

Touch POS Monitor POS 120 Series Installation Guide



2006 December V1.4

Safety

IMPORTANT SAFETY INSTRUCTIONS

1. To disconnect the machine from the electrical power supply, turn off the power switch and remove the power cord plug from the wall socket. The wall socket must be easily accessible and in close proximity to the machine.
2. Read these instructions carefully. Keep these instructions for future reference.
3. Follow all warnings and instructions marked on the product.
4. Do not use this product near water.
5. Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.
6. Slots and openings in the cabinet and the back or bottom are provided for ventilation; to ensure reliable operation of the product and to protect it from overheating, these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register, or in a built-in installation unless proper ventilation is provided.
7. This product should be operated from the type of power indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.
8. Do not allow anything to rest on the power cord. Do not locate this product where persons will walk on the cord.
9. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

FCC

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Caution on Lithium Batteries

There is a danger of explosion if the battery is replaced incorrectly. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.

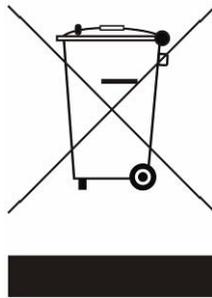
CE MARK



This device complies with the requirements of the EEC directive 89/336/EEC with regard to “Electromagnetic compatibility” and 73/23/EEC “Low Voltage Directive”.

LEGISLATION AND WEEE SYMBOL

2002/96/EC Waste Electrical and Electronic Equipment Directive on the treatment, collection, recycling and disposal of electric and electronic devices and their components.



The crossed dustbin symbol on the device means that it should not be disposed of with other household wastes at the end of its working life. Instead, the device should be taken to the waste collection centres for activation of the treatment, collection, recycling and disposal procedure.

To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

Note:

The RS-232 interface does not support hot-plug.

This may cause the Touch Panel to stop responding under the following conditions:

- RS-232 connector is unplugged and then plugged in again, while the system is switched on (hot-plug).
- POS monitor AC power is removed and restored, while the system is switched on (hot-plug).
- POS monitor DC power is removed and restored, while the system is switched on (hot-plug).

If the touch panel stops responding due to one of the above conditions, please follow the flowchart below to restore the Touch Panel function.

POS 120 touch panel troubleshooting procedure

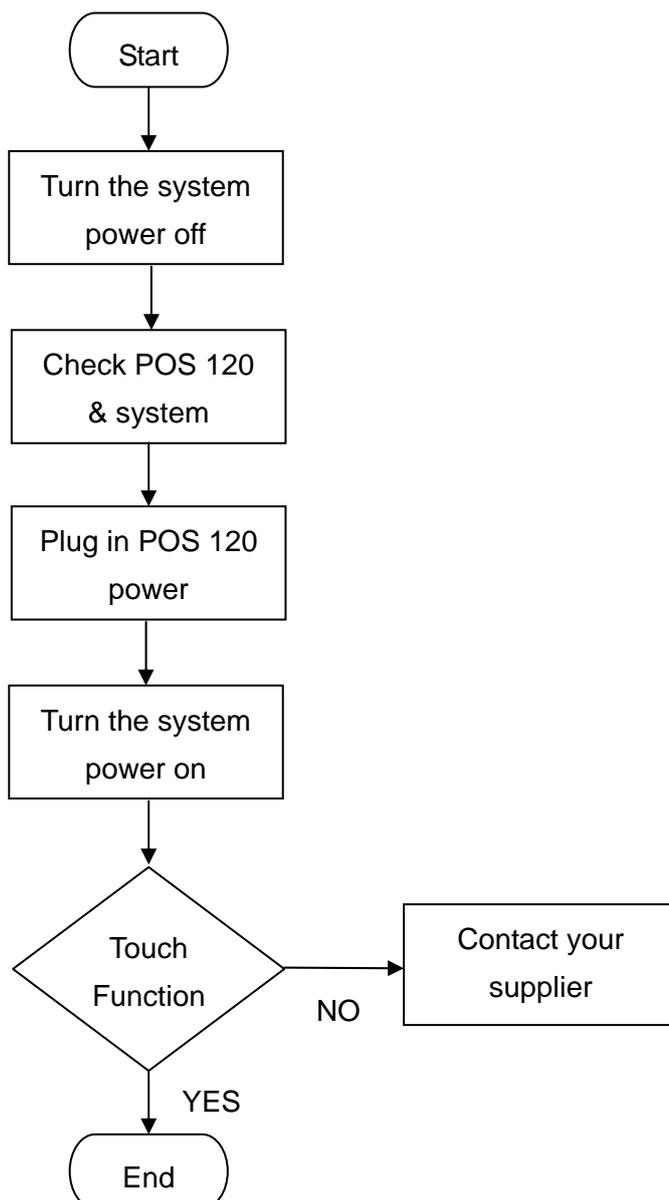
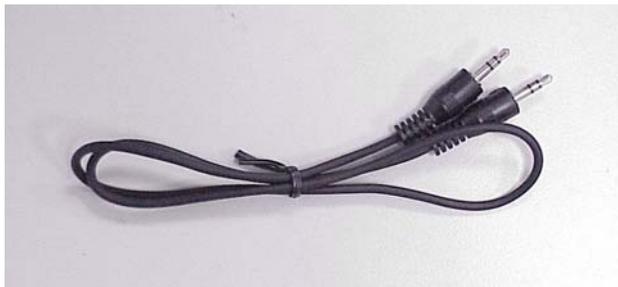


