



# ADP-1XX0A

## 5.6", 7", 8", 10.1", and 12.1" Color TFT Industrial Display Monitor

## **User Manual**

Release Date		Revision
Dec. 2016		V1.2
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# **Revision History**

Reversion	Date	Description
1.0	2016/07/20	Official Version
1.1	2016/10/04	Add 10.1" and 12.1" Display
1.2	2016/12/27	Add 7" Display

## Warning!\_

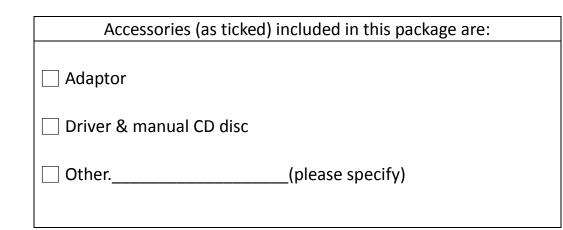
This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions manual, it may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.

Electric Shock Hazard – Do not operate the machine with its back cover removed. There are dangerous high voltages inside.

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## **Packing List**



## **Safety Precautions**

Follow the messages below to prevent your systems from damage:

- Avoid your system from static electricity on all occasions.
- Prevent electric shock. Don't touch any components of this card when the card is power-on. Always disconnect power when the system is not in use.
- Disconnect power when you change any hardware devices. For instance, when you connect a jumper or install any cards, a surge of power may damage the electronic components or the whole system.

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# Chapter 1\_\_\_\_\_Getting Started

## **1.1 Features**

- 5.6"/7"/8"/10.1"/12.1" TFT Backlight Color LCD
- Plastic housing
- Resistive Touch Screen/Projected Capacitive Touch (Projected Capacitive Touch is not available for 5.6" display)
- Wide-ranging 9~36V DC Power Input

## **1.2 Specifications**

Model Specs	ADP-1050A	ADP-1070A	ADP-1080A	ADP-1100A	ADP-1120A
IO Port					
VGA			1		
DVI			1		
RCA	None			tion	
	None	1 v	USB for touch cont		
Touch			2 for touch control		
Audio			L x Line in (optional		
		-		)	
OSD Control		OSD	keypad on the rear	· side	
Membrane					
Power		1 x 3-p	pin TB for DC 9~36	/ Input	
LCD					
Display Type	5.6" TFT LCD	7" TFT LCD	8" TFT LCD	10.1" TFT LCD	12.1" TFT LCD
Max. Resolution	640 x 480	800 x 480	800 x 600	1024 x 600	800 x 600
Max. Color	262K	262K	262K	262K	16.2M
Contrast Ratio	500: 1	400: 1	500: 1	500: 1	800: 1
Luminance(cd/m <sup>2</sup> )	350	350	350	250	450
Viewing Angle	140(H) / 120(V)	140(H) / 110(V)	140(H) / 135(V)	140(H) / 120(V)	160(H) / 140(V)
Backlight Lifetime	20,000 hrs	40,000 hrs	40,000 hrs	15,000 hrs	50,000 hrs
Power					
Power Input		-	DC 9~36V		
Power	MAX: 5W	MAX: 5.4W	MAX: 5W	MAX: 3.8W	MAX: 8.5W
Consumption		(1070AT)	(1080AT)	(1100AT)	(1120AT)

		1	1		
		MAX: 3.9W	MAX: TBD	MAX: 3.6W	MAX: 8.5W
		(1070AP)	(1080AP)	(1100AP)	(1120AP)
Touch Screen – Resi	stive Touch Windo	w			
Interface		USB	Default / RS-232 op	otion	
Light Transmission			Over 80%		
Touch Screen – Proj	ected capacitive T	ouch (Not Availabl	e for ADP-1050A)		
Interface			USB		
Light Transmission			Over 90%		
Mechanical Specific	ations				
Front Panel		Plast	ic Housing/Panel M	ount	
Rear Panel		VESA Mount 75 x 75 VESA Mount 100 x 100			
Chassis Color	Pantone Cool Gray 11C				
IP Rating			Front Panel IP65		
Dimensions	204 x 150 x	204 x 150 x	231.1 x 176.1 x	285 x 189 x	319 x 245
Dimensions	42.5 mm	42.5 mm	45 mm	49.6 mm	x 51 mm
Net Weight	0.8 Kg	0.8 Kg	1 Kg	1.3 Kg	2 Kg
<b>Environmental Spec</b>	ifications				
Operating			<b>0~50</b> ℃		
Temperature					
Storage	-20~60°C				
Temperature					
Storage Humidity		10~90%	a@40℃ (non-conc	lensing)	
Certificate			CE / FCC Class A		

