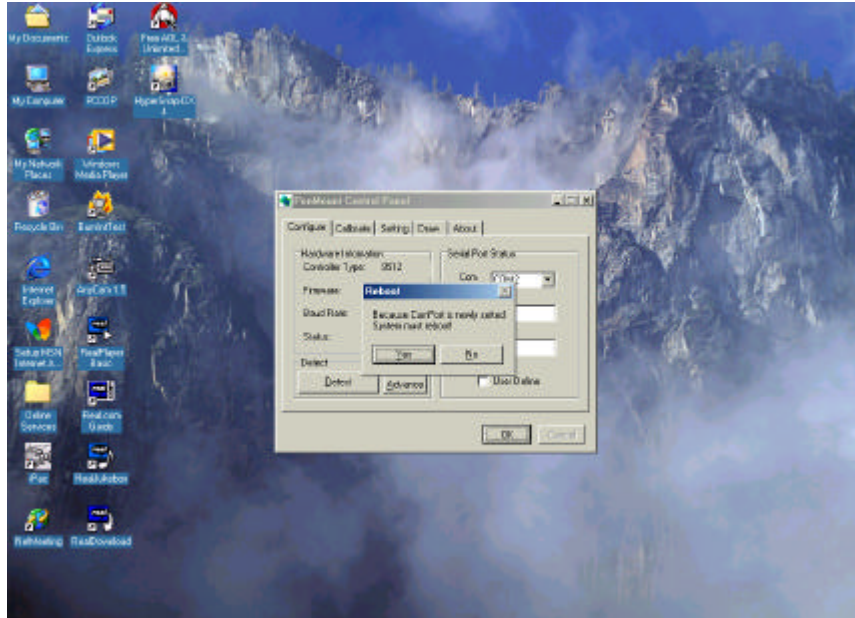(10) Screen of PenMount Control Panel appears after program installation.
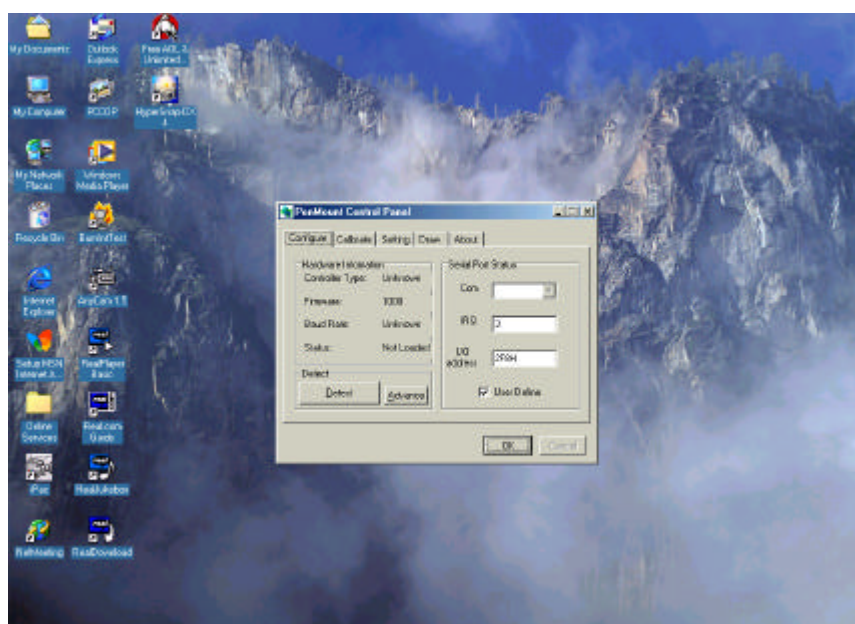
(11) Screen of detecting touch driver
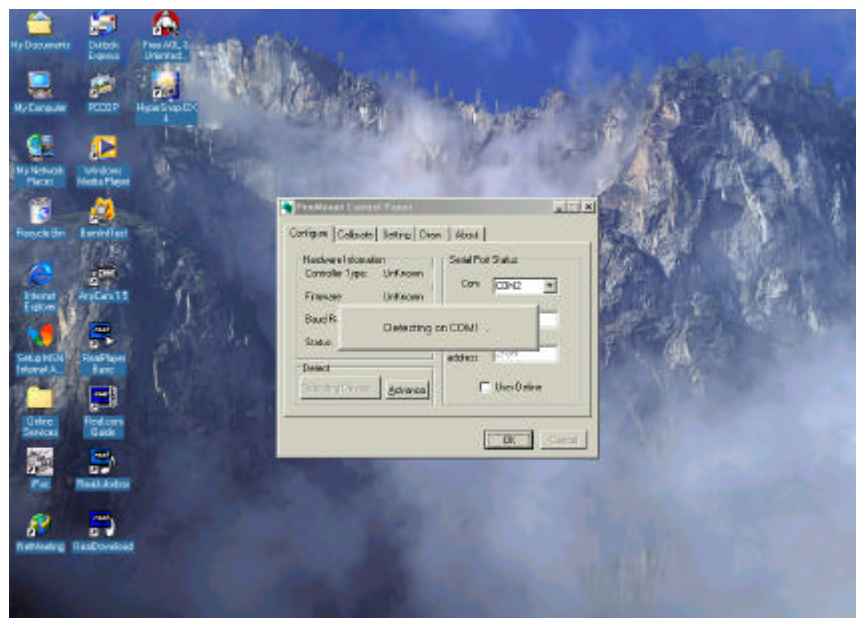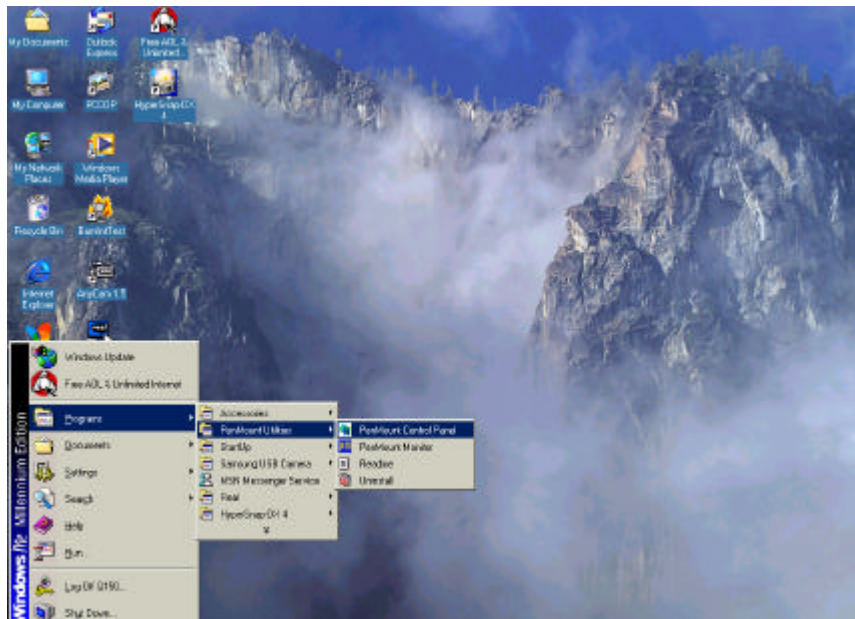