Table of Contents

1. ACCESSORIES	6
2. I/O FUNCTION	7
2.1 FRONT VIEW	7
2.2 REAR VIEW	7
2.3 OSD CONTROL PANEL.....	8
3. ON-SCREEN DISPLAY	9
4. SPECIFICATION	10
5. DRIVER INSTALLATION	11
5.1 ELO TOUCH DRIVER INSTALLATION	11
5.2 POS TOUCH DRIVER INSTALLATION	13
6. JUMPER SETTINGS	18
6.1 M/B JUMPER SETTING	19
7. APPENDIX	20
7.1 BASE COVER CABLE HOLDER.....	20

1. Accessories



a. Optional Audio Cable



b. Driver CD



c. COM Port Cable (option for MSR)



d. Power Cord



e. USB Cable (for USB Touch)



f. VGA Cable

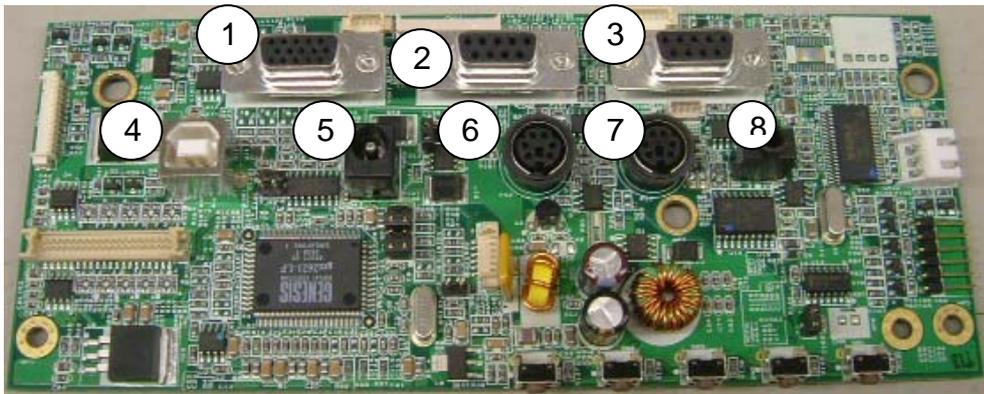
2. I/O Function

2.1 Front View



#	Function
1	Magnetic Card Reader

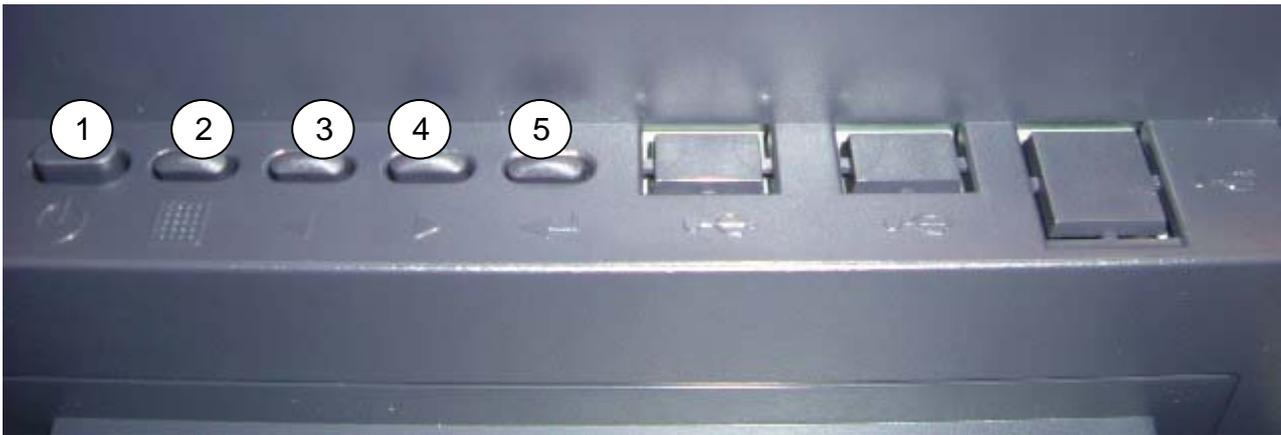
2.2 Rear View



Note: The maximum current that can be drawn from each COM port is 500 mA.

