

TFTST-56, LKBST-65 (PCI Card)
Setup Guide for ST-B20
Windows 2000 / XP / Vista / 7
WEPOS / POSReady 2009 /

TOSHIBA TEC CORPORATION

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1. Introduction

This document describes the procedures and cautions for set up the drivers of TFTST-56, LKBST-65 (PCI Card) on the ST-B20.

The outline of procedures to set up drivers on the ST-B20 is as follows.

Setup Procedure:

1. Installation of SMI VGA Driver
2. Installation of SMK Touch Panel Driver

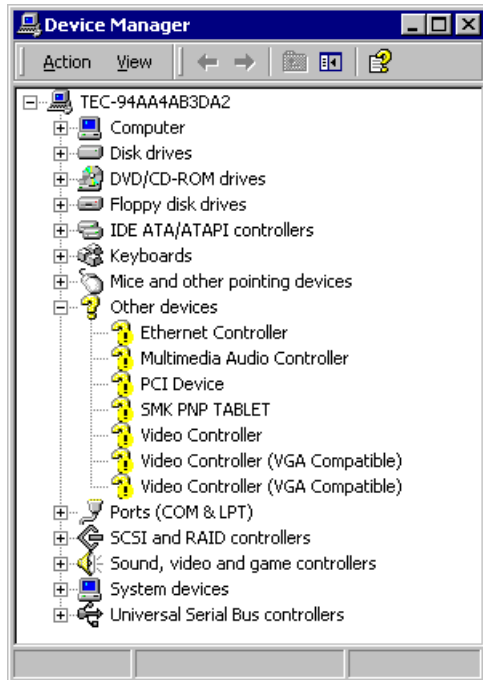
Note: The SMK Touch Panel Driver uses "COM4" port.

Note: Unless any of the PS/2 mouse, the serial mouse, or the USB mouse is connected, the touch panel driver cannot be loaded properly, and calibration cannot be set. When installing the driver, connect any of the mice and let the machine detect the mouse.

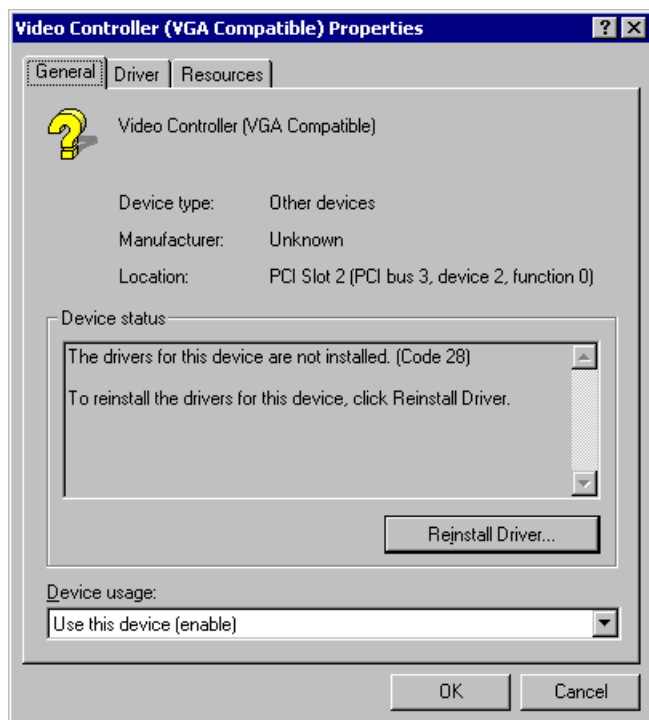
2. Setup for Windows 2000

2.1. Installation of SMI VGA Driver

There is “Video Controller (VGA Compatible)” under “Other devices” of Device Manager at the ST-B20 that is connected to TFTST-56 or LKBST-65.



Note: How to confirm whether the Video Controller (VGA Compatible) is the target one for setting
Open the “Video Controller (VGA Compatible)” property and confirm that the “Location” is “PCI Slot x” at “General” tab. If the “Location” is not “PCI Slot x”, it is not the target “Video Controller (VGA Compatible)” for setting.



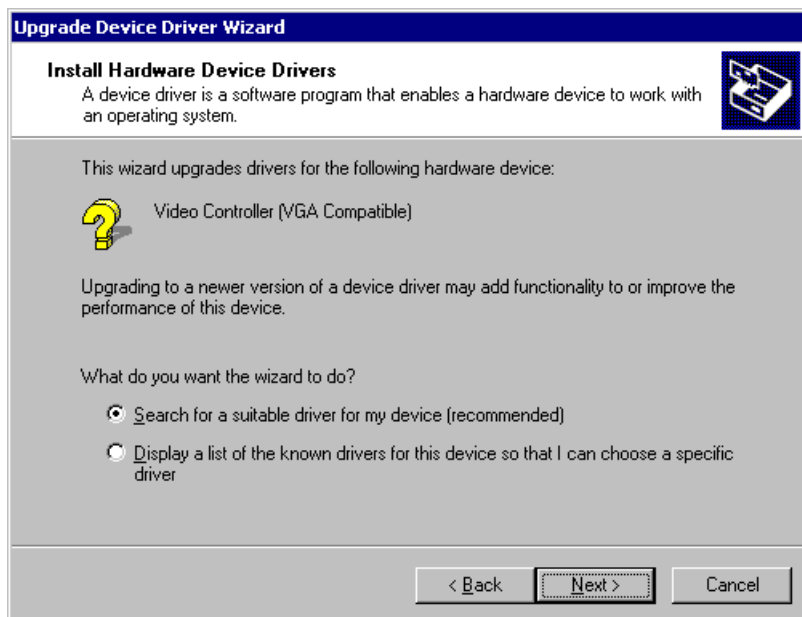
Open the property of the target “Video Controller (VGA Compatible)”. Then, select “Driver” tab and click on the “Update Driver...” button.



The following window appears. Click on the “Next” button.



The following window appears. Check the “Search for a suitable driver for my device (recommended)” radio button, and click on the “Next” button”.



The following window appears. Check the "Specify a location" check box, and click on the "Next" button".



The following window appears. Click on the "Browse..." button and specify "ST-B20¥Display¥TFTST56_LKBST65¥LVDS_via_PCI¥PCICardDriver¥2K" folder in the driver kit CD as the driver location. Then, click on the "OK" button".



The following window appears. Click on the “Next” button.



The following window appears. Click on the “Yes” button.



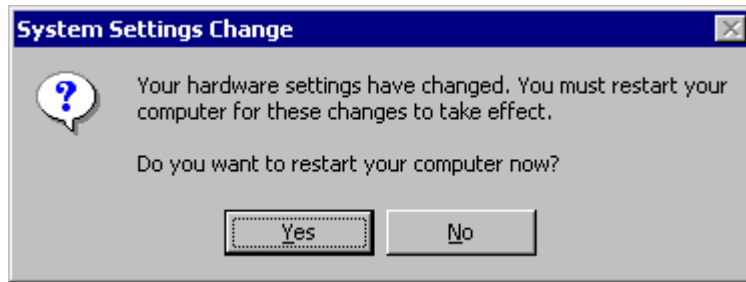
When the installation is completed, the following window appears. Click on the “Finish” button.



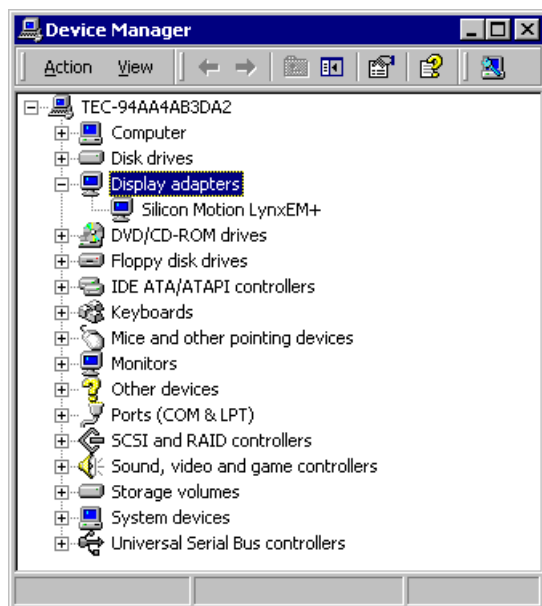
Click on the “Close” button.



The following window appears. Click on the “Yes” button to reboot the computer.

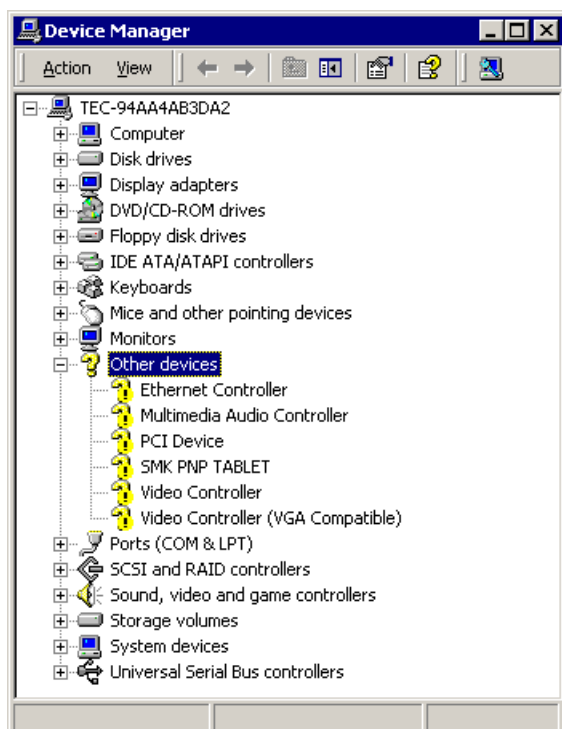


Open Device Manager to confirm the graphic driver has been installed. Make sure that “Silicon Motion LynxEM+” is registered under the “Display adapters”.

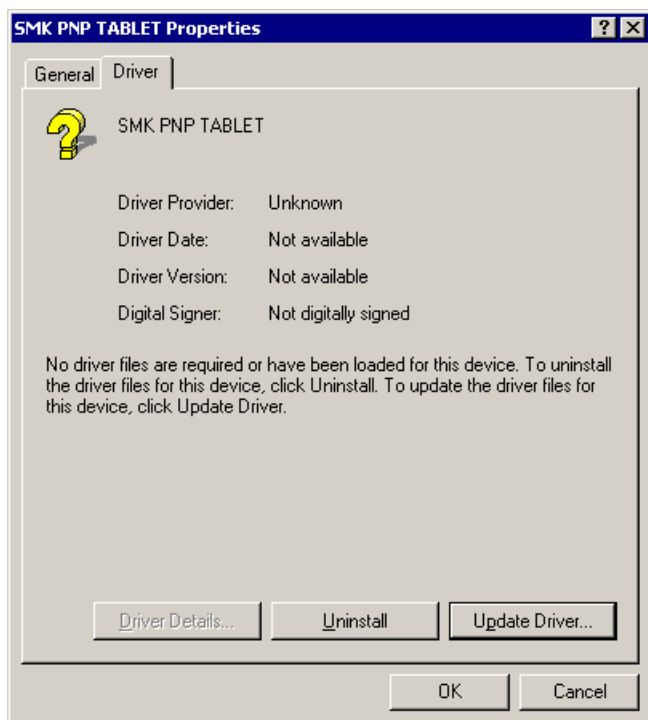


2.2. Installation of SMK Touch Panel Driver

Open the property of “SMK PNP TABLET” under “Other devices” of Device Manager.