(12) Screen of detected touch driver
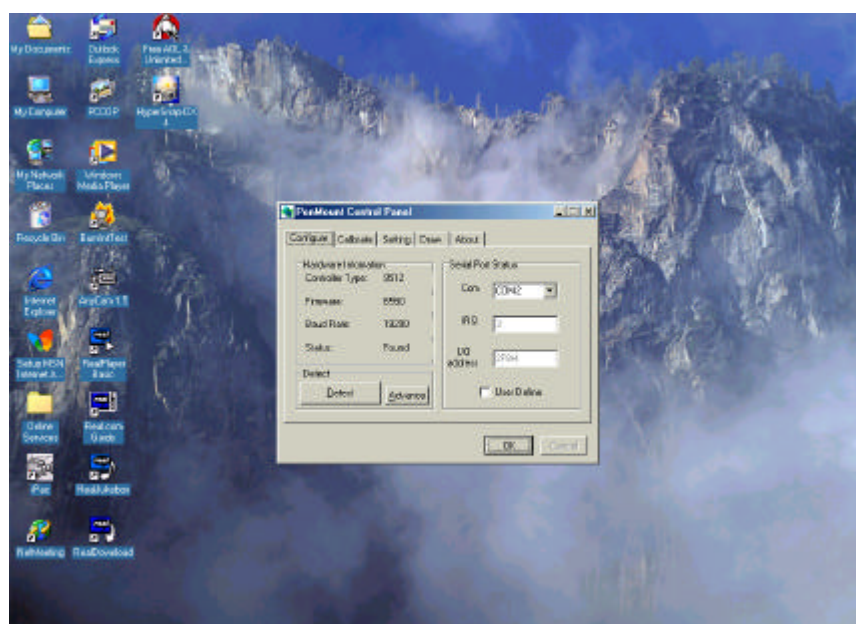
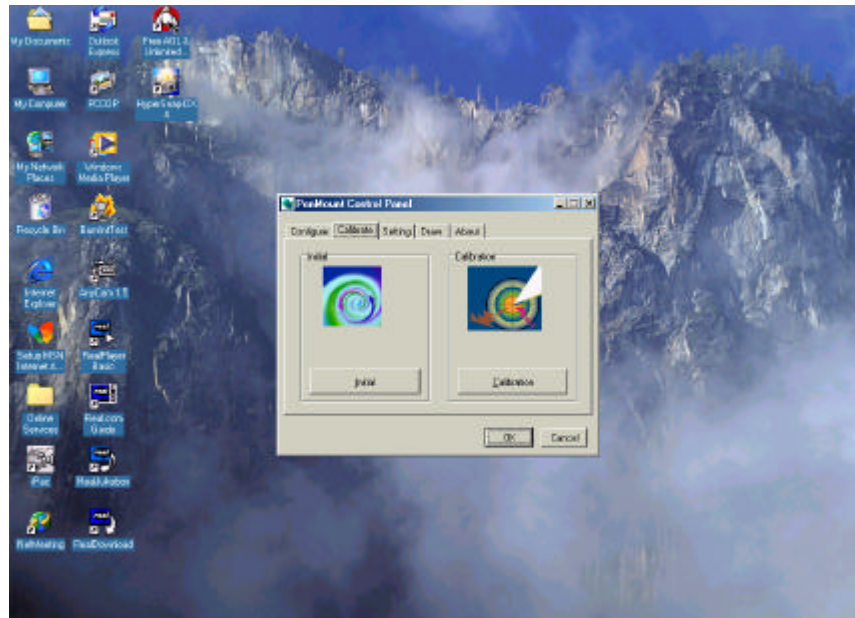(13) After detecting touch driver, click 'YES' to reboot system.