## **1.3** Dimensions

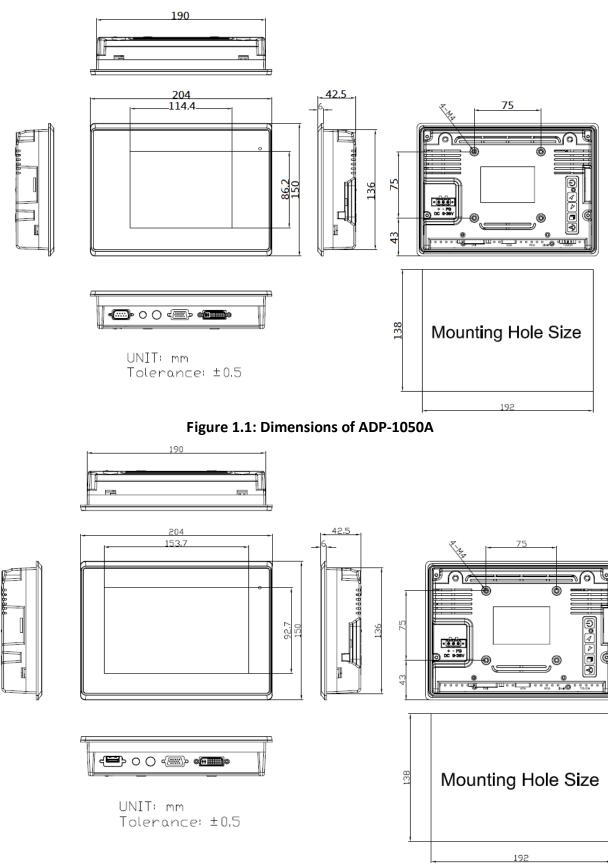
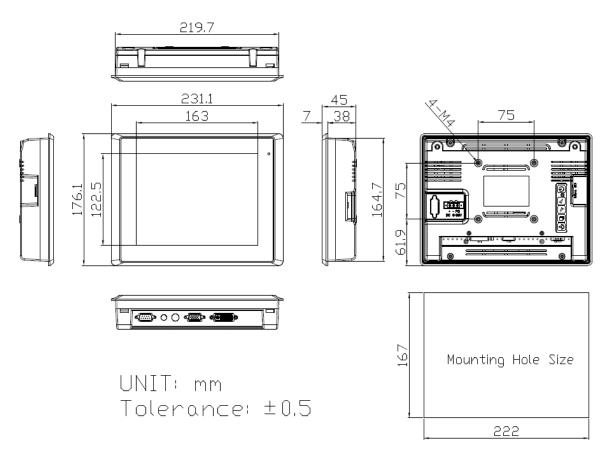


Figure 1.2: Dimensions of ADP-1070A





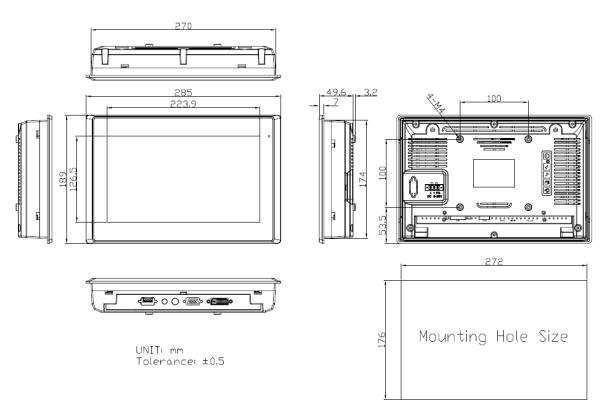


Figure 1.4: Dimensions of ADP-1100A

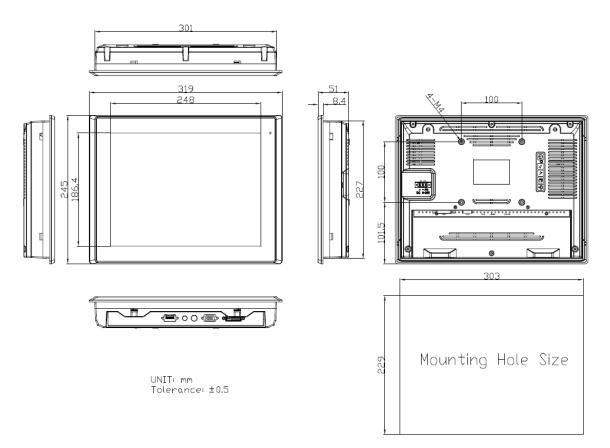


Figure 1.5: Dimensions of ADP-1120A

## 1.4 Brief Description of the ADP-1XX0A

ADP-1XX0A is a IP65 waterproof front bezel designed plastic housing industrial display, which comes with a 5.6", 7", 8", 10.1", and 12.1" color LCD. The model can be resistive touch screen designed, and also can be projected capacitive touch screen designed for option (not available for 5.6" display). ADP-1XX0A supports wide-ranging 9~36V DC power input, VGA, and DVI input. They all can be VESA 75 x 75 mounted or 100 x 100 mounted. Furthermore, there is OSD keypad on the rear side of the model, and the model is pantone cool gray 11C color designed. The models have more outstanding features, thus giving the best in monitoring and control application.