Select the “Driver” tab and click on the “Update Driver...” button.



The following window appears. Click on the “Next” button.



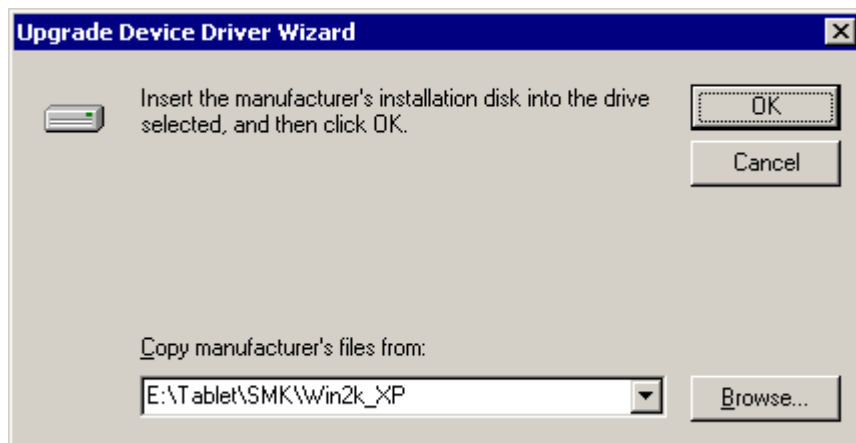
The following window appears. Check the “Search for a suitable driver for my device (recommended)” radio button, and click on the “Next” button”.



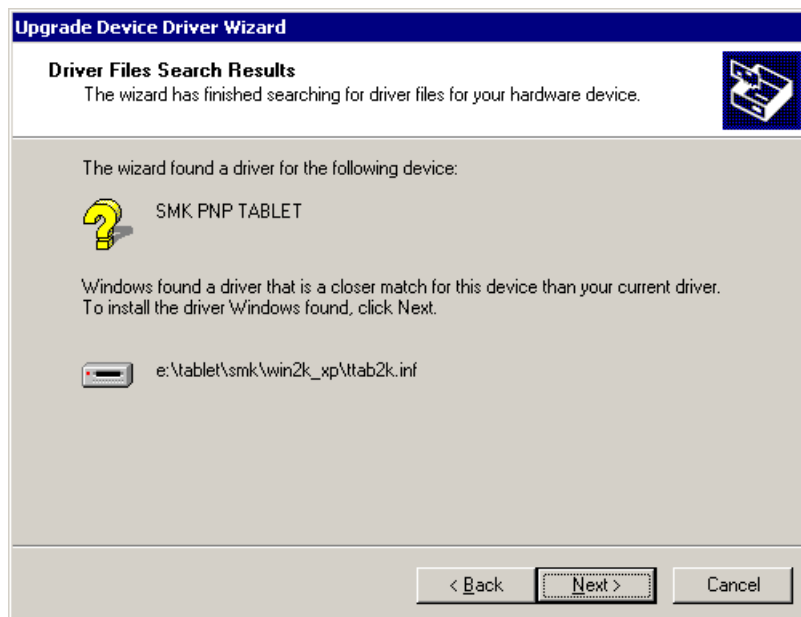
The following window appears. Check the “Specify a location” check box and click on the “Next” button”.



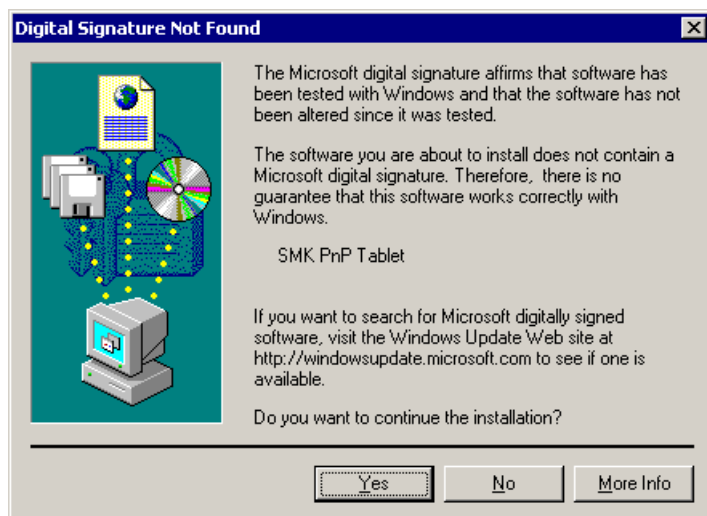
The following window appears. Click on the “Browse...” button and specify “ST-B20¥Display¥TFTST56_LKBST65¥LVDS_via_PCI¥SMKTouchPanel¥2K_XP_WEPOS_PO SReady_Vista_7” folder in the driver kit CD as the file location. Then, click on the “OK” button”.



The following window appears. Click on the “Next” button.



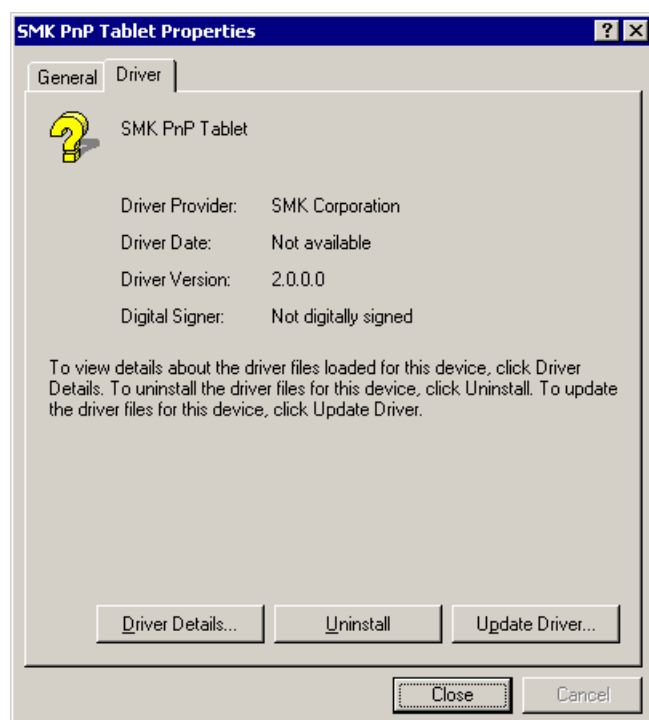
The following window appears. Click on the “Yes” button.



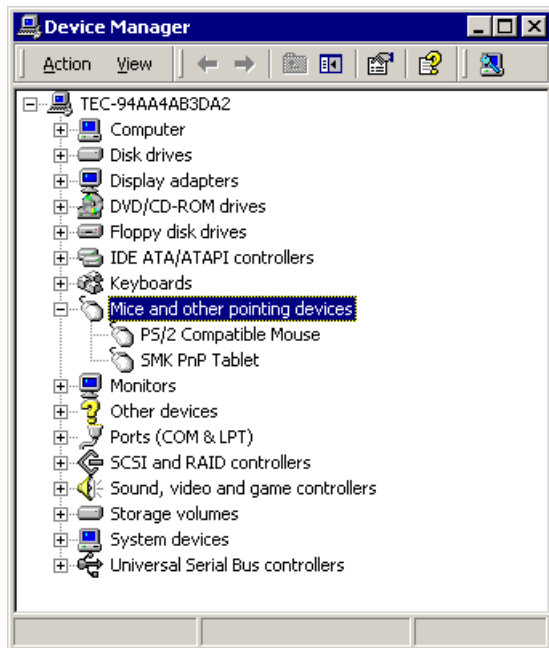
When the installation is completed, the following window appears. Click on the “Finish” button.



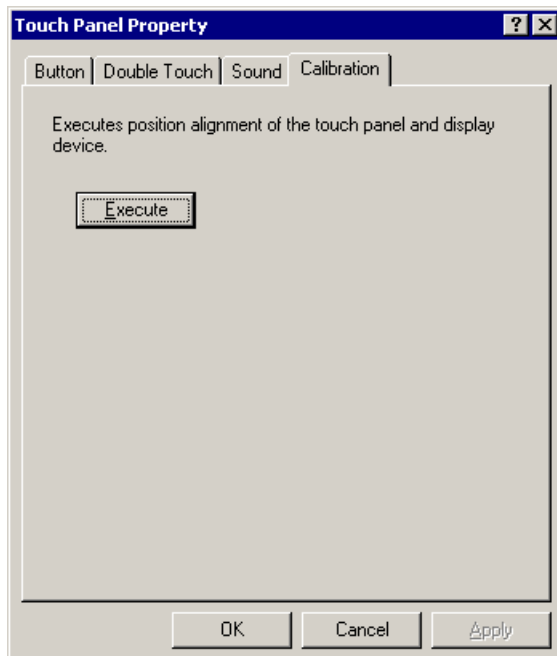
Click on the “Close” button. Then, reboot the computer.



Open Device Manager to confirm the touch panel driver has been installed. Make sure that “SMK PnP Tablet” is registered under the “Mice and other pointing devices”.



Open the SMK “Touch Panel” property of the Control Panel. Then, select “Calibration” tab and click on the “Execute” button.



The following Calibration screen appears. Touch the red marker according to the message.

■

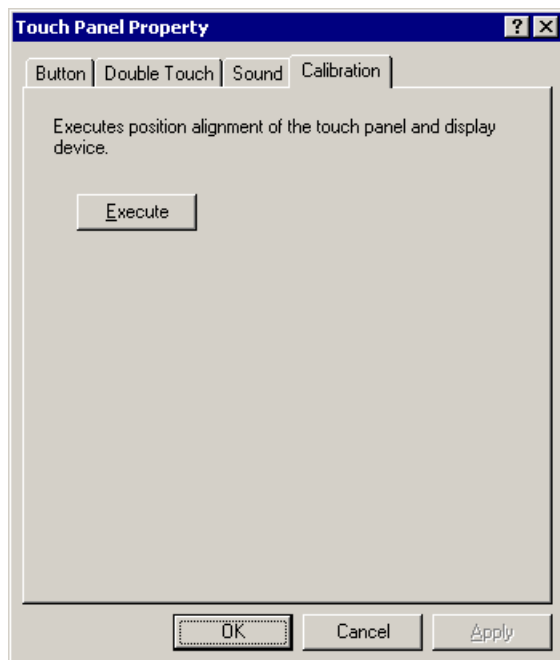
This function is provided to correct deviated input positions on a touch panel.