#	Function	Assignment
1	VGA	VGA Input
2	COM1	Magnetic Card Reader
3	COM2	Touch Screen
4	USB	USB Type B
5	PWR1	DC 19V IN
6	KB (IN)	Magnetic Card Reader (Keyboard type interface to PC)
7	KB (OUT)	PS/2 Keyboard
8	Audio-IN	Audio Input

2.3 OSD Control Panel



#	Function	Assignment
1	Power Button	LCD Monitor on / off
2	Menu Button	To get into video setup mode
3	Left Button	Left and Right buttons for video function adjustment purpose
4	Right Button	
5	Select Button	Moves to the next sub-menu

3. On-Screen Display

OSD Menu		
Video	Brightness	
	Contrast	
	Hue	
	Saturation	
Color	Temperature	User defined RGB
		4200K
		5000K
		6500K
		7500K
		9300K
Image	Auto image	
Position	H. Width	
	Phase	
	H. Position	
	V. Position	
Tools	OSD. Control	Timer
		OSD H. Pos
		OSD V. Pos
	Sharpness	
	Overlapped	
	Language	English
French		
Spanish		
German		
Italian		
Japanese		
Traditional Chinese		
Simplified Chinese		

Note:

1. Press the "Menu" button to make adjustments, then press the "Menu" button to exit the menu, if you press the "Menu" button to exit the OSD window, the system will automatically save the adjustments. If you do not use or change any value of the control function, the OSD will exit in 16 seconds.
2. While the display is capable of other resolutions (as with all flat panel displays), it is a fixed matrix of pixels and best used at its native resolution – 800 x 600 / 1024 x 768.

4. Specification

Main Name	POS122	POS125
LCD Touch Panel		
LCD Size	12.1" TFT LCD	15" TFT LCD
Brightness	150 – 400 cd/m ²	250 – 350 cd/m ²
Resolution	800 x 600 / 1024 x 768	1024 x 768
Touch Screen	Resistive Type	
Tilt Angle	0° - 70°	
External I/O Ports		
Front I/O		
Power USB	1 (12V)	
USB	1 (Default for touch)	
OSD Button	Power, Menu, Video Function Adjustment, Exit	
Rear I/O		
PS/2	2 (for MSR & Keyboard)	
Serial / COM	2 (For MSR & reserved for touch)	
Line Input	1 port (Optional)	
Internal Speaker	2 x 2W (Optional)	
Power Adapter	Internal 30W (12V / 2.5A)	
Environment		
EMC & Safety	FCC Class A, CE, LVD	
Operating Temperature	5°C ~ 35°C (41°F ~ 95°F)	
Storage Temperature	-10°C ~ 60°C (14°F ~ 140°F)	
Operating Humidity	10% - 90% RH non condensing	
Storage Humidity	10% - 90% RH non condensing	
Power		
Customer Display	VFD / LCD type; Pole mounted type	
Magnetic Card Reader	3 Tracks (RS-232 / PS2 Interface)	
Dimension (W x D x H)	POS122: 310 x 200 x 282 mm / 12.1" x 7.9" x 11.1"	
	POS125: 386 x 200 x 340mm / 15.2" x 7.9" x 13.4"	

- This specification is subject to change without prior notice.

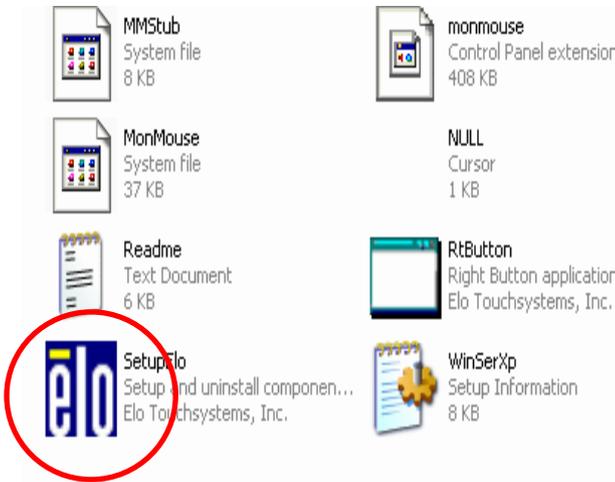
5. Driver Installation

Folder/File	File Description
<CD>:\POS Monitor.htm	POS120 Series Driver List
<CD>:\COMMON\Elo_Touch	ELO Touch driver
<CD>:\COMMON\POS_Touch	POS Touch driver
<CD>:\COMMON\Card Reader	Card Reader Utility
<CD>:\datasheet\POS12XSeries	POS120 Series installation guide

The following procedures s for Windows XP, other platforms are similar.