Figure 1.6: Front View of ADP-1050A



Figure 1.7: Rear View of ADP-1050A



Figure 1.8: Front View of ADP-1070A



Figure 1.9: Rear View of ADP-1070A



Figure 1.10: Front View of ADP-1080A



Figure 1.11: Rear View of ADP-1080A



Figure 1.12: Front View of ADP-1100A



Figure 1.13: Rear View of ADP-1100A

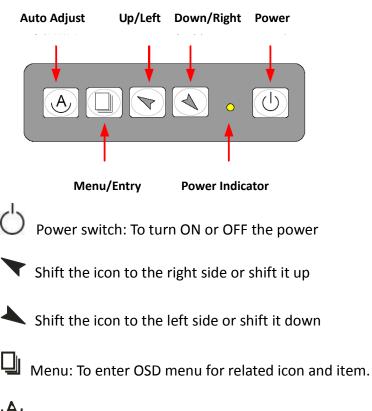


Figure 1.14: Front View of ADP-1120A



Figure 1.15: Front View of ADP-1120A

## 2.1 Front Panel OSD Functions



Auto Button: One-touch auto adjustment

Cable Not Connected

#### 1.) Getting into Burn-in Mode

Before setting into a burn-in mode, first disconnect the AC power cord. Then press (don't let them go) the T let buttons until the AC power cord is connected and the "RGB" appears on the top left corner of your screen. Now it can be put into the burn-in mode for changing colors.

#### 2.) Getting Out of Burn-in Mode

Before getting out of the burn-in mode, please first disconnect the AC power cord. Then press the  $\checkmark$  button (If not workable, press the  $\checkmark$  button and don't let them go) until the AC power cord is connected. Please don't let your fingers go until the AC power cord is connected again and the wording of "RGB" appears on the top left corner of your screen, and wait for 3 seconds. Under the non-signal entry

situation, if

is seen, exit is thus successfully made.

#### When the Burn-in Mode is Unable to Eradicate...

- If the "RGB" is still on the top left corner of the screen, press up to enter
   "Miscellaneous" and choose "Reset", and then Yes, and press up. When the screen goes black, disconnect power and repeat the above steps.
- If the "RGB" is not found, disconnect the AC power cord first. Then press the buttons (don't let them go) until the AC power cord is connected, and wait for 2 to 3 seconds. When "RGB" appears, repeat the above steps.

#### 2.2 OSD Controls

To make any adjustment, select the following:

- 1. Press 🖵 (Menu) to show the OSD menu or disable the OSD menu.
- 2. Select the icon that you wish to adjust with the ( $\checkmark$ / $\checkmark$  or +/-) key in the menu.
- 3. Press  $\square$  (Menu) and then choose the item with the (  $\checkmark/\checkmark$  or +/-) key.
- 4. Press  $\Box$  (Menu) and then adjust the quality with the ( $\checkmark/\checkmark$  or +/-) key.

## 2.3 Main Menu



In the Main menu, there are the following items:

- Color
- Image Setting
- Position
- OSD Menu
- Language
- Misc.
- Exit



#### For **Color**, check out the following:

- Contrast
- Brightness
- Color Adjust
- Color Temp
- Back



For **Image setting**, check out the following:

- Clock
- Phase
- Gamma
- Sharpness
- Back



In the **Positio**n, there are the following:

- H. Position
- V. Position
- Back





In the **OSD** menu, there are:

- OSD H. Pos.
- OSD V. Pos.
- OSD Timer
- Back

In the **Language** menu, there are:

- English
- Frances
- Germany
- Spanish
- Traditional Chinese
- Simplified Chinese
- Japanese



In the **Misc** menu, there are:

- Signal Source
- Select VGA: Analogue VGA Input
- Select DVI: Digital DVI-D Input
- Select AV: Composite Video Input
- Select SV: S-Video Video Input
- Reset
- Back

# Chapter 3\_\_\_\_\_

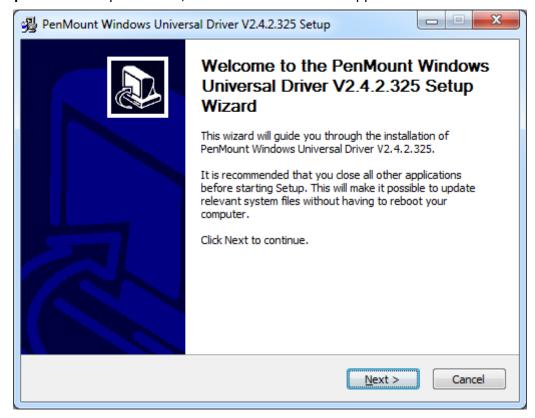
## **3.1 Windows 7 Universal Driver Installation for**

## PenMount 6000 series

Before installing the Windows 7 driver software, you must have the Windows 7 system installed and running on your computer. You must also have one of the following PenMount 6000 series controller or control boards installed: PM6500, PM6300.

