TSCB-9516

Drivers Installation Guide

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CHAPTER 1

Introduction

Chapter 1 Introduction

The touch screen drivers for different operating systems are included in the "HMI Products Drivers Utilities" CD-ROM. You could install the touch screen drivers from the utility CD-ROM or a floppy disk drive. If you want to install the drivers from a floppy disk, you need to copy the drivers from the utility CD-ROM first.

Touch screen drivers for DOS, Windows 3.1/95/98/2000 andWindows NT are now supported. The touch screen drivers for the supported OS are under the following path:

Windows 95, 98 driver:
\Touchscreen-DRV\TSCB-9516\Win9x\

Windows NT driver:
\Touchscreen-DRV\TSCB-9516\WinNT\

Windows 2000 driver:
\Touchscreen-DRV\TSCB-9516\Win2000\

Windows 3.1 & DOS driver:
\Touchscreen-DRV\TSCB-9516\Win31&DOS\

Note:

Following the installation procedures, "D" represents the CD-ROM or floppy disk drive which includes the touchscreen drivers

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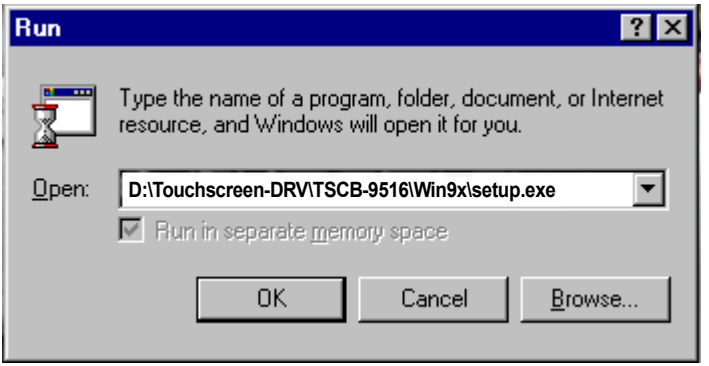
CHAPTER 2

Driver Installation for Windows 95/98

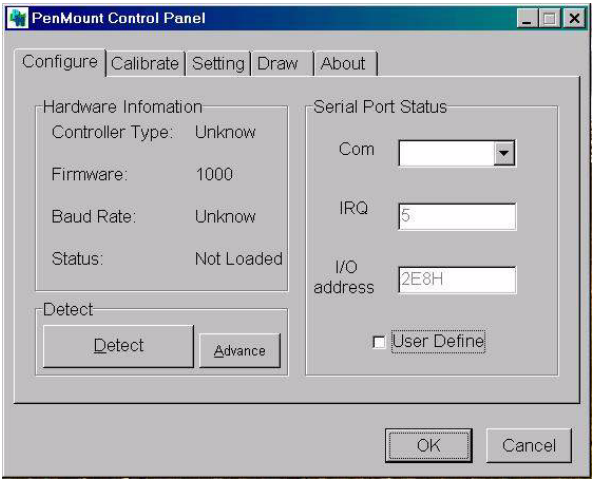
Chapter 2 Installation for Windows 95/98

2.1 95/98 Installation Steps

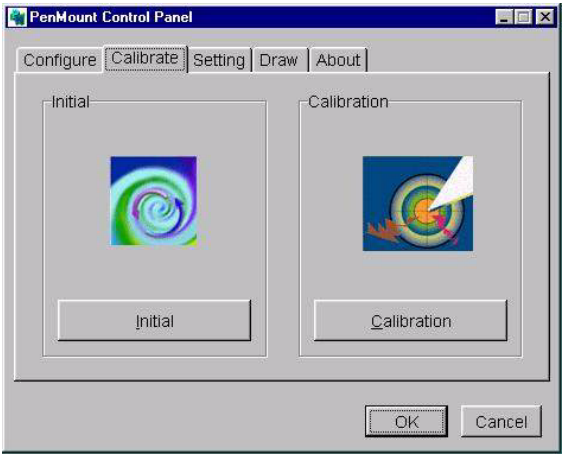
1. A. Select Start menu and then click Run
   B. Type
      D:\Touchscreen-DRV\TSCB-9516\Win9x\setup.exe
   C. Press OK
   D. Follow the instructions for the setup processs Adapter