5.1 ELO Touch Driver Installation

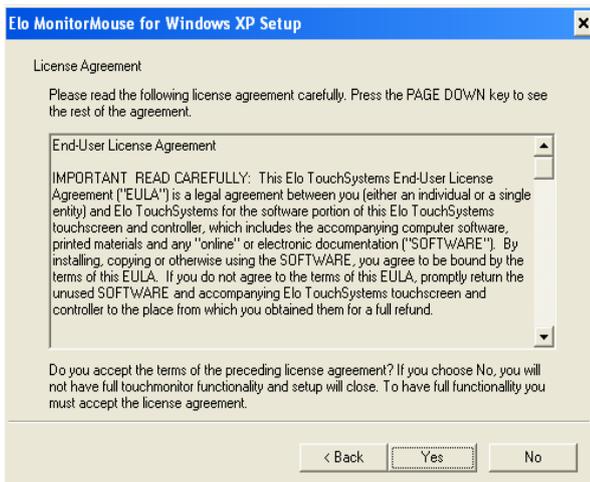
Driver Path : \Common\ELO_Touch\



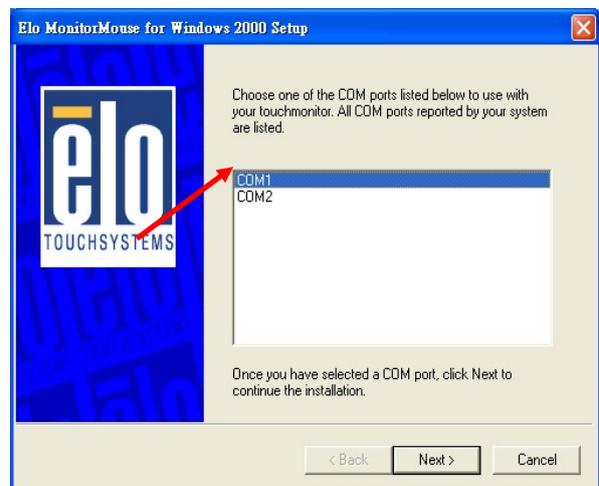
a. Click "Setup" on My Computer window.



b. Click "Next" button on the Welcome window.



c. Click "Yes" on the License Agreement window.



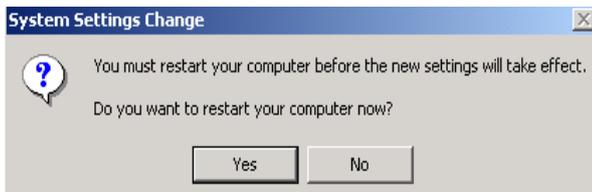
d. Select "COM1", then click "Next" button on the ELO MonitorMouse for Windows XP Setup window.



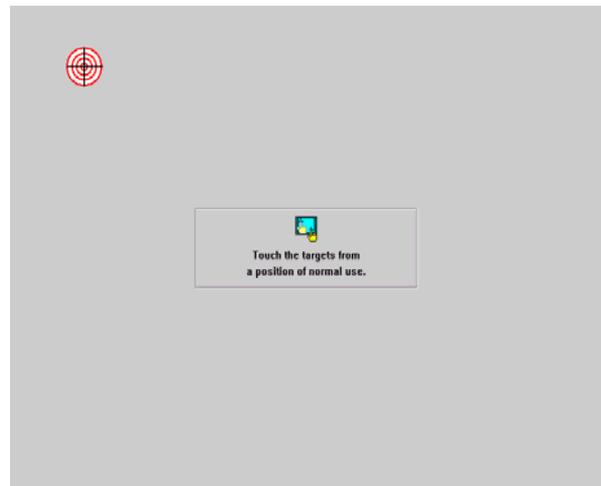
e. Click “Next” button on the ELO MonitorMouse for Windows XP Setup window.



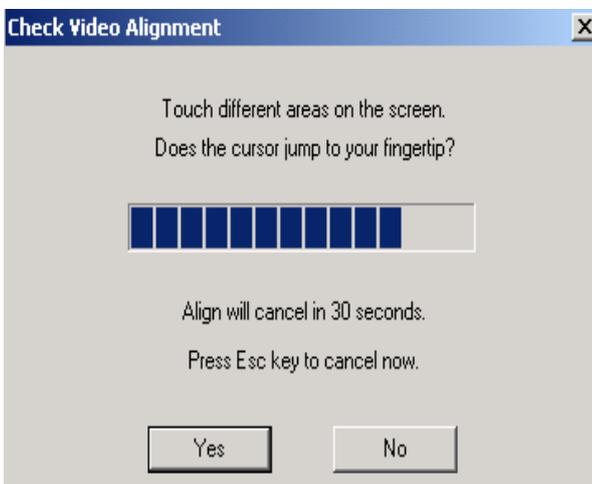
f. Click “Finish” button on the ELO MonitorMouse for Windows XP Setup window.



g. Click “Yes” on the System Settings Change window.



