

## **FOX-12D**

12.1" Heavy-Duty Touch Display  
IP67 and IEC 60945 ed.4 Compliant  
Anti-Fog Design, LCD + TS Bonding  
Technology  
5-wire Resistive Touch Screen

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## Packing List

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The LCD monitor comes with the following standard parts shown as below. Check and make sure they are included and in good condition. If anything is missing or damaged, contact the dealer immediately.

- 1 FOX-12D
- 1 Utility CD-ROM  
Contains User's Manual (in PDF format), Drivers and Utilities
- 1 VGA Cable with waterproof connector
- 1 Water proof connector for DC-in (Female)
- 1 RS-232 Cable with waterproof connectors

If any of these items are missing or damaged, you should contact your distributor or sales representative immediately.

## Safety & Warranty

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1. Read these safety instructions carefully.
2. Keep this user's manual for later reference.
3. Disconnect this equipment from any DC outlet before cleaning. Do not use liquid or spray detergents for cleaning. Use a damp cloth.
4. For pluggable equipment, the power outlet must be installed near the equipment and must be easily accessible.
5. Put this equipment on a reliable surface during installation. Dropping it or letting it fall could cause damage.
6. Make sure the voltage of the power source is correct before connecting the equipment to the power outlet.
7. Position the power cord so that people cannot step on it. Do not place anything over the power cord.
8. All cautions and warnings on the equipment should be noted.
9. If the equipment is not used for a long time, disconnect it from the power source to avoid damage by transient over-voltage.
10. Never pour any liquid into an opening. This could cause fire or electrical shock.
11. Never open the equipment. For safety reasons, only qualified service personnel should open the equipment.

**12. If any of the following situations arises, get the equipment checked by service personnel:**

- a. The power cord or plug is damaged.
- b. Liquid has penetrated into the equipment.
- c. The equipment has been exposed to moisture.
- d. The equipment does not work well, or you cannot get it to work according to the users manual.
- e. The equipment has been dropped and damaged.
- f. The equipment has obvious signs of breakage.

**13. DO NOT LEAVE THIS EQUIPMENT IN AN UNCONTROLLED ENVIRONMENT WHERE THE STORAGE TEMPERATURE IS BELOW -10° C (14°F) OR ABOVE 70°C (158° F). IT MAY DAMAGE THE EQUIPMENT.**

## FCC

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***Warning!***



**This device complies with Part 15 FCC Rules.**

**Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received including interference that may cause undesired operation.**

***Caution:***

*It may cause the danger of explosion if battery is incorrectly replaced. Replace only with same or equivalent type recommended by the manufacturer.*

Below Table for China RoHS Requirements  
 产品中有毒有害物质或元素名称及含量

## AAEON Display

部件名称	有毒有害物质或元素					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
印刷电路板 及其电子组件	×	○	○	○	○	○
外部信号 连接器及线材	×	○	○	○	○	○
外壳	×	○	○	○	○	○
液晶模块	×	○	○	○	○	○
触控模块	×	○	○	○	○	○
电源	×	○	○	○	○	○
<p><b>O:</b> 表示该有毒有害物质在该部件所有均质材料中的含量均在  <b>SJ/T 11363-2006</b> 标准规定的限量要求以下。</p> <p><b>X:</b> 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出  <b>SJ/T 11363-2006</b> 标准规定的限量要求。</p> <p>备注：            一、此产品所标示之环保使用期限，系指在一般正常使用状况下。            二、上述部件物质触控模块为选购品。</p>						

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Chapter

1

**General  
Information**

## **1.1 Introduction**

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Thank you for purchasing of the Industry Touch Display with IP67 and IEC 60945 ed.4 compliant - a marvelous contribution of cutting edge technology.

The LCD monitor has been designed with serious thoughts to present the best performance for most applications. Symbol of elegance, its compact and slim profile is well suited in working locations where space is at a premium.

Fully compatible with PC system, the LCD monitor provides full interface for all sorts of related standards. Supported by “Plug & Play” complying with DDC1/DDC2B, installing the LCD monitor is absolutely trouble free.

The On Screen Display menu provides user a convenient interface to make right adjustment for optimum display performance.

## **1.2 Features**

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- IP67 Waterproof & Marine IEC 60945 ed.4 Compliant
- 12.1" 500 Nits XGA LED Backlight (FOX-12DHTT)
- 12.1" 1000 Nits XGA LED Backlight (FOX-12DSTT)
- Anti-Fog Design: LCD + TS Bonding Technology
- Brightness Adjustment
- Reliable On Screen Display (OSD) Button
- Wide Power Input Range: 9~30V DC With M12 Waterproof Connector
- VESA 75/100 Standard

## 1.3 General Specification

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### *System*

- **Input Signal** VGA
- **Control** 4 Quick Keys on the front bezel
- **I/O Connector** VGA x 1
- **OS Support** Windows® XP, Windows® 7, Linux Fedora

### *Mechanical*

- **Construction** IP67 Sealed Aluminum Alloy Chassis
- **Mounting** VESA 75/100
- **Dimension** 13.58" x 11.1" x 2.36" (345mm x 282mm x 60mm )
- **Carton Dimension** 20.24" x 9.72" x 20.71" (514mm x 247mm x 526mm )
- **Gross Weight** 12.1 lb (5.5 Kg)
- **Net Weight** 8.36 lb (3.8 Kg)

### *Environmental*

- **Operating Temperature** 14°F ~ 140°F (-10°C ~ 60°C)
- **Storage Temperature** 14°F ~ 158°F (-10°C ~ 70°C)
- **Storage** 10%~95% @ 40°C; non-condensing

**Humidity**

- **Vibration** 1 g rms/ 5~500Hz/ Random operation
- **Shock** 15 G peak acceleration (11 msec. Duration)
- **EMC** CE/FCC Class A, IEC 60945 ed.4

**Power Supply**

- **DC Input** DC 9-30V

**LCD**

- **Display type** 12.1" TFT-LCD
- **Max Resolution** 1024 x 768
- **Display Modes** Full screen in 1024x768, 800x600, 640x480, 640x400 modes
- **Max. Colors** 16.2M colors
- **Luminance** HTT: 500 nits, STT: 1000 nits
- **Viewing Angle** HTT: 160°(H)/160°(V), STT: 160°(H)/140°(V)
- **Back Light** HTT: LED, STT: LED
- **Back Light MTBF** HTT: 50,000, STT: 60,000 (hours)

**Touchscreen**

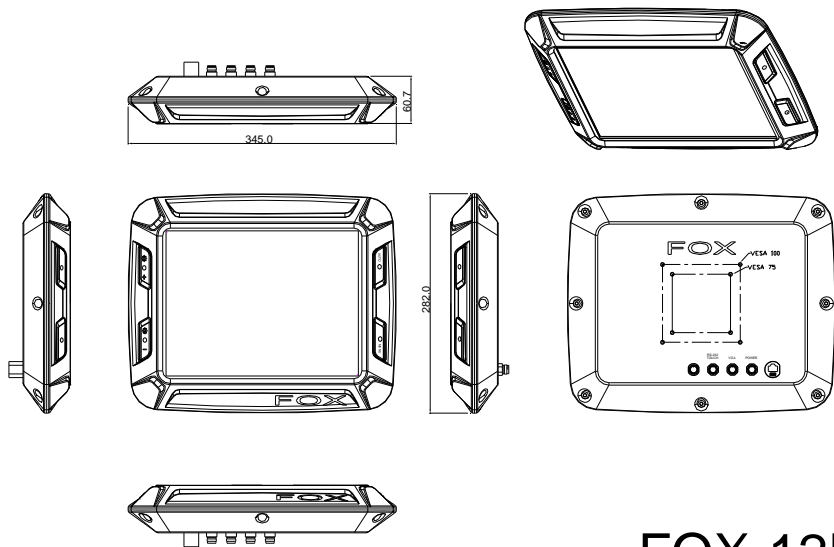
- **Type** 5-wire resistive
- **Light** 80%

**Transmission**

- **Lifetime (Times)** 35 million activations

### 1.4 Dimension

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FOX-12D

UNIT:MM

Chapter

2

**Hardware  
Installation**



## 2.1 Before Unpacking

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It is very important to place the LCD Display in a suitable environment.

