

Digital Writing Pad

Intuitive and interactive Learning Experience
NXBoard professional

User Manual



Touch Screen
Touch Your Heart

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1. Product

1-1 Product Introduction

The Digital Writing Pad integrates 10” widescreen display with touch writing pad technology, which is a creative solution for teaching environment. You can instantly present through a second display or a projector, what you just wrote on the digital writing pad would be simultaneously showed on the projector wall. You can easily make marks and comments on digital files which enables you to interact with your students as well as improve your teaching quality, renewing the traditional teaching methods. Furthermore, the compact and slim design for this product is only 15mm thick, decreasing the load of your hand holding the writing pad.

1-2 Features

1. Intuitive Operation

Different from other products in the market, Winmate Digital Writing Pad is embedded with 10” widescreen display that is user-friendly and requires no practice before operating.

2. Slim and Compact Design

15mm ultra-slim design allows you to work directly on the Digital Writing Pad, easy as writing on a paper.

3. Ergonomic Design

Taking place of the traditional mouse, the writing stylus efficiently reduces injuries caused by using mouse constantly.

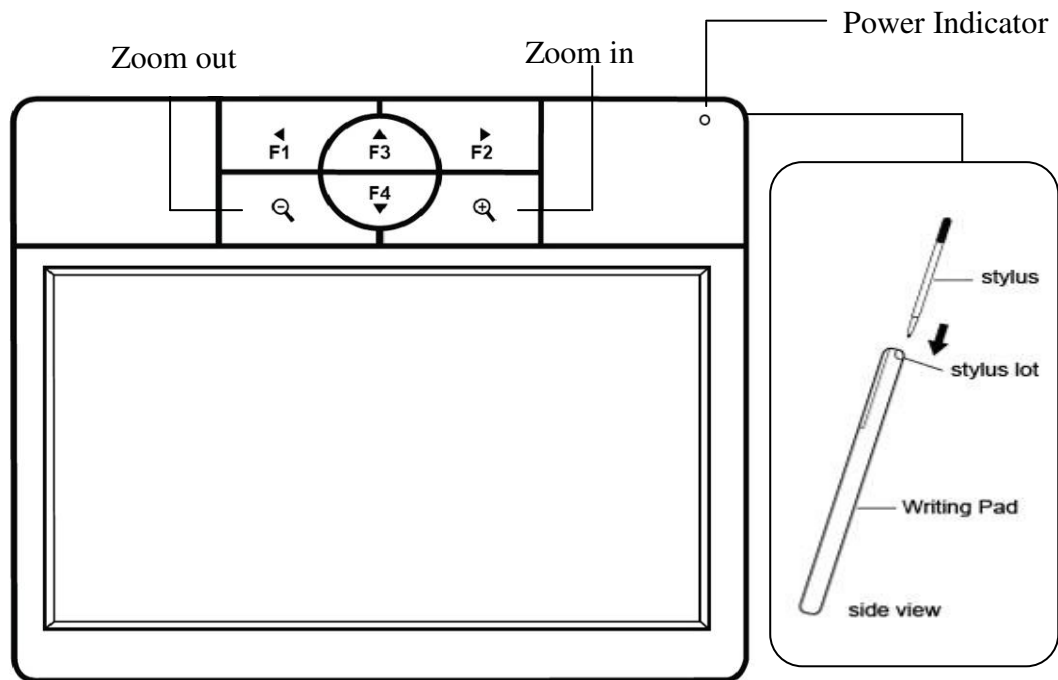
4. Multiple functions

The function of Zoom-in is built-in on the digital writing pad and 4 hot tabs.

1-3 Product and Accessories

- | | |
|-----------------------|--------------------------------|
| ● Digital Writing Pad | ● Adapter & Complex Cable |
| ● Stylus | ● NXBoard Software & Driver CD |
| ● User manual | ● 1 to 2 VGA Splitter (optiona |

1-4 Functions



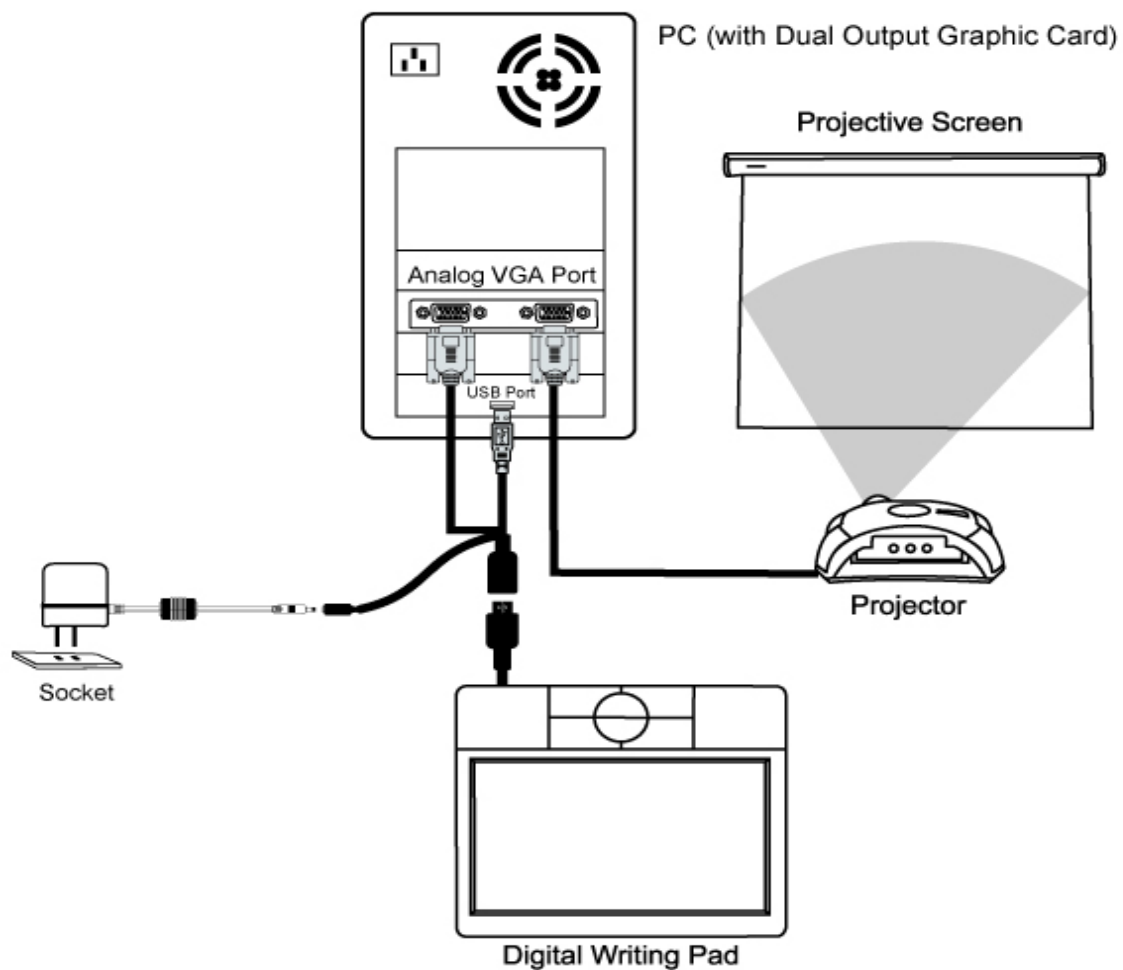
Hotkeys (Functions are enable under NXBoard Software interface)

