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## ADP-1XX8P Display User Manual

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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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### OSD

**Getting Started** 

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# Chapter 1\_\_\_\_

### 1.1 Features

- Flat Panel Design
- Aluminum front Bezel and Steel Chassis
- Projected Capacitive Touch
- OSD Keypad Control at rear side, front side for option
- Wide Range 11~32V DC Power Input

### **1.2 Specifications**

	Display				
Model No.	ADP-1158P ADP-1198P				
Display	15" 1024x768 color TFT LCD 19" 1280x1024 color TFT LCD				
Luminance	400 nits	350 nits 1000 nits(optional)			
Touch point feature	2 finge	ers touch			
Viewing Angle	H: 160 / V: 145	H: 170 / V: 160			
Resolution	1024x768	1280x1024			
Backlight	50,0	00 hrs			
Lifetime					
Touch Screen	Projected C	apacitive touch			
Light Transmission	ç	0%			
OSD	On rear side defau	t, on front side optional			
Power Input	11~32V/DC				
Outside I/O port	VGA X1				
	DVI X1				
	AV X1				
	S-Video X1				
	3 pins Terminal block power input				
	1XUSB for touch				
	Environment				
Model No.	ADP-1158P	ADP-1198P			
Operating	-20~60°C	0~50°C			
Temperature					
Storage	-20~70°C -20~60°C				
Temperature					
Storage Humidity	10~90% @40°C non-condensing				
Vibration	1G peak, 5~500Hz (at random)				
Certifications	CE/FCC Class A				
Shock	15G peak acceleration (11msec. duration)/operation				
ADP-1XX8P User Manual					

ADP-1XX8P User Manual

Mechanical				
Model No.	ADP-1158P	ADP-1198P		
Construction	Aluminum Sliver front/Steel Black Back			
Dimensions	410x333.6x42	484x416.07x42		
IP Rating	Front Panel IP65			
Mounting	Panel Mount / VESA Mount 75x75	Panel Mount / VESA Mount 100x100		