## 3.1.1 Installing Software(Resistive Touch)

If you have an older version of the PenMount Windows 7 driver installed in your system, please remove it first. Follow the steps below to install the PenMount DMC6000 Windows 7 driver.



**Step 1.** Insert the product CD, the screen below would appear. Click **Next** to continue.

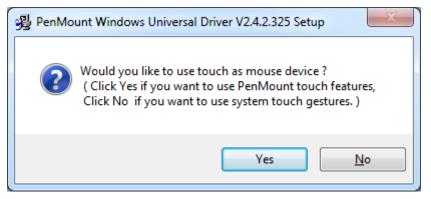
**Step 2.** Read the license agreement. Click **I Agree** to agree the license agreement.

PenMount Windows Universal Driver V2.4.2.325 Setup					
License Agreement Please review the license terms before installing PenMount Windows Universal Driver V2.4.2.325.					
Press Page Down to see the rest of the agreement.					
PLEASE READ THE LICENSE AGREEMENT					
PenMount touch screen driver software is only for using with PenMount touch screen controller or control board. Any person or company using a PenMount driver on any piece of equipment which does not utilize an PenMount touch screen controller will be prosecuted to the full extent of the law.					
If you accept the terms of the agreement, click I Agree to continue. You must accept the agreement to install PenMount Windows Universal Driver V2.4.2.325.					
Nullsoft Install System v2,46					

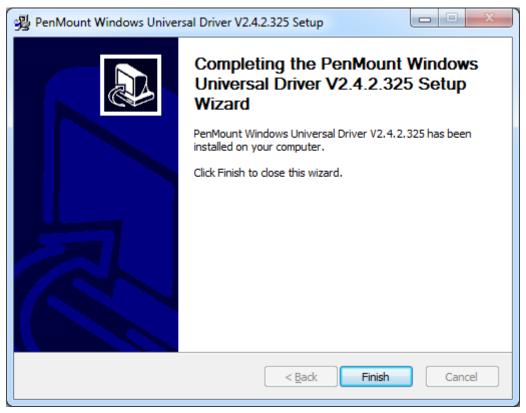
**Step 3.** Choose the folder in which to install PenMount Windows Universal Driver. Click **Install** to start the installation.

PenMount Windows Universal Driver V2.4.2.325 Setup
Choose Install Location Choose the folder in which to install PenMount Windows Universal Driver V2.4.2.325.
Setup will install PenMount Windows Universal Driver V2.4.2.325 in the following folder. To install in a different folder, dick Browse and select another folder. Click Install to start the installation.
Destination Folder           C:\Program Files (x86)\PenMount Windows Universal Driver         Browse
Space required: 0.0KB Space available: 136.8GB
Nullsoft Install System v2.46

Step 4. Click Yes to continue.

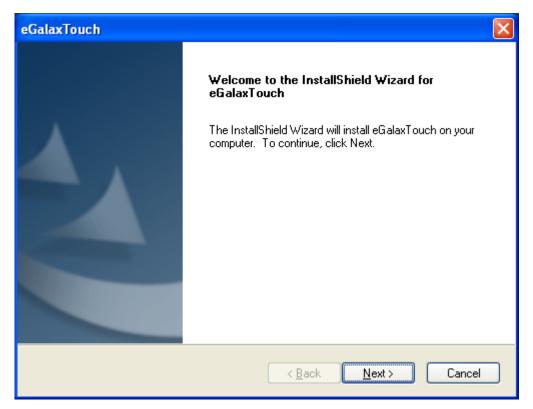


#### Step 5. Click Finish to complete installation.



#### 3.1.2 Installing Software (Projected Capacitive)

Step 1. Insert the product CD, the screen below would appear. Click Next to continue.



Step 2. Select I accept the terms of the license agreement. Click Next.

eGalaxTouch	x
License Agreement Please read the following license agreement carefully.	
Declaration and Disclaimer	<b>^</b>
The programs, including but not limited to software and/or firmware (hereinafter referred to "Programs" or "PROGRAMS"), are owned by eGalax_eMPIA Technology Inc. (hereinafter referred to EETI) and are compiled from EETI Source code. EETI hereby grants to licensee a personal, non-exclusive, non-transferable license to copy, use and create derivative works of Programs for the sole purpose in conjunction with an EETI Product, including but not limited to integrated circuit and/or controller. Any reproduction, copies, modification, translation, compilation, application, or representation of Programs except as specified above is prohibited without the express written permission by EETI. Disclaimer: EETI MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED,	4 III
I accept the terms of the license agreement <u>Print</u> I do not accept the terms of the license agreement	
InstallShield <u>Back</u> <u>N</u> ext > Can	cel