- The surface for placing the LCD Display should be stable and level.
- Make sure the place has good ventilation, and out of direct sunlight; away from sources of excessive dust, dirt, heat, water, moisture and vibration.

## 2.2 Checking The Accessories

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Please open the accessory box. You will find one VGA cable, one RS-232 cable and one power connector. All of three cables comes with M12-type connectors.

VGA cable: for the display

RS-232 cable: for the touch control

Power connector: customers can customize the power source

**Note:** the power input must be between 9V to 30V



## 2.3 Connecting Cables

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Connecting the Power cable, VGA cable and RS-232 cable onto the FOX-12D and computer, and screw the three cables tightly on the FOX-12D as below.

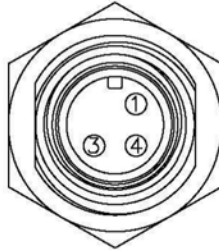
Before connecting the FOX-12D to the computer, remember to turn off the computer first. After each connector on the computer is secured, turn on the computer.

**Note:**

1. The "Surge Protection" is already implemented
2. If it doesn't screw tightly, the water-proof function may not work.
3. This holes on the left and right sides shown below are sealed tightly.  
Please do not try to open the holes, which will influence the waterproof function.



## 2.4 DC-IN 9~30V Connector

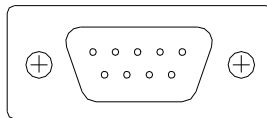


Pin Assignments  
Front View

Pin	Signal	Pin	Signal
1	DC V+	2	N/A
3	GND	4	NC

## 2.5 Serial Port Connector For Touch Screen

This pin definition of the connector will be referred when a touch screen has been installed. It must be connected to the RS-232 port of the PC.



Pin	Signal	Pin	Signal
1	Not Used	2	RXD, Receive Data
3	TXD, Transmit Data	4	Not Used
5	GND, Ground	6	Not Used
7	Not Used	8	Not Used

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9	Not Used	10	Not Used
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## 2.6 VESA Wall Mounting

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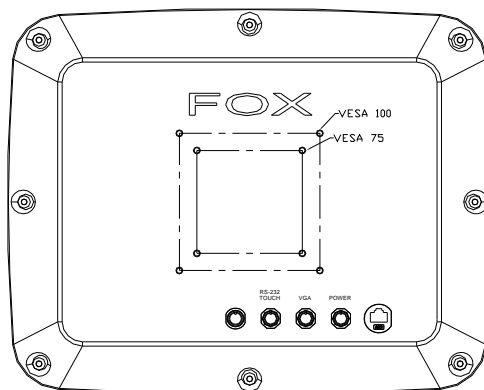
Mounting the LCD Display with UL Listed Wallmount Bracket only. The LCD Display can be mounted on a monitor arm or wallmount plate.

### *Caution:*

*When mounting the LCD Display, take care to tighten the retention screws or bolts until fully secured, but do not over tighten. Over tightening the retention screws or bolts may cause them to become stripped, rendering them useless.*

### **Monitor Arm or Wallmount Plate Installation**

The LCD Display has Video Electronics Standards Association (VESA) standard mounting holes tapped into the rear panel. The standard hole of the FOX-12D complies to 75mm x 75mm & 100mm x 100mm.



## VESA Mounting Holes

To mount the LCD Display onto a monitor arm or wallmount plate, please follow the steps below.

Step 1: Line up the threaded holes on the rear panel of the monitor with the screw holes on the monitor arm or wallmount plate.

Step 2: Secure the monitor to the arm or stand with the retention screws supplied with the monitor arm or stand.

## 2.7 Waterproof LAN Connector Installation

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When you connect the LAN port with the Ethernet cable, please use the particular **Waterproof LAN connector** in the packing. If the Ethernet cable without the particular waterproof LAN connector, it may cause the issues of LAN connection-missing or invalid waterproof function. Please follow the steps to install the waterproof LAN connector.

Step 1: Peel off the release paper of gasket of RJ-45 plug cable set and stick it to its body



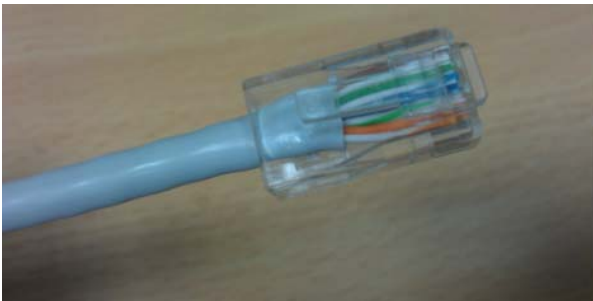
Step 2: Cut off the present RJ-45 plug cable



Step 3: Put all parts of RJ-45 plug cable set through cable in order



Step 4: Install and crimp a new RJ-45 plug



Step 5: Insert RJ-45 plug into the socket and mount to cable set's body. Make sure the latch of RJ-45 connector is in place

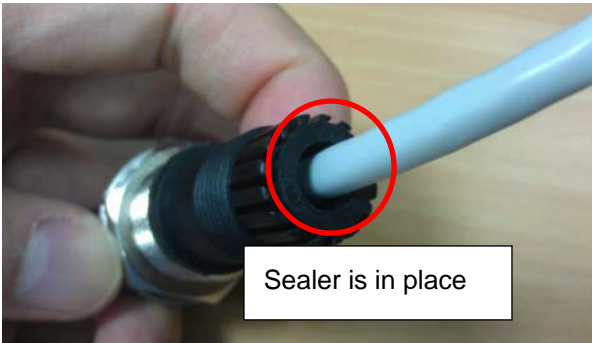


Step 6: Lock and tighten the nut of RJ-45 plug

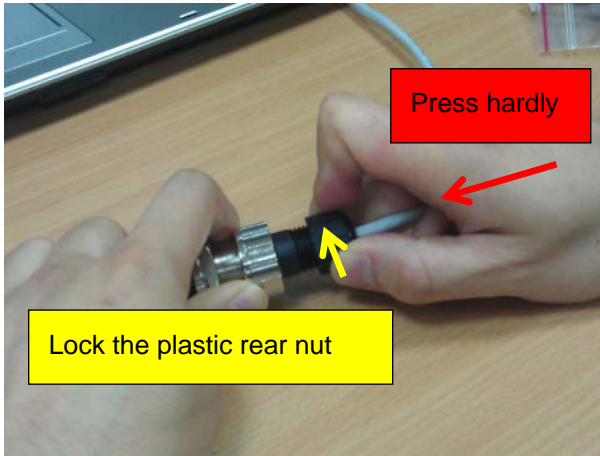




Step 7: Screw on the plastic rear nut a little bit for locking later. Make sure sealer is in place



