

**User's Manual**

**Qrex-X170**

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## 1. Specifications

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Processor	Intel Pentium 4 processor (1.4 / 1.5 / 1.6 / 1.7 / 1.8 / 2.0 / 2.2GHz up to reserved)	
System memory	2 Sockets for DDR up to 1GB	
Display	17" TFT LCD Resolution : 1280 x 1024 Color : 16,777,256 (24bit) Pixel pitch : 0.26mm x 0.26mm Luminance : 230cd / m <sup>2</sup> Tilt : -5 ~ 25 degree Viewing angle : Horizontal 170 degree / Vertical 170 degree	
Graphic	High Performance AGP Graphic card Video RAM : 32MB Microsoft DirectX and OpenGL Optimization and support	
Touch Screen	Analog resistive (option)	
Network Interface	Intel 10/100 base-T Ethernet controller, supporting wake on LAN (WOL)	
Audio	AC'97 3D positional PCI audio controller and AC'97 audio codec	
Speaker	Stereo Speaker & Woofer Speaker	
Bios	Award PnP and Flash BIOS	
Industrial standard	WfM 2.0, PCI 2.2, ACPI 1.0, APM 1.2	
I/O Interface	4 x Universal serial bus (USB) 1 x Parallel port 2 x Serial port 1 x VGA (External) 1 x TV out 1 x TV-antenna(option with Remote control)	1 x RJ-45 (LAN) port 1 x Line-in jack 1 x Line-out jack 1 x Microphone-in jack 1 x Game port 2 x IEEE 1394
Drive	Slim FDD Slim CD-RW (option)	Slim CD-ROM Slim DVD-ROM (option)
Storage	Industry – Standard internal ATA 66/100 HDD (choice of storage capacity)	
Housing	414.6mm(W) x 478mm(H) x 236mm(D)	
Weight	13kg	
Environmental spec	Surrounding Temperature : Storage Temperature :	0 ~ 40 degree -20 ~ 60 degree
Power Supply	200W micro ATX switching power supply	
Power Management	ACPI compliant	
OS Installed	Microsoft Windows 95, 98, ME, 2000, XP (option)	

## **2. Important Safety Instructions**

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The following instructions pertain to the risk of fire, electric shock or bodily injury.

Please read all of these instructions carefully.

Do not use this computer on an unstable cart. The product may fall, causing serious damage to the product

This product should never be placed near or over radiator or heat register

Do not place the product in too high or too low temperature

Do not place the product in humid

Do not hit or drop the product while operating. You may get injury or the product will be damage

Do not use banded or twisted or cracked diskette

Do not use the product near water

Do not spill water, alcohol, Benzol or ant chemical material onto / into product

It causes damage or fire

Do not open back cover to disassemble, repair or modify by yourself

\* Please call near service center to repair. Do not disassemble the product while plugged into outlet. It may cause injury, fire or electric shock

### **3. Information to user : PART 15, PARAGRAPH 15.21 AND 15.105(b)**

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

### **4. FCC Notice**

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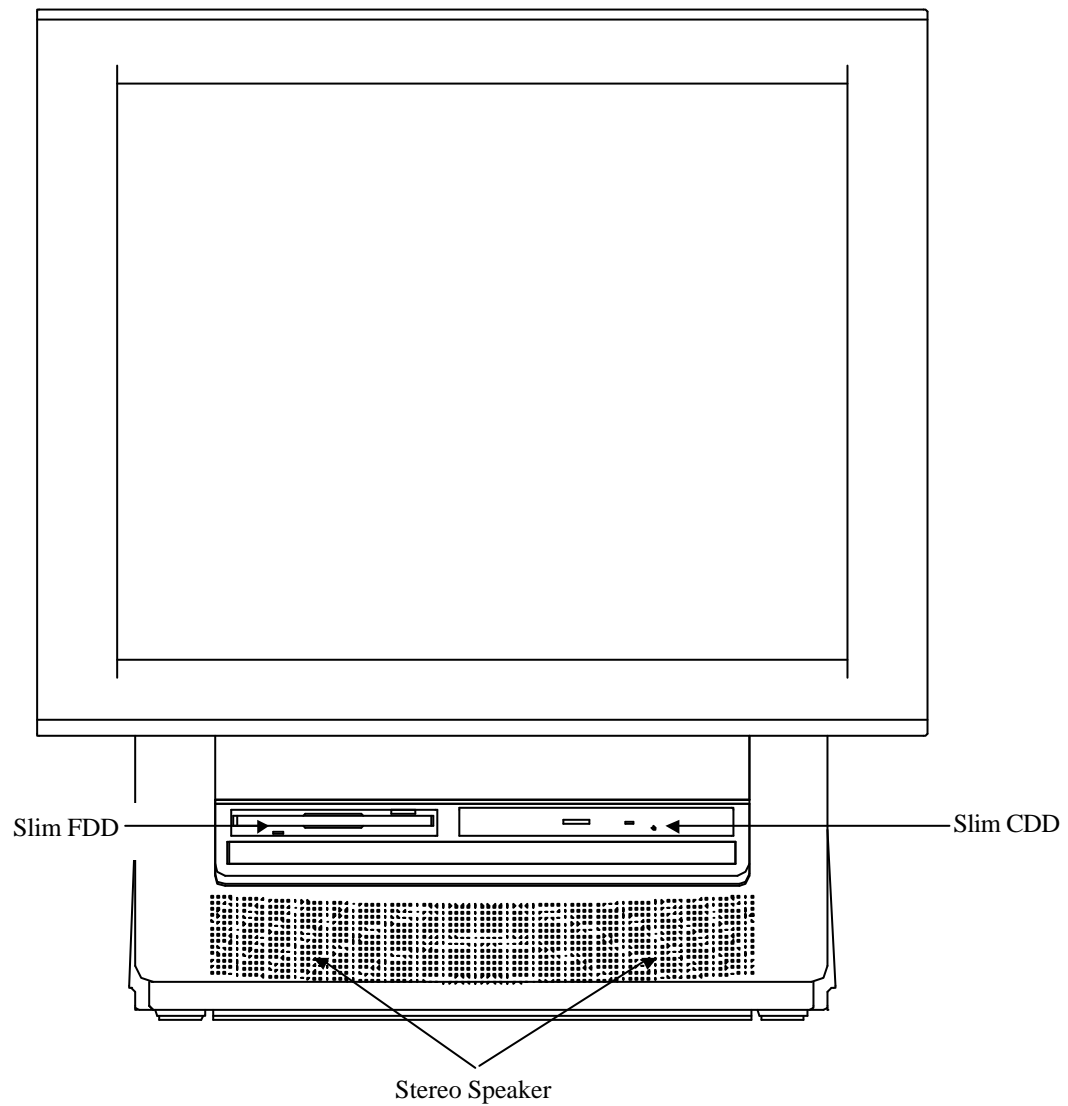
NOTE : This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