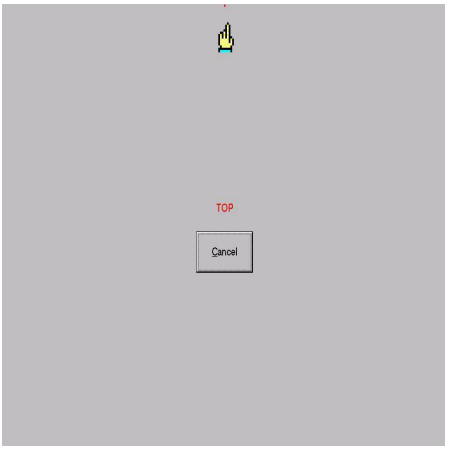
2. A. Click the Detect button
   B. Press OK and the system will reboot



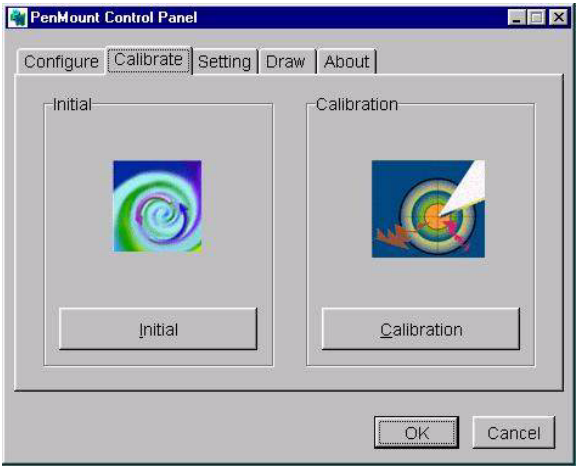
3. A. After the system reboots, click Start, Programs, Pen Mount Utili ties, PenMount Control Panel
   B. Select the Calibrate tab
   C. Click the Calibrations button on the right



4. A. Use a soft stylus to press the little red dot located above the finger icon
   B. Repeat the process according to the sequence: top, right, bottom, and left



5. Press OK


PenMount Control Panel
Configure
Calibrate
Setting
Draw
About
Initial
Calibration
Initial
Calibration
OK
Cancel

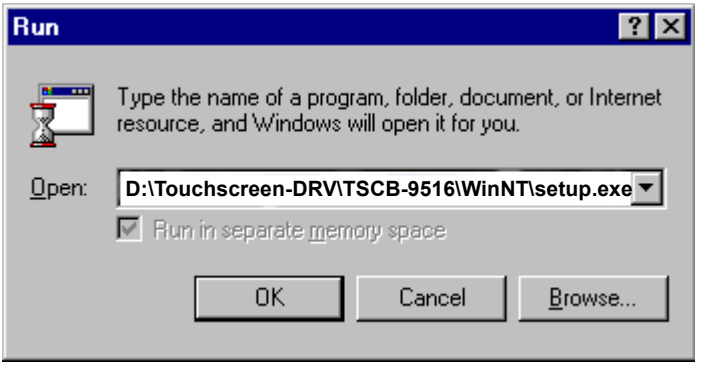
CHAPTER 3

Driver Installation for Windows NT

Chapter 3 Installation for Windows NT

3.1 Win NT Installation Steps

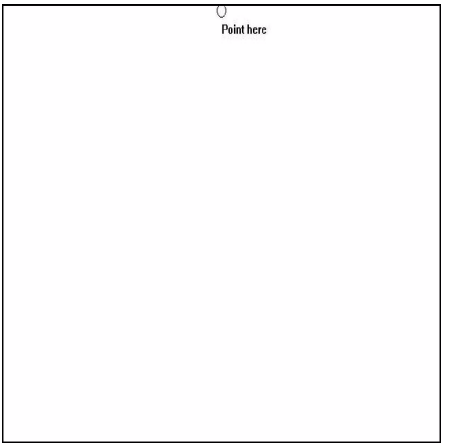
1. A. Select Start menu and then click Run
   B. Type
      D:\Touchscreen-DRV\TSCB-9516\WinNT\setup.exe
   C. Press OK
   D. Follow the instructions for the setup process