Touch the red marker according to the following message.

Please push left-upper corner on the display.

Press [ESC] key to terminate program.

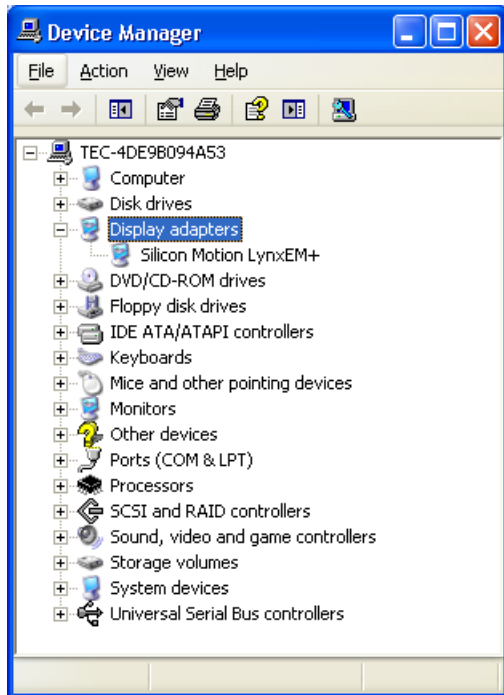
When the Calibration is finished, the Touch Panel Property window appears again. Click on the "OK" button.



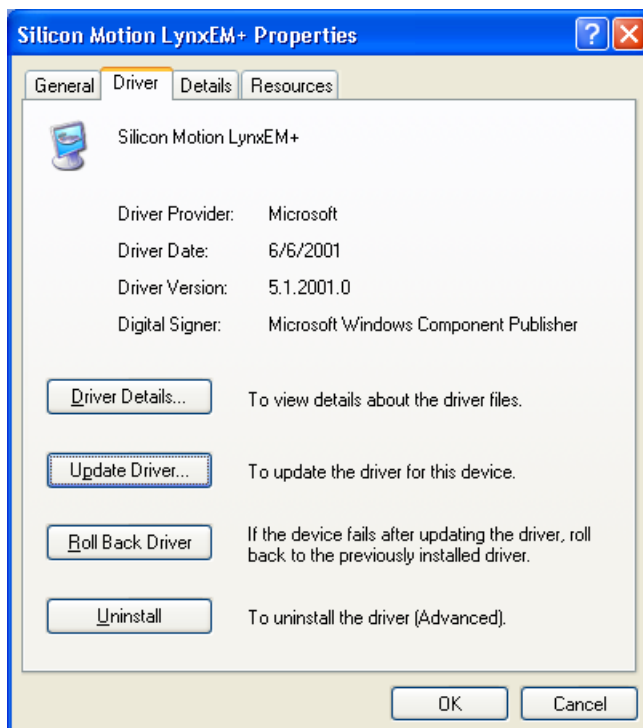
3. Setup for Windows XP (or WEPOS, POSReady 2009)

3.1. Installation of SMI VGA Driver

Open the property of “Silicon Motion LynxEM+” under “Display adapters” of Device Manager.



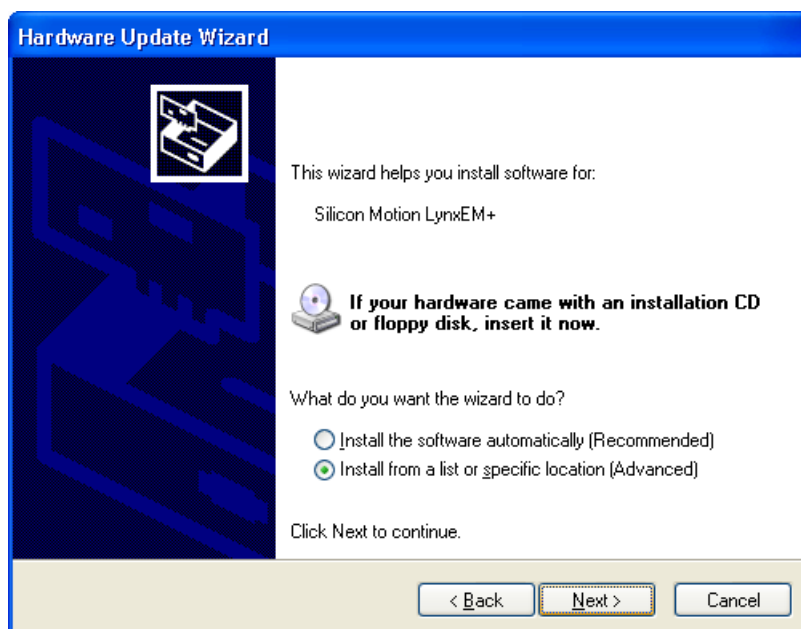
Select “Driver” tab and click on the “Update Driver...” button.



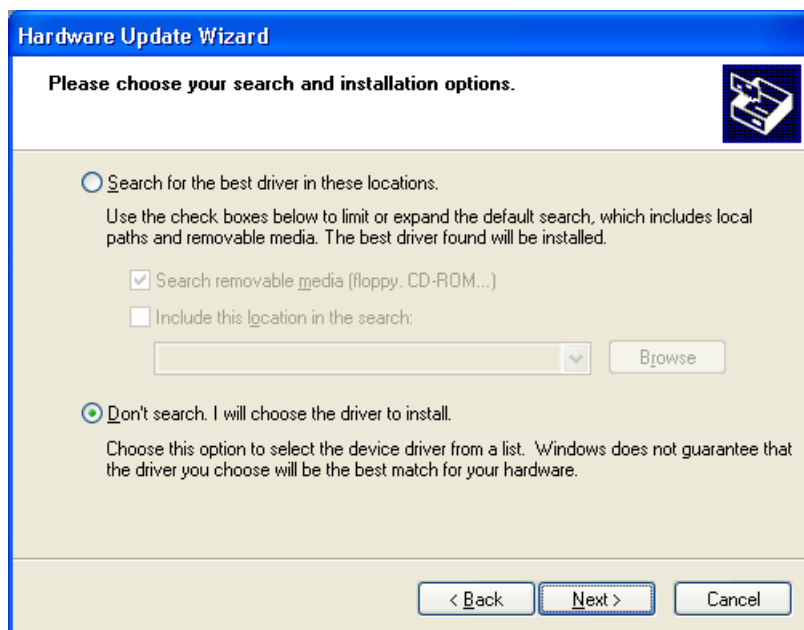
The following window appears. Check the “No, not this time” radio button, and click on the “Next” button.



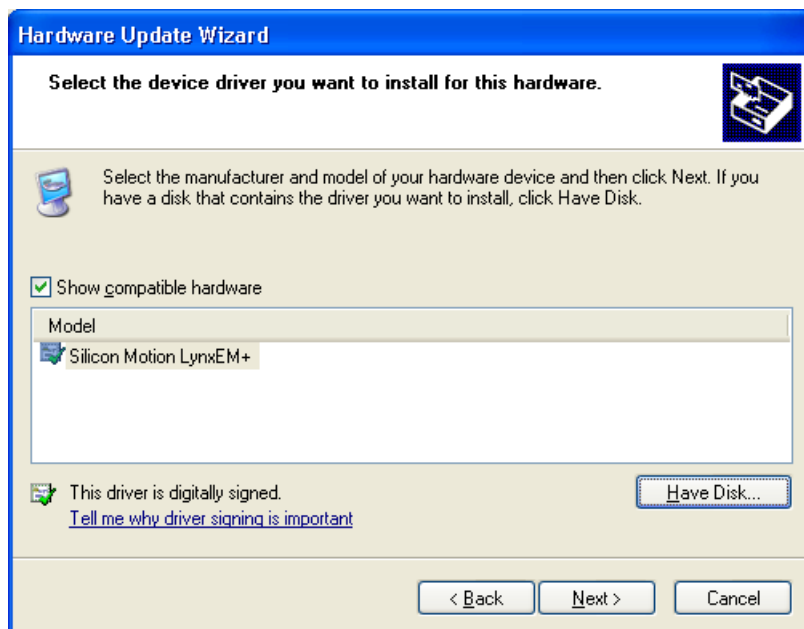
The following window appears. Check the “Install from a list or specific location (Advanced)” radio button, and click on the “Next” button.



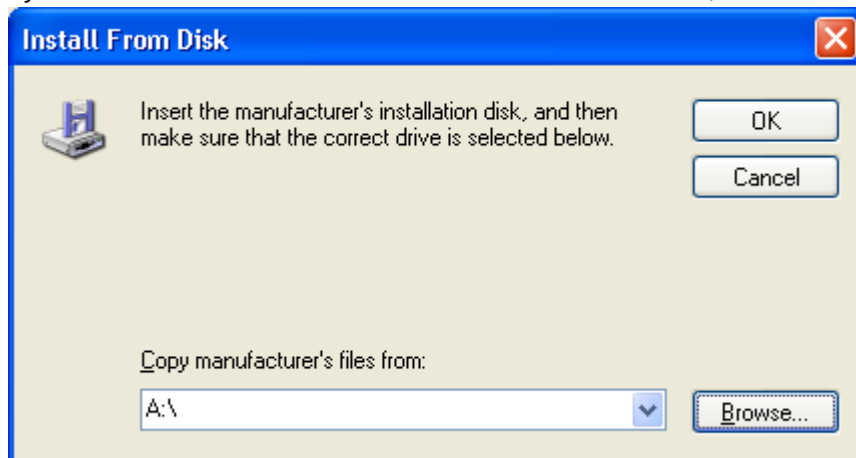
The following window appears. Check the “Don’t search. I will choose the driver to install.” radio button, and click on the “Next” button.



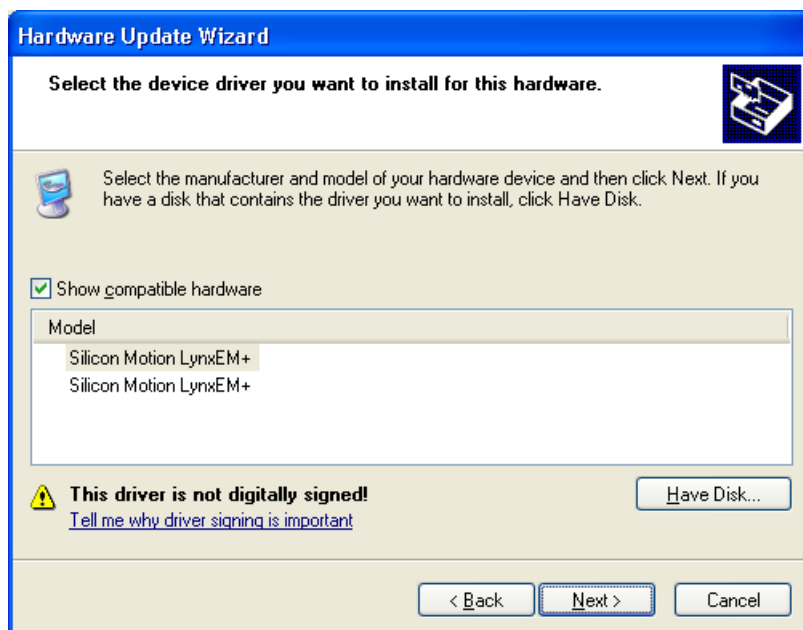
The following window appears. Click on the “Have Disk...” button.