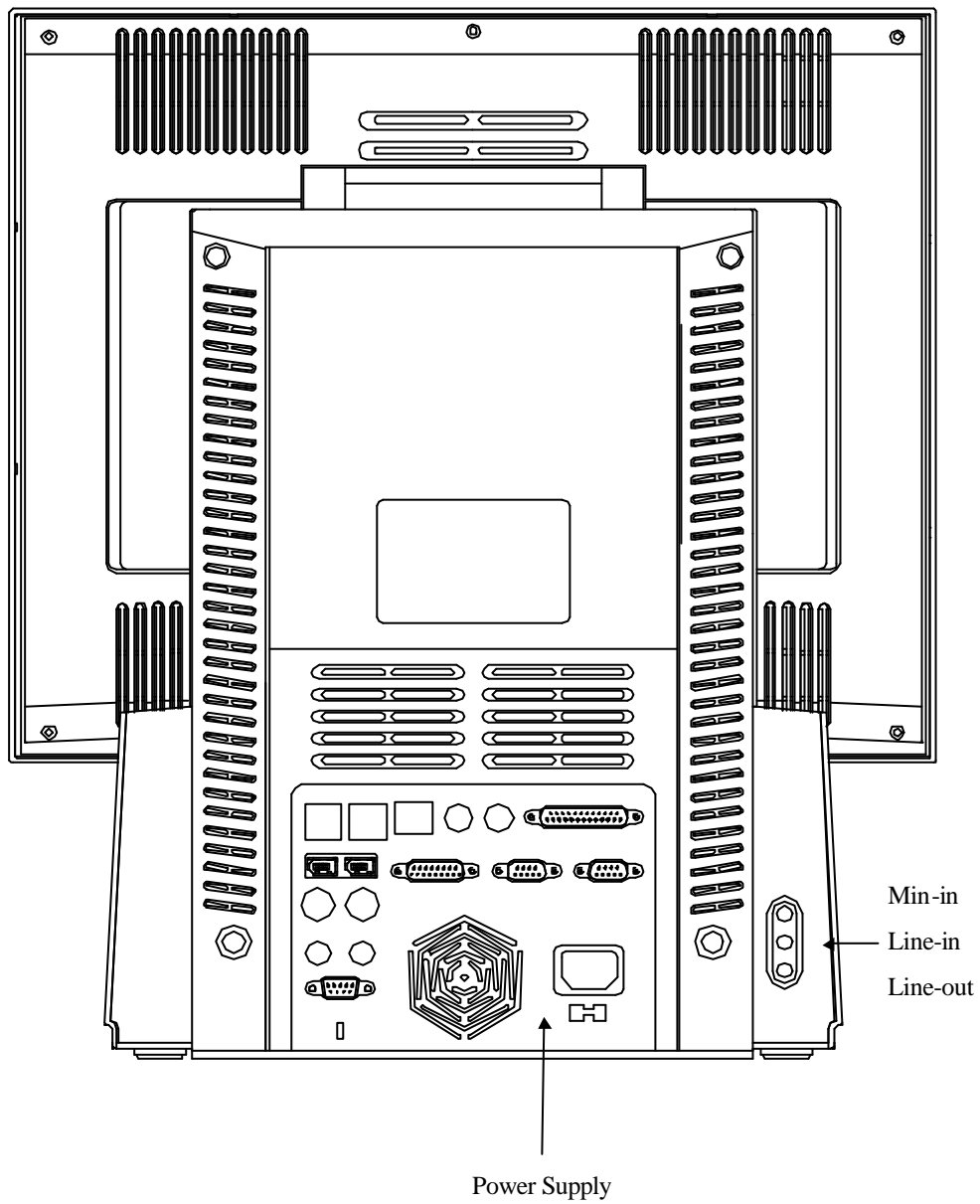
## 5. Hardware Overview