- F1** Selection
- F2** Return to last function for (Flood Fill/Text Box/Stamper/Medium Eraser/Pen/Florescent Pen/Creativity Pen/Cut)
- F3** White Board Mode
- F4** Click Through

- F2** +  to call on screen display menu
- F1** +  to call brightness adjusting bar
- F2** +  to turn on/ off the Digital Writing Pad

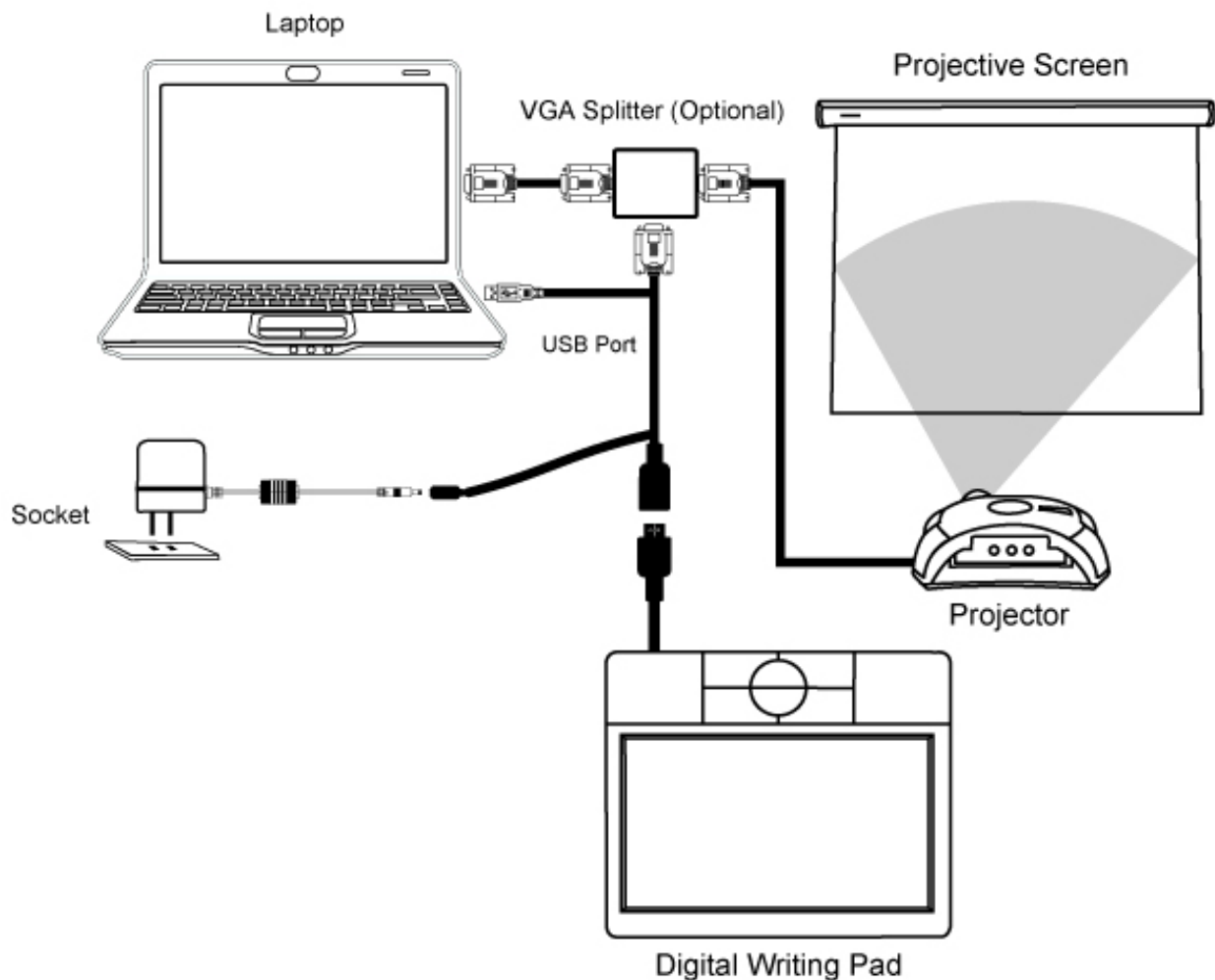
2. Hardware Installation

2-1 Installation Steps of PC with Dual Output Graphic Card



- Step1 Connect the HDMI connector of Digital Writing Pad with the complex cable's HDMI port.
- Step2 Plug the VGA connector of the complex cable in the PC's VGA port.
- Step3 Plug the USB connector of the complex cable in the PC's USB port.
- Step4 Plug your projector's VGA connector in PC's second VGA port.
- Step5 Plug adapter in the power jack of the complex cable and then plug the power cord in the socket.

2-2 Installation Steps of Laptop with VGA Splitter



- Step1 Connect the HDMI connector of Digital Writing Pad with the complex cable's HDMI port.
- Step2 Plug in one side of the VGA cable in the laptop VGA port and the other side to the VGA splitter*.
- Step3 Plug the USB of complex cable in the laptop USB port.
- Step4 Plug the VGA connector of complex cable in the VGA splitter.
- Step5 Plug the projector's VGA cable in the VGA splitter.
- Step6 Plug adapter in the power jack of the complex cable and then plug the power cord in the socket.

*Some VGA Splitters are not supporting DDC2B function. If Digital Writing Pad connects with VGA splitters may happen not turn on the Digital Writing Pad. When it happens, please use other VGA output connector or contact to your VGA Splitter's supplier. We recommend using Winmate VGA Splitter (Model Name: VSP Box) for Digital Writing Pad.

3. NXBoard Software and Touch Driver

3-1 Introduction

NXBoard, the cutting edge software, offers the new teaching ways that you have never imaged before. It has user-friendly interface and most powerful multiple functions and it saves the teacher's time to prepare the lessons. NXBoard supports almost all formats of files which you can import as your teaching materials such as website, flash contents, youtube videos, pictures and power points and so on.