#### Step 3. Click Next to continue.

eGalaxTouch	×
Setup Type Select the setup type that best suits your needs.	
Extra PS/2 interface driver for eGalaxTouch controller. Please check the check box for PS/2 touch controller.	
Install PS/2 interface driver	
InstallShield	
< <u>B</u> ack <u>N</u> ext> Cancel	]

Step 4. Click Install RS232 interface driver.

eGalaxTouch
Setup Type
Select the setup type that best suits your needs.
Extra RS232 interface driver for eGalaxTouch controller. Please check the check box for RS232 touch controller.
Install RS232 interface driver
InstallShield
< <u>B</u> ack <u>N</u> ext > Cancel

#### Step 5. Select None. Click Next.

eGalaxTouch	×
Setup Type Select the setup type that best suits your need	ls.
Do 4 point calibration after system reboot	
C Every system boot up	
O Next system boot up	
⊙ None	
InstallShield	
n roculton inclui-	< <u>B</u> ack <u>N</u> ext > Cancel

#### Step 6. Click OK.

eGalax	eGalaxTouch - InstallShield Wizard 🛛 🔀		
(į)	If you are trying to install the USB touch device, please make sure that your touch monitor or touch controller's USB cable is plugged into the computer now. Please close the "Found New Hardware Wizard" dialog when it appears.		
	ОК		

#### Step 7. Click Support Muti-Monitor System. Click Next.

eGalaxTouch	×
Setup Type Select the setup type that best suits your needs.	
If you want to use Multi-Monitor, please check the box.	
Support Multi-Monitor System	
InstallShield	)

Step 8. Go to C:\Program Files\eGalaxTouch. Click Next.

eGalaxTouch	×
Choose Destination Location Select folder where setup will install files.	
Setup will install eGalaxTouch in the following folder. To install to this folder, click Next. To install to a different folder, click Browse and select another folder.	
Destination Folder C:\Program Files\eGalaxTouch InstallShield	
< <u>Back</u> <u>Next</u> > Cancel	

#### Step 9. Click Next.

eGalaxTouch	×
Select Program Folder	
Please select a program folder.	
Setup will add program icons to the Program Folder listed below. You may type a new folder name, or select one from the existing folders list. Click Next to continue.	
Program Folder:	
eGalaxTouch	
Existing Folders:	
Accessories Administrative Tools	
Games	
Startup	
InstallShield	
< <u>B</u> ack <u>N</u> ext > Cancel	

**Step 10.** Click **Create a eGalaxTouch Utility shortcut on desktop**. Click **Next**.

eGalaxTouch	×
Setup Type Select the setup type that best suits your needs.	
Select the features you want to install, and deselect the features you do not want to install. Click Next to continue.	
Create a eGalaxTouch Utility shortcut on desktop	
InstallShield	
< <u>B</u> ack <u>N</u> ext > Cancel	ן

Step 11. Wait for installation.

eGalaxTouch	
Setup Status	
eGalaxTouch is configuring your new software installation.	
C:\Program Files\eGalaxTouch\msvcrt.dll	
InstallShield	
	Cancel

Step 14. Click Yes to do 4 point calibration.

Questio	ı 🔀
2	The eGalaxTouch driver has been installed, before operating touch function, please do 4 point calibration. Would you do 4 point calibration now ?
	Yes No

## **3.2 Software Functions**

#### 3.2.1 Software Functions(Resistive Touch)

After i Upon rebooting, the computer automatically finds the new 6000 controller board. The touch screen is connected but not calibrated. Follow the procedures below to carry out calibration.

- 1. After installation, click the PenMount Monitor icon "PM" in the menu bar.
- 2. When the PenMount Control Panel appears, click "Calibrate".

#### PenMount Control Panel(Resistive Touch)

The functions of the PenMount Control Panel are **Calibrate**, **Multiple Monitors**, **Tools**, and **About**, which are explained in the following sections.

#### Device

In this window, you can find out that how many devices are detected on your system.

PenMount Control Panel	- 🗆 🗙
Device Multiple Monitors Tools About	
Select a device to configure.	
6	
PenMount 6000 USB	
Configure Refresh	
	ОК

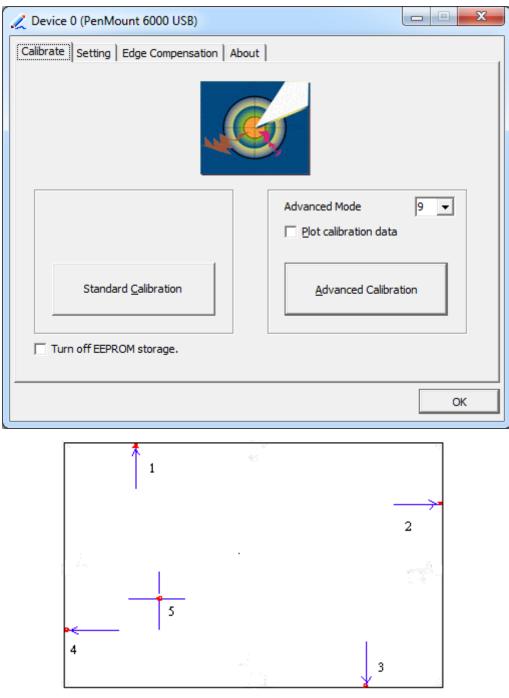
#### Calibrate

This function offers two ways to calibrate your touch screen. "Standard Calibration" adjusts most touch screens. "Advanced Calibration" adjusts aging touch screens.