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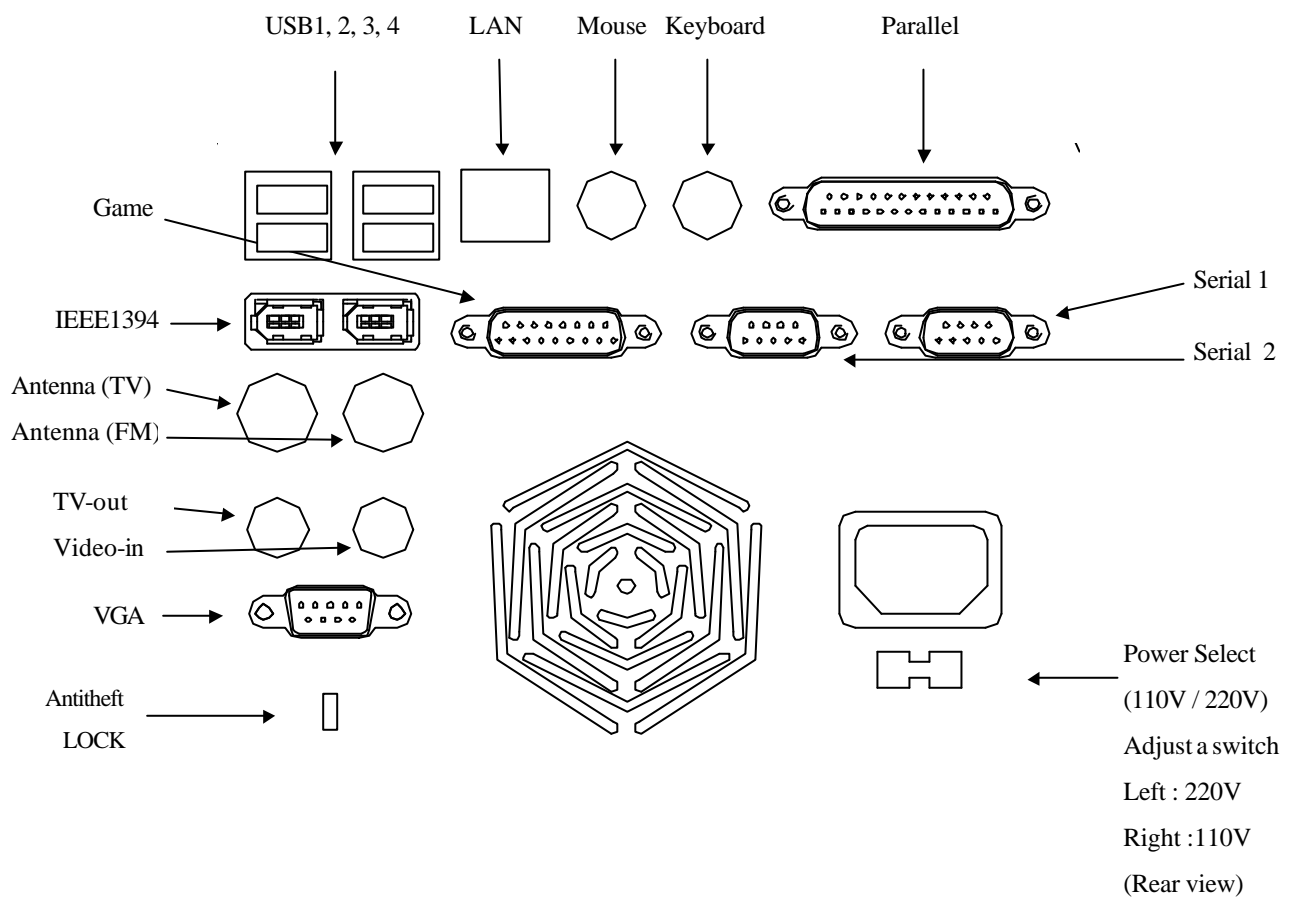
FRONT