### **1.3 Dimensions**

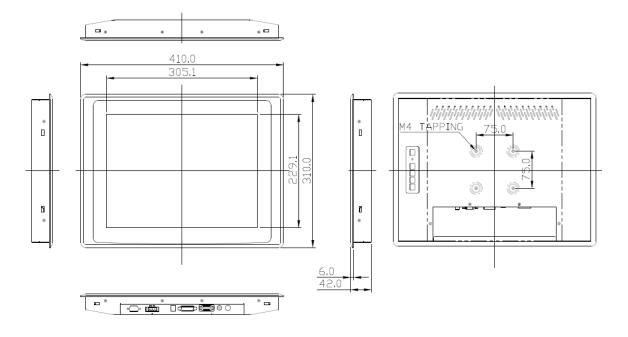


Figure 1.1: Dimensions of rear side OSD ADP-1158P

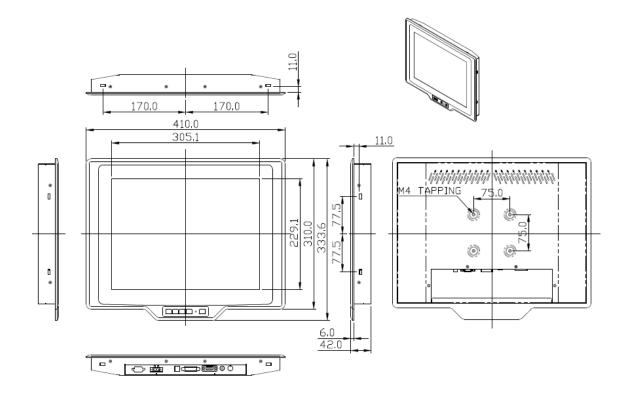


Figure 1.2: Dimensions of front side OSD ADP-1158P

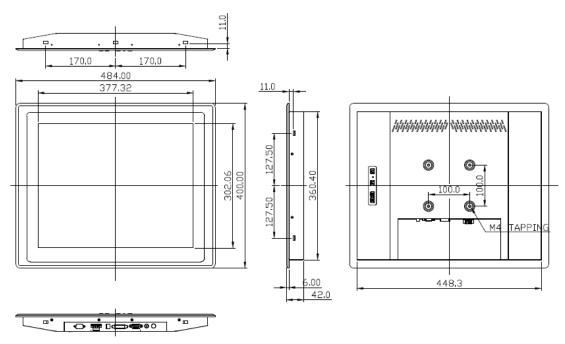


Figure 1.3: Dimensions of rear side OSD ADP-1198P

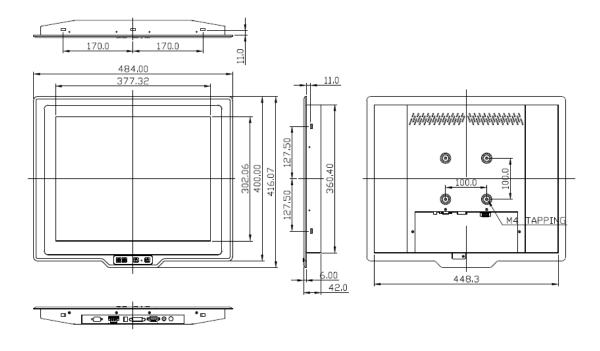


Figure 1.4: Dimensions of front side OSD ADP-1198P

### 1.4 Brief Description of ADP-1xx8P

ADP-1XX8P is a TFT LCD monitor and more outstanding features, thus giving you the best in monitoring and control applications. The front panel of the display monitor is sealed with IP 65 rating when it is panel-mounted in a NEMA rated cabinet or enclosure. It can also be VESA 75-mounted for ADP-1158P or VESA 100-mounted for ADP-1198P. It is to be equipped with a projected capacitive touch screen.



Figure 1.5: Front View of ADP-1XX8P

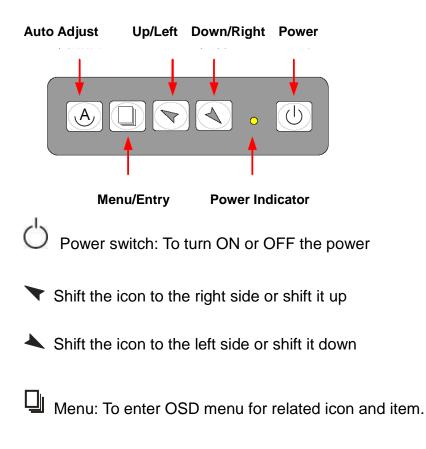


Figure 1.6: Rear View of ADP-1XX8P

## 1.5 Display Mode

Display Mode		Hori. Sync (KHz)	Vert. Sync. (Hz)
		31	60
V	GA 640 x 480	38	72
		38	75
		35	56
S	/GA 800 x 600	38	60
		48	72
		47	75
		48	60
XC	GA 1024 x 768	56	70
		60	75
	1152 x 864	68	75
SXGA	4000 4004	64	60
	1280 x 1024	80	75
Full HD 1920 x 1080		75	60

### 2.1 Front Panel OSD Functions



Auto Button: One-touch auto adjustment

#### 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 the 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 button (If not workable, press the 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 **Cable Not Connected** is seen, exit is thus successfully made.

### 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  $\square$  (Menu) and then adjust the quality with the ( $\checkmark$ / $\checkmark$  or +/-) key.
- 1.) 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 **D**. 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 A 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.
- 3.) Functions of OSD Keys

### 2.3 Main Menu





	Ver 1.3
	Clock
	Phase
20	Gamma
	Sharpness Back
-	

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

### 2.4 AD Board (VA-3600) OSD Functions

#### 2.) 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 the 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

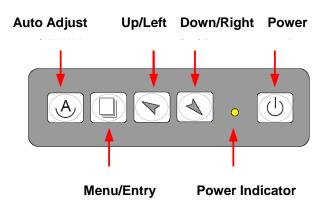
Before getting out of the burn-in mode, please first disconnect the AC power cord. Then press the button (If not workable, press the button and don't let them go) until the AC power cord is connected. Please don't let your fingers go until the AC power cord is connected again and the wording of "RGB" appears on the top left corner of your screen, and wait for 3 second. Under the non-signal entry situation, if **Cable Not Connected** is seen, exit is thus successfully made.

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

4.) If the "RGB" is still on the top left corner of the screen, press  $\square$  to enter "Miscellaneous" and

choose "Reset", and then **Yes**, and press **U**. When the screen goes black, disconnect power and repeat the above steps.

- 5.) If the "RGB" is not found, disconnect the AC power cord first. Then press the A 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.
- 6.) Functions of OSD Keys



### 3.1 Introduction to Control Board

This chapter describes how to install drivers and other software that will allow your Touch Screen Controller Board to work with different operating systems. eGalaxy touch panel control board is a touch screen control board designed for USB interface and specific for touch screens. It is designed with USB interface features with multiple devices supporting function. It is designed for Projected Capacitive Touch Panel (PCAP) application; through glass touch sensing is ready for products that require a complete flat surface. It also can drive the touch panel to get two fingers touch function that based on the Windows 7 support.