3-2 Software Installation and Register

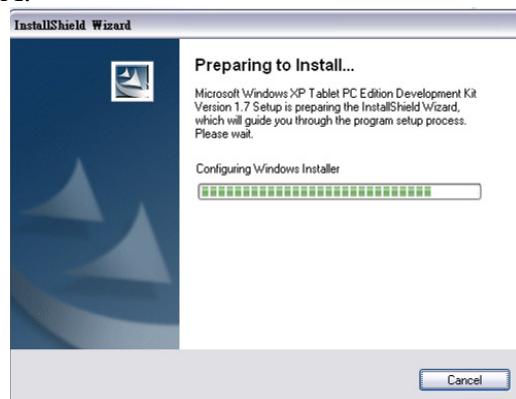
PC Hardware & Software Requirements

Section	Specification
Processor	Pentium 4 or similar, 2GHz
Memory	1GByte
DirectX	V9.0c or higher
OS	Windows 2000/ Windows XP/ Windows Vista/ Windows 2003
Recommended resolution	1024x600@ 60 Hz
Office applications	Office XP / 2002 / 2003 / 2007
Web browser	Internet Explorer, Firefox
Video Device	Supported Direct X 8.1 and higher VGA Graphic Card
Audio Device	Build-in Audio Chipset and Audio Speaker

3-3 1st Component Installation

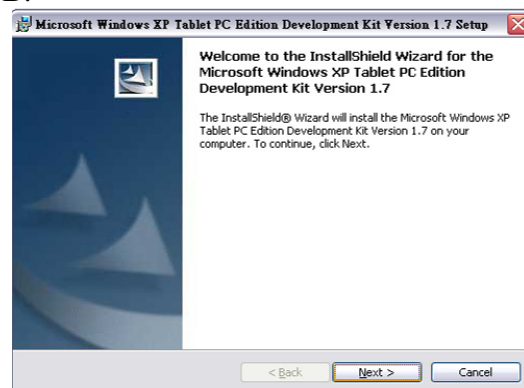
Microsoft Windows XP Tablet PC Edition Development Kit 1.7” to begin the installation.

A.

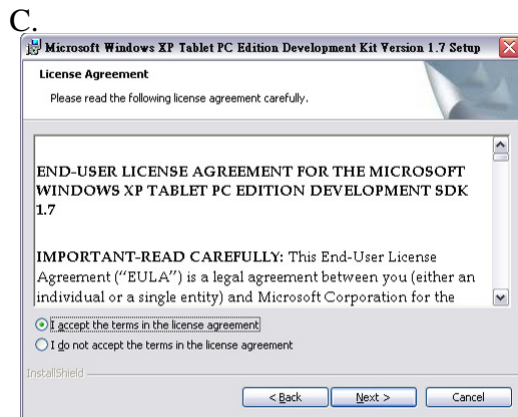


Enter the installation page.

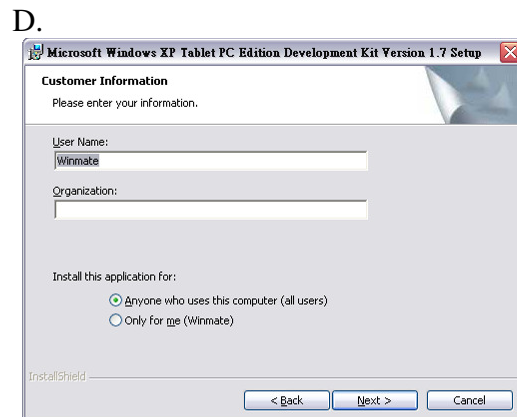
B.



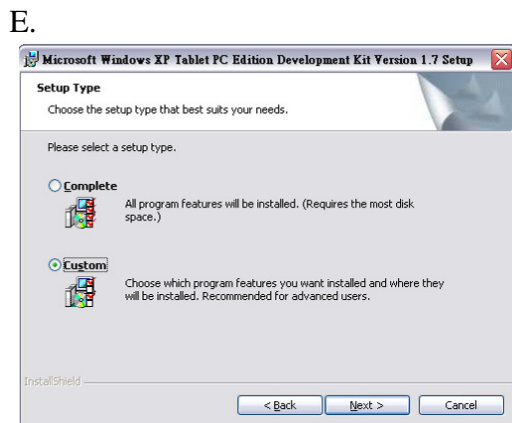
Select “Next” to proceed.



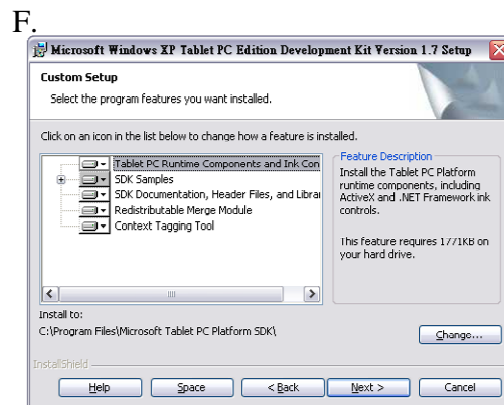
Select “I accept the terms in the license agreement” and “Next” to proceed.



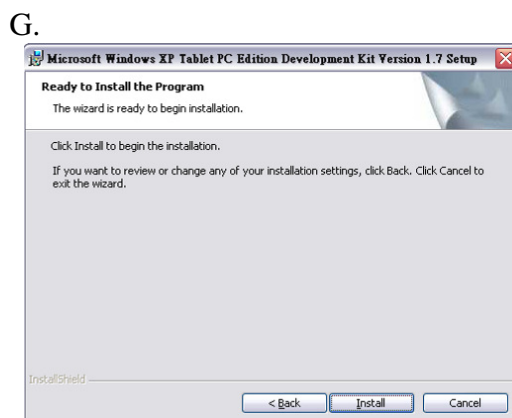
Select “Everyone who use the computer (all users)” and “Next” to proceed .



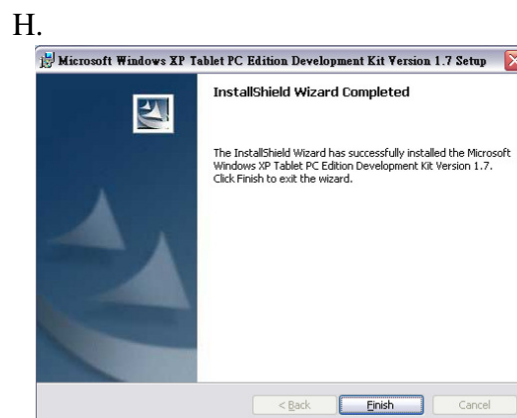
Select “Custom” and “Next” to proceed.



Select “Next” to proceed.



Select “Install” to install the software.



The installation page will be closed automatically after the installation is done.

3-4 2nd Component Installation

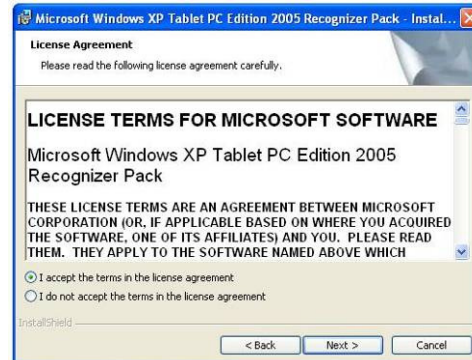
Install Microsoft Windows XP Tablet PC Edition 2005 Recognizer”.

A.



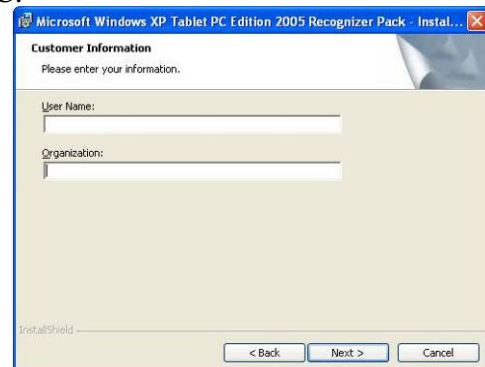
Select “Next” to proceed.