Step 8: Before locking the plastic rear nut tightly, press the cable hardly and make sure all parts of the LAN connector has been connected tightly



Step 9: Tighten the plastic rear nut again to make sure the cable is securely connected and would not fall off accidentally



Chapter

3

# On Screen Display Control

### 3.1 On Screen Display (OSD) Board Description

Buttons	Description
Menu / Enter	<ul style="list-style-type: none"> <li>➤ Activate the OSD menu.</li> <li>➤ Enter/confirm the selected option.</li> </ul>
UP / Right / Increase / Input select	<ul style="list-style-type: none"> <li>➤ Move the selector to the next option.</li> <li>➤ Increase the gauge value of the selected option.</li> <li>➤ Change input source.</li> </ul>
Down/ Left / Decrease	<ul style="list-style-type: none"> <li>➤ Move the selector to the previous option.</li> <li>➤ Decrease the gauge value of the selected option.</li> </ul>
Auto	<ul style="list-style-type: none"> <li>➤ Automatically adjust the clock, phase, H-position and V-position.</li> <li>➤ Value to the most optimal settings.</li> </ul> <p>Use full screen when enabling this function.</p>

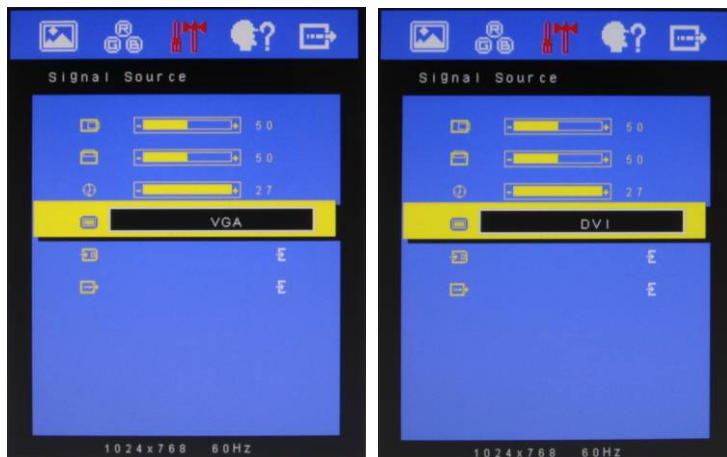
### 3.2 OSD Main Menu: Push The MENU Keys



#### Available Key Functions

<b>AUTO</b>	Return to last menu
<b>MENU</b>	Selected to confirm
<b>+</b>	Increase the gauge value of the selected option
<b>-</b>	Decrease the gauge value of the selected option

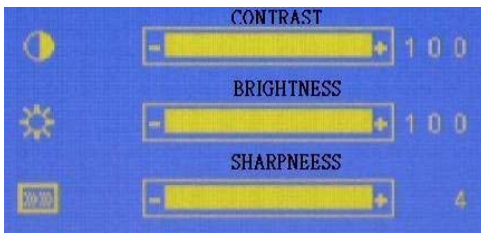
### 3.3 Select Input Source



#### • Available Key Functions

<b>AUTO</b>	Return to last menu
<b>MENU</b>	Selected to confirm
<b>+</b>	Increase the gauge value of the selected option
<b>-</b>	Decrease the gauge value of the selected option

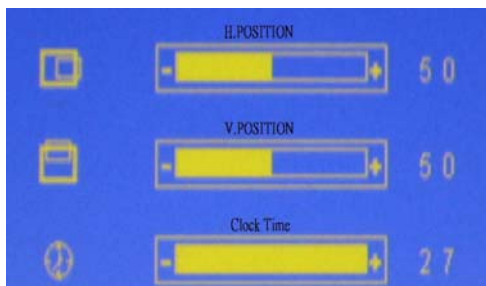
### 3.4 Contrast/ Brightness- Submenu



#### Available Key Functions

AUTO	Return to last menu
MENU	Selected to confirm
+	Increase the gauge value of the selected option
-	Decrease the gauge value of the selected option

### 3.5 Geometry Menu



#### Available Key Functions

AUTO	Return to last menu
MENU	Selected to confirm
+	Increase the gauge value of the selected option
-	Decrease the gauge value of the selected option



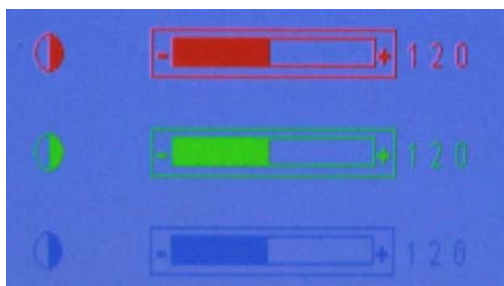
### 3.6 Color Temperature- Submenu



#### Available Key Functions

<b>AUTO</b>	Return to last menu
<b>MENU</b>	Selected to confirm
<b>+</b>	Increase the gauge value of the selected option
<b>-</b>	Decrease the gauge value of the selected option

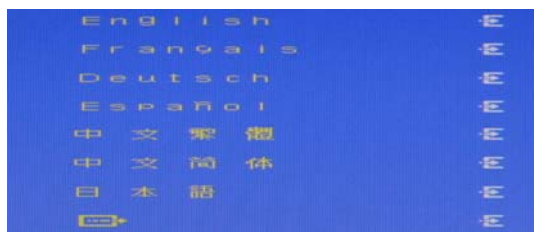
### 3.7 RGB Color- Submenu



#### Available Key Functions

<b>AUTO</b>	Return to last menu
<b>MENU</b>	Selected to confirm
<b>+</b>	Increase the gauge value of the selected option
<b>-</b>	Decrease the gauge value of the selected option

### 3.8 Language- Submenu



#### Available Key Functions

<b>AUTO</b>	Return to last menu
<b>MENU</b>	Selected to confirm
<b>+</b>	Increase the gauge value of the selected option
<b>-</b>	Decrease the gauge value of the selected option

### 3.9 Auto Config- Submenu

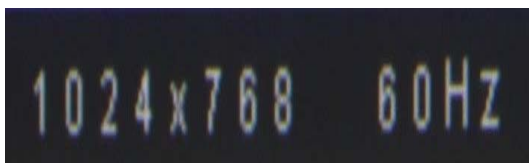


#### Available Key Functions

<b>AUTO</b>	Return to last menu
<b>MENU</b>	Selected to confirm
<b>+</b>	Increase the gauge value of the selected option
<b>-</b>	Decrease the gauge value of the selected option

### 3.10 Mode Resolution- Submenu

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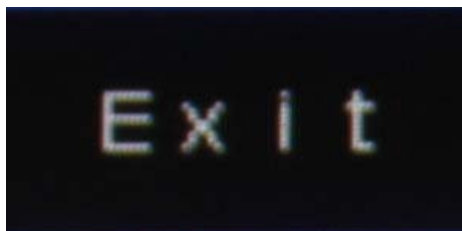


#### Available Key Functions

<b>AUTO</b>	Return to last menu
<b>MENU</b>	Selected to confirm
<b>+</b>	Increase the gauge value of the selected option
<b>-</b>	Decrease the gauge value of the selected option

### 3.11 Exit Menu- Submenu

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#### Available Key Functions

<b>AUTO</b>	Return to last menu
<b>MENU</b>	Selected to confirm
<b>+</b>	Increase the gauge value of the selected option
<b>-</b>	Decrease the gauge value of the selected option

Chapter

4

# Touch Screen Driver Installation

## 4.1 Introduction

---

The optional FOX-12D Series touch screen uses 5-wire resistive technology to provide more accurate sensing capacity than other technologies. The touch screen is specially designed for tough industrial environments, and has been approved by CE/FCC Class A standards.



