Digital Writing Pad
Intuitive and interactive Learning Experience
NXBoard professional
User Manual
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Digital Writing Pad User Manual
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
- Stylus
- User manual
- Adapter & Complex Cable
- NXBoard Software & Driver CD
- 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+ Q**  to call on screen display menu

**F1+ Q**  to call brightness adjusting bar

**F2+ Q**  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

- **Step 1** Connect the HDMI connector of Digital Writing Pad with the complex cable’s HDMI port.
- **Step 2** Plug in one side of the VGA cable in the laptop VGA port and the other side to the VGA splitter*.
- **Step 3** Plug the USB of complex cable in the laptop USB port.
- **Step 4** Plug the VGA connector of complex cable in the VGA splitter.
- **Step 5** Plug the projector’s VGA cable in the VGA splitter.
- **Step 6** 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

<table>
<thead>
<tr>
<th>Section</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor</td>
<td>Pentium 4 or similar, 2GHz</td>
</tr>
<tr>
<td>Memory</td>
<td>1GByte</td>
</tr>
<tr>
<td>DirectX</td>
<td>V9.0c or higher</td>
</tr>
<tr>
<td>Recommended</td>
<td>1024x600@ 60 Hz</td>
</tr>
<tr>
<td>resolution</td>
<td></td>
</tr>
<tr>
<td>Web browser</td>
<td>Internet Explorer, Firefox</td>
</tr>
<tr>
<td>Video Device</td>
<td>Supported Direct X 8.1 and higher VGA Graphic Card</td>
</tr>
<tr>
<td>Audio Device</td>
<td>Build-in Audio Chipset and Audio Speaker</td>
</tr>
</tbody>
</table>

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

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

E. Select “Custom” and “Next” to proceed.

F. Select “Next” to proceed.

G. Select “Install” to install the software.

H. 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.
Select “Next” to proceed.

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

Select “Next” to proceed.

Select “Next” to proceed.

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

<table>
<thead>
<tr>
<th>Mode</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktop</td>
<td>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.</td>
</tr>
<tr>
<td>Click Through</td>
<td>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.</td>
</tr>
<tr>
<td>Feature</td>
<td>Description</td>
</tr>
<tr>
<td>------------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>Whiteboard mode</strong></td>
<td>Switch between Whiteboard mode and transparent desktop mode.</td>
</tr>
<tr>
<td><strong>Cut</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Zoom in/out</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Spot Light</strong></td>
<td>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</td>
</tr>
<tr>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td><img src="image1.png" alt="Image" /></td>
<td><img src="image2.png" alt="Image" /></td>
</tr>
<tr>
<td><img src="image3.png" alt="Image" /></td>
<td><img src="image4.png" alt="Image" /></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Screen Shade</strong></th>
<th>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 and vertical shades are available. During the screen shade mode, a pop-up menu appears for further options.</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image5.png" alt="Image" /></td>
<td><img src="image6.png" alt="Image" /></td>
</tr>
<tr>
<td><img src="image7.png" alt="Image" /></td>
<td><img src="image8.png" alt="Image" /></td>
</tr>
<tr>
<td>Shapes</td>
<td>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. <strong>Gallery:</strong> Here are shown the objects that can be placed on the whiteboard such as images, geometric shapes, symbols etc. <strong>Backgrounds:</strong> Here are shown the backgrounds for the whiteboard, such as backgrounds for mathematics, language, map etc. <strong>Attachment:</strong> 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.</td>
</tr>
<tr>
<td>Print</td>
<td>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. <img src="image" alt="Print Menu" /></td>
</tr>
<tr>
<td>Section</td>
<td>Description</td>
</tr>
<tr>
<td>---------</td>
<td>-------------</td>
</tr>
<tr>
<td>Camera</td>
<td>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”.</td>
</tr>
<tr>
<td>Wizard</td>
<td>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.</td>
</tr>
<tr>
<td>Record</td>
<td>If you click the Record icon, you can make a recording of the NXBoard session. The 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.</td>
</tr>
</tbody>
</table>
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.

Close

Stop this NXBoard session, close the application.

Previous Page [PgUp]

Go back to previous page.
<table>
<thead>
<tr>
<th>Button</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Next Page [PgDn]</td>
<td>Continue to next page.</td>
</tr>
<tr>
<td>Redo [Ctrl+Y]</td>
<td>Redo the last step</td>
</tr>
<tr>
<td>Recycle Bin</td>
<td>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.</td>
</tr>
<tr>
<td>Switch</td>
<td>Click icon, can switch the column A to column B.</td>
</tr>
</tbody>
</table>
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.
<table>
<thead>
<tr>
<th>Tool</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pen</td>
<td>This tool supports pen for white board. You can change the format, color, and thickness of the pen.</td>
</tr>
<tr>
<td>Fluorescent Pen</td>
<td>This tool supports pen to highlight text content. You can change format, color, and thickness of the pen by clicking quick setting tool bar.</td>
</tr>
<tr>
<td>Creativity Pen</td>
<td>This tool supports brushes which can draw some creative icons on the whiteboard. You can change color, format, and thickness of the pen.</td>
</tr>
<tr>
<td>Selection</td>
<td>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:</td>
</tr>
</tbody>
</table>

- **Rotate an object**
- **Operate on an object**
- **Dimension of an object**

Click (Rotate an object)●, it can rotate the item; Click(Dimension on an object)●, it can enlarge or narrow the item.
<table>
<thead>
<tr>
<th><strong>Freehand Shape</strong></th>
<th>This tool supports user to transfer the handmade shape into the real one, which like cycle, oval, triangle, and etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Line</strong></td>
<td>This tool can draw the straight line.</td>
</tr>
<tr>
<td><strong>Polygon Tool</strong></td>
<td>By clicking the icon, the toolbar will be transformed into polygon tool, which supports any geometric figure, and change the color, format and thickness.</td>
</tr>
</tbody>
</table>
4. Definitions of On Screen Display Control Key

4-1 Key Pad Hot Key Function

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>F2 +</td>
<td>Call main OSD menu</td>
</tr>
<tr>
<td>F1 +</td>
<td>Call bright adjusting menu</td>
</tr>
<tr>
<td>F2 +</td>
<td>Turn on/off the Digital Writing Pad</td>
</tr>
</tbody>
</table>

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.

![OSD EXIT](image)

### SUMMARY

<table>
<thead>
<tr>
<th>BRICONT</th>
<th>BRIGHTNESS</th>
<th>CONTRAST</th>
<th>GAMMA</th>
<th>GAMMA 0</th>
<th>GAMMA 1</th>
<th>GAMMA 2</th>
<th>GAMMA 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAST</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>POSITION</th>
<th>H-POSITION</th>
<th>V-POSITION</th>
<th>RECALL</th>
<th>YES</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IMAGE</th>
<th>AUTO CLOCK</th>
<th>PHASE</th>
<th>WHITE BALANCE</th>
<th>OSD EXIT</th>
<th>YES</th>
<th>NO</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>COLOR</th>
<th>USER(RED/GREEN/BLUE)</th>
<th>9300K</th>
<th>6500K</th>
<th>ADC BRIGHTNESS</th>
</tr>
</thead>
</table>