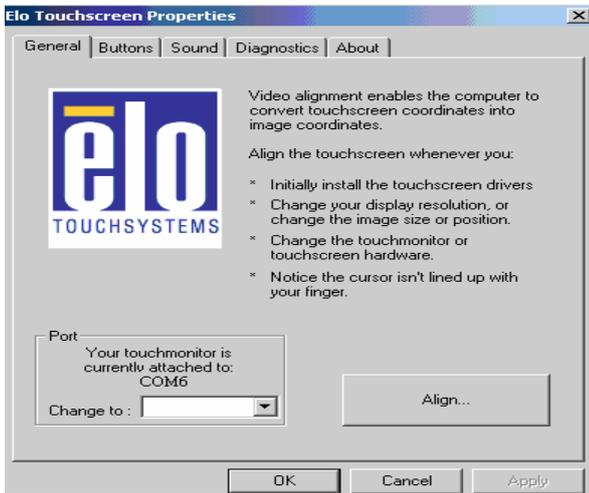
h. After the computer restarted, touch the targets with your finger for alignment.



i. Click “Yes” on the Check Video Alignment window.



j. Click “Finish” on the “ELO Touch Systems Setup window.

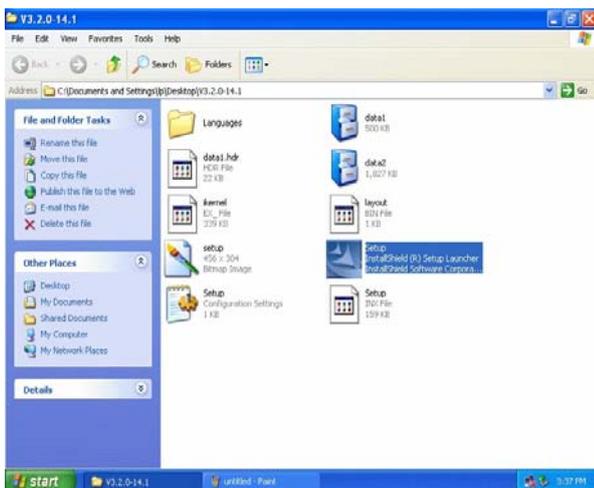


k. If the cursor is not in sync with your finger tip, click “Align...” to execute the alignment procedure again, or click “OK”.

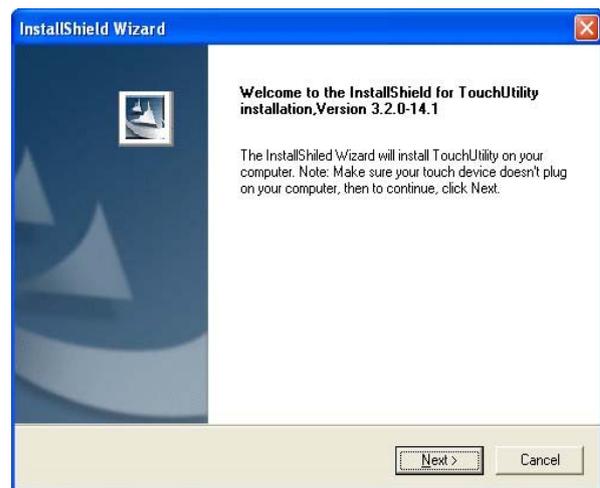
l. Now the ELO touch driver is installed.

5.2 POS Touch Driver Installation

Driver Path : /COMMON/POS_Touch/



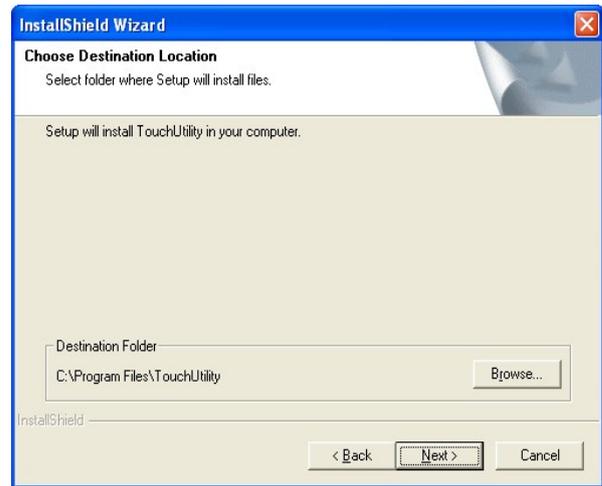
a. Click “Setup” on My Computer window.