## 4.2 Resistive Touchscreen Control Board

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### Hardware

Touch screen controllers must be configured for the driver prior to installation. EETI typically ships controllers in a default setup that is compatible with this driver. Controller requirements are:

### Serial

Serial controllers must conform to these minimum requirements:

Baud rate: 9600 Baud

Data mat: SMARTSET

It is desirable for a full handshaking connection to be established between the touch screen controller and the computer, but it is not required. The controller will function with this driver in a "two-wire," Receive Data and Ground (RxD and Gnd) configuration. The consequences of a two-wire connection are:

- + Automatic detection of the controllers on serial ports during setup is not possible ◦
- + Controller information will not be registered in the Property Page of the Control Panel ◦

### USB

\* USB controllers require no configuration prior to installation.

\*EETI USB controllers are Human Interface Device (HID) compliant.

The Windows<sup>®</sup> XP and Windows<sup>®</sup> 7 operating systems have native

HID drivers that provide low-level support for EETI touch screen controller. An EETI touch monitor with a USB touch screen controller installed will provide the following limited operation with these native HID drivers. Operation of the controller will be limited without the installation of the software discussed in the next section:

- The mouse cursor will move on the display in response to touch
- The direction of motion on the display will depend on the orientation of the touch screen and the defaults programmed into the controller and the driver
- No "beep" will be heard when the screen is touched
- No Control Panel application is available to configure the operation of the driver.

### 4.3 Installing Driver for Windows® XP/ Windows® 7 / Linux

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The touch screen has drivers for Windows® XP、 Windows® 7 and Linux . You should read the instructions in this chapter carefully before installation.

**Note 1:** The following windows illustrations are examples only. You must follow the flow chart instructions and pay attention to the instructions which then appear on your screen.

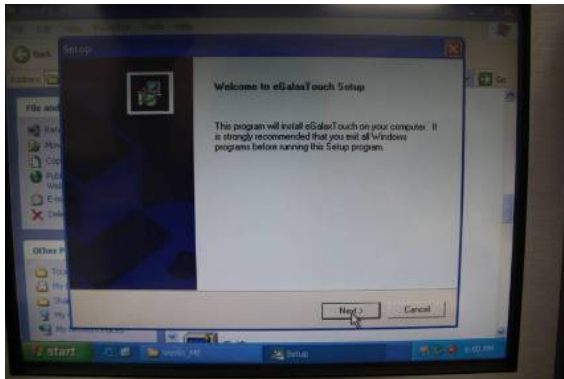
**Note 2:** Please make sure that the OS of your computer supports Windows® XP/ Windows® 7 while installing Windows® XP/ Windows® 7 drivers in the CD-ROM to the system.

**For Windows® XP OS, please execute:**

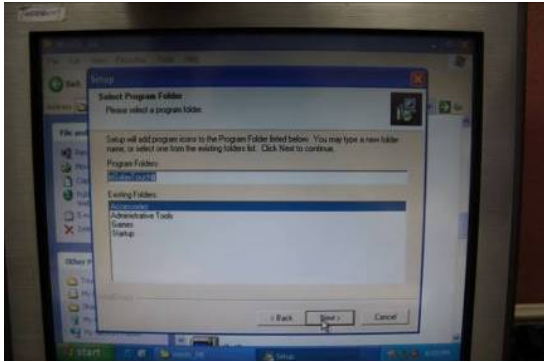
CD-ROM:

\\TouchScreen-DR\VeGalax Touch \Win XP\Setup.exe

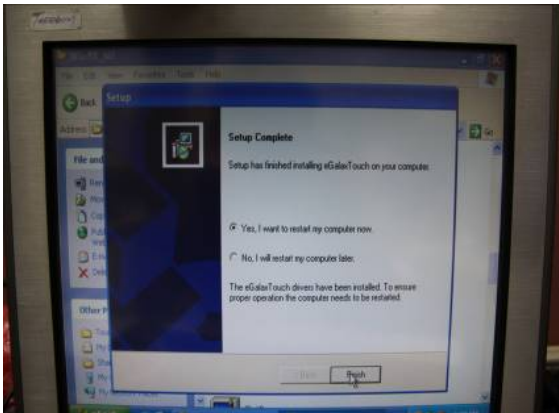
1. Click on the “Next” button on the Welcome window screen



2. Click the **"Next"** button on the screen



3. Click on the **"Finish"** button and restart your system



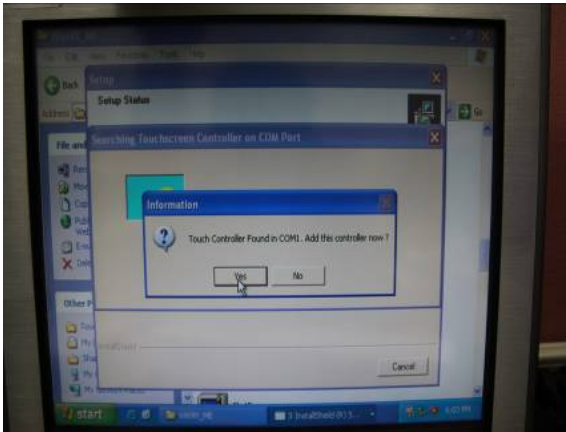
### Single monitor, Serial Port controller

The driver files will install automatically. When the "Setup Complete" screen appears, you may choose to run calibration immediately or later. If you choose not to run this program now, you can run it from the EETI Control Panel application.