The following window appears. Click on the "Browse..." button and specify "ST-B20¥Display¥TFTST56_LKBST65¥LVDS_via_PCI¥PCICardDriver¥XP_WEPOS_POSReady" folder in the driver kit CD as the driver location. Then, click on the "OK" button".



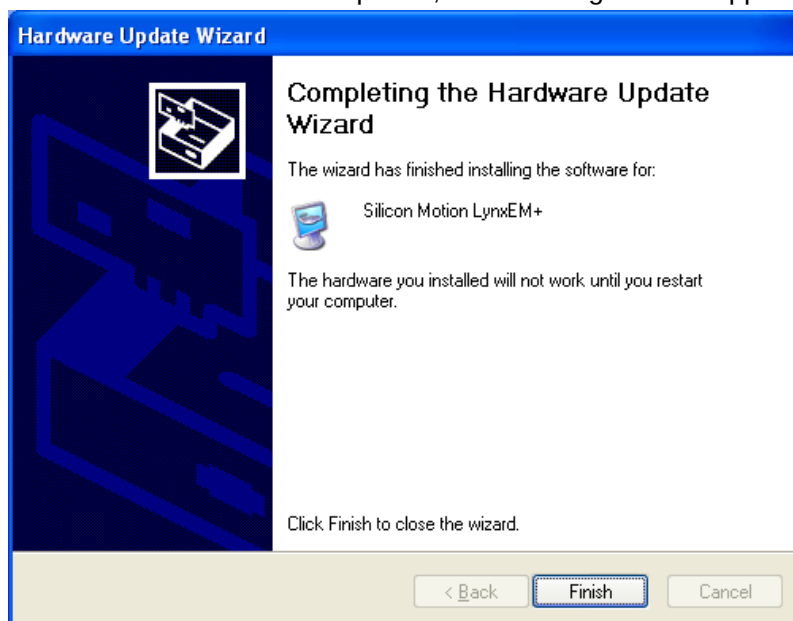
Click on the "Next" button.



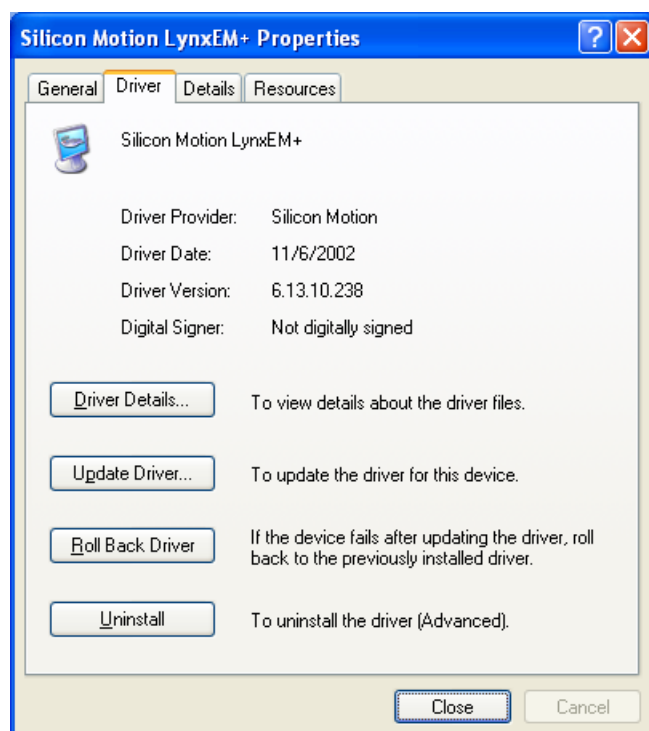
The following window appears, click on the “Continue Anyway” button. (In the case of Windows XP)



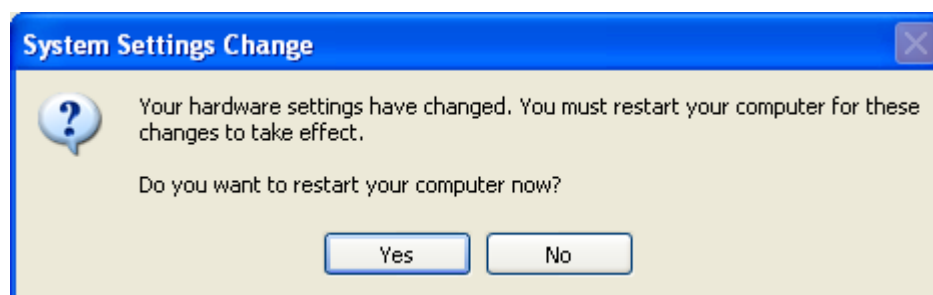
When the installation is completed, the following window appears. Click on the “Finish” button.



Click on the “Close” button.

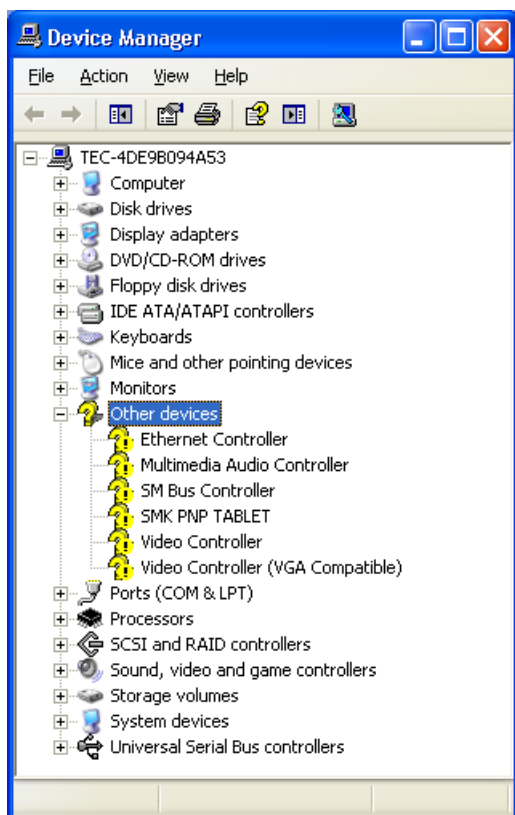


The following window appears. Click on the “Yes” button to reboot the computer.

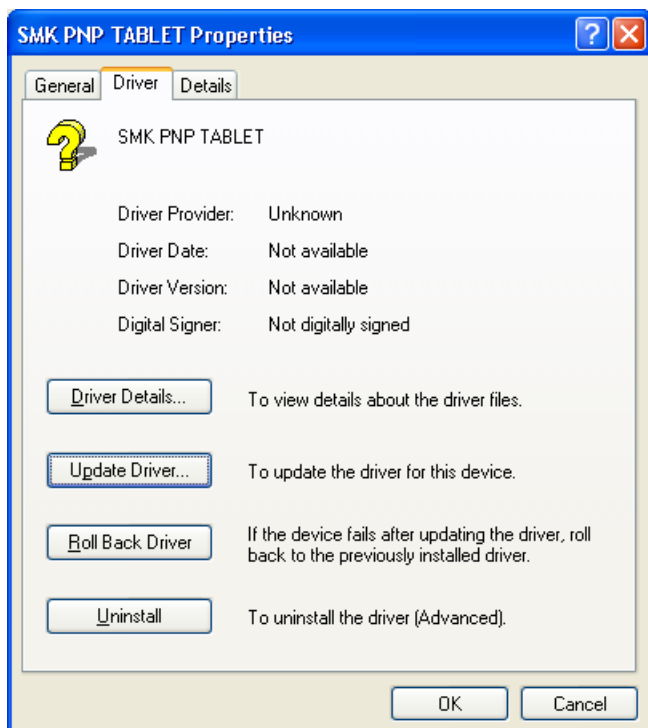


3.2. Installation of SMK Touch Panel Driver

Open the property of “SMK PNP TABLET” under “Other devices” of Device Manager.



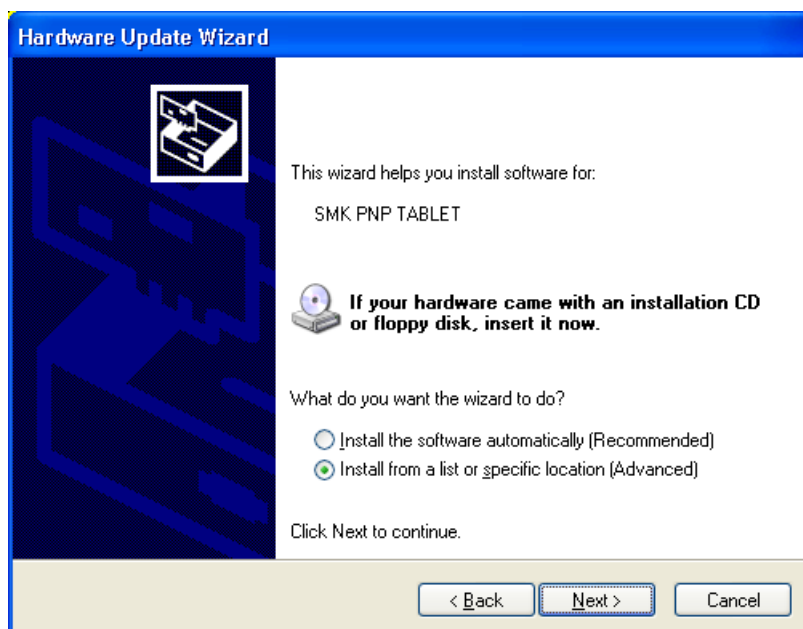
Select “Driver” tab and click on the “Update Driver...” button.



The following window appears. Check the “No, not this time” radio button, and click on the “Next” button.

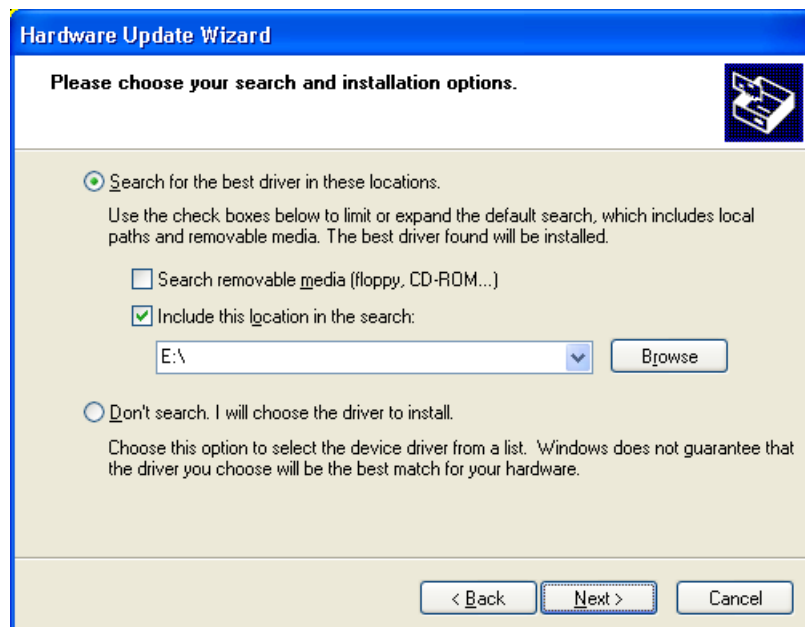


The following window appears. Check the “Install from a list or specific location (Advanced)” radio button, and click on the “Next” button.