REAR

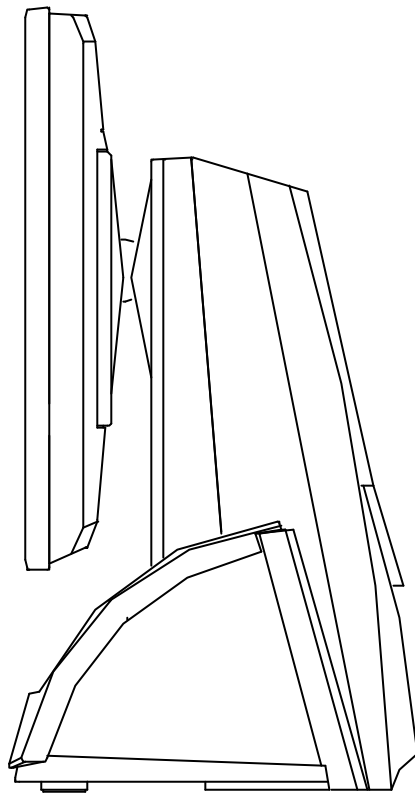


## PORT

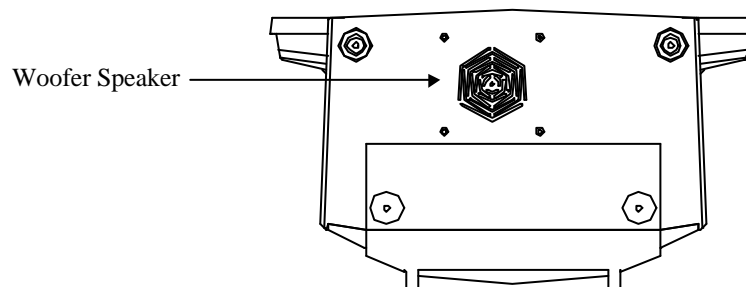




SIDE

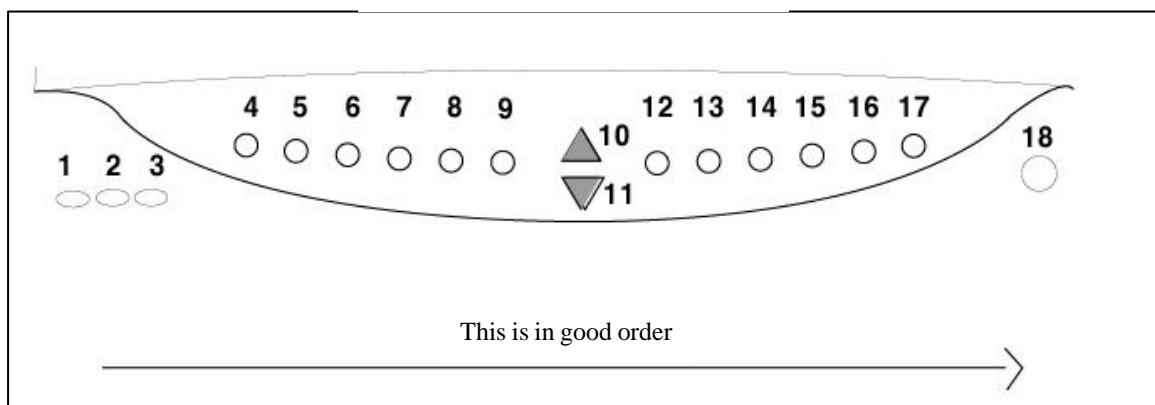




BOTTOM



## 5.1. Using the keyboard / mouse

Appending a explanation of function



Esc	Cancel and returning the current task
Tab	Move forward through options
Caps Lock	Changing the capital / small letter
Shift	Deciding a specific letter in your version
Ctrl	Show specific function with using of another key
Alt	Carry out the corresponding command with using of another key
Enter	Click the selected button or move the line of word task
	Shortcut for window start command
	Shortcut for right button of mouse

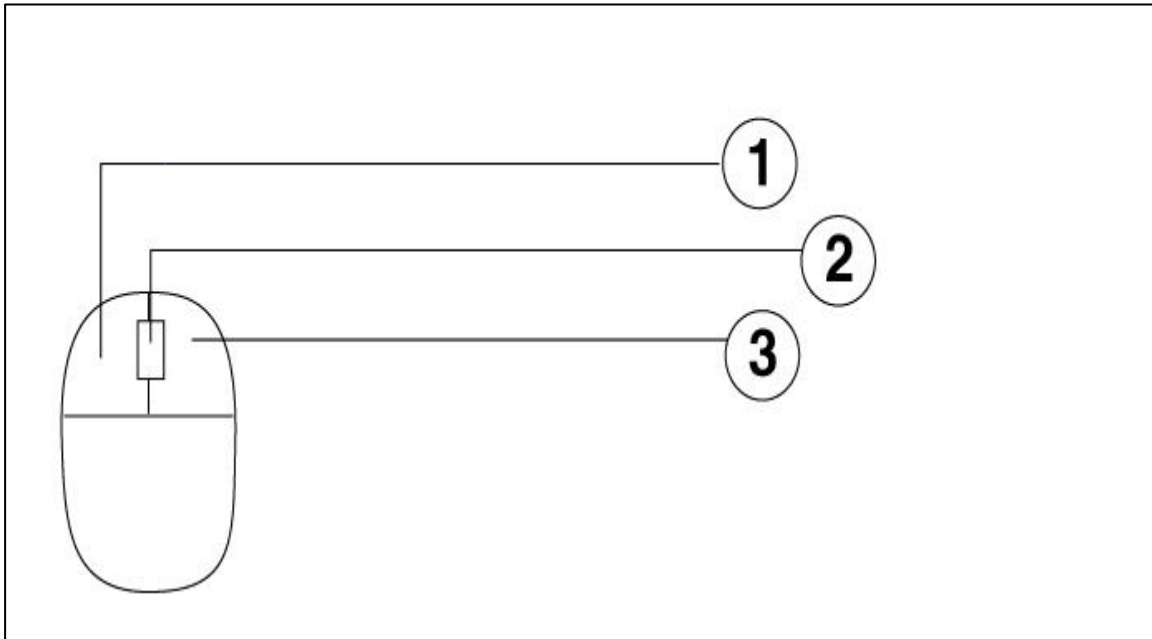
**Caution** :It may be different by keyboard style.