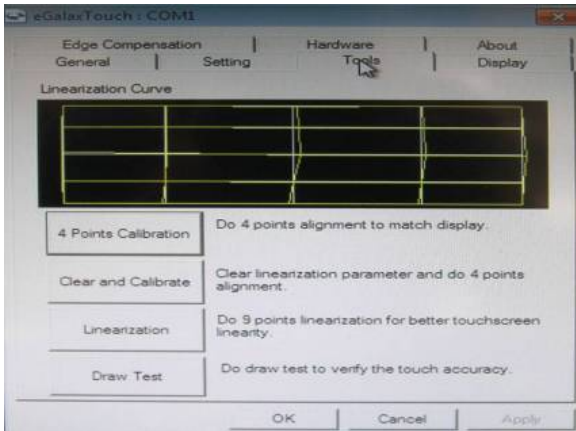
## 1. Executing eGalax on Desktop



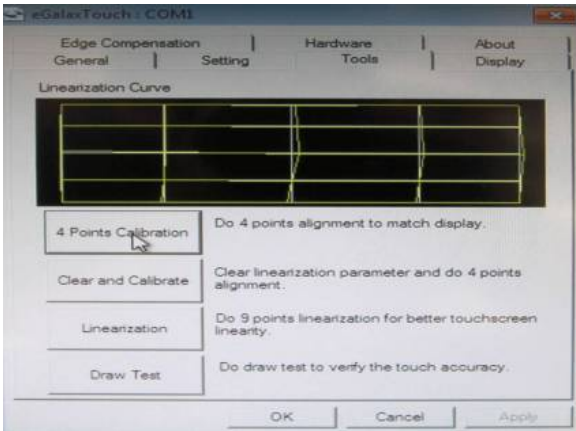
## 2. Recognition devices choose to run calibration immediately



### 3. Choose **Tools** to calibrate



### 4. Click on **4 Points Calibration** to execute calibration



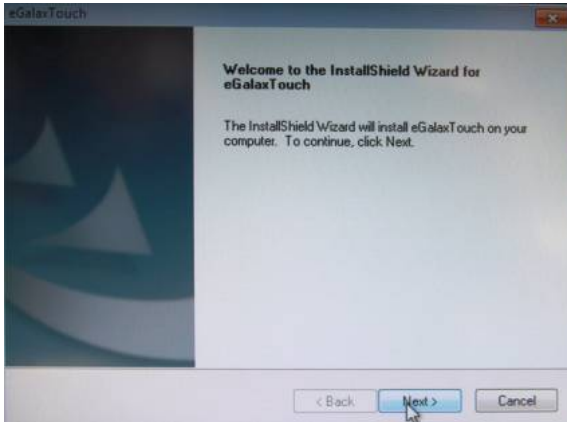
**Note:** If the alignments do not match display by 4 Points Calibration, please use 9 Ports or more to calibrate.

For Windows® 7 OS please execute:

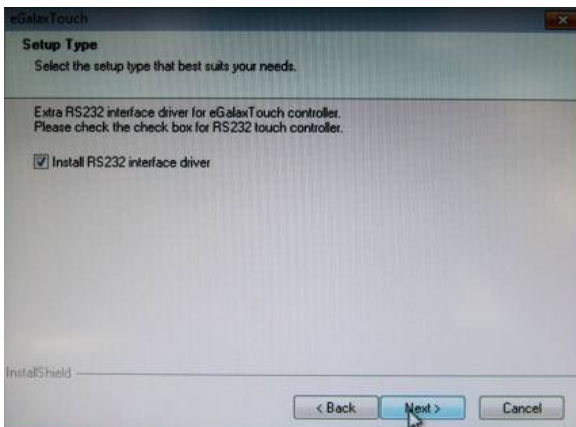
CD-ROM:

\\TouchScreen-DRV\leGalax Touch Win 7 \Setup.exe

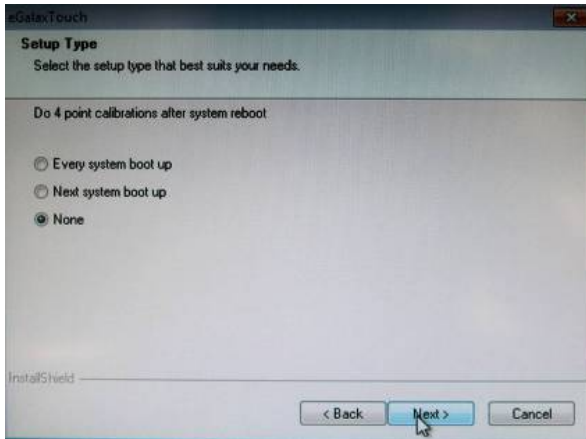
1. Click on the **“Next”** button



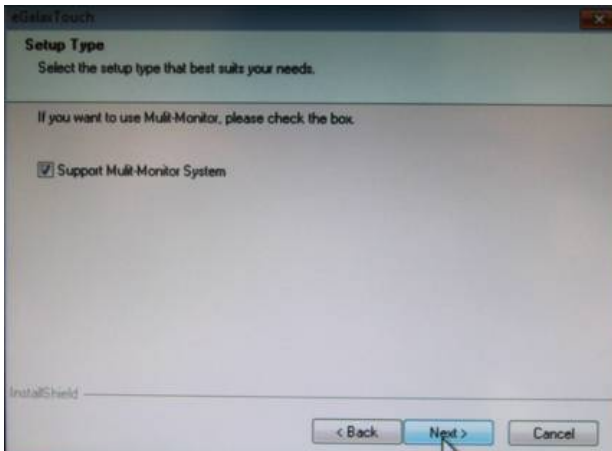
2. Click on the **“Next”** button



3. Tick **“None”** if the system did not start 4 points calibrating after reboot. Click on the **“Next”** button.

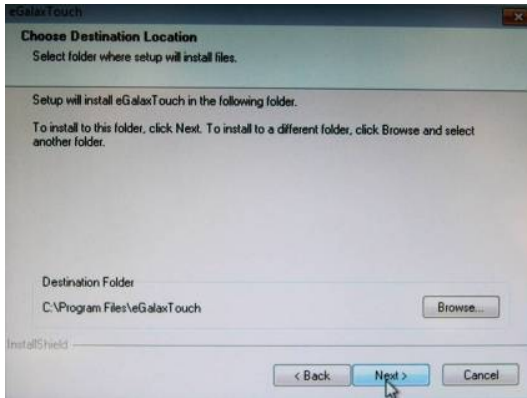


4. Tick **“Support Multi-Monitor System,”** and click on the **“Next”** button

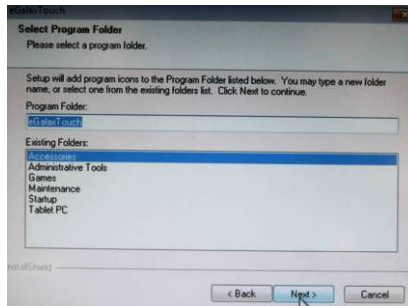




5. Select **Destination** Folder, and click on the “**Next**” button



6. Click on the “**Next**” button



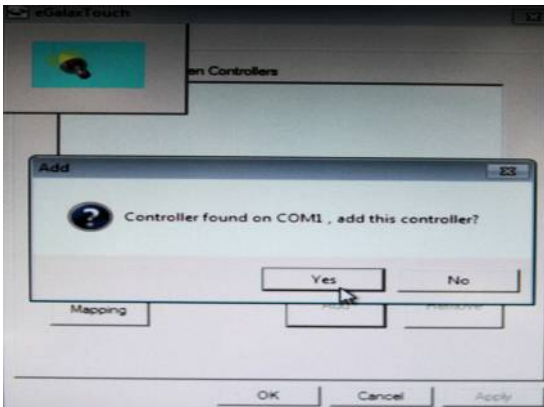
## Single monitor, Serial Port controller

The driver files will install automatically. When the "Setup Complete" screen appears, you may choose to run calibration immediately or later. If you choose not to run this program now, you can run it from the EETI Control Panel application.