The following window appears. Check the “Search for the best driver in these locations.” radio button and check the “include this location in the search.” check box. Configure the necessary settings, click “Browse” button and specify

“ST-B20¥Display¥TFTST56_LKBST65¥LVDS_via_PCI¥SMKTouchPanel¥2K_XP_WEPOS_PO SReady_Vista_7” in the driver kit CD as the driver location. Then, click on the “Next” button.



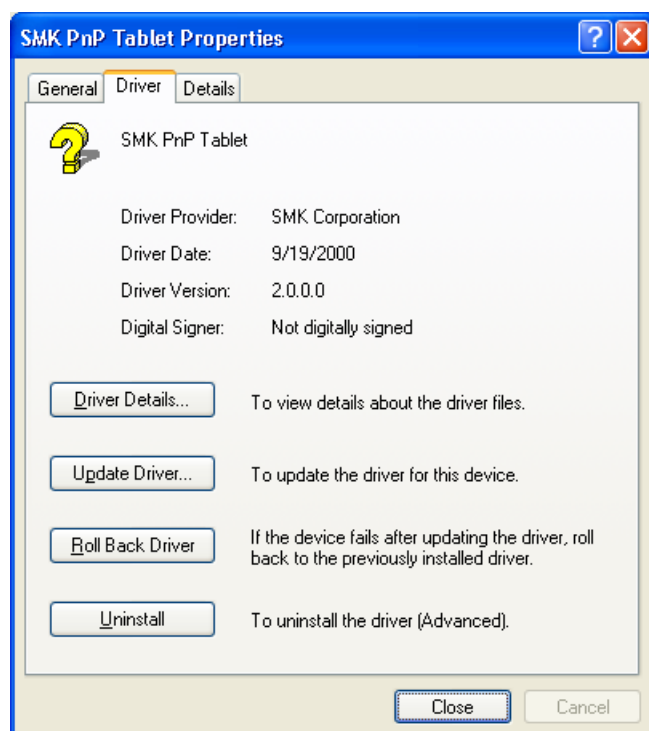
When the following window appears, click on the “Continue Anyway” button. (In the case of Windows XP)



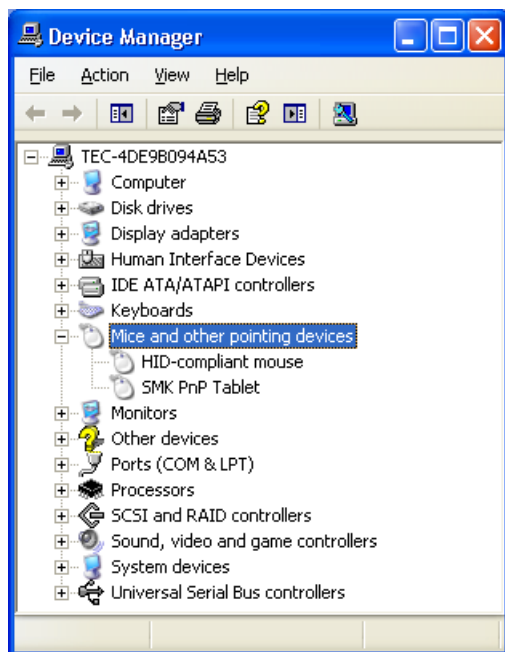
When the installation is completed, the following window appears. Click on the “Finish” button.



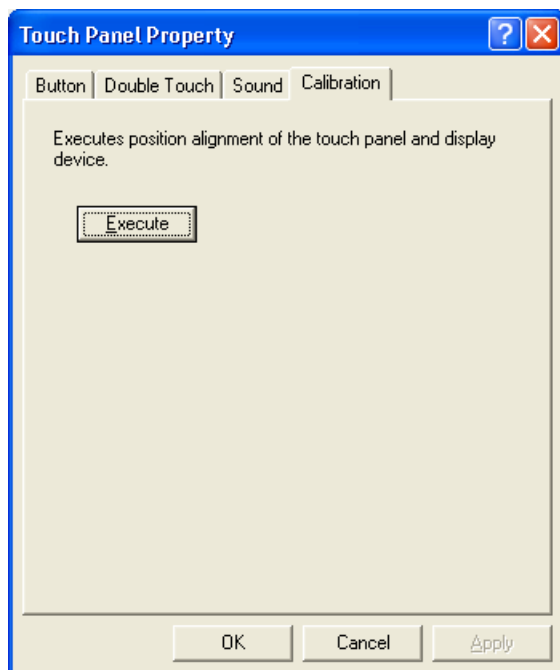
Click on the “Close” button. Then, reboot the computer.



Open Device Manager to confirm the touch panel driver has been installed. Make sure that “SMK PnP Tablet” is registered under the “Mice and other pointing devices”.



Open the SMK “Touch Panel” property of the Control Panel. Then, select “Calibration” tab and click on the “Execute” button.



The following calibration screen appears. Touch the red marker according to the message.

■

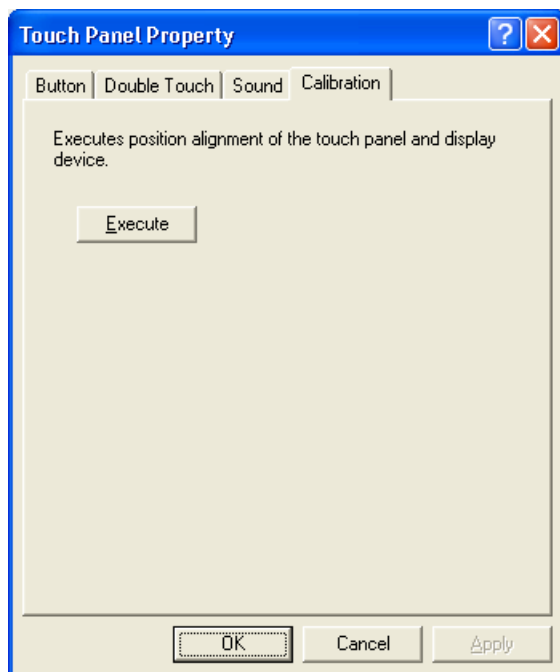
This function is provided to correct deviated input positions on a touch panel.

Touch the red marker according to the following message.

Please push left-upper corner on the display.

Press [ESC] key to terminate program.

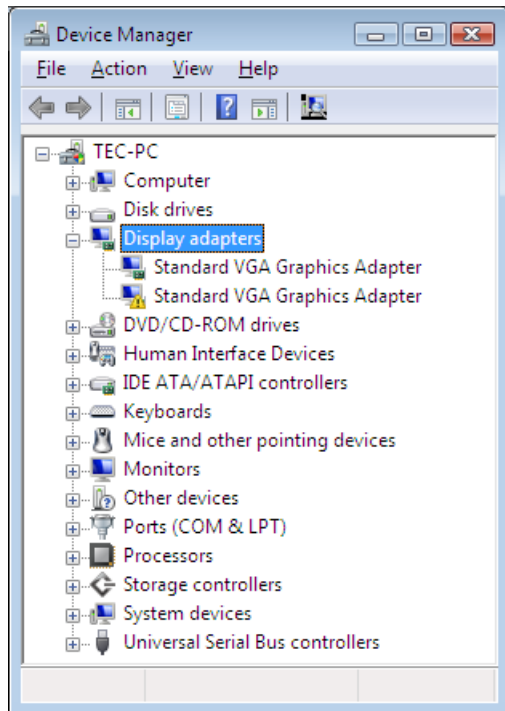
When the Calibration is finished, the Touch Panel Property window appears again. Click on the "OK" button.



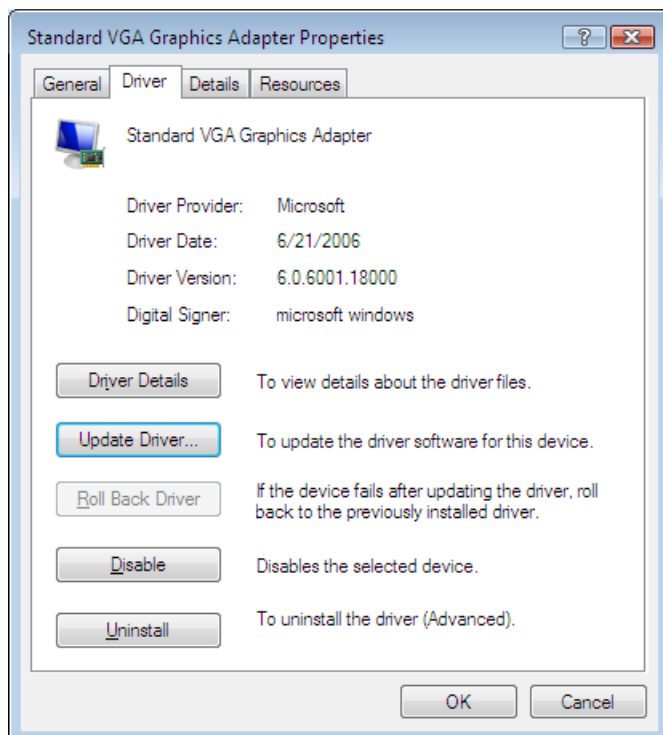
4. Setup for Windows Vista Business and Windows 7 Professional

4.1. Installation of SMI VGA Driver

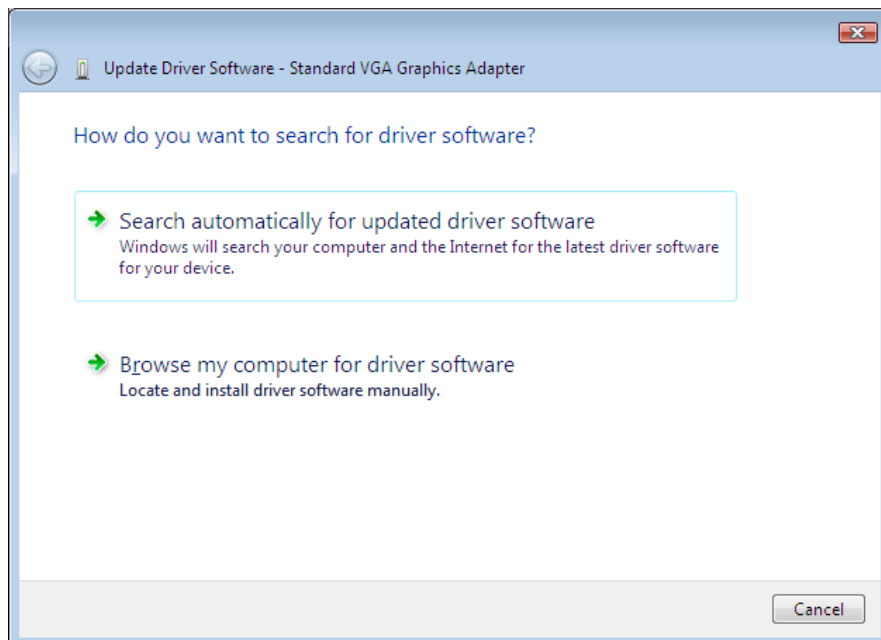
Open the property of recognized “Standard VGA Graphics Adapter” (free from exclamation mark) under “Display adapters” of Device Manager.