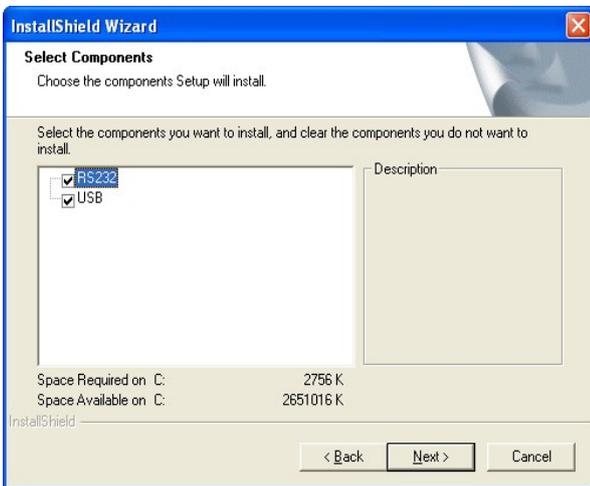
b. Click “Next” button on the Welcome window.



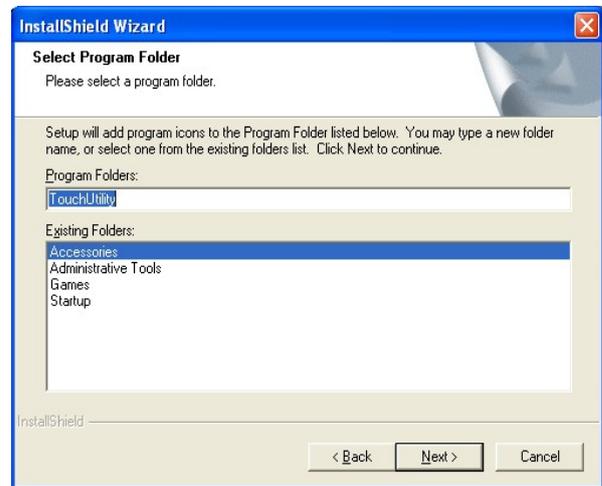
c. Click “Yes” button on the License Agreement window.



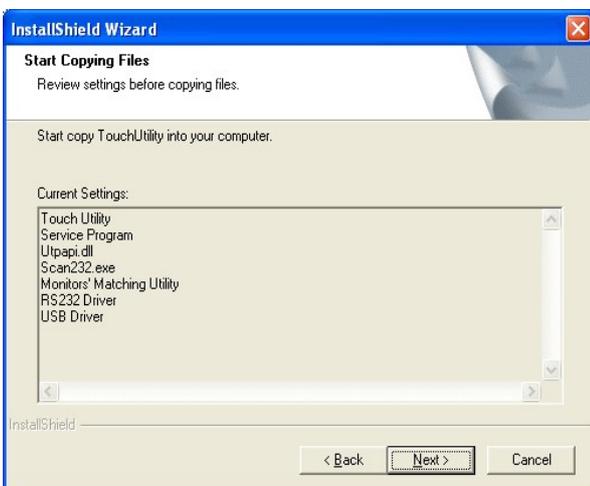
d. Click “Next” button on the Choose Destination Location window.



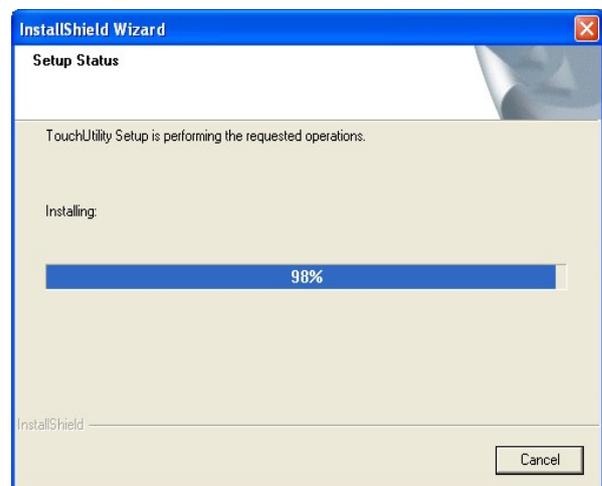
e. Click “Next” on the Select Components Folder window.