B.



Please select “I accept the terms in the license agreement” and select “Next” to proceed °

C.



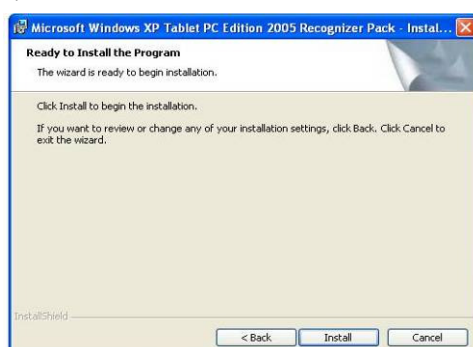
Select “Next” to proceed after filling out Customer Information.

D.



Please select “Custom” and “Next” to proceed.

E.



Select “Install” to install the software.

F.



The installation page will be closed automatically after the installation is done.

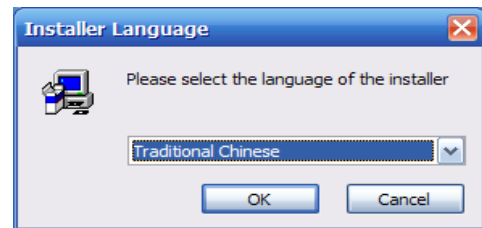
3-5 NXBoard Software Installation

A.



Click “Install” to proceed

B.



Select Installer Language

Traditional Chinese

Simplified Chinese

English ✓

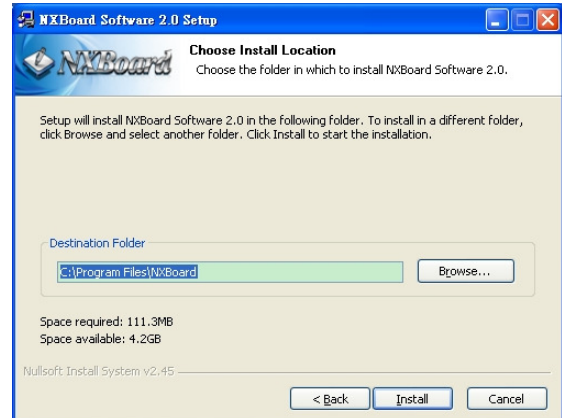
Dutch

C.



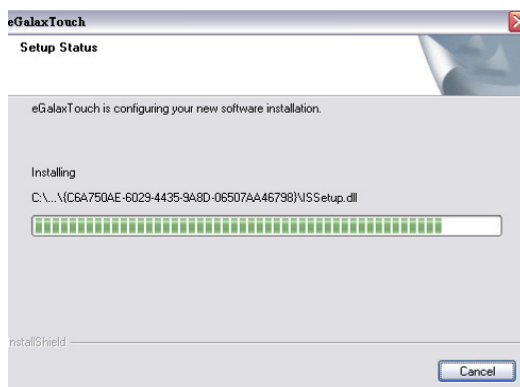
Select “Next” to proceed.

D.



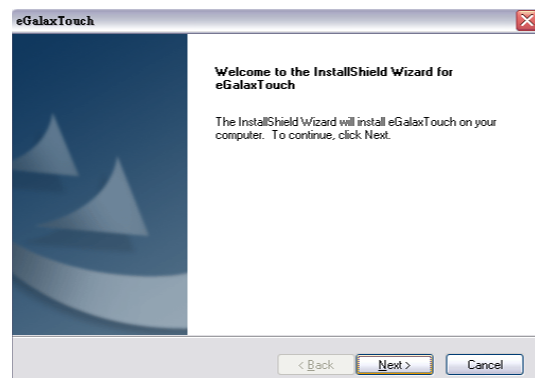
Please select “the destination folder” then click “Install” to proceed.

E.



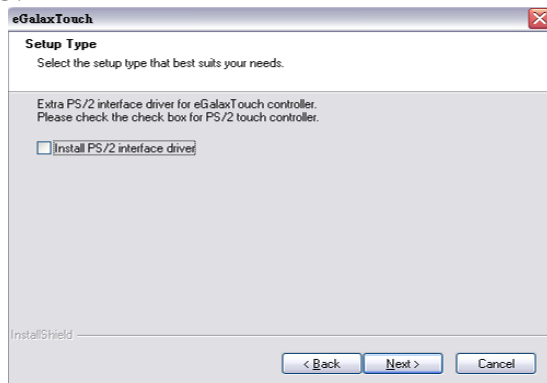
Installation page automatically proceed.

F.



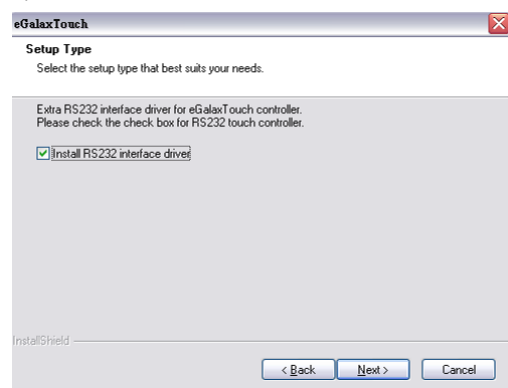
While entering the installation page, select “Next” to proceed.

G.



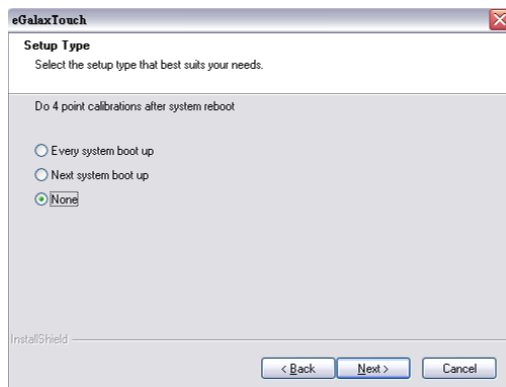
Select “Next” to proceed.

H.



Select “Next” to proceed.

I.



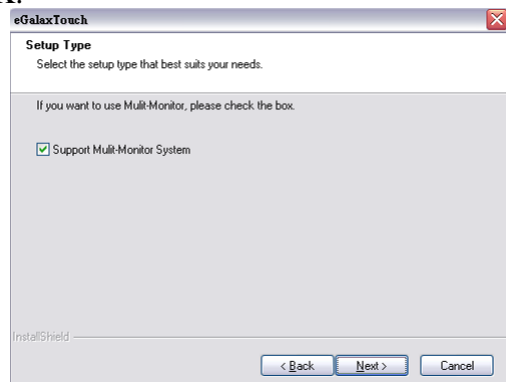
Please select “None” to do 4 point calibration when the system starts and select “Next” to proceed.

J.



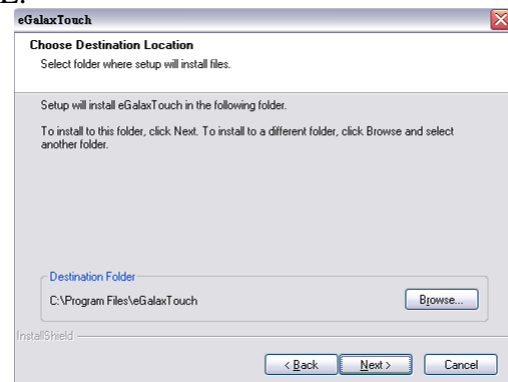
After making sure the USB Touch device is installed correctly, select “OK” to proceed.