Standard Calibration	Click this button and arrows appear pointing to red	
	squares. Use your finger or stylus to touch the red	
	squares in sequence. After the fifth red point calibration	
	is complete. To skip, press "ESC".	
Advanced Calibration	Advanced Calibration uses 4, 9, 16 or 25 points to	
	effectively calibrate touch panel linearity of aged touch	
	screens. Click this button and touch the red squares in	
	sequence with a stylus. To skip, press "ESC".	

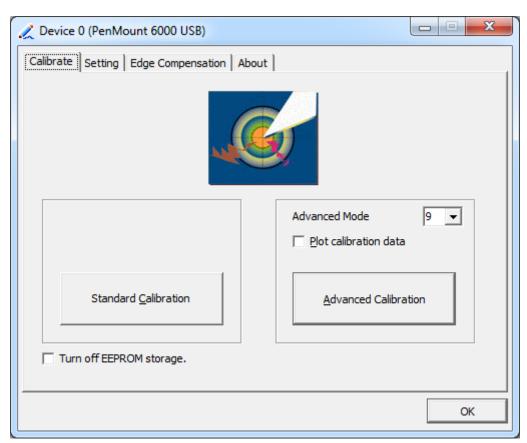
**Step 1.** Please select a device then click "Configure". You can also double click the device too.

PenMount Control Panel	
Device Multiple Monitors Tools About	
Select a device to configure.	
PenMount 6000 USB	
Configure Refresh	
	ок

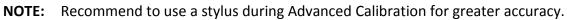


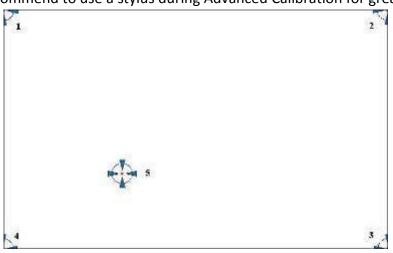


**NOTE:** The older the touch screen, the more Advanced Mode calibration points you need for an accurate calibration. Use a stylus during Advanced Calibration for greater accuracy. Please follow the step as below:



Step 3. Select Device to calibrate, then you can start to do Advanced Calibration.





Plot Calibration Data	Check this function and a touch panel linearity		
	comparison graph appears when you have finished		
	Advanced Calibration. The blue lines show linearity before		
	calibration and black lines show linearity after calibration.		
Turn off EEPROM	The function disable for calibration data to write in		
storage	Controller. The default setting is Enable.		

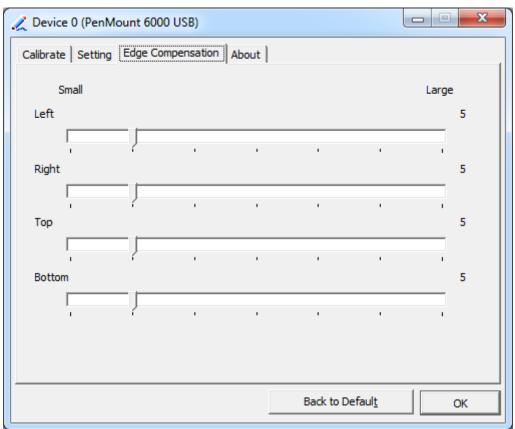
#### Setting

Z Device 0 (PenMount 6000 USE	3)	
Calibrate Setting Edge Compens	sation About	
Operation Mode	Mouse Emulation	
Beep Sound	Kind of Sound	Buzzer Beep 💌
Beep Mode © Beep on pen down	Beep Frequency	1000 Hz
C Beep on pen yp	Beep Duration	100 ms
C Beep on <u>b</u> oth		
Cursor Stabilizer	✓ Use press and hold as r	right dick
You can use Cursor Stabilizer to remove jitter of cursor.	Delay:	2.0 sec
	Area:	
	Back to I	Defaul <u>t</u> OK

Touch Mode	This mode enables and disables the mouse's ability to dra			
	on-screen icons – useful for configuring POS terminals.			
	Mouse Emulation – Select this mode and the mouse			
	functions as normal and allows dragging of icons.			
	Click on Touch – Select this mode and mouse only provides a			
	click function, and dragging is disables.			
Beep Sound	Enable Beep Sound – turns beep function on and off			
	Beep on Pen Down – beep occurs when pen comes down			
	Beep on Pen Up – beep occurs when pen is lifted up			
	Beep on both – beep occurs when comes down and lifted up			
	Beep Frequency – modifies sound frequency			
	Beep Duration – modifies sound duration			
Cursor Stabilizer	Enable the function support to prevent cursor shake.			
Use press and	You can set the time out and area for you need.			
hold as right click				

#### **Edge Compensation**

You can use Edge Compensation to calibrate more subtly.