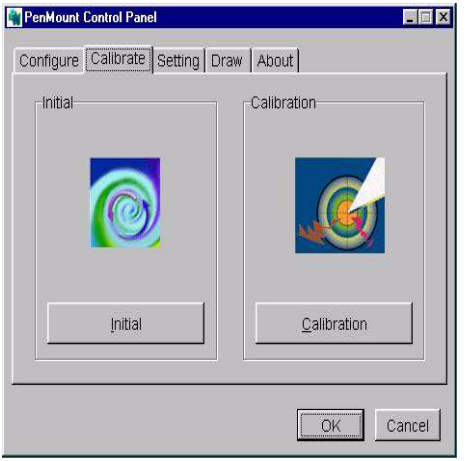
2. A. Click the Detect button
   B. Press OK and the system will reboote

3. A. After the system reboots, click Start, Programs, Pen Mount Utili ties, PenMount Control Panel
   B. Select the Calibrate tab
   C. Click the Calibrations button on the right

4. A. Use a soft stylus to press the little red dot located above the finger icon
   B. Repeat the process according to the sequence: top, right, bottom, and left



5. Press OK


PenMount Control Panel
Configure
Calibrate
Setting
Draw
About
Initial
Calibration
Initial
Calibration
OK
Cancel

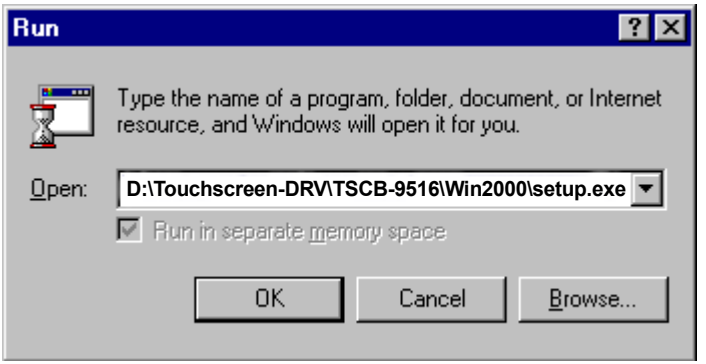
CHAPTER 4

Driver Installation for Windows 2000

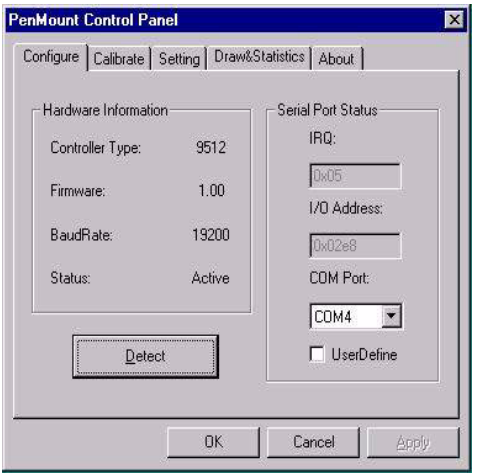
Chapter 4 Installation for Windows 2000

4.1 Win 2000 Installation Steps

1. A. Select Start menu and then click Run
   B. Type
      D:\Touchscreen-DRV\TSCB-9516\Win2000\setup.exe
   C. Press OK
   D. Follow the instructions for the setup process