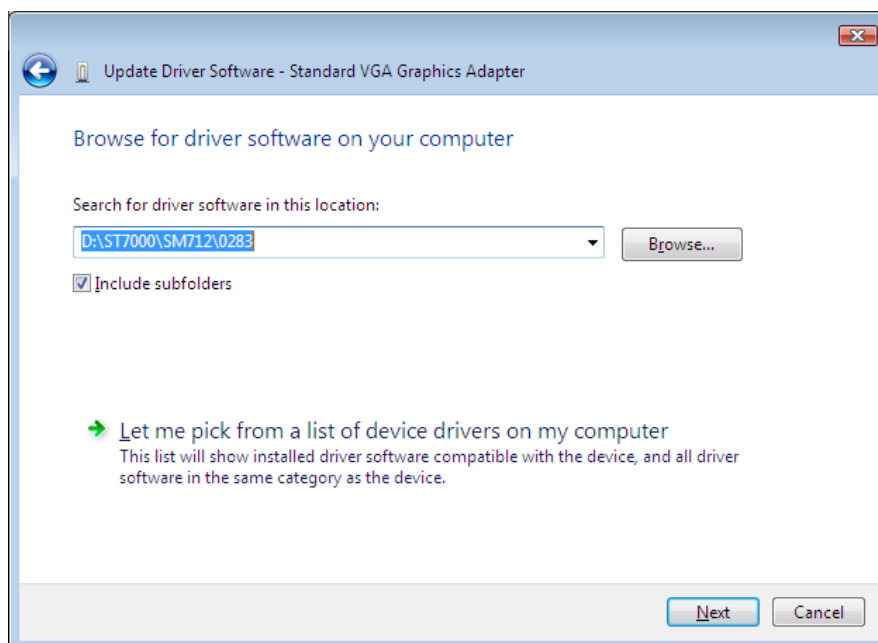
Select “Driver” tab and click on the “Update Driver...” button.



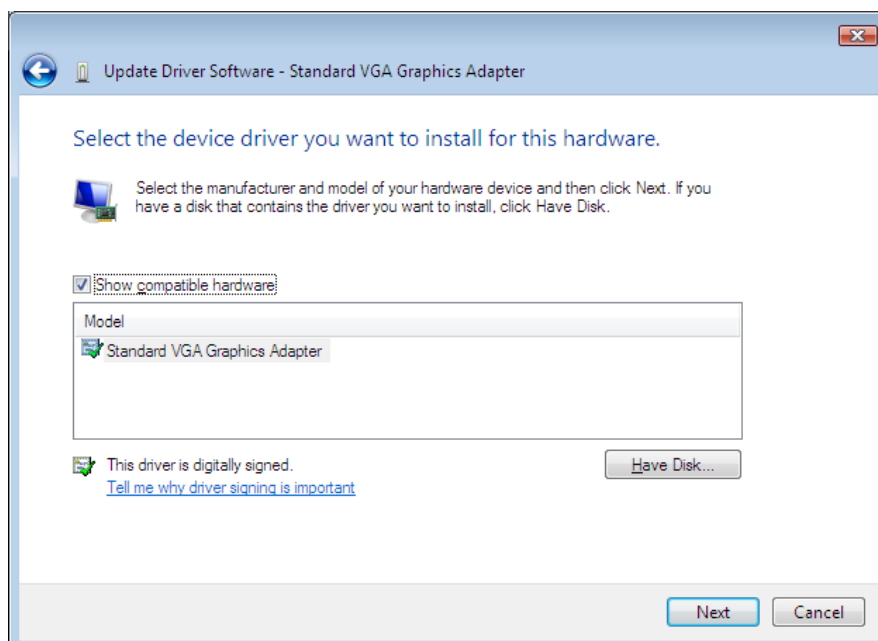
The following window appears. Click on the “Browse my computer for driver software” button.



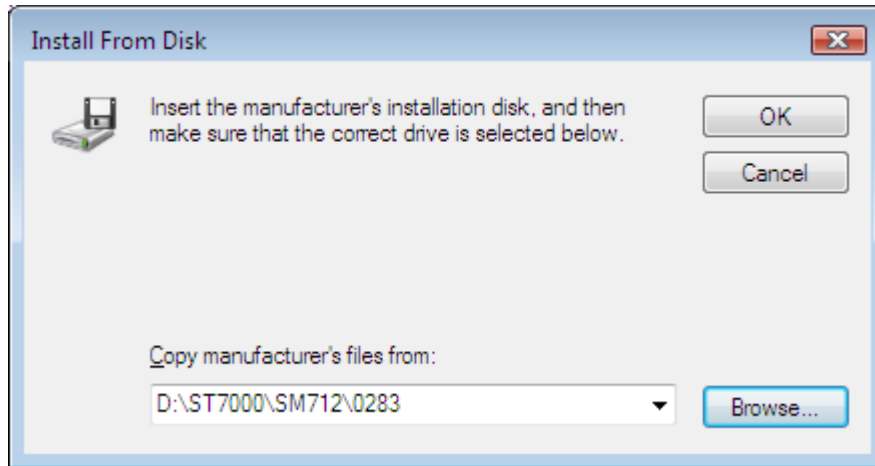
The following window appears. Click on the “Let me pick from a list of device drivers on my computer” button.



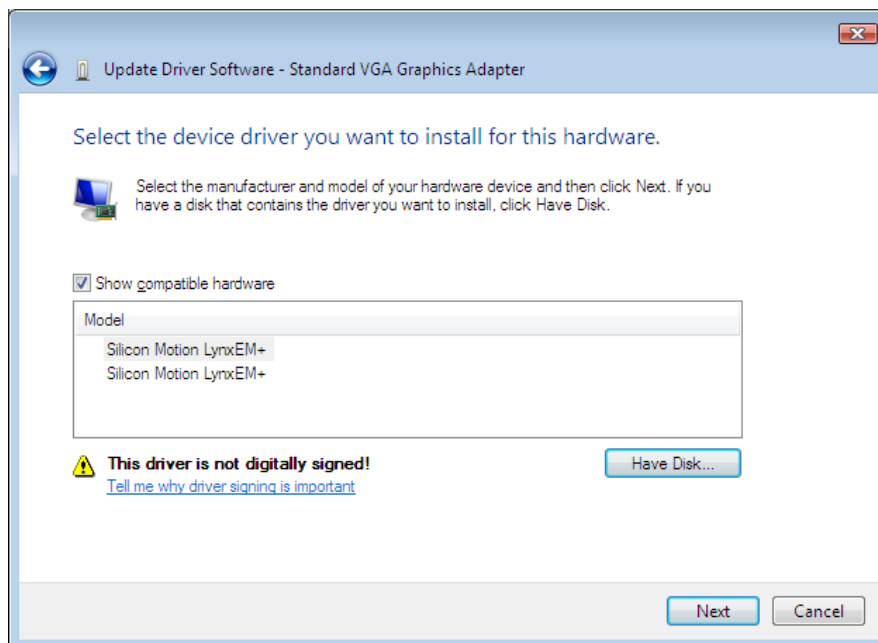
The following window appears. Click on the “Have Disk...” button.



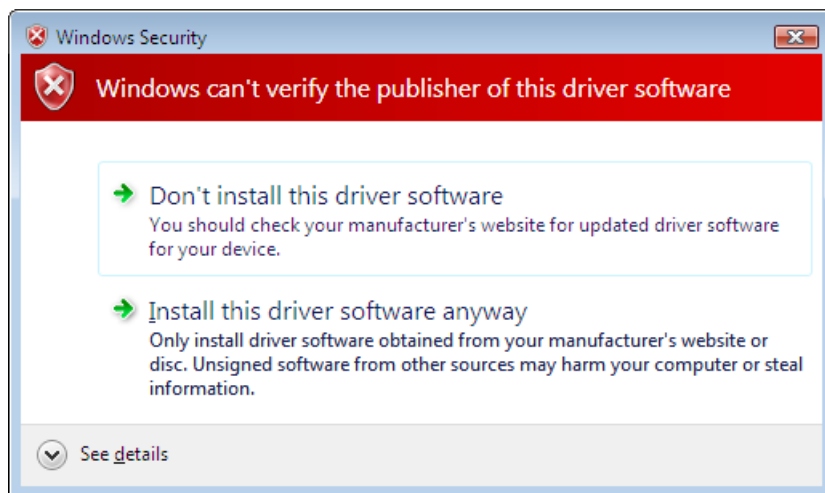
The following window appears. Click on the "Browse..." button and specify "ST-B20¥Display¥TFTST56_LKBST65¥LVDS_via_PCI¥PCICardDriver¥Vista_7" folder in the driver kit CD as the driver location. Then, click on the "OK" button".



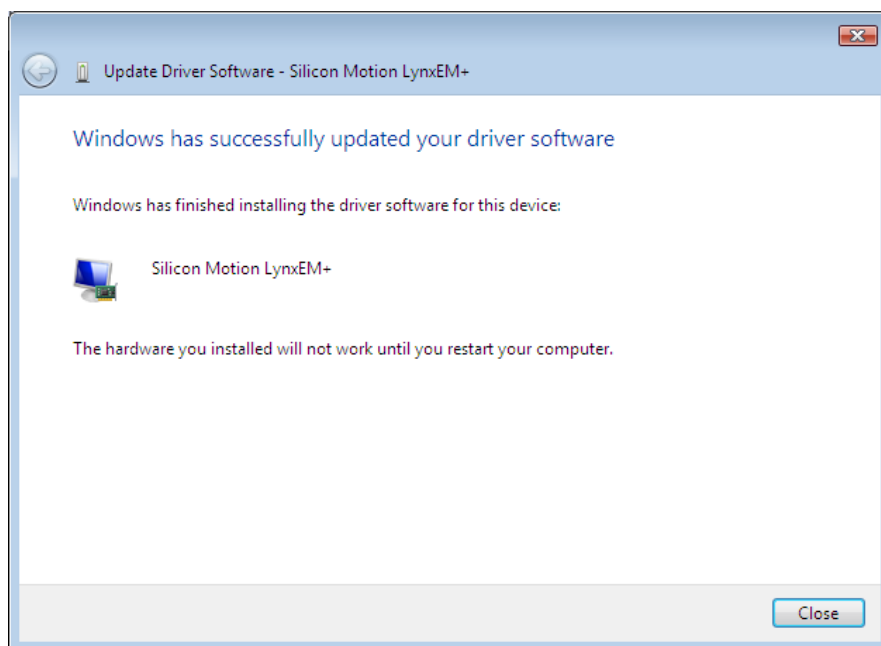
Click on the "Next" button.