#### About

This panel displays information about the PenMount controller and driver version.

🗶 Device 0 (PenMo	unt 6000 USB)		J	
Calibrate Setting Edge Compensation About				
	PenMount 6000 USB (10-bit)			
~	Driver Version	2.4.2		
	Firmware Version	6000.6.0.0		
	Firmware Config Data	2,36864,852,32,7,500,12		
		ОК		

#### **Multiple Monitors**

Multiple Monitors support from two to six touch screen displays for one system. The PenMount drivers for Windows 7 support Multiple Monitors. This function supports from two to six touch screen displays for one system. Each monitor requires its own PenMount touch screen control board, either installed inside the display or in a central unit. The PenMount control boards must be connected to the computer COM ports via the USB interface. Driver installation procedures are the same as for a single monitor. Multiple Monitors support the following modes:

> Windows Extends Monitor Function Matrox DualHead Multi-Screen Function nVidia nView Function

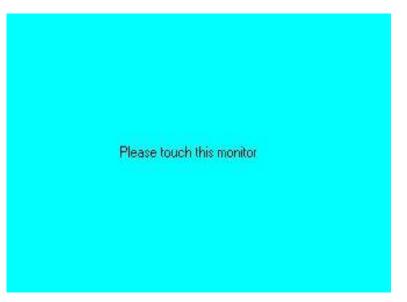
**NOTE:** The Multiple Monitor function is for use with multiple displays only. Do not use this function if you have only one touch screen display. Please note once you turn on this function the rotating function is disabled.

Enable the multiple display function as follows:

1. Check the **Multiple Monitor Support** box; then click **Map Touch Screens** to assign touch controllers to displays.

http://www.control Panel	
Device Multiple Monitors Tools About	
Multiple Monitor Support	
Map <u>T</u> ouch Screens	
	ОК

- 2. When the mapping screen message appears, click **OK**.
- 3. Touch each screen as it displays "Please touch this monitor". Following this sequence and touching each screen is called **mapping the touch screens**.



- 4. Touching all screens completes the mapping and the desktop reappears on the monitors.
- 5. Select a display and execute the "Calibration" function. A message to start calibration appears. Click **OK**.



- 6. "Touch this screen to start its calibration" appears on one of the screens. Touch the screen.
- 7. "Touch the red square" messages appear. Touch the red squares in sequence.
- 8. Continue calibration for each monitor by clicking **Standard Calibration** and touching the red squares.

### NOTES:

- If you use a single VGA output for multiple monitors, please do not use the Multiple Monitor function. Just follow the regular procedure for calibration on each of your desktop monitors.
- **2.** The Rotating function is disabled if you use the Multiple Monitor function.
- If you change the resolution of display or screen address, you have to redo Map
   Touch Screens, so the system understands where the displays are.

### Tools

Draw	Tests or demonstrates the PenMount touch screen operation.	
Right Button Icon	Enable right button function. The icon can show on Desktop	
	or System Tray (menu bar).	

PenMount Control Panel	
Device Multiple Monitors Tools	About
Draw	Test by drarwing on the touch screen
Right Button Icon	Show/Hide the icon for switching buttons
Double Click Speed Slow	Fast
	Back to DefaultOK

# About

This panel displays information about the PenMount controller and this driver version.

🐐 PenMount Control Pane	el	
Device   Multiple Monitors   Too	ols About	
Penmount Cor Version 1.0	ntrol Panel 1.0.35	
Installed Device(s)		
Device 0 (PenMount 6000	U3B)	
Support E-mail :	penmount@seed.net.tw	
Support Website :	http://www.penmount.com.tw	
		ОК

### PenMount Monitor Menu Icon

The PenMount monitor icon (PM) appears in the menu bar of Windows 7 system when you turn on the PenMount Monitor in the PenMount Utilities.



The PenMount Monitor has the following functions:



Control Panel	Open Control Panel Windows	
Веер	Setting Beep function for each device	
Right Button	When you select this function, a mouse icon appears in the right-bottom of the screen.	
	Click this icon to switch between Right and Left Button functions.	
Exit	Exits the PenMount Monitor function.	

# **Configuring the Rotation Function**

- **1.** Install the rotation software package.
- 2. Choose the rotating function (0°, 90°, 180°, 270°) in the 3<sup>rd</sup> party software. The calibration screen appears automatically. Touch this point and rotation is mapped.

Please touch	the point			

**NOTE:** The rotating function is disabled if you use Monitor Mapping

# 3.2.2 Software Functions(Projected Capacitive)

### General

In this window, you can see there is USB Controller. Click **OK** to continue.