(14) After rebooting, setup touch calibration

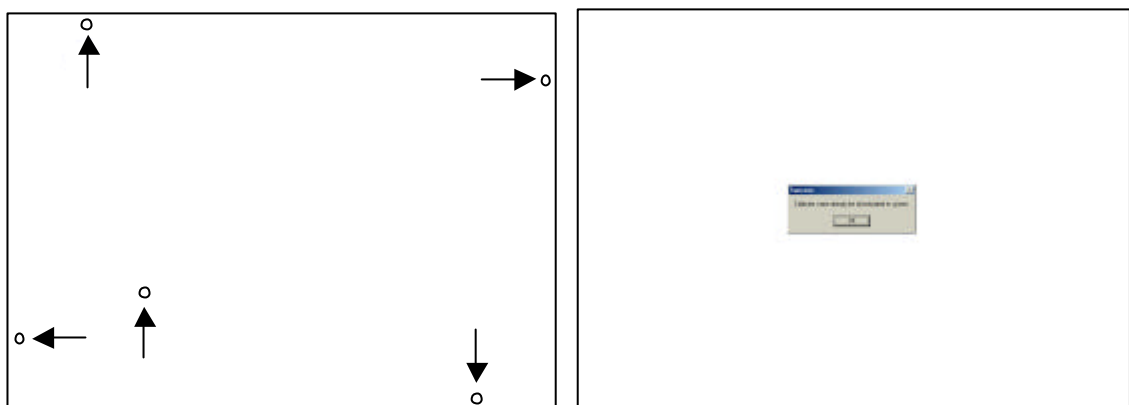'START' > 'PROGRAM' > 'ENMOUNT' > 'PENMOUNT CONTROL'
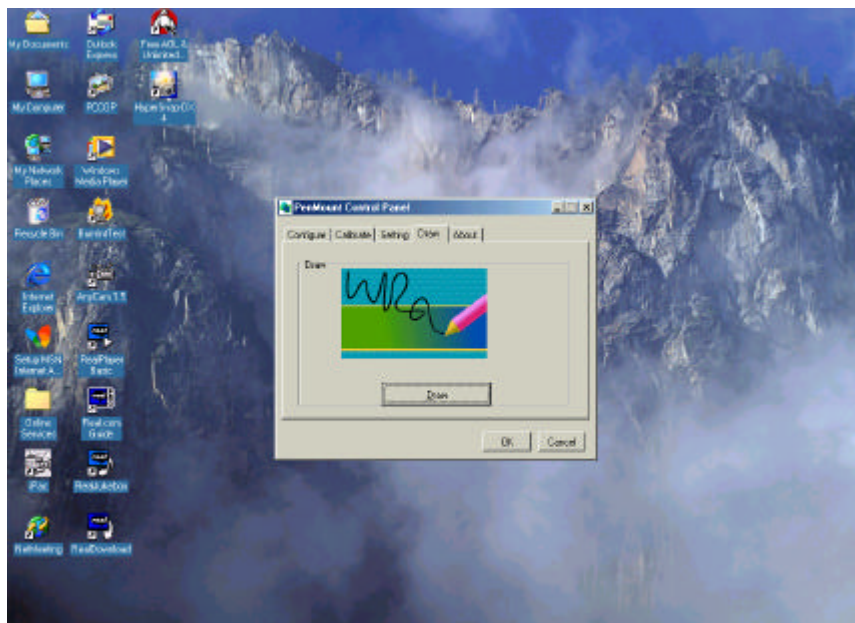
(15) Select calibration

(16) Screen will turn to white, point mark appears five times on screen, push center of mark
with Penmount.

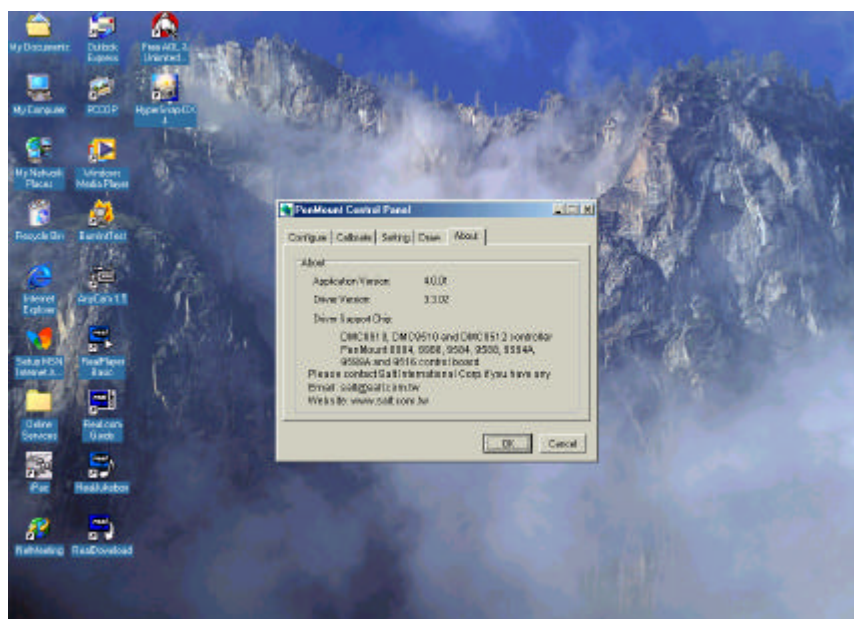After five times selection, click 'OK' when screen of success appears
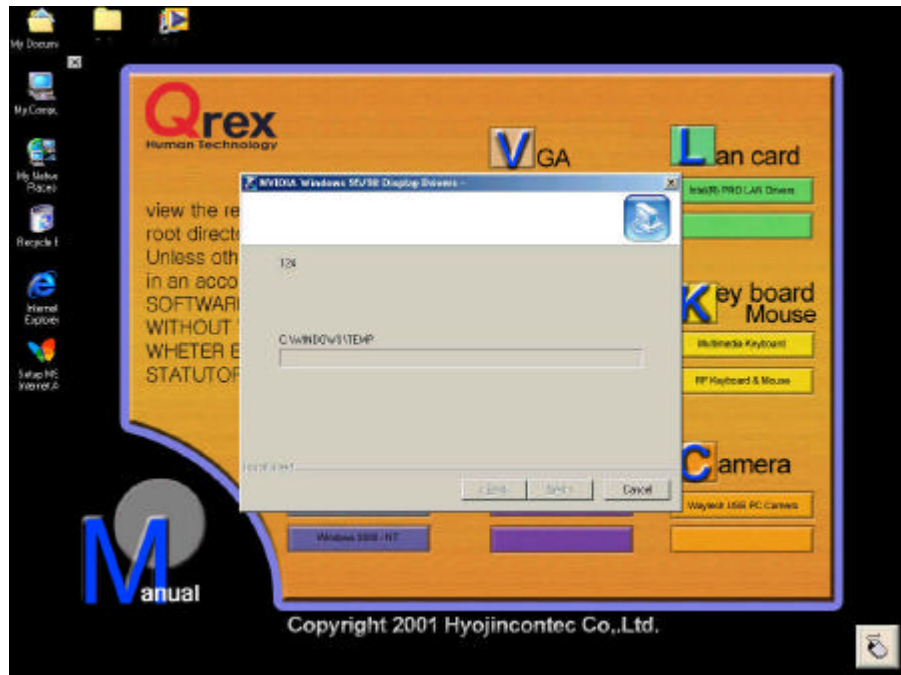
(17) Screen of setting