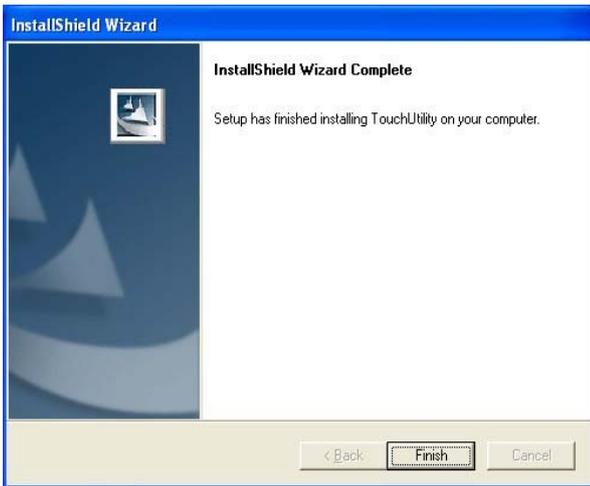
f. Click “Next” on the Select Components Folder window.



g. Click “Next” on the Start Copying files window.



h. Driver is installing now.



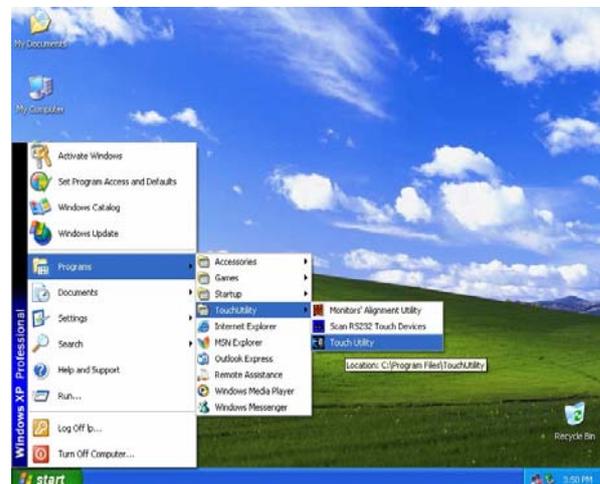
i. Click “Finish” on the InstallShield Wizard Complete window.



j. Click “Continue Anyway” on the Hardware Installation window.



k. Select “Yes, I want to restart my computer now.”, then click “OK” button.



l. After the computer restarted, select the “Touch Utility” on the desktop.



m. Click “Scale/Offset” button on the POS Touch Utility window.



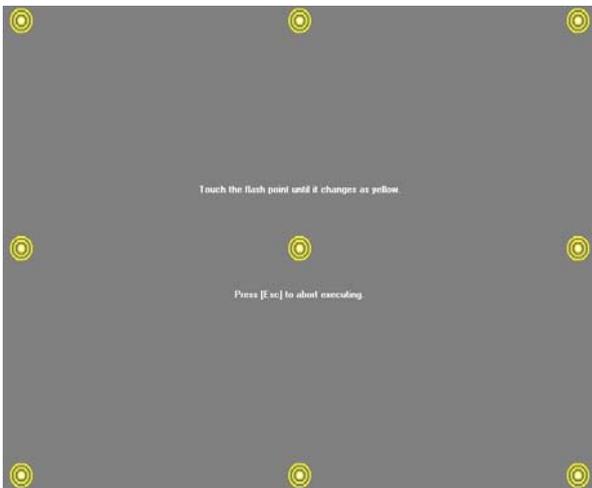
n. Touch the flash point until it changes to yellow for alignment.



o. Touch any spot on the screen for saving calibration data.



p. Select “Device” on the POS Touch Utility window, then click “9 PIs Calibration” button on the POS Touch Utility window.



q. Touch the flash point on the screen until it changes to yellow for linearizing alignment.