Do not spill water, coffee or other foreign material  
to keyboard

**Using the multimedia shortcut**

(1)	www. (command internet standard browser)
(2)	Main (receiving and sending the mail)
(3)	Explorer (internet explorer using only)
(4)	Back (go to previous page)
(5)	Forward (go to next page)
(6)	Stop (stop downloading a page)
(7)	Refresh (refresh the current page)
(8)	Search (searching a web-page)
(9)	Favorite (viewing a favorite list)
(10)	Sound Min (minimize related audio sound)
(11)	Sound Max (maximize related audio sound)
(12)	Mute (mute audio sound)
(13)	Beginning (in case of using audio CD)
(14)	Next (select the next list of audio CD)
(15)	Stop (stop audio CD)
(16)	Play / Stop
(17)	Calculator
(18)	Slip mode (power-saving mode)

**Using mouse**



(1)	Left button (selection or carry out)
(2)	Middle button (zoom function for CAD, Graphic task) Wheel (page scrolling function)
(3)	Right button (cancel of selection or carry out)

**Caution :** It may be different by mouse style

Do not spill water, coffee and other foreign material  
to mouse

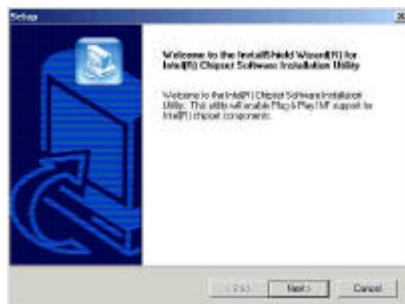
## 6. Installing Driver

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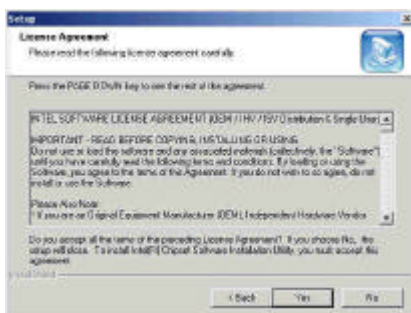
### 6.1. Installing chipset driver

Pathname : D:\DriveData\Chipset\ChipsetDRV340\_1001.exe

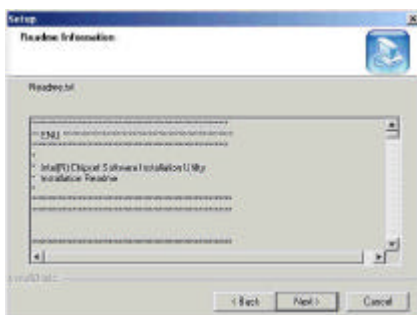
1. Click 'NEXT'



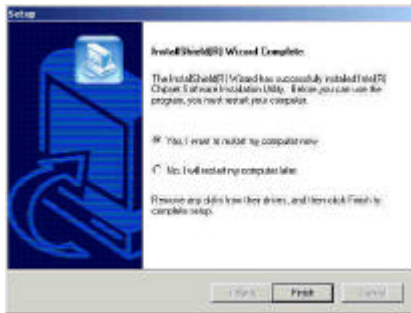
2. After confirmation the license, click 'YES'



3. Click 'NEXT'

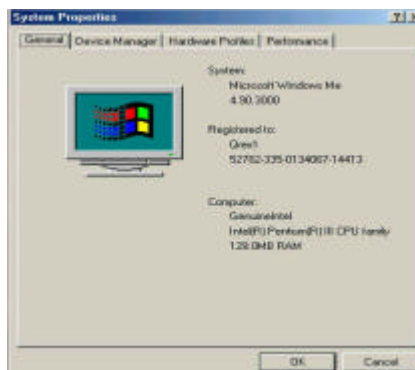


4. Click 'Finish'

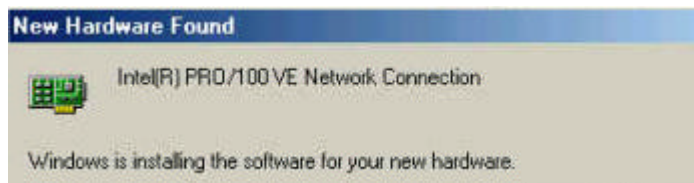


**6.2. Installing LAN driver**

1. 'START' > 'SETTING' > 'CONTROL PANEL' > click 'SYSTEM'