1) By push right button, window appears like mouse and then choose icon what user's need .

2) By choosing beep sound, beep sound will comes when touch screen works.
    (If you choose long sound, select long beep icon.)

3) Cursor icons are to select the with arrow or not on desk top

4) Double click icons are for adjusting click speed and touching area.

5) Test for touch setting by drawing on screen with pen

(18) Screen of test drawing

(19) Click 'OK' after setting

Installing VGA (NVIDIA) Driver

1. Click Nvidia button in window of driver CD

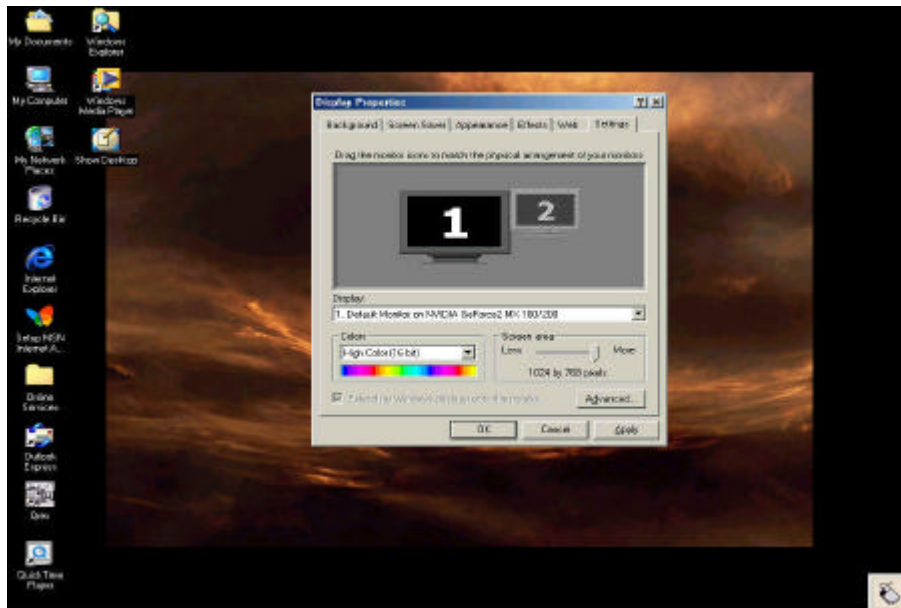

2. Click 'NEXT'