Figure 3.1: Bird's Eye View of control board

### **3.2 Installation of Control Board**

Before installing the Windows 2000/XP driver software, you must have the Windows 2000/XP system installed and running on your computer.

### 4.1 Windows 2000/XP Driver Installation for eGalaxy Control

### Board

Before installing the Windows 2000/XP driver software, you must have the Windows 2000/XP system installed and running on your computer. You must also have eGalaxy Interface controller board installed.

Follow the steps below to install eGalaxy Windows 2000/XP driver.

Step 1. Insert the CD-ROM. Go to Driver folder. Click Driver.

Name	Date modified	Туре	Size
Files Currently on the Disc (2) –			
\mu Driver	2010/2/1 15:49	File folder	
퉬 Manual	2010/2/1 15:49	File folder	

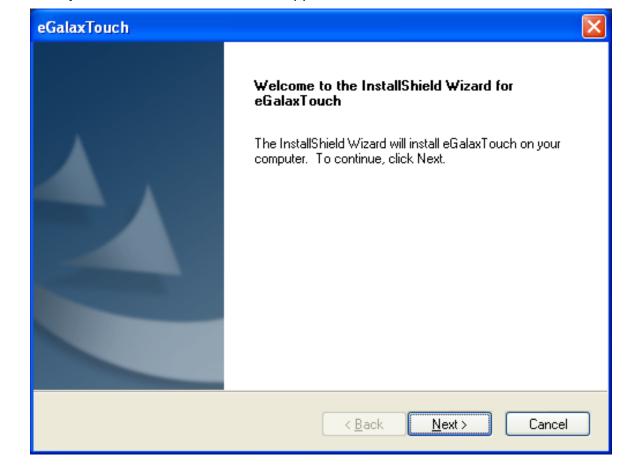
Step 2. There is eGalaxTouch, double click the folder.

Name	Date modified	Туре	Size	
<ul> <li>Files Currently on the Disc (1)</li> </ul>				
eGalaxTouch_7_Vista_XP_2K_5.11.0.9126	2011/12/7 11:22	File folder		]

Step 3. Click setup.

Organize 👻 🔲 Open Share with 💌	New folder			≡ - 60 (
Favorites	Name	Date modified	Туре	Size
	📔 global	1/15/2013 2:39 PM	File folder	
🔚 Libraries	📕 x64	1/15/2013 2:39 PM	File folder	
	₩ x86	1/15/2013 2:39 PM	File folder	
🖳 Computer	Setup.dll	5/17/2006 12:21 PM	Application extens	161 KB
	data1	5/26/2011 1:22 PM	Cabinet File	563 KB
👽 Network	data1.hdr	5/26/2011 1:22 PM	HDR File	13 KB
	🗄 data2	5/26/2011 1:22 PM	Cabinet File	1 KB
eGalaxTouch_7_Vista_XP_2K_5.11.0.9126	🚳 ISSetup.dll	5/26/2011 1:22 PM	Application extens	540 KB
	📄 layout.bin	5/26/2011 1:22 PM	BIN File	2 KB
	S2setup	6/4/2007 11:13 AM	Windows Batch File	1 KB
	PS2setup.iss	4/25/2007 3:25 PM	ISS File	2 KB
	🛃 setup	5/24/2006 1:10 PM	Application	445 KB
	😰 setup	7/15/2009 5:14 PM	Configuration sett	1 KB
	setup.inx	5/24/2011 5:44 PM	INX File	272 KB
	setup.isn	4/9/2007 5:17 PM	ISN File	284 KB
	setup.iss	12/24/2009 7:15 PM	ISS File	2 KB
	📄 setup	12/2/2008 7:36 PM	Text Document	1 KB
	TouchKit.xpo	10/6/2008 4:13 PM	XPO File	272 KB

### 4.2 Configuring eGalaxTouch Windows 2000/XP Driver



After click setup, InstallShield Wizard screen appears click Next to continue.

Step 1. Tick Install RS232 interface driver. Then click Next.

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 2. Select None. Then click Next to continue.

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

**Step 3.** Please make sure your touch monitor or touch controller's USB cable is plugged into the computer now. Click **OK** to continue the installation.

eGalaxT	ouch - 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 4.** If you want to use Multi-Monitor, check **Support Multi-Monitor System**. Then, click **Next** to continue the installation.

eGalaxTouch
Setup Туре
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
< <u>Back</u> <u>N</u> ext > Cancel

**Step 5.** Click **Browse** to create a new folder. Click **Next** to setup eGalaxTouch in the destination folder you want to install. Click **Next** to continue the installation.