K.



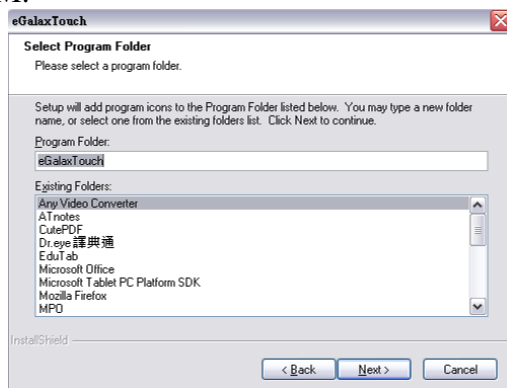
Select “Next” to proceed.

L.



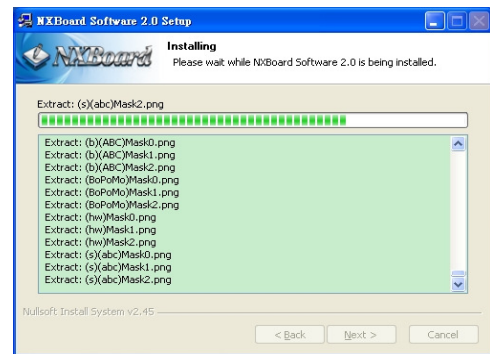
Select “Next” to proceed.

M.



Select “Next” to proceed.

N.



The “Installing” Image

O.



Select “Finish” when installation is completed

3-6 NXBoard Online Register

A.



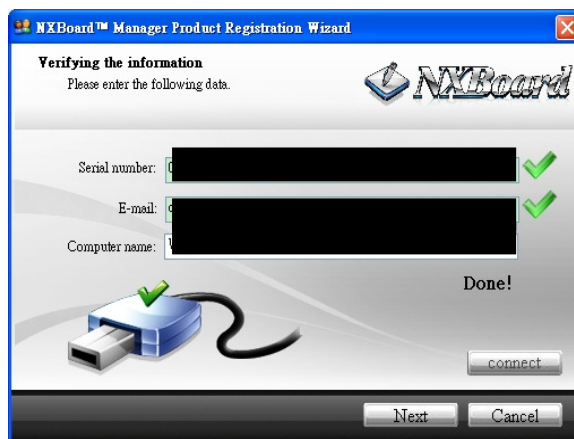
Click “Next ” to proceed

B.



Fill in the “serial number” and “Email Address”, and click “Next” to proceed.

C.



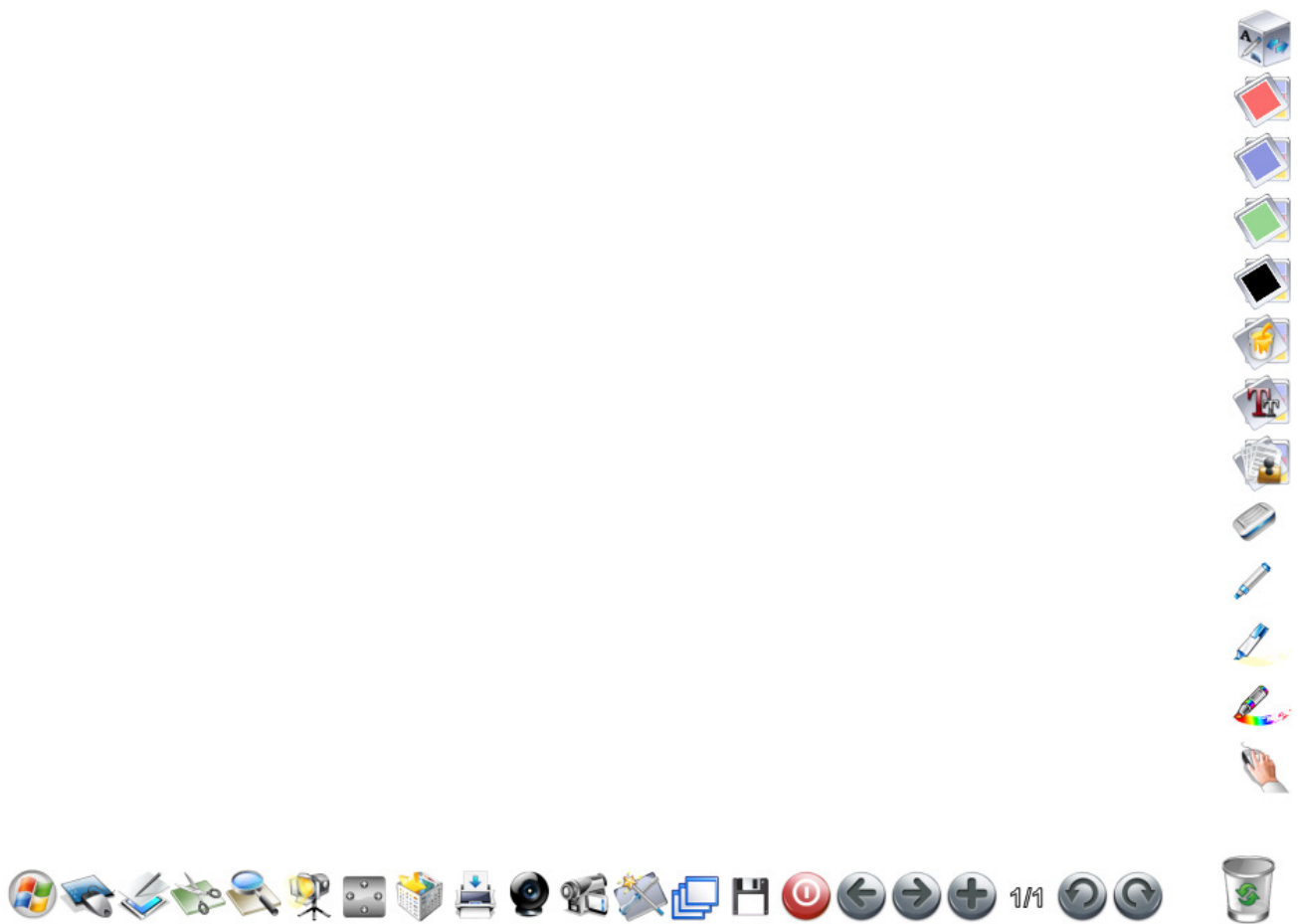
Select “Next” to proceed.

D.



The online register procedure is done, please click “Next” to proceed.

3-7 NXBoard Software Function Introduction



Picture 1: View of NXBoard after starting the application

Vertical Taskbar Functions



Switch: Switch the column of vertical bar to the next column of functions.



Red: Select the red color (for pen, fluorescent pen, creativity pen, flood fill.)



Blue: Select the blue color (for pen, fluorescent pen, creativity pen, flood fill).