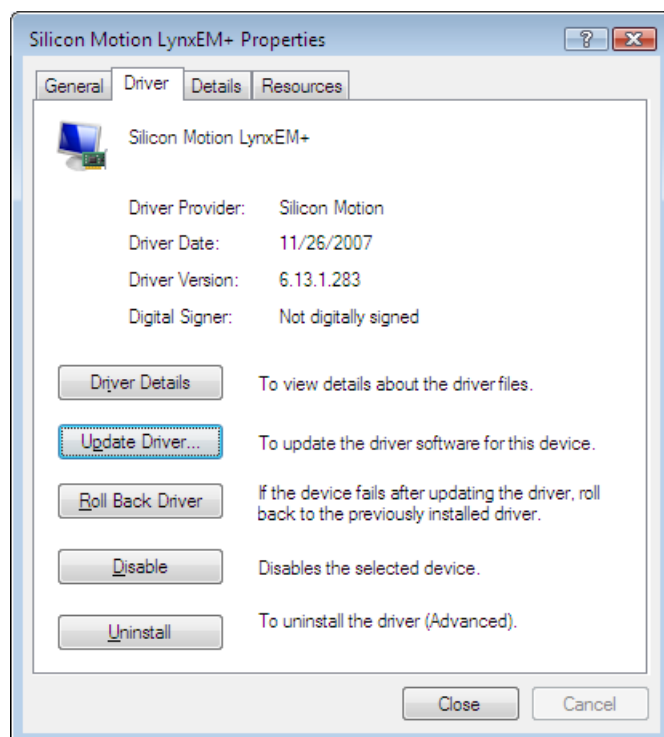
The following window appears, click on the “Install this driver software anyway” button.



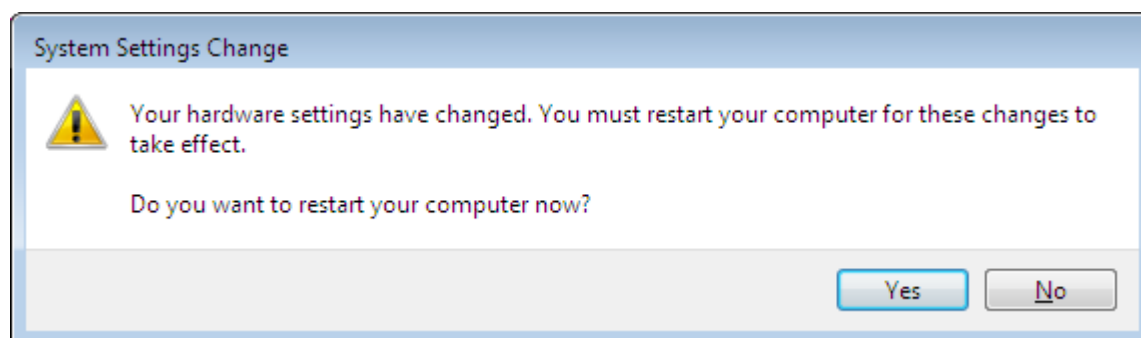
When the installation is completed, the following window appears. Click on the “Close” button.



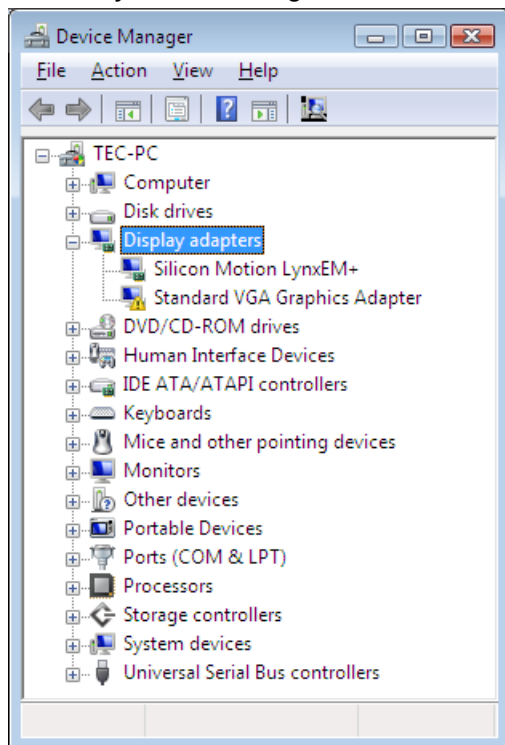
Click on the “Close” button.



The following window appears. Click on the “Yes” button to reboot the computer.

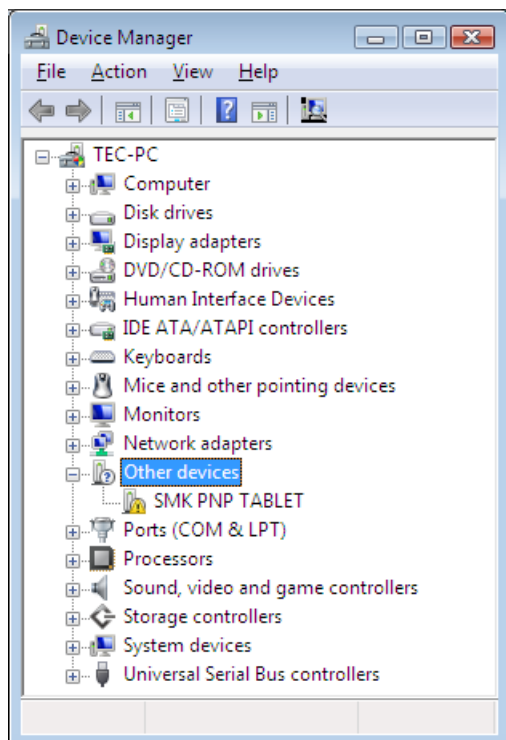


Open Device Manager to confirm the graphic driver has been installed. Make sure that “Silicon Motion LynxEM+” is registered under the “Display adapters”.

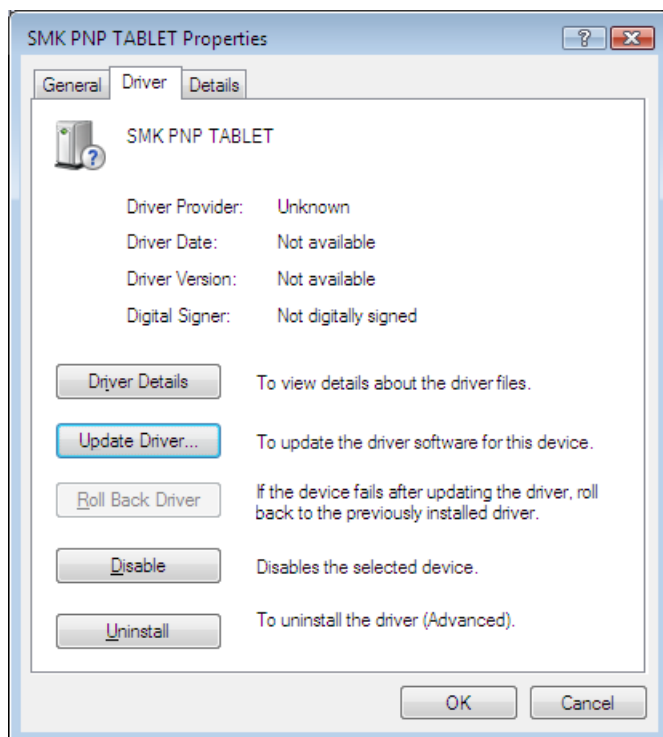


4.2. Installation of SMK Touch Panel Driver

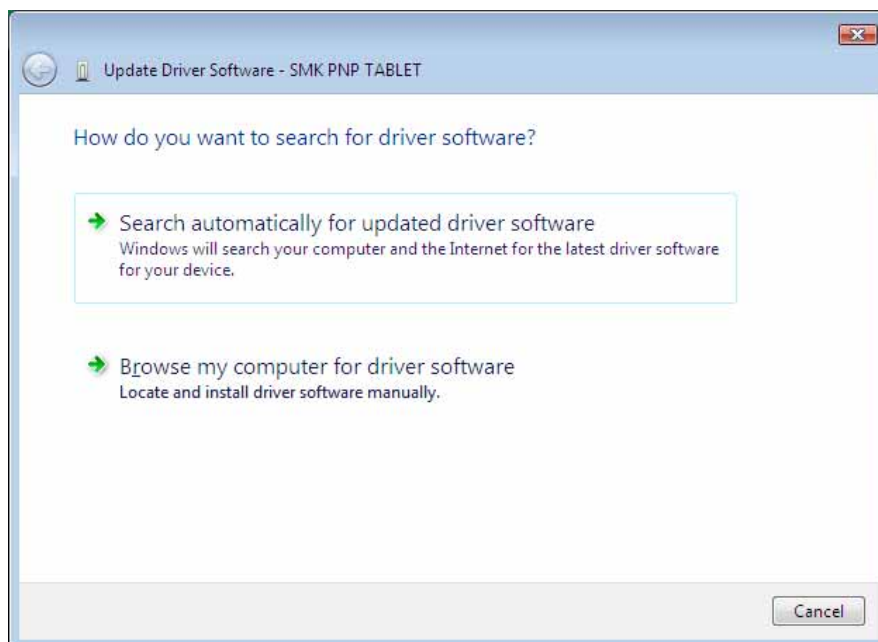
Open the property of “SMK PNP TABLET” under “Other devices” of Device Manager.



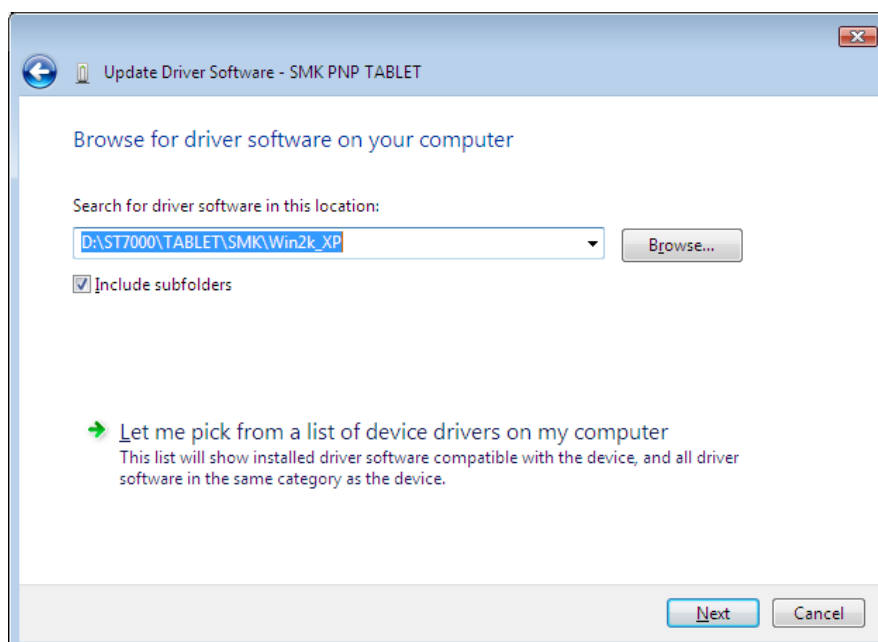
Select “Driver” tab and click on the “Update Driver...” button.