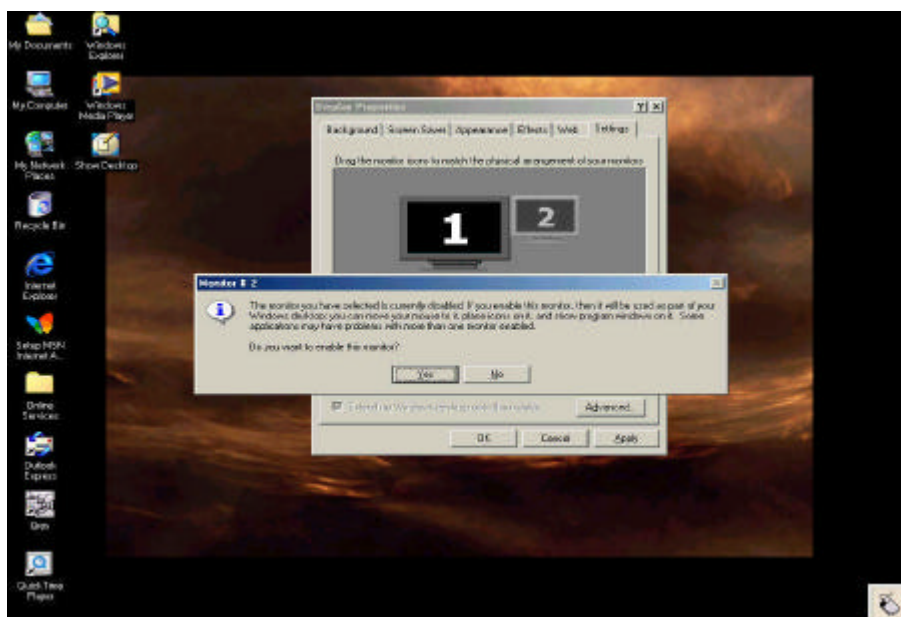3. Screen of file copying

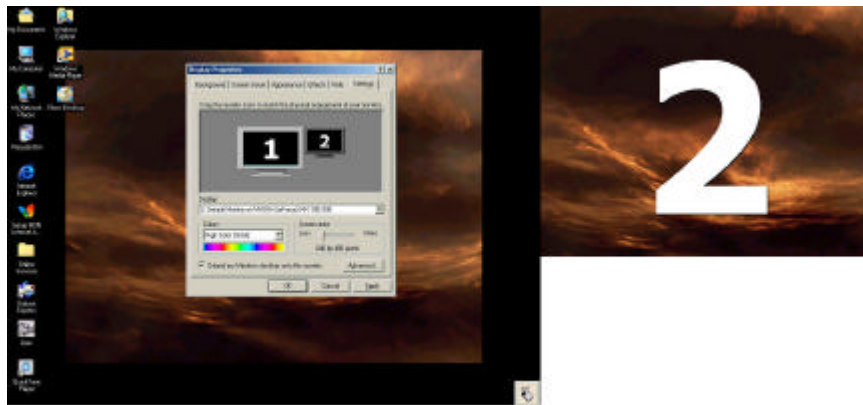4. Click 'Finish' to restart system.
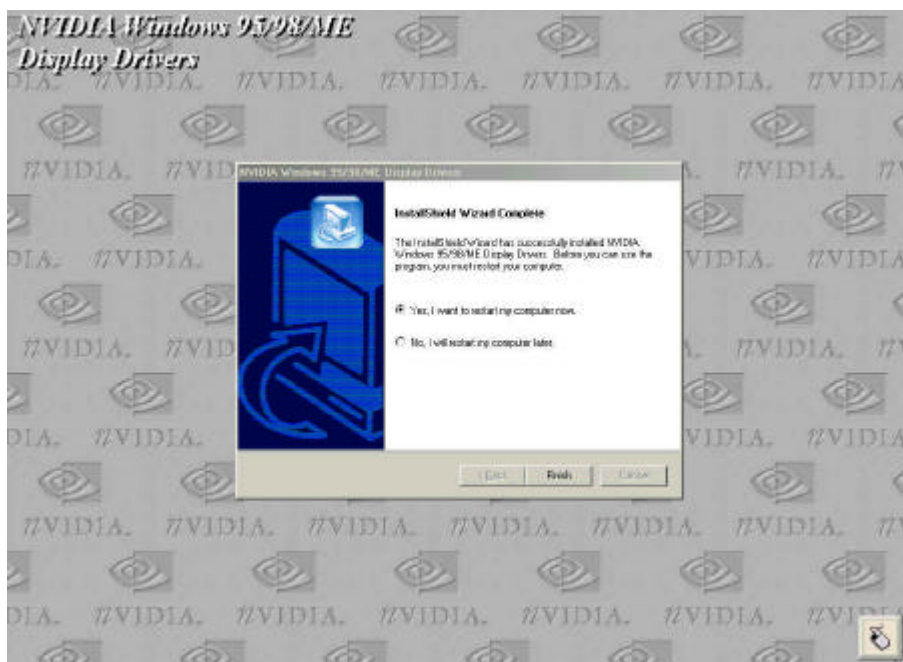
Setting Twin View

1. Go to Display properties (click mouse right button on desktop) has a monitor is connected to Qrex

2. Click #2 in window and message window will appear to ask to enable the connected monitor . Click 'YES'
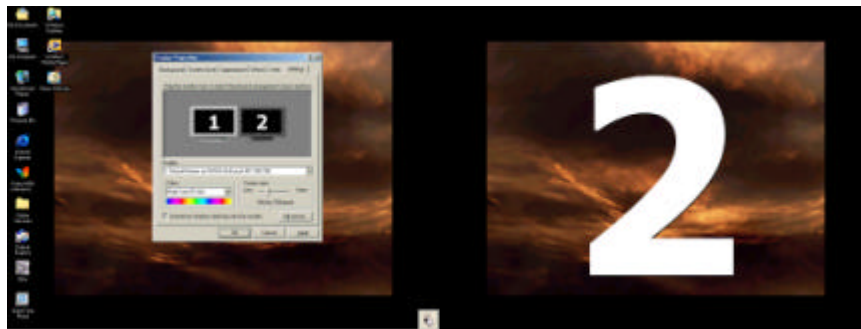
3. The monitor #2 will be confirmed as you hold down mouse left button (2 – 3 seconds) on #2 In window.
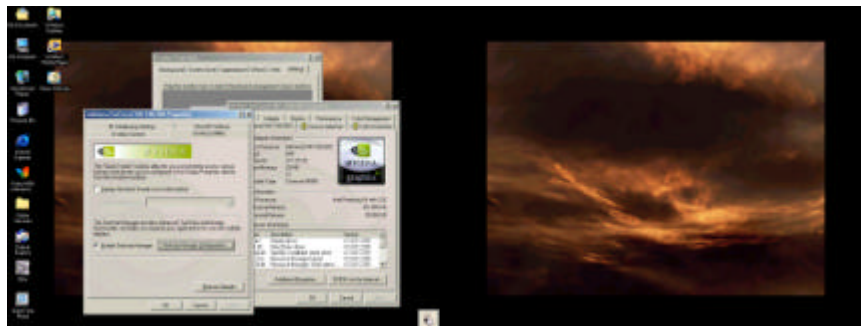