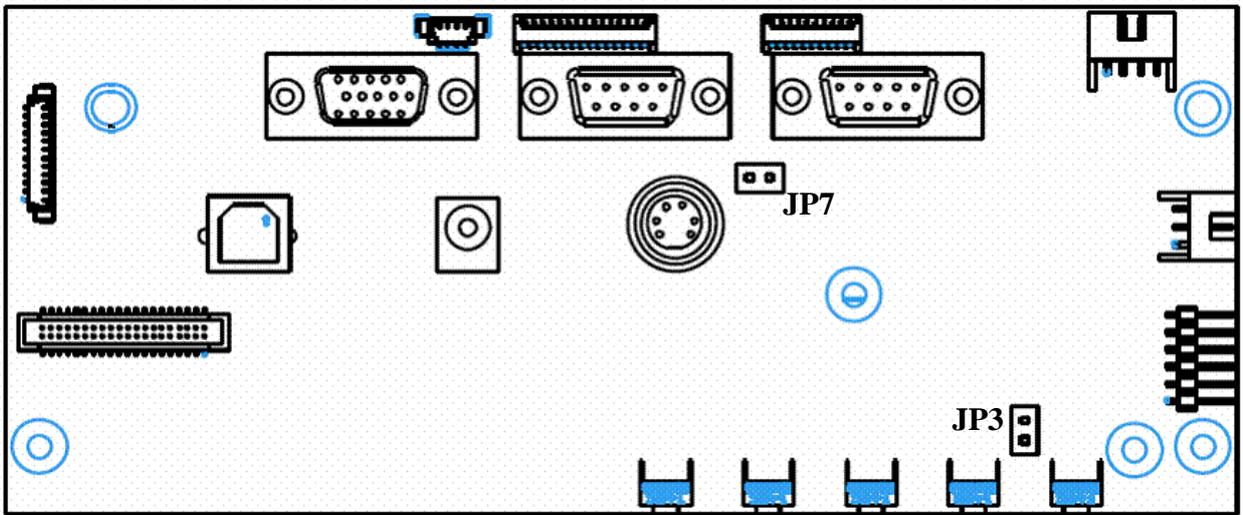


r. Touch any spot on the screen for saving linearizing data.



s. Click “Exit” button on the POS Touch Utility window, then the driver is installed now.

6. Jumper Settings



6.1 M/B Jumper Setting

1. Power Enable Selection

Function	JP3 (1-2)
Power Enable	SHORT
Power Disable	OPEN

2. MSR Power Selection

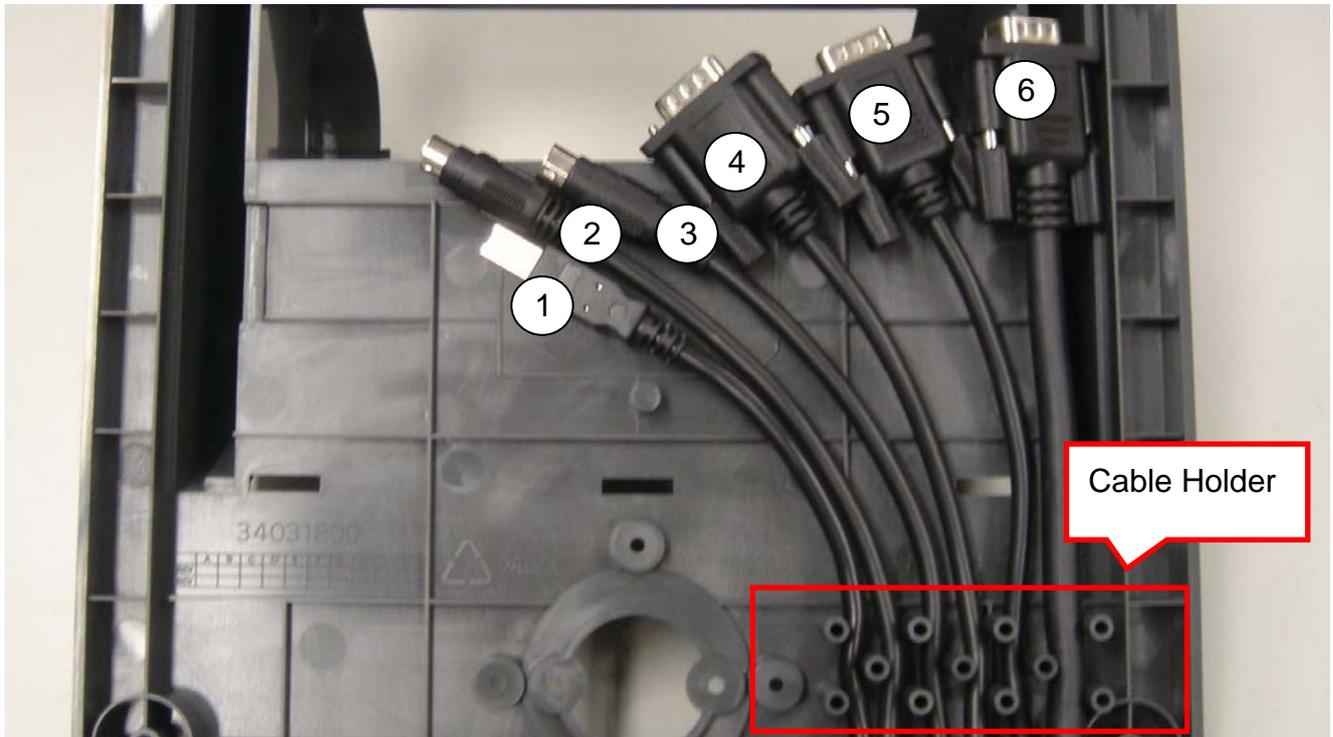
Function	JP7 (1-2)	JP (3-4)
PS2 MSR	SHORT (default)	N/C
SERIAL MSR	N/C	SHORT

Note:



7. Appendix

7.1 Base Cover Cable Holder



Cables route through the holder gap for cable management.

#	Assignment
1	USB Cable (Type B)
2	PS2 Cable
3	PS2 Cable
4	COM Port Cable
5	COM Port Cable
6	VGA Cable