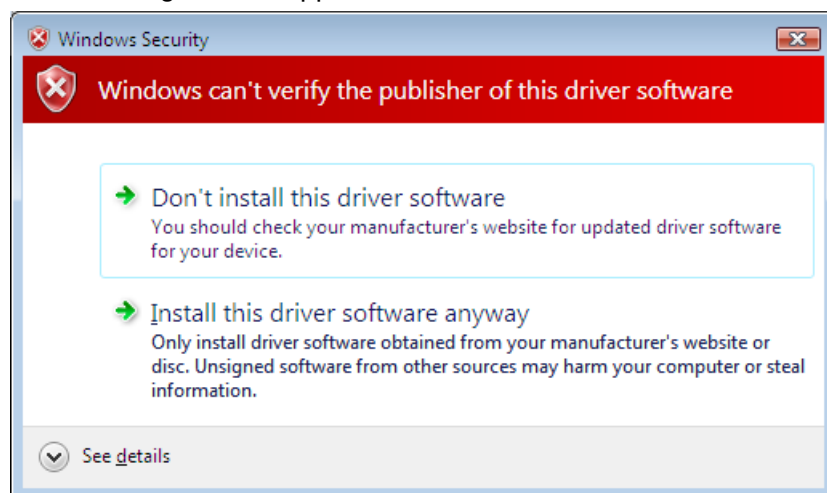
The following window appears, click on the “Browse my computer for driver software” button.



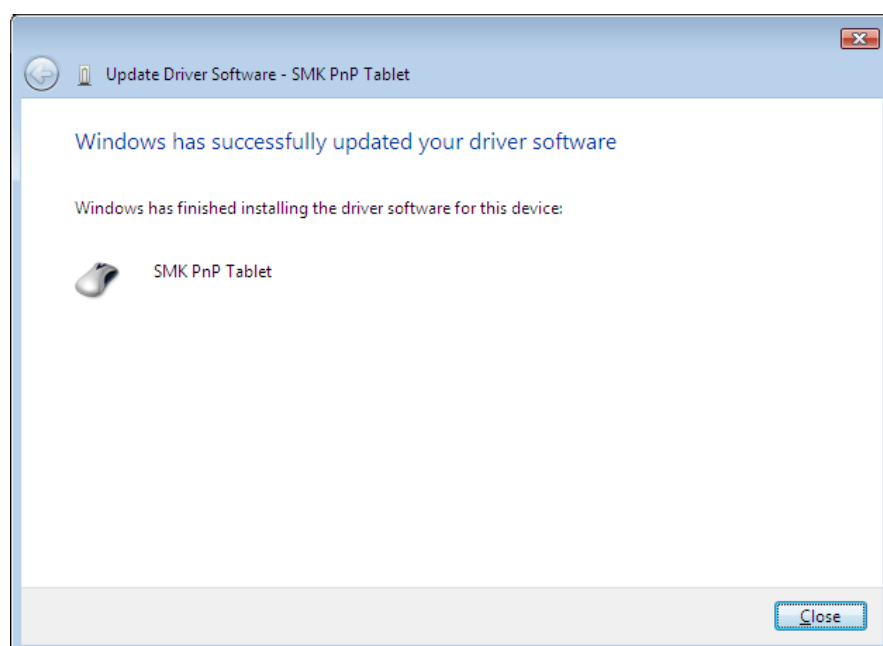
The following window appears. Click on the “Browse...” button and specify “ST-B20¥Display¥TFTST56_LKBST65¥LVDS_via_PCI¥SMKTouchPanel¥2K_XP_WEPOS_PO SReady_Vista_7” folder in the driver kit CD as the driver location. Then, click on the “Next” button”.



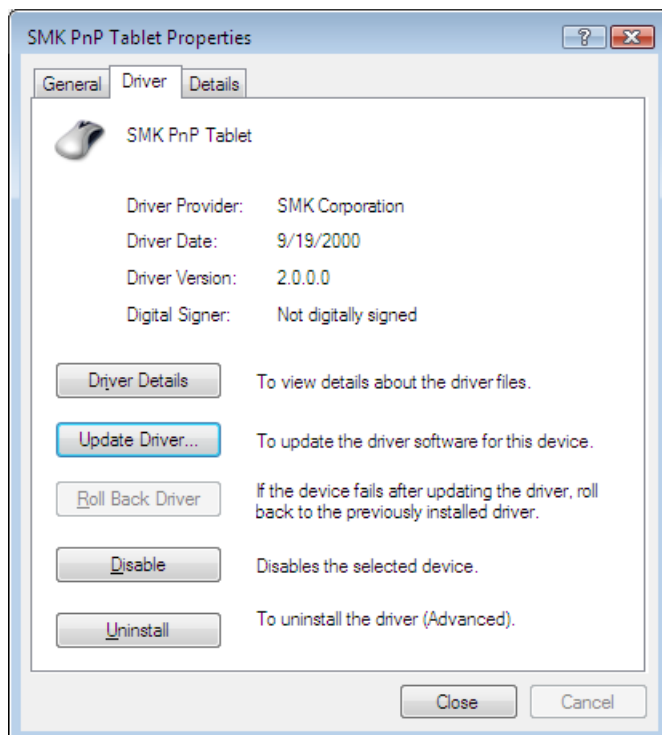
The following window appears, click on the “Install this driver software anyway” button.



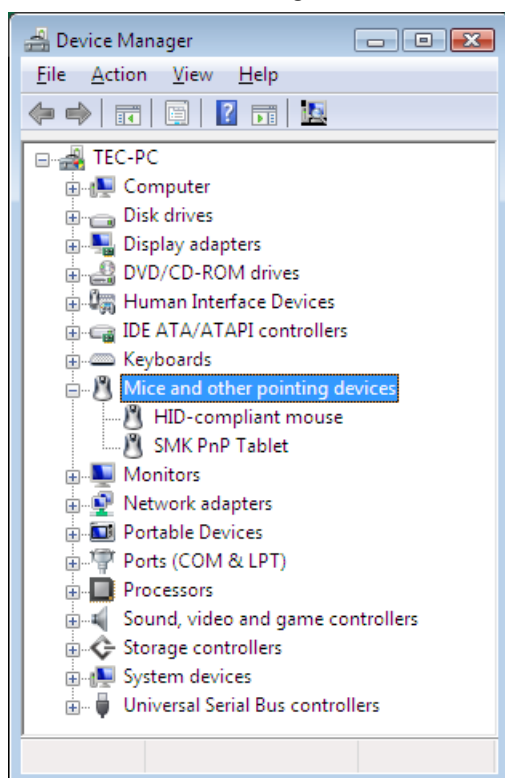
When the installation is completed, the following window appears. Click on the “Close” button.



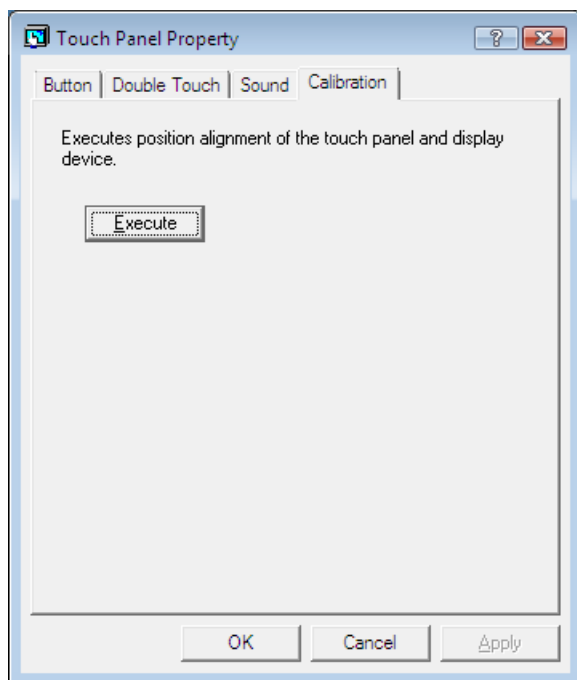
Click on the “Close” button. Then, reboot the computer.



Open Device Manager to confirm the touch panel driver has been installed. Make sure that “SMK PnP Tablet” is registered under the “Mice and other pointing devices”.



Open the SMK “Touch Panel” property of the Control Panel. Then, select “Calibration” tab and click on the “Execute” button.



The following calibration screen appears. Touch the red marker according to the message.

■

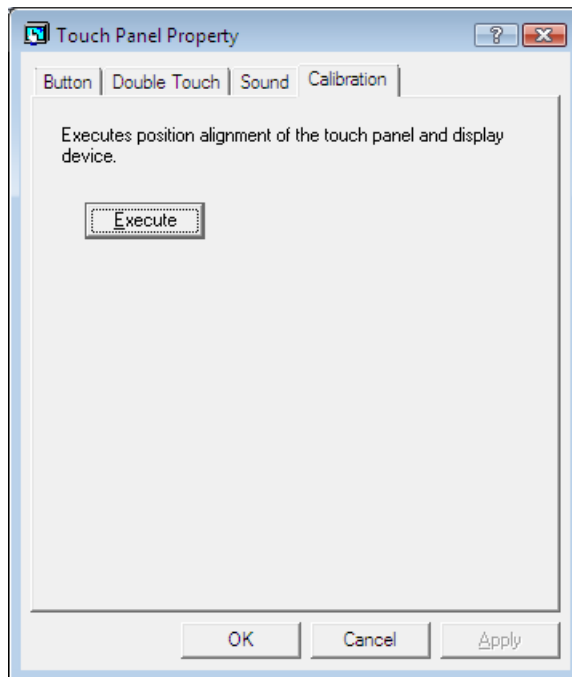
This function is provided to correct deviated input positions on a touch panel.

Touch the red marker according to the following message.

Please push left-upper corner on the display.

Press [ESC] key to terminate program.

When the Calibration is finished, the Touch Panel Property window appears again. Click on the “OK” button.



5. Notice and Limitation

In the case of using TFTST-56, LKBST-65 (PCI Card) with Windows 2000, the computer can not return from standby state.

In the case of using TFTST-56, LKBST-65 (PCI Card) with Windows Vista, the computer can not become standby state.

In the case of using TFTST-56, LKBST-65 (PCI Card) with Windows 7, the computer can not become standby state.