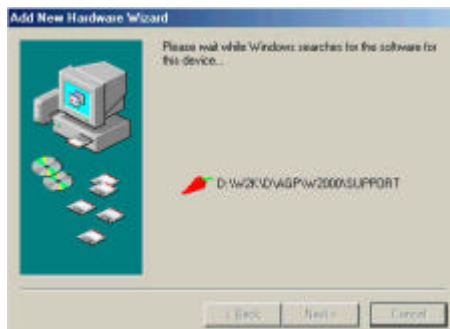
2. Click 'SYSTEM DEVICE' and then click 'REFRESH'



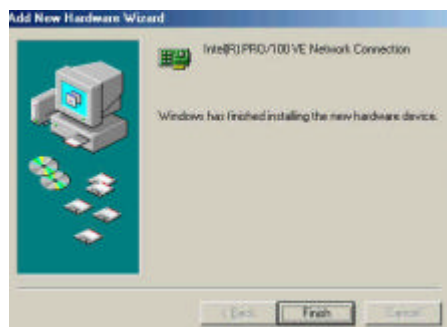
3. Add new hardware wizard appears, then click 'YES'



4. Auto detecting screen. At this time, 'DRIVER CD' has to be in CD-ROM driver



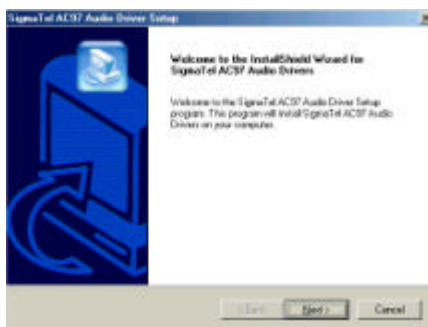
5. After driver detecting, click 'Finish'



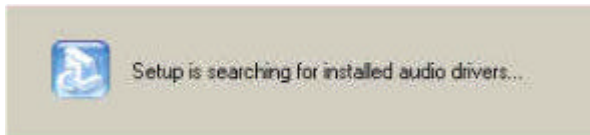
### **6.3. Installing Audio driver (Win98 / Me)**

Pathname : D:\DriverData\Sound\setup.exe

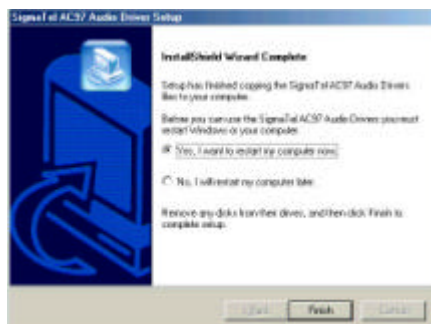
1. Click 'NEXT' on audio driver setting screen



2. Screen of file copying to HDD



3. After file copying, click 'Finish' button to restart system.

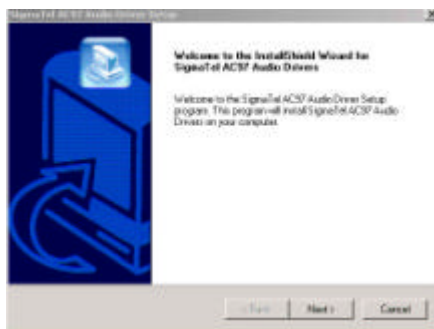




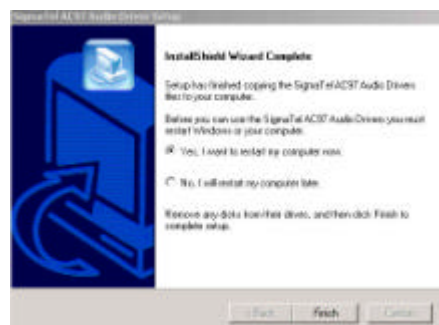
4. After installing of sound device with driver CD, system will be restarted and find a unknown device. For this device, please follow below step.
5. For driver searching for unknown device, click “Auto searching”. After auto searching, unknown device will be known as “AC97 Codec” (‘NEXT’ click)
6. System asks “ks.sys” file. Set directory to “C:\windows\system32\driver” to find “ks.sys” file.
7. System will ask “ksproxy.ax” file. Set directory to “C:\windows\system” to find “ksproxy.ax” file. After copying of these two files, system will find Sigmatel driver automatically.

#### **6.4. Installing Audio driver (Win2000)**

1. Click ‘NEXT’ on audio driver setting screen.



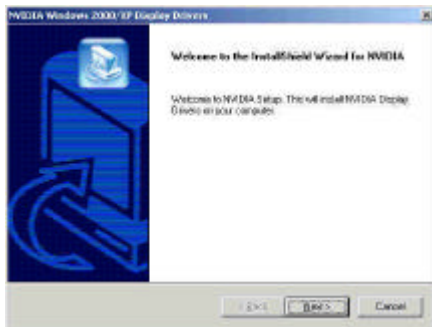
2. Click ‘Finish’ to restart system.