Green: Select the green color (for pen, fluorescent pen, creativity pen, flood fill).



Black: Select the black color (for pen, fluorescent pen, creativity pen, flood fill).



Flood fill: Fill an area, object or shape with the selected color.



Textbox: Make a textbox, and enter text with the keyboard or on screen keyboard.



Stamper: Stamp using the selected stamp icon.



Eraser: Eraser tool. Select the size of the eraser by clicking the icon multiple times.



Pen tool: Write and draw with selected pen thickness and color.



Fluorescent pen: Make semi transparent highlights with selected pen thickness and color.



Creativity pen: Write and draw with selected pen with change thickness, color, and format.



Selection: Go to Selection mode to select objects or shapes and then move, change or remove them.

Vertical taskbar functions (2)



Switch: Switch to the next column of functions.



Freehand Shape: draws a line between one or more points with selected line type, thickness and color.



Line: Draw a line on the whiteboard.



Rectangle: Draw a rectangle with the desired size on the whiteboard.



Circle: Draw a circle with the desired size on the whiteboard.



Ellipse: Draw an ellipse with the desired size on the whiteboard.



Triangle: Draw a triangle with the desired size on the whiteboard.



Etriangle: Draw an Etriangle with the desired size on the whiteboard.



Diamond: Draw a Diamond with the desired size on the whiteboard.



Pentagon: Draw a pentagon with the desired size on the whiteboard.



Star: Draw a star with the desired size on the whiteboard.



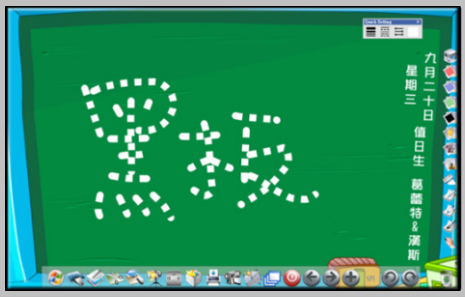
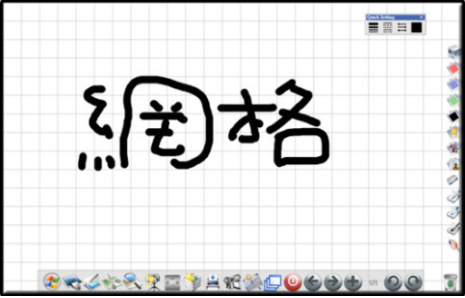
Table: Draw a table with the desired size on the whiteboard.

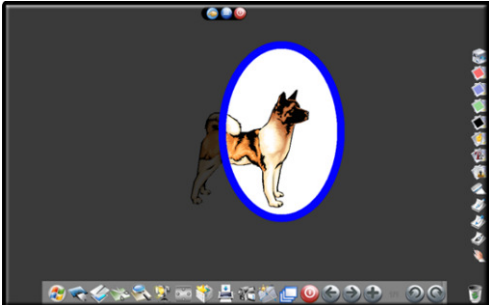
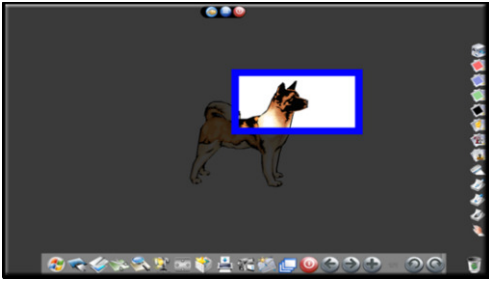
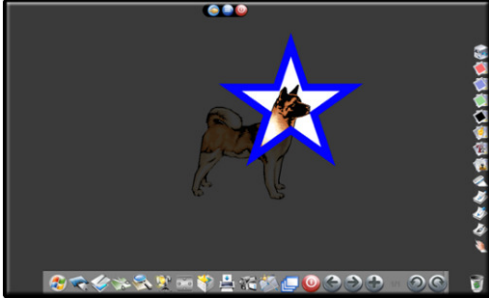


Selection: Go to Selection mode to select objects or shapes and then move, change or remove them.

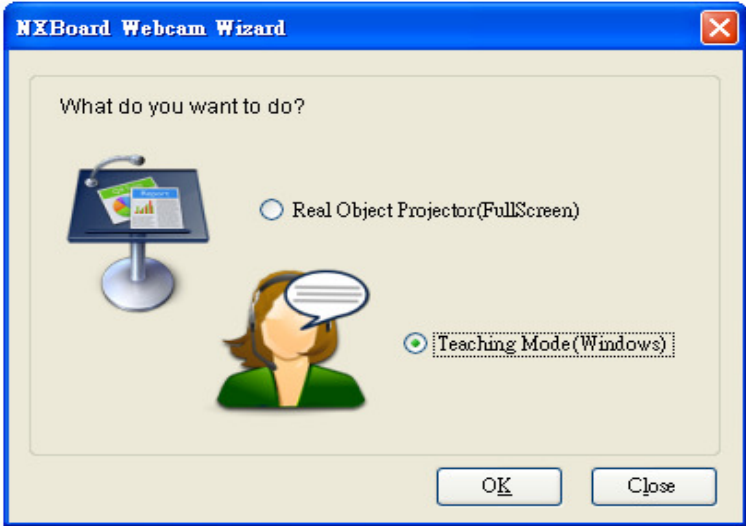
Horizontal taskbar functions

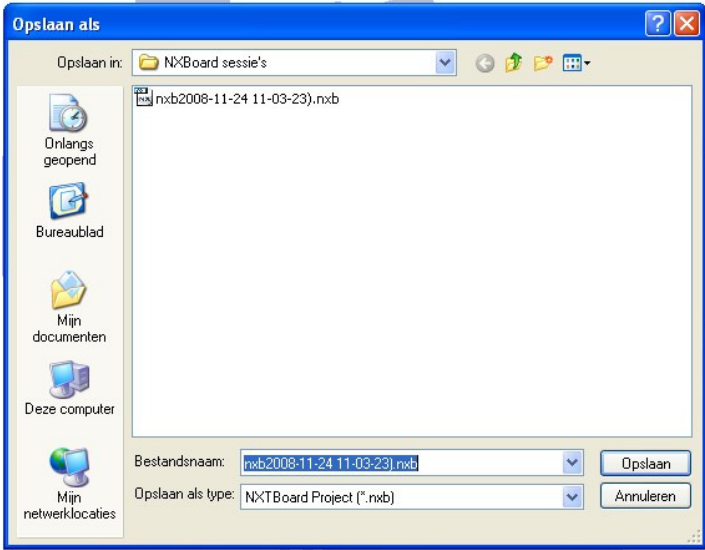
	Desktop Mode	If the Return to Desktop icon is clicked, the NXBoard application will be minimized to the  icon. This icon is placed at the right bottom corner of the screen. The Pen can now be used to start and navigate in window applications. NXBoard can be used again immediately by clicking on the  icon.
	Click Through	When the Click Through function is started, the icon will change from  to . In Click Through mode, the whiteboard and icons are visible. Some icons are not active and are grayed out. The Pen can be used now to activate shortcuts on the desktop, to start and control windows applications. If any of the active icons are clicked (for example the pen), the click through mode will be stopped automatically.