4. The monitor #1 will be confirmed as you hold down mouse left button (2 – 3 seconds) on #1 in window.
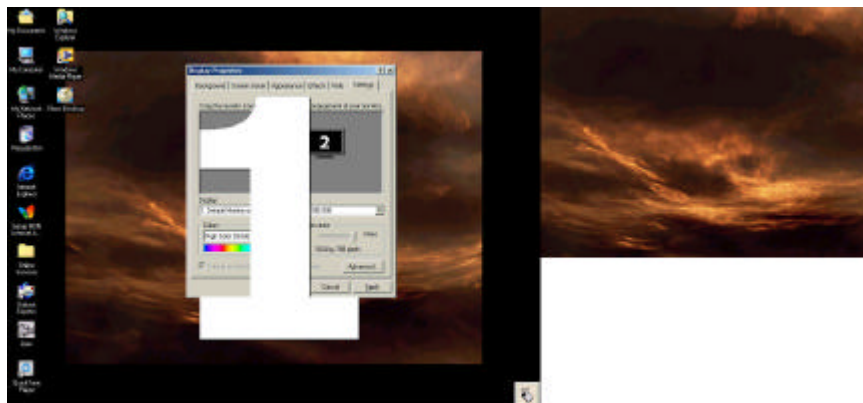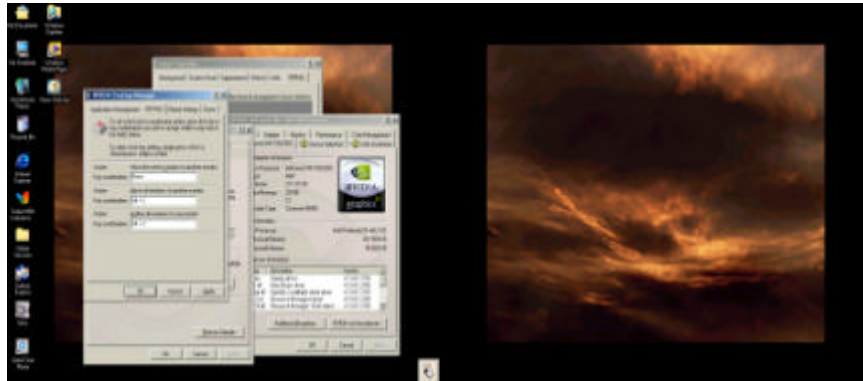
5. Resolution can be set individually #1 and #2. Initially secondary monitor resolution is
    640 x 480 (high color 16 bit)

6. Go to 'Advanced ->'Geforce 2 Mx 100/200'->'Additional properties'

7. To set 'Hot key' for twin view, go to 'Desktop Utilities'. Check 'Enable Desktop manager' and go to 'Desktop Manager Configuration'

8. 'Hot key' is set as below initially. (default setting)

    Alt + 1 : Move the active window to another monitor

    Alt + 2 : Move all windows to another monitor

    Alt + 3 : gather all window to one monitor.

Chapter 7. System Upgrade

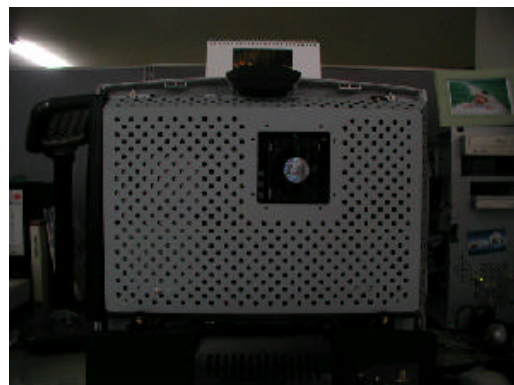## Take a system apart

1. Back side of system

2. Remove four pieces of bolts

3. After removing, take a cover apart from upper side

4. Feature of disjointing of back cover

Changing HDD

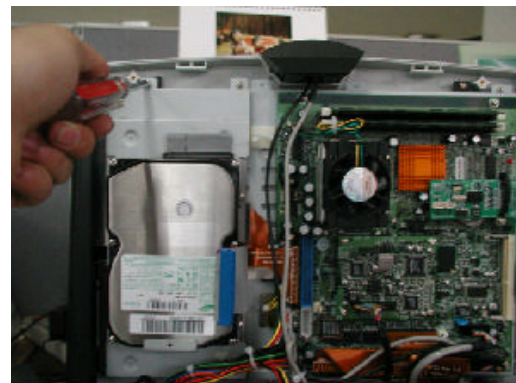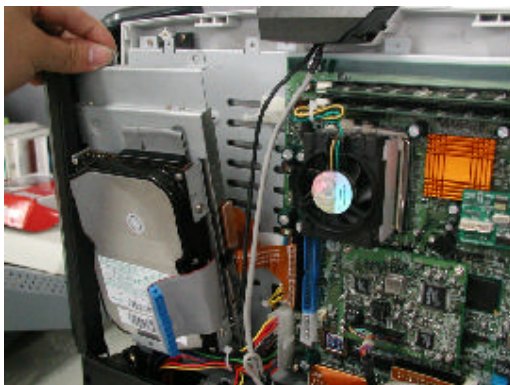1. Formation of the inside

2. Chang HDD

3. Separate HDD cable that connected main board
   and HDD main power

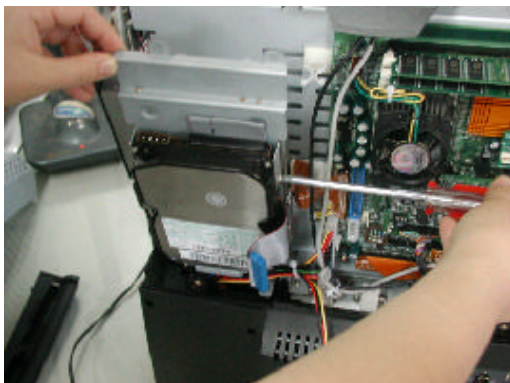4. Remove two pieces of upper bolts from bracket
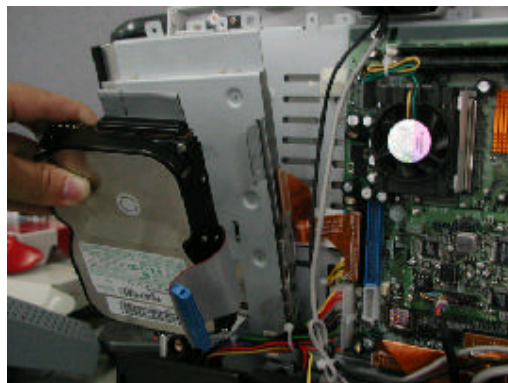
5. Bend up bracket softly