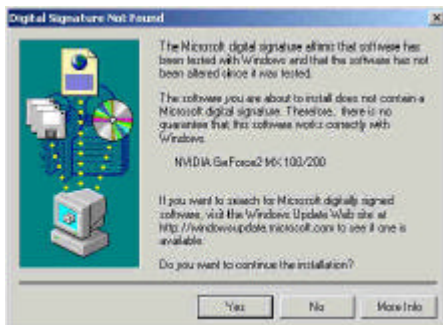
## **6.5. Installing VGA Driver**

Pathname : D:\DriverData\nVIDIA\ Win2K-XP\_2311.exe (Win9X\_2311.exe)

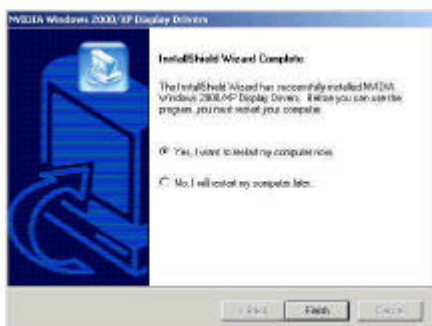
1. Click 'NEXT'



2. Click 'YES'

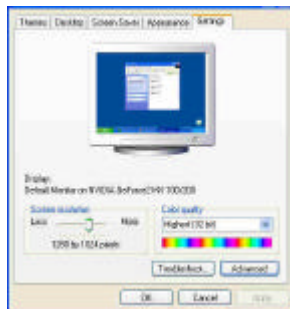


3. Click 'Finish'

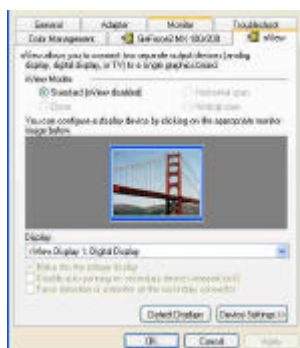


## **6.6. Setting Twin View**

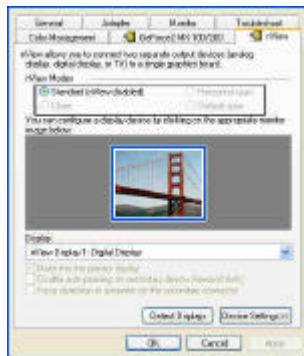
1. Take right button of mouse and then take 'Display Properties'
2. Take 'Setting' in 'Display properties'



3. Connect VGA cable that is connected to monitor to external VGA port of X170
4. Click 'Advanced'



5. Take 'nView'
6. Take a mode that you want in nView mode that click 'Apply'



\* Caution

- If you connect to monitor before setting, twin view function setting is not available
- If you reboot after setting twin view function still works.

## **6.7. Touch Driver**

The CD driver provided is software needed for operation in Windows 98, ME, 2000 environment. Hardware wise, Touch Screen interacts with computer through controller and USB port.

Since touch position recognition thru Touch Screen is compatible with mouse driver system, touching thru Touch Screen provides several functions identical to what usually mouse does e.g., drag, select, click, and double click.

Pathname : D:\PALA-PC\Touch\Serial\Win2KXP\setup.exe (Win95 / Win98)

### **6.7.1. Installation**

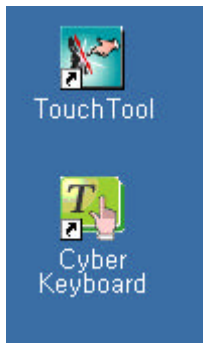
1. Put the Driver CD into the CD-Rom Driver.
2. And then, the computer automatically search new hardware and install the "Touchside".
3. Double Click the "SETUP" file in the Driver directory
4. The message 'Touchside Version 1.0' will show on screen as below. Select the 'Install' and click the 'NEXT'.



5. The message 'Installation is done' will show on screen as below. click the 'Exit'.



6. The icons named “Touch Tool” and “Cyber keyboard” will appear when the calibration procedures are completed successfully.

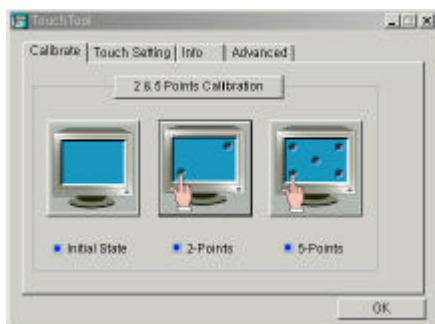


### **6.7.2. How to Use TouchTool**

In order to utilize the Touch Screen LCD properly, it is important to get familiar with the details about Touch Tool. If you know well about the details, you can operate more usefully.

The TouchTool consists of 4 sheets and the followings are the detailed descriptions.

#### ***4.7.2.1 Calibrate***



This menu is for calibrating Touch Screen when the intended touch position doesn't match the cursor point appeared on the screen.

It is important proceed; you should have to calibrate before use of Touch Screen in order to avoid trouble.

Please calibrate Touch Screen in the case described as follows;

First time driver installation.

When the resolution of monitor is changed.

When the intended touch location doesn't match the cursor.

When a video card or monitor is replaced.

If the touch point doesn't still match the cursor satisfactorily, please choose 2 or 5-point calibration option and proceed.

#### 1) 2 & 5-Point Calibration

##### Initial State

Reset the status to initial state.