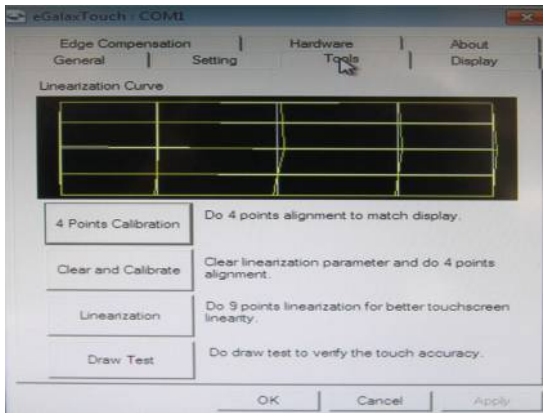
## 1. Executing eGalax on Desktop



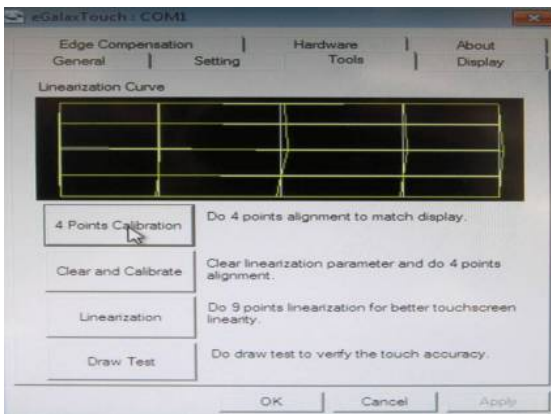
## 2. Recognition devices choose to run calibration immediately



### 3. Choose **Tools** to run calibration



### 4. Click on **4 Points Calibration** to execute calibration



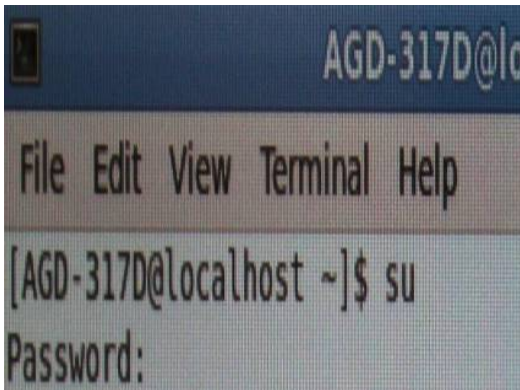
**Note:** If the alignments do not match display by 4 Points Calibration, please use 9 Ports or more to calibrate.

**For Linux Fedora 14 kernel 2.6.35.6-45.fc14 OS please execute:**

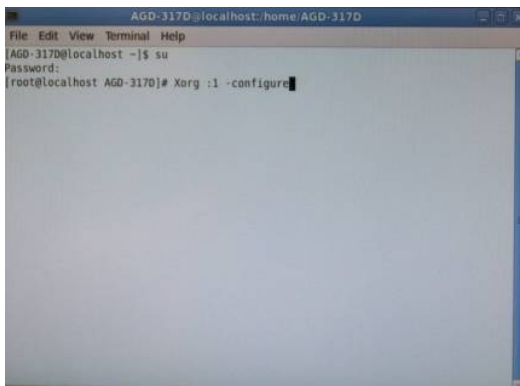
CD-ROM:

\\TouchScreen-DRV\Galax Touch \Linux\GalaxTouch 32

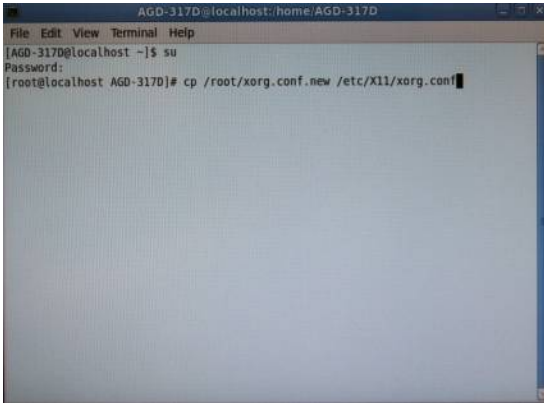
1. Open System Input Command (su) and System Password



2. Input command ( Xorg : l -configure)

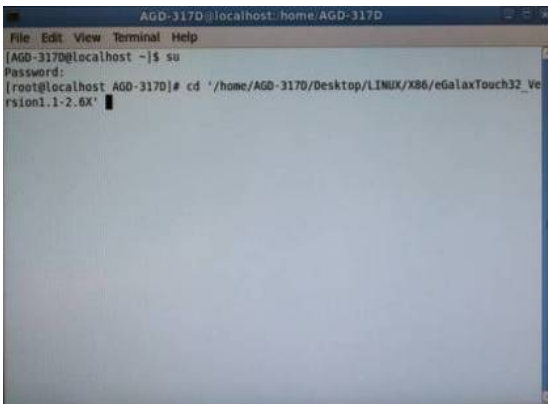


3. Input command ( `cp /root/xorg.conf.new /etc/X11/xorg.conf`)



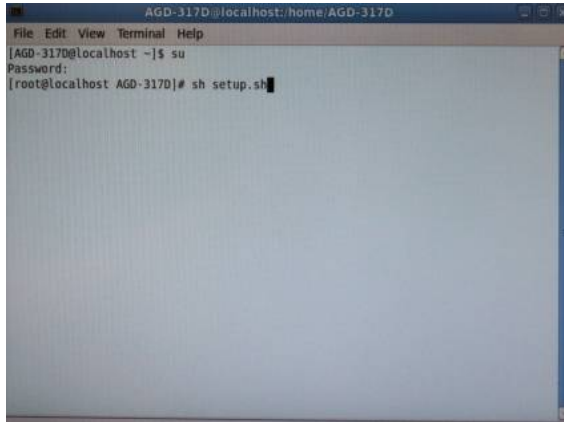
```
AGD-317D@localhost:home/AGD-317D
File Edit View Terminal Help
[AGD-317D@localhost ~]$ su
Password:
[root@localhost AGD-317D]# cp /root/xorg.conf.new /etc/X11/xorg.conf
```

4. Load Linux Folder Touch Driver



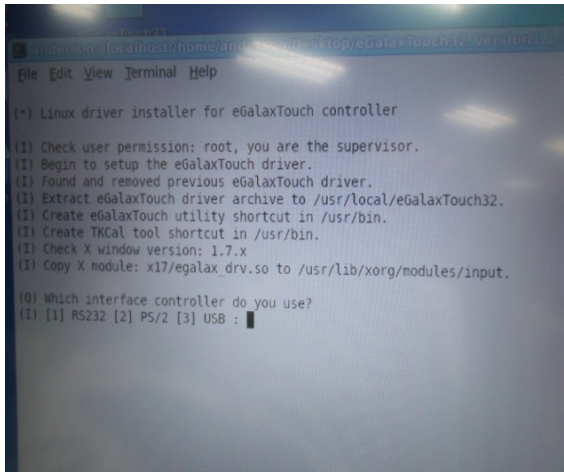
```
AGD-317D@localhost:home/AGD-317D
File Edit View Terminal Help
[AGD-317D@localhost ~]$ su
Password:
[root@localhost AGD-317D]# cd '/home/AGD-317D/Desktop/LINUX/X86/eGalaxTouch32_Ve
rsion1.1-2.6X'
```