6. Ben bracket softly then separate CD-ROM and
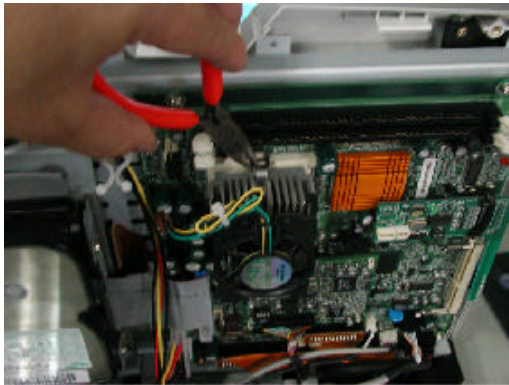
   FDD cover

7. Remove four pieces bolts of the side

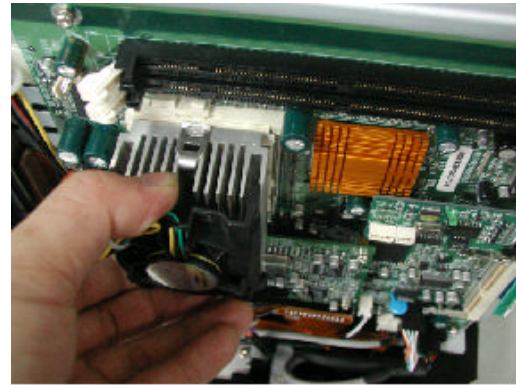8. Change HDD. Assembling is an opposite order

Caution : If you bend it rough, CD-ROM and FDD cable
         may off.

Changing CPU

1. Remove CPU cooler clip from slot with long-
   nose plier.

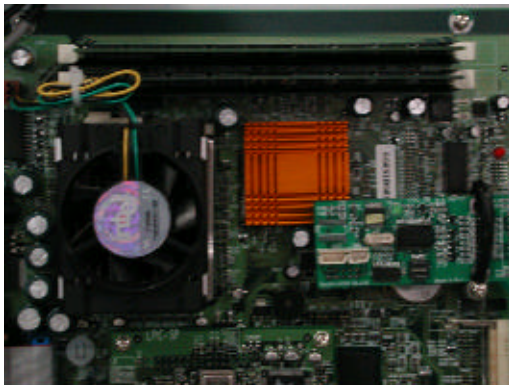2. .Disassemble CPU cooler from CPU

3. Pull back CPU locking rod and remove CPU
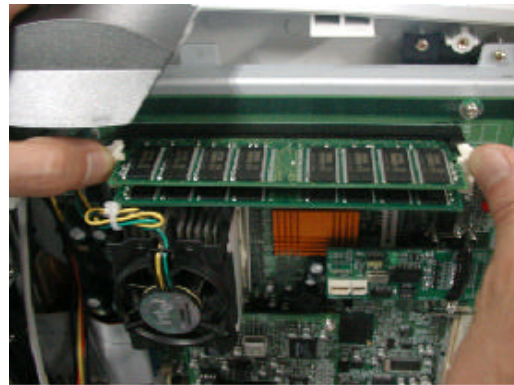   Assembly is counter order of disassembly
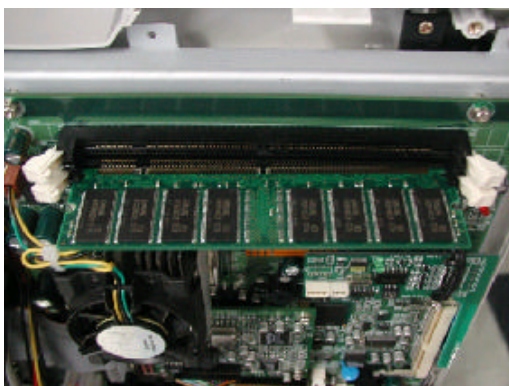
Changing RAM

1. Point

2. Push both hooks of RAM slot with both hands
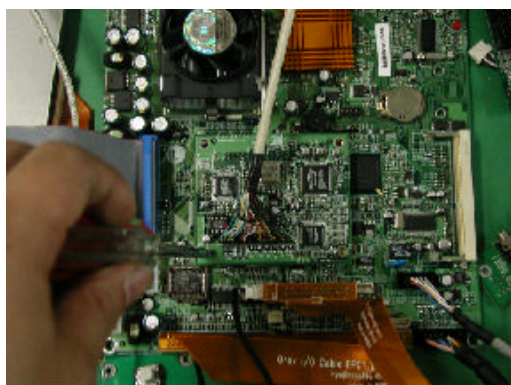   and then take off the RAM

3. When you install RM, check up number of
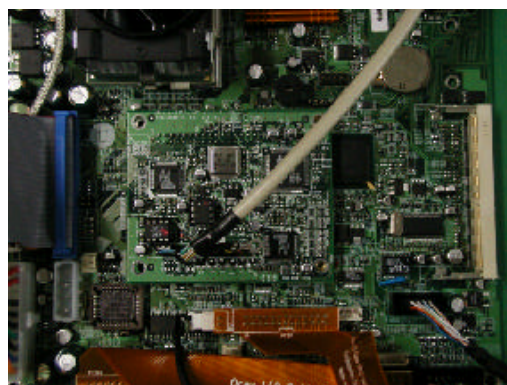   slot / RAM and then push the RAM
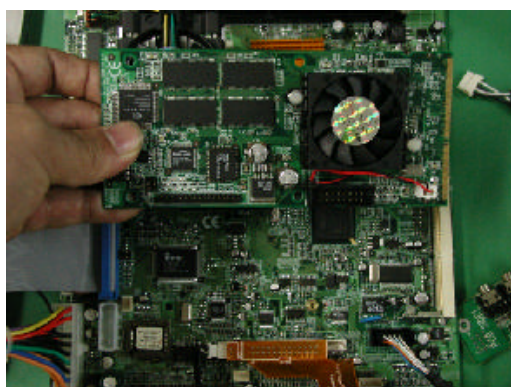
Changing VGA card