	Whiteboard mode	Switch between Whiteboard mode and transparent desktop mode.  
	Cut	With the Cut function you can make a copy from the desktop or from an application (for example part of a webpage in Internet explorer) and place this on the whiteboard as an object. Place the Pen at the corner of the area to be copied and drag the pressed Pen to the opposite corner of the area. You will see a semi-transparent rectangle appearing. At the moment the Pen is not pressed anymore, the area will be copied to an object. The object can now be dragged to your preferred location on the whiteboard.
	Zoom in/out	With the Zoom function, you can zoom in or zoom out on a certain area of the whiteboard. During Zoom mode, a pop-up menu appears for further options, by Clicking   button to zoom in and zoom out the image. Click  button , You can move the zone ; Click  button means shut down this function.

	Spot Light	With the help of the Spotlight function a selected area of the whiteboard can be highlighted. During Spotlight mode, a pop-up menu appears for further options. By Clicking  button, you can move or change the size of zone : By Clicking  button, you can change Menu for choosing the Spotlight shape, background color and percentage transparency. By Clicking  button, it means Stop Spotlight mode   
	Screen Shade	With the help of the screen shade it is possible cover a certain area of the whiteboard (for example the area with answers to certain questions). Horizontal, vertical and a combination of horizontal en vertical shades are available. During the screen shade mode, a pop-up menu appears for further options.

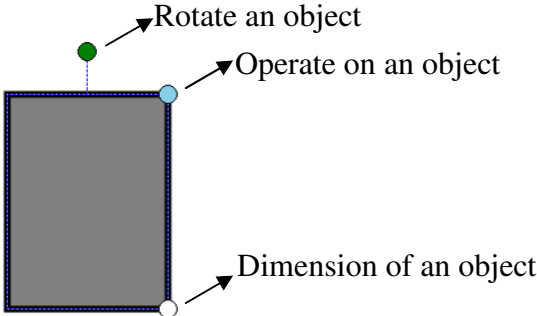
	Shapes	With the Shapes function, you can add images and backgrounds to the whiteboard. When Shapes is clicked, the following pop-up menu appears. The pop-up menu has three tabs; Gallery, Background and Attachment. Gallery: Here are shown the objects that can be placed on the whiteboard such as images, geometric shapes, symbols etc. Backgrounds: Here are shown the backgrounds for the whiteboard, such as backgrounds for mathematics, language, map etc. Attachment: Objects placed on the whiteboard, can be used for later use by exporting them. The files are stored in the tabs Gallery or Attachment. Extra folders can be added for further categorization. If an object is stored in the Attached File tab, it will be included into the NXBoard project file when this is stored. This is useful when creating a NXBoard session at home. Home created objects can now be carried in the Attachment tab from home to the school or office location and can be re-used here. Take care to store not too many objects in the Attachment tab as it will increase the NXBoard file size.
	Print	With the Print function you can print directly to the printer connected to the computer network. Or you can print to an export format such as pdf, png (image format), html, PowerPoint and Email (in development). When the Print icon is clicked, the following pop-up menu appears. 

	Camera	When you click the “Camera” function, it can be perfectly combined with webcam to apply projector into real-time application. You can use camera function and other NXBoard’s tool at same time without any interruption. This function supports two modes. One is called “real object projector”, and the other is called “Teaching mode”. 
	Record	If you click the Record icon, you can make a recording of the NXBoard session. he file can be recorded in various file formats, which can be configured in Wizard/Setting. After stopping the recording, the recording will be converted to the set video format. After the conversion you can enter the filename and folder name.
	Wizard	Under the Wizard Icon, a number of important functions and settings are made available. If the Wizard icon is clicked, the following menu will be made available. You can choose now the submenu’s Tools, Print, Setting, Help and Close.

	Page Sorter	In the Page Sorter menu, an overview of all pages in the current NXBoard session will be presented. It will show 6 pages at a time. If the session contains more than 6 pages, you can move to the next 6 pages by using the green arrow button. 
	Save	With the Save option you can save your current NXBoard session for later use. You can save the file on the desktop or in a folder on your own PC or any accessible folder on the network.  A stored NXBoard session can be started by stopping the current NXBoard session and then click on the filename of the stored NXBoard session. Solving problems
	Close	Stop this NXBoard session, close the application.
	Previous Page [PgUp]	Go back to previous page.

	Next Page [PgDn]	Continue to next page.
	New Page [Ctrl+N]	Add a new page.
	Undo [Ctrl+Z]	Attention. Doesn't Work for Eraser.
	Redo [Ctrl+Y]	Redo the last step
	Recycle Bin	When you click the recycle bin, all objects will be erased from the whiteboard. To erase one object, just drag it to the recycle bin.
	Switch	Click  icon, can switch the column A to column B.  

	Color Tool	There are 4 different default color settings in color tool, or you can choose other color on your own. By Clicking  icon, you can use default color tool. However, if you want to use other color, you need to click the color tool bar, all you just need is to click  icon for 1 to 2 seconds. Then it will show the color tool bar. 
	Flood Fill	This tool can fill color into whole background, and it also can fill color into the closed lines.
	Text Box	This tool can enter the text content, and set up the font's settings, it also support the visual keyboard in this tool. 
	Stamp	This tool supports Stamp format, you also can set up your own stamp by importing the image from other files. 
	Eraser	This tool supports three different sizes eraser. You can change eraser's sizes by clicking the  icon.

	Pen	This tool supports pen for white board. You can change the format, color, and thickness of the pen. 
	Fluorescent Pen	This tool supports pen to highlight text content. You can change format, color, and thickness of the pen by clicking quick setting tool bar. 
	Creativity Pen	This tool supports brushes which can draw some creative icons on the whiteboard. You can change color, format, and thickness of the pen. 
	Selection	You can select single item by clicking the mouse, or move the cursor on the item, then click the right button on the mouse, it will be show the tool list, which includes:  Click (Rotate an object)●, it can rotate the item; Click(Dimension on an object)●, it can enlarge or narrow the item.

		Freehand Shape	This tool supports user to transfer the handmade shape into the real one, which like cycle, oval, triangle, and etc.
		Line	This tool can draw the straight line.
	       	Polygon Tool	 By clicking the icon, the toolbar will be transformed into polygon tool, which supports any geometric figure, and change the color, format and thickness.

4. Definitions of On Screen Display Control Key

4-1 Key Pad Hot Key Function

Item	Description
F2 + ⊕	Call main OSD menu
F1 + ⊖	Call bright adjusting menu
F2 + ⊖	Turn on/ off the Digital Writing Pad

4-2 Navigating the OSD Menu

A. Display the main menu

Press F2+⊕ to display the main menu on the screen.

B. Select the item you want to adjust

Press the ⊕/⊖ button to shift the item selections down or up until it is desired, and then press the button (▶) again to enter the menu item.

C. Adjust the item setting

Press the ⊕/⊖ button to adjust the value of setting. The value will be stored automatically once you adjust the value of setting.