## 5. Executive Touch Driver



```
AGD-317D@localhost:/home/AGD-317D
File Edit View Terminal Help
[AGD-317D@localhost ~]$ su
Password:
[root@localhost AGD-317D]# sh setup.sh
```

## 6. Which interface controller do you use?



```
AGD-317D@localhost:/home/AGD-317D/Desktop/eGalaxTouch32_Ver3.0.1
File Edit View Terminal Help
(*) Linux driver installer for eGalaxTouch controller
(1) Check user permission: root, you are the supervisor.
(1) Begin to setup the eGalaxTouch driver.
(1) Found and removed previous eGalaxTouch driver.
(1) Extract eGalaxTouch driver archive to /usr/local/eGalaxTouch32.
(1) Create eGalaxTouch utility shortcut in /usr/bin.
(1) Create TKCal tool shortcut in /usr/bin.
(1) Check X window version: 1.7.X
(1) Copy X module: x17/egalax_drv.so to /usr/lib/xorg/modules/input.

(0) Which interface controller do you use?
(1) [1] RS232 [2] PS/2 [3] USB : 
```

7. Select the “3” USB interface. (Select the USB interface and press “Enter” key of the keyboard to start the installation)

```
file Edit View Terminal Help
(*) Linux driver installer for eGalaxTouch controller

[!] Check user permission: root, you are the supervisor.
[!] Begin to setup the eGalaxTouch driver.
[!] Found and removed previous eGalaxTouch driver.
[!] Extract eGalaxTouch driver archive to /usr/local/eGalaxTouch32.
[!] Create eGalaxTouch utility shortcut in /usr/bin.
[!] Create TKCal tool shortcut in /usr/bin.
[!] Check X window version: 1.7.x
[!] Copy X module: x17/egalax_drv.so to /usr/lib/xorg/modules/input.

(0) Which interface controller do you use?
[1] RS232 [2] PS/2 [3] USB : 3
[!] Using interface: USB
[!] Found a HID compliant touch controller.

[!] Found X configuration file: /etc/X11/xorg.conf.
[!] Removed touch configuration from /etc/X11/xorg.conf.
[!] Add touch configuration into /etc/X11/xorg.conf.

[!] Please reboot the system for some changes to take effect.
[!] After booting, type "eGalaxTouch" to do calibration.

[root@localhost eGalaxTouch32 Version1.1-2.6X]#
```

8. Select the “1” COM interface (Select the COM interface and input command: **`/dev/ttyS0 (COM1)`**), and press the “Enter” key of the keyboard to start the installation)

```
file Edit View Terminal Help
(*) Linux driver installer for eGalaxTouch controller

[!] Check user permission: root, you are the supervisor.
[!] Begin to setup the eGalaxTouch driver.
[!] Found and removed previous eGalaxTouch driver.
[!] Extract eGalaxTouch driver archive to /usr/local/eGalaxTouch32.
[!] Create eGalaxTouch utility shortcut in /usr/bin.
[!] Create TKCal tool shortcut in /usr/bin.
[!] Check X window version: 1.7.x
[!] Copy X module: x17/egalax_drv.so to /usr/lib/xorg/modules/input.

(0) Which interface controller do you use?
[1] RS232 [2] PS/2 [3] USB : 1
(0) Which COM port will be connected? e.g. /dev/ttyS0 (COM1)
[!] Please input: /dev/ttyS0

[!] Found X configuration file: /etc/X11/xorg.conf.
[!] Add touch configuration into /etc/X11/xorg.conf.

[!] Please reboot the system for some changes to take effect.
[!] After booting, type "eGalaxTouch" to do calibration.

[root@localhost eGalaxTouch32 Version1.1-2.6X]#
```

## 9. Reboot the system to activate the changes

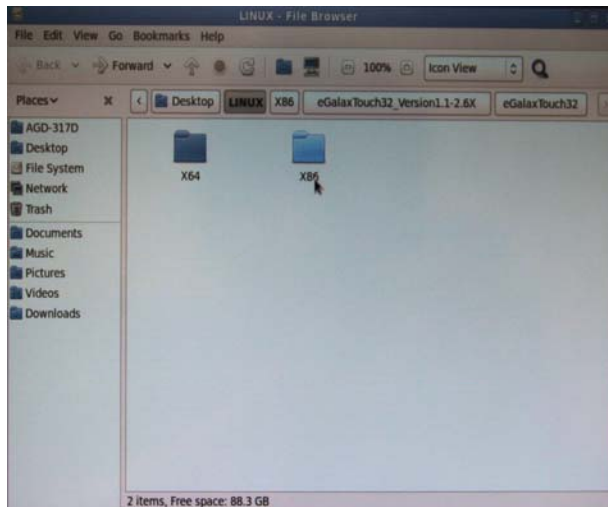
```
File Edit View Terminal Help
[*] Linux driver installer for eGalaxTouch controller
(I) Check user permission: root, you are the supervisor.
(I) Begin to setup the eGalaxTouch driver.
(I) Extract eGalaxTouch driver archive to /usr/local/eGalaxTouch32.
(I) Create eGalaxTouch utility shortcut in /usr/bin.
(I) Create TKCal tool shortcut in /usr/bin.
(I) Check X window version: 1.7.x
(I) Copy X module: x17/egalax_drv.so to /usr/lib/xorg/modules/input.

(O) Which interface controller do you use?
(I) [1] RS232 [2] PS/2 [3] USB : 1
(O) Which COM port will be connected? e.g. /dev/ttyS0 (COM1)
(A) Please input: /dev/ttyS0

(I) Found X configuration file: /etc/X11/xorg.conf.
(I) Add touch configuration into /etc/X11/xorg.conf.
(I) Please reboot the system for some changes to take effect.
(I) After booting, type "eGalaxTouch" to do calibration.

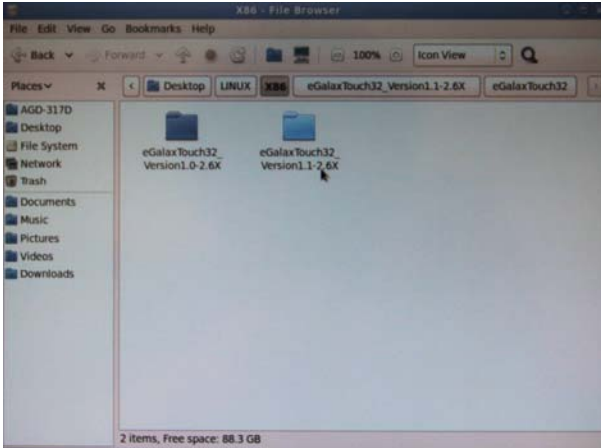
[root@localhost eGalaxTouch32 Version1.1-2.6X]# reboot
```