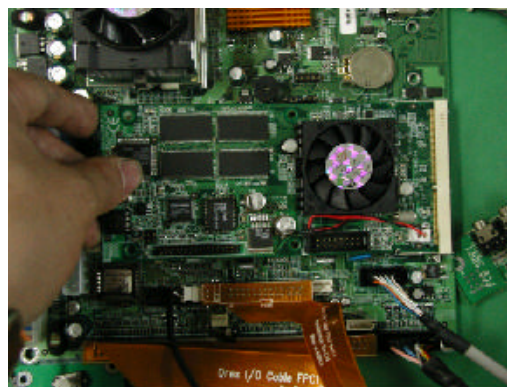1. Remove four bolts of board

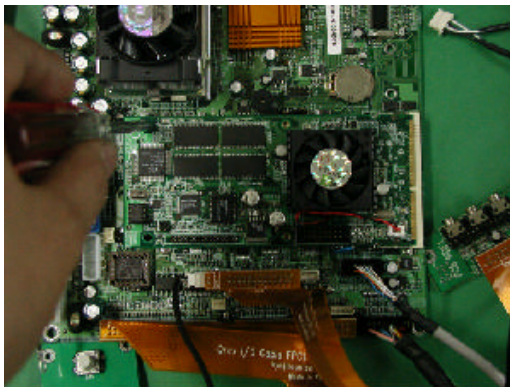2. After removing take off LCD cable and then take up board

3. Insert the card to slot obliquely and then push to downside

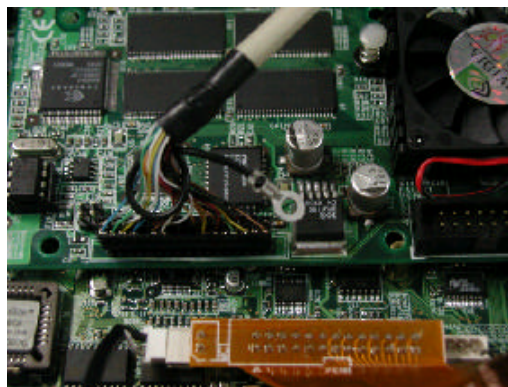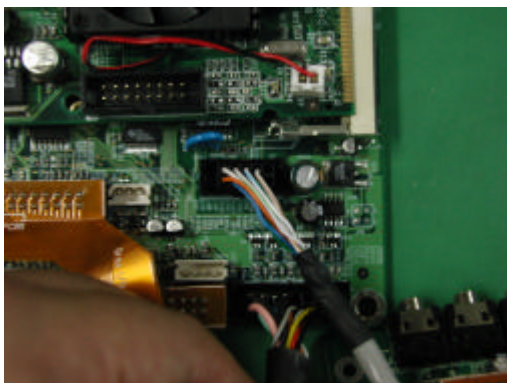4. install VGA card to slot

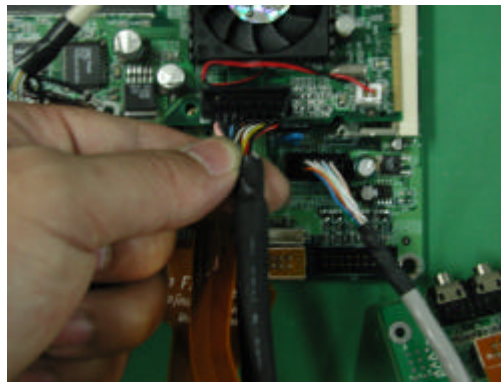5. Tighten four bolts

6. Connect LCD cable

(When you connect cable, pin has to connect to

board 1)

7. Take off CRT VGA cable from board

8. Insert VGA cable CRT connector of VGA card

Chapter 8. BIOS SETTING

What is BIOS?

BIOS means fundamental Input / Output. It is a kind of FIRMWARE that control Input / Output of computer.
FIRMWARE is a program that installed in hardware. This program controls operation of relevant hardware.

BIOS is installed to main board with FLASH ROM chip style. BIOS does important function that recognizes other devices and makes booth up.

The contents of BIOS setting are date and time of system, hard disk, CD-ROM drive, graphic card and the other devices. BIOS controls whole processions till computer booth up.

BIOS setting

BIOS SETUP means CMOS SETUP.

When you turn on computer, VIOS of graphic appears temporally and then BIOS name, version information, KEY for BIOS SETUP appears. At this time, if you push 'DEL' key, beginning screen of BIOS SETUP appears.

In the beginning screen of BIOS SETUP, there are various menus; Standard CMOS SETUP.

If you select these menus, you can setup each part detail.

Standard BIOS Menu

Standard CMOS Features	Frequency/Voltage Control
Advanced BIOS Features	Load Fail-Safe Defaults
Advanced Chipset Features	Load Optimized Defaults
Integrated Peripherals	Set Supervisor Password
Power Management Setup	Set User Password
PnP/PCI Configurations	Save & Exit Setup
PC Health Status	Exit Without Saving
ESC : Quit	✍ ✍ ✍ ✍ : Select Item
F10 : Save & Exit Setup	
Time, Date, Hard Disk Type…	

Standard CMOS Features

This standard setup menu allows users to configure system components such as date, time and hard disk drive, floppy disk drive, display and memory.