D. Exit the OSD menu

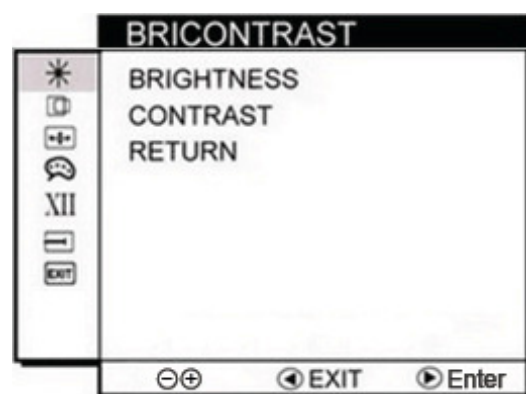
To return the regular screen viewing, select the “EXIT” item. If there is no command respond for 10 seconds, OSD menu will be closed automatically.

4-3 OSD Menu on VGA Mode

* BRICONTRAST

Press “⊕” to increase or “⊖” to decrease the brightness or contrast

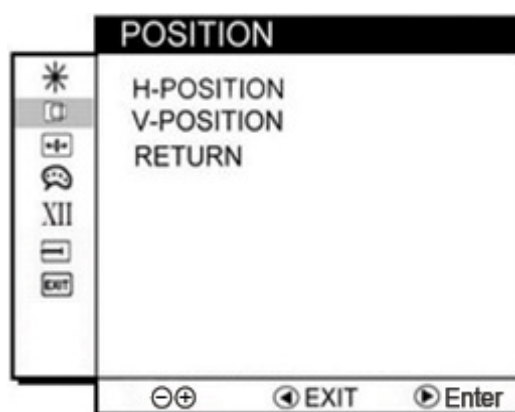
- ◆ BRIGHTNESS is used to adjust the screen’s brightness.
- ◆ CONTRAST is used to adjust the screen’s contrast.



POSITION

You can adjust the screen's position by changing its horizontal and vertical position.

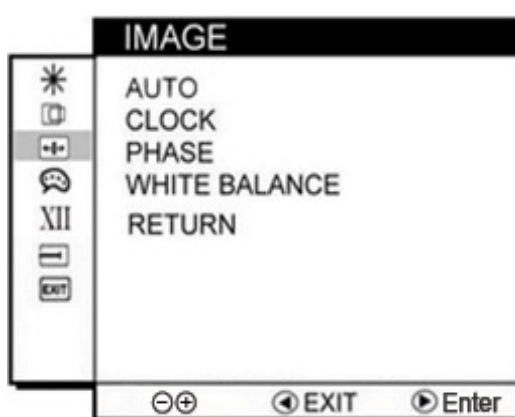
- ◆ H-POSITION is used to adjust the image to left or right of the screen.
- ◆ V-POSITION is used to adjust the image up or down of the screen.



IMAGE

You can change the screen quality through adjusting items under "IMAGE"

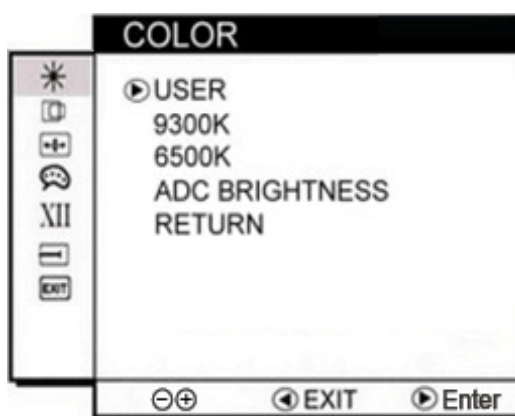
- ◆ AUTO is used to choose the best settings for the current input signal.
- ◆ CLOCK is used to adjust the value of horizontal image.
- ◆ PHASE is used to adjust the phase control (Phase adjustment may be required to optimize the display quality)
- ◆ WHITE BALANCE is used to set the RGB signal voltage level



COLOR

You can set different color levels of the white color field as the default color temperature. Besides you can fine tune the color temperature by selecting "USER" option if necessary.

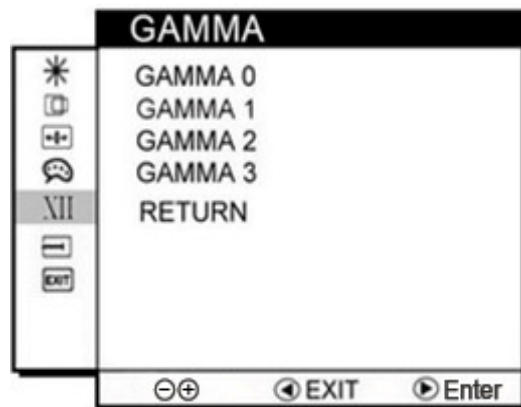
- ◆ USER is used to set the color temperature brightness by choosing RED/GREEN/BLUE for your preference.



- ◆ 9300K is used to set the value of the monitor as 9300 color temperature of the CIE Color System.
- ◆ 6500K is used to set the value of the monitor as 6500 color temperature of the CIE Color System.

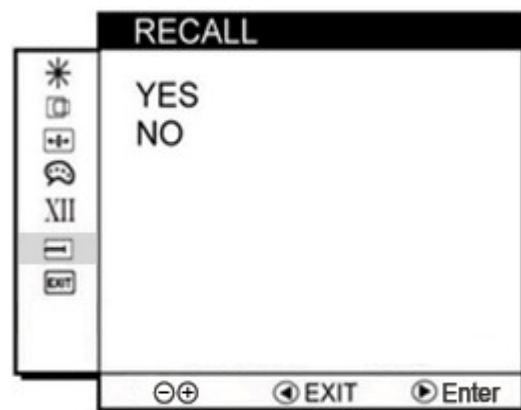
XII GAMMA

GAMMA is used to adjust it at four default levels from GAMMA 0 to GAMMA 3. Select “RETURN” to the main menu.



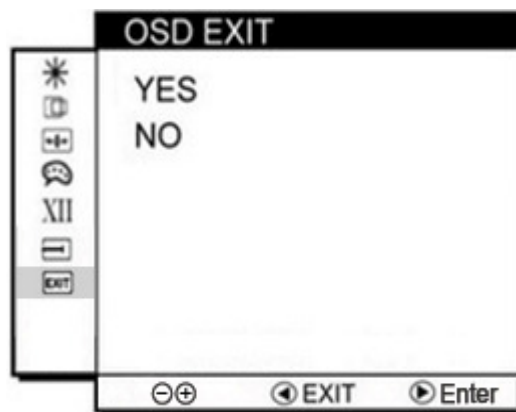
RECALL

RECALL is used to recall the original factory default setting by selecting “YES”. Select “NO” to return the main menu



OSD EXIT

You can quit the OSD menu by selecting “YES”. Select “NO” to return the main menu.



SUMMARY

	BRICONT RAST	BRIGHTNESS CONTRAST	XII	GAMMA	GAMMA 0 GAMMA 1 GAMMA 2 GAMMA 3
	POSITION	H-POSITION V-POSITION		RECALL	YES NO
	IMAGE	AUTO CLOCK PHASE WHITE BALANCE		OSD EXIT	YES NO
	COLOR	USER (RED/GREEN/BLUE) 9300K 6500K ADC BRIGHTNESS			