😪 eGalaxTouch : USB Controller	×
General Setting Tools Display Hardware About	
Installed Touchscreen Controllers	
<u> </u>	-
USB Controller	
Monitor	
Mapping Add Remove	
OK Cancel A	pply

### **Monitor Mapping**

to adjust touch panel

Add

to search for device

# Setting

🖻 eGalaxTouch : USB Controller	$\mathbf{X}$
General Setting Tools Display Hardware About	
Beep       Frequency         Image: Beep On Touch       Image: Frequency         Image: Beep On Release       Image: Frequency         Image: Beep From System Beep       Duration         Image: Beep From Sound Card       Image: Frequency	
Linearization Style © 9 Points © 25 Points	
Double Click Time       Shorter<	
Double Click Area       Smaller<	
Normal Mode Option	
OK Cancel Apply	

### Веер

- Beep On Touch
- Beep On Release
- Beep From System Beep
- Beep From Sound Card

# Linearization Style

- 9 points
- 25 points

### **Double Click Time**

Shorter

Longer

#### **Double Click Area**

Smaller

Bigger

#### Normal mode

Simulate the mouse mode

Option	×
Option	
Function ✓ Enable Constant Touch ✓ Enable Auto Right Click ✓ Enable Touch ✓ Enable Cursor Stabilization Constant Touch Area	
Smaller<< >>Bigger	
Auto Right Click Time 1000 ms Shorter<<  >>Longer	
OK Cancel Apply	

### Option

Function Enable Constant Touch Enable Auto Right Click Enable Touch Enable Cursor Stabilization Constant Touch Area Auto Right Click Time

### Tools

Click **OK** to continue the settings.

🖻 eGalaxTouch : USB Controller 🛛 🔀					
Ge	General Setting Tools Display Hardware About				
	Linearization Curve				
	4 Points Calibration				
	Clear and Calibrate Clear linearization parameter and do 4 points alignment.				
	Linearization Do 9 points linearization for better touchscreen linearity.				
	Do draw test to verify the touch accuracy.				
OK Cancel <u>A</u> pply					

#### **4** Points Calibration

Do 4 points alignment to match display.

### **Clear and Calibrate**

Clear linearization parameter and do 4 points alignment.

#### Linearization

Do 9 points linearization for better touchscreen linearity.

### **Draw Test**

Do draw test to verify the touch accuracy.

# Display

In this window, it shows the mode of display.

🖻 eGalaxTouch : USB Controller	×
General Setting Tools Display Hardware About	
Display	
Double click on the monitor area to map the touchscreen to the display monitor. I Enable Multiple Monitors.	
🧮 Map to main display if system has only one display monitor.	
Operation Mode	
Full Screen     C Lower Screen     C Left Screen	
C Upper Screen C Right Screen Other	1
OK Cancel Apply	

Enable Multiple Monitors.

Map to main display if system has only one display monitor

Full Screen Lower Screen Left Screen Upper Screen Right Screen

Other		
Other Active Area		
Other		
C Quarter 1	C Quarter 3	C Customized
C Quarter 2	C Quarter 4	
└── Customized Area800 × 4	80	
Left 0	Тор	
Right 800	Bottom 480	
Drag W	/orking Area	
	OK	Cancel Apply

# Other

Other mode of display. Quarter1~4 and Customized area.

Other		
Other Active Area		1
Active Area		
🔲 Enable The Active Area	a Function.	
Active Area List	Left 0	Тор 0
1	Right 0	Bottom 0
Drag Active Are	a	
	ОК	Cancel Apply

### **Active Area**

Drag active area to enable Active Area Function.

# Hardware

🖻 eGalaxTouch : USB Controller 🛛 🔀			
General Setting Tools Display Hardware About			
Controller Model PCAP7200 Series			
Firmware Version 1030			
Hardware Calibration			
OK Cancel Apply			

Saturn Hardware Configuration

Saturn - Hardware Configuration			
Saturn			
Saturn - Hardware Configuration			
Sensitivity 128			
Delay Time     800 us       Shorter<			
Reset all of the control parameters to factory default setting.			
OK Cance	»		

# About

To display information about eGalaxTouch and its version.

ବ eGalaxTouch : L	JSB Controller	×		
General Setting To	ools Display Hardware About			
	Touch Screen Utility			
	Copyright (C) 2000-2011			
eGalaxTouch	eGalax_eMPIA_TechnologyInc.			
	Version 5.11.0.9126			
	We provide a full range of controllers for			
The resistive contr through RS232, P	roller communicates with the PC system directly S/2 or USB port.			
The design is optimized for an accurate, sensitive and quick touch				
performance as well as an ease of use interface.				
The driver supports a set of operating systems, i.e. Windows(R) 2000 / Windows(R) XP , Windows Vista(R), Wind				
<				
	OK Cancel Apply			