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.	
C Destination Folder	
C:\Program Files\eGalaxTouch Browse	
InstallShield	
< <u>B</u> ack <u>Next</u> > Cancel	

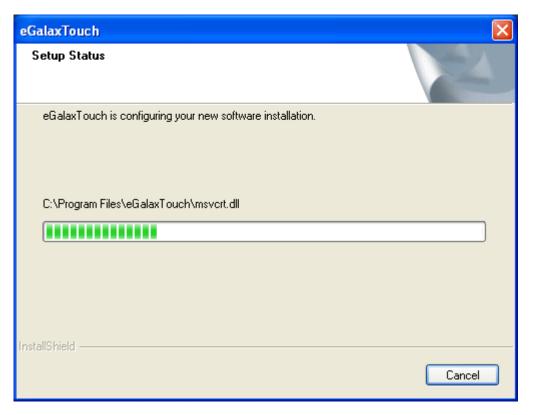
Step 6. Under eGalaxTouch, select Accessories.

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 Administration Teach	
Administrative Tools Games Startup	
InstallShield	_
< <u>B</u> ack <u>N</u> ext> Cancel	

Step 7. Check Create a eGalaxTouch Utility shortcut on desktop. Click Next to continue.

eGalaxTouch	$\mathbf{X}$
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	

Step 8. The installation files are extracted.



Step 9. eGalaxTouch driver has been installed. To do 4 point calibration, click Yes to continue.

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

### **5.2.2 Software Functions**

### General

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

🔄 eGalaxTouch : USB Controller	×		
General Setting Tools Display Hardware About			
Installed Touchscreen Controllers			
USB Controller			
Monitor Mapping Add Remove			
OK Cancel App	ly l		

#### **Monitor Mapping**

to adjust touch panel

#### Add

to search for device

Setting Check Beep On Touch and Beep from System Beep, click OK to continue.

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

#### Веер

Beep On Touch: when you touch, it will beep.Beep On Release: when you release, it will beep.Beep From System BeepBeep 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

Check Enable Constant Touch, Enable Auto Right Click, Enable Touch, Enable Cursor Stabilization. Click OK to continue.

Option	$\mathbf{\times}$
Option	,
Function	
Smaller<	
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.

S e	GalaxTouch : USB	Controller 🛛 🗙			
General Setting Tools Display Hardware About					
L	Linearization Curve				
	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.				
		OK Cancel Apply			

#### **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. Select **Full Screen**, click **OK** to continue.

🖻 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	
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 X 4	480		
Left 0	Тор 🛛		
Right 800	Bottom 480		
Drag V	Vorking Area		
	OK	Cancel	Apply

#### Other

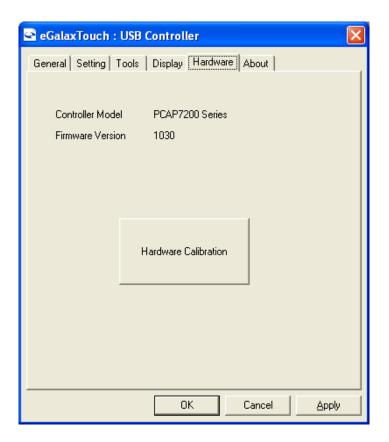
Other mode of display. Quarter1~4 and Customized area.

Other	×
Other Active Area	
Active Area	
Enable The Active Area Function.	
Active Area List Left 0 Top 0	
1 Right 0 Bottom 0	
Drag Active Area	
OK Cancel Apply	

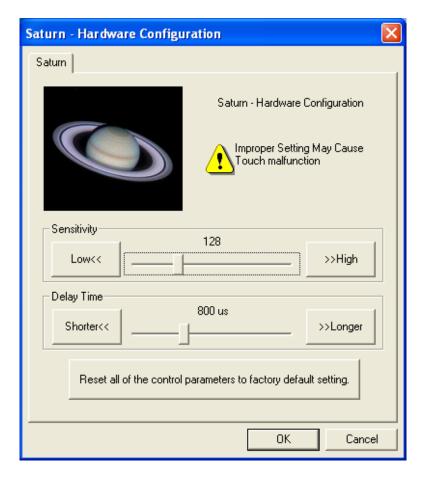
#### **Active Area**

Drag active area to enable Active Area Function.

#### Hardware Click OK.



Hardware Configuration Click **OK** to continue.



### About

To display information about eGalaxTouch and its version.