## 10. Select the X86 Folder (Because Linux is 32 bit)

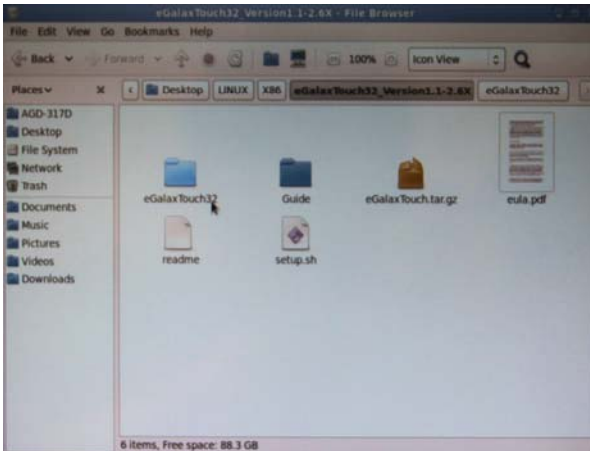




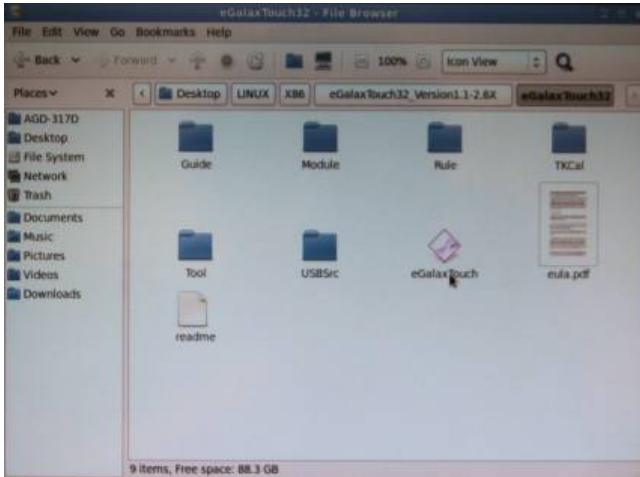
## 11. Select “eGalax Touch32\_Version1.1-2.6X” Folder



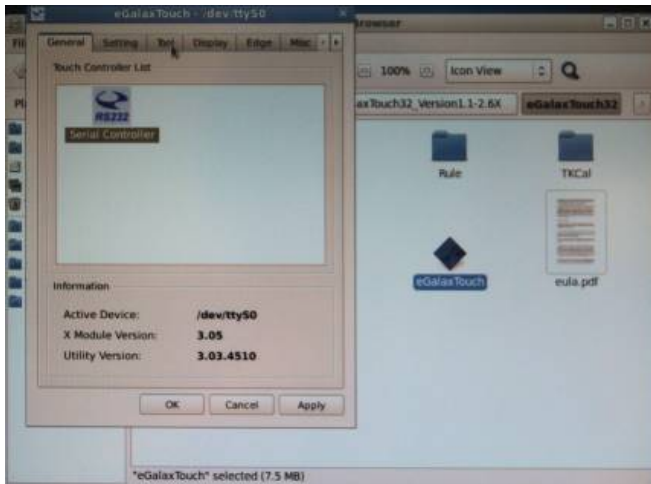
## 12. Select “eGalax Touch32” Folder



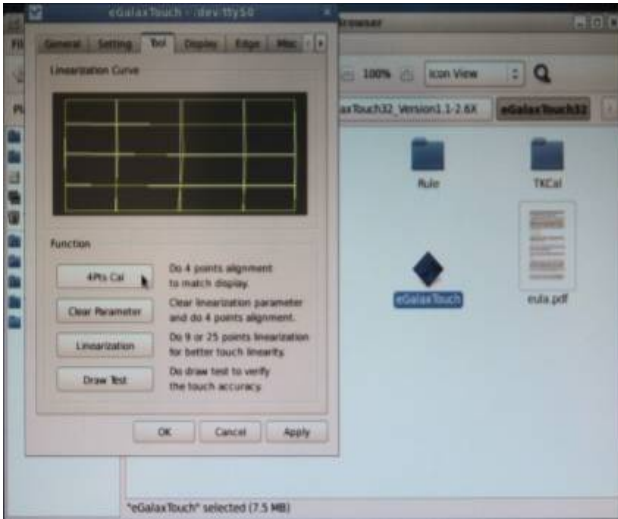
13. Click on the “eGalax Touch” to calibrate immediately



14. Choose “Tool” to calibrate

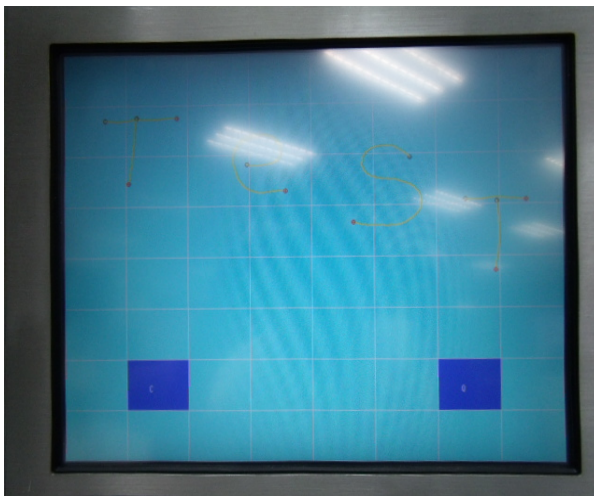


## 15. Execute 4 Points Calibration



**Note:** If the alignments do not match display by 4 Points Calibration, please use 9 Ports or more to calibrate.

## 16. Draw and test (Drawing · Writing)



17. If you are going to replace the Interface, please remove the old Touch Driver (Input command: `sh setup.sh uninstall`)

```
File Edit View Terminal Help
[+] Linux driver installer for eGalaxTouch controller
[!] Check user permission: root, you are the supervisor.
[!] Begin to remove eGalaxTouch driver.
[!] Removed eGalaxTouch driver archive from /usr/local/eGalaxTouch32.
[!] Removed eGalaxTouch utility shortcut.
[!] Removed TKCal tool shortcut.
[!] Removed X module.
[!] Removed touch configuration from /etc/X11/xorg.conf.

[!] The eGalaxTouch driver has been removed successfully.
[!] Please reboot the system for some changes to take effect.

[root@localhost eGalaxTouch32_Version1.1-2.6X]#
```

18. Reboot the system

```
File Edit View Terminal Help
[+] Linux driver installer for eGalaxTouch controller
[!] Check user permission: root, you are the supervisor.
[!] Begin to setup the eGalaxTouch driver.
[!] Extract eGalaxTouch driver archive to /usr/local/eGalaxTouch32.
[!] Create eGalaxTouch utility shortcut in /usr/bin.
[!] Create TKCal tool shortcut in /usr/bin.
[!] Check X window version: 1.7.x
[!] Copy X module: x17/egalax_drv.so to /usr/lib/xorg/modules/input.

(Q) Which interface controller do you use?
[!] [1] RS232 [2] PS/2 [3] USB : 1
(Q) Which COM port will be connected? e.g. /dev/ttyS0 (COM1)
(A) Please input: /dev/ttyS0

[!] Found X configuration file: /etc/X11/xorg.conf.
[!] Add touch configuration into /etc/X11/xorg.conf.

[!] Please reboot the system for some changes to take effect.
[!] After booting, type "eGalaxTouch" to do calibration.

[root@localhost eGalaxTouch32_Version1.1-2.6X]# reboot
```