**Note :** Initial state is a setting done at the factory. (Please do not change it)

##### 2-Point Calibration

Touch the center of blue target appeared on the top of the left side in the screen until the color changes to gray.  
(It takes about 1 ~ 2 seconds)

Repeat same procedure when the next target appears on the bottom of the right side in the screen.

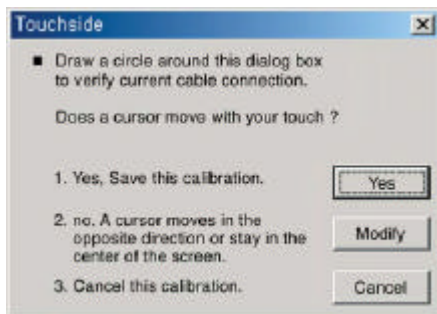
Press "ESC" if you want to stop calibration, in such a case, the previous calibration result will be still valid.

##### 5-Point Calibration

The 5 blue targets will appear in the sequential manner. When one appears, touch the center of it until the color changes to gray. Repeat the same procedures for the following rest of targets.

This is more accurate than 2-Point Calibration.

When the calibration finished, the following message will show on the screen.

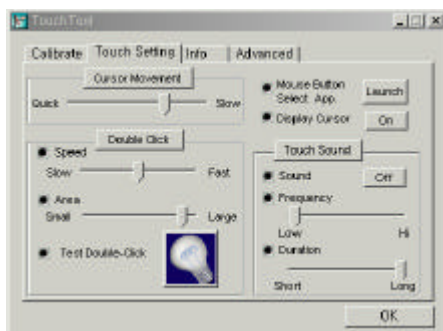


Please check the cursor is matched intended touch point in the all screen area.

If the point correct, press “YES” .

If the point incorrect, press “Modify” then calibrate again.

#### **4.7.2.2 Touch Setting**



##### **1) Cursor Movement**

This menu is for adjusting the speed of cursor movement responding to touching action.

If you set “Quick”, the speed is fast but the cursor trembling increases.

If you set “Slow”, the speed is low but the cursor trembling decreases.

Adjust the stroller as desired as you want.



## 2) Double-Click

Double-touch provides the same function as “Double-click” with mouse.

This option allows for you to optimize double-touching speed that might be different depending upon the touch habit of the individual. Using side bar, you can optimize a time interval between touches as favored. Also you can test the setting if it fits to you with “bulb” icon.

Double touch the icon. Bulb will go ON or OFF, if the setting works.

## 3) Mouse Button Select

This option provides the same functions as the ones that right or left button of mouse does. An icon-showing mouse will appear on the screen if you select the option. You can choose left/right button of the mouse by touching one as desired.

Also touching with “Ctrl” key pressed will provide the same function as clicking the right button of mouse.

## 4) Display Cursor

“ON” – cursor appears.

“OFF” – cursor disappears.

## 5) Touch Sound

This option allows you to create a sound along with touch.

You can elect sound ON/OFF, and adjust frequency and duration as desired.

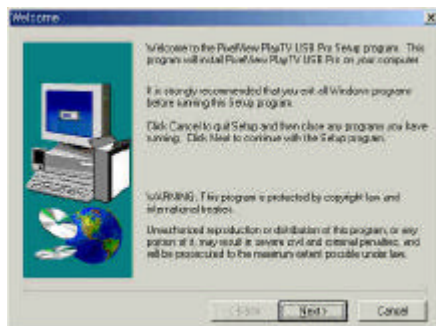
### **4.7.2.3 Controller Information**

It shows the version of Controller currently used.

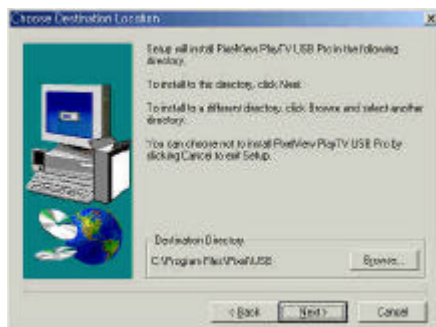
## 6.8. Installing TV modul

Pathname : D:\PV-NT1004+\USBTVP\setup.exe

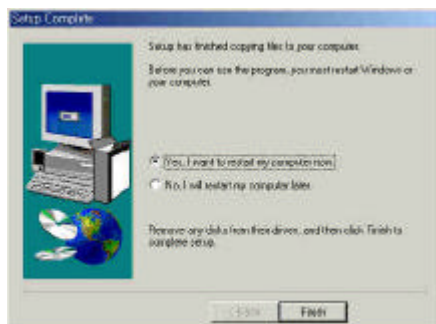
1. Click 'NEXT'



2. Click 'NEXT'



3. Click 'Finish'



4. 'START' > PROGRAM > PixelView Play TV USB pro > TV system configure

Select 'Location'



## CAUTION

“Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by manufacturer. Dispose of used batteries according to the insulate the batteries using tape without mixing other batteries or metals.

Charging prohibited.

Do not disassemble, deform, heat, short-circuit, solder, dispose of in fire of the like.

Insert the batteries with positive (+) and negative (-) terminals oriented correctly.

Do not carry or store the batteries together with other metallic object like necklace.