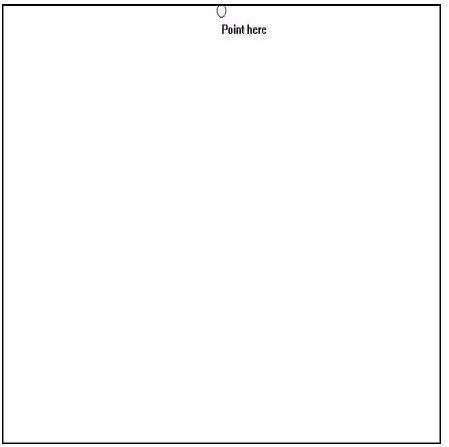


2. A. Click the Detect button
   B. Press OK and the system will reboote

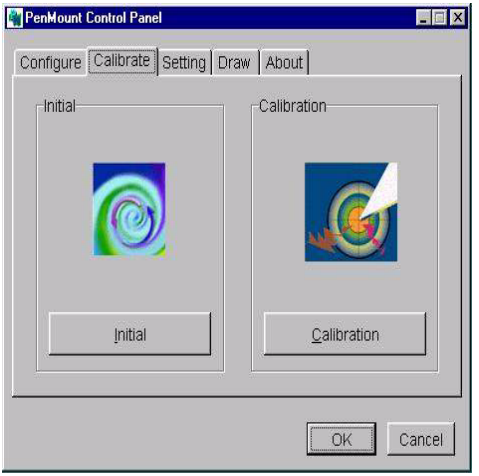


3. A. After the system reboots, click Start, Programs, Pen Mount Utili ties, PenMount Control Panel
   B. Select the Calibrate tab
   C. Click the Calibrations button on the right

4. A. Use a soft stylus to press the little red dot located above the finger icon
   B. Repeat the process according to the sequence: top, right, bottom, and left



5. Press OK


PenMount Control Panel
Configure
Calibrate
Setting
Draw
About
Initial
Calibration
Initial
Calibration
OK
Cancel

CHAPTER 5

Driver Installation for Windows 3.1 & DOS

Chapter 5 Installation for Windows 3.1 & DOS

5.1 Win 3.1 and DOS Drivers Installation

1. A. Insert the driver CD to CD-ROM drive.
   B. Type
   "\Touchscreen-DRV\TSCB-9516\Win31&DOS\install"
   C. A pop-up window will display "Salt International Corp. PenMount Install Utilities. Press ENTER key to allow PenMount install the drivers to drive C or use keyboard to key-in the hard disk drive that you plan to install the driver." Press **ENTER**.
   D. The pop-up window will ask "Do you want to modify your Autoexec.bat to initilaize PenMount? (Y/N)" Choose "Y" to gener ate the initializing instruction in the autoexec.bat files.

2. A. Click the Detect button
   B. Press OK and the system will reboote

5..2 Identify the communication port and IRQ number

A. For first time installation, or to change PenMount Touch Screen's COM port, use PMDETECT (e.g. C:\PENMOUNT\PMDETECT) to check the COM port and IRQ number automatically. The screen will then show:

PenMount is initialized successfully!
Create file "pmouse.cfg". Success.
PenMount internal settings:
Comm. Port: COM<n> IRQ<n>

B. PMDETECT program is able to skip IRQ detecting if you do not need to detect a specified IRQ number. For example, if you do not need to detect IRQ5, the command is :
C:\PENMOUNT\PMDETECT -N5

If you do not need to detect IRQ5 and IRQ9, the command is:

C:\PENMOUNT\PMDETECT -N5 -N9

5.3 Calibration

A. To adjust touch screen mapping properly for the display, use PM.BAT (C:\PENMOUNT\PM) to do calibration..

B. Choose “1” DO CALIBRATION (adjust screen mapping).

C. The message on the pop up window asks you to select video mode number. Select by keyboard to start the calibration, touch the upper-center point, then right-center point, bottom-center point and left-center point in sequence. After calibration, the data will show in the screen. Press any key to continue the progress.

D. After the calibration, suggest you to test touch screen and display mapped results by choose “3” DRAWING TEST under PM.BAT

5.4 Initializing the PenMount driver

A. If you don’t have the initialization commands in AUTOEXEC.BAT, initialize the PenMount controller before you use the PenMount Touch Screen.
C:\PENMOUNT\PMINIT

The display will show the initialization message :

PenMount V7.06 Copyright(c) SALT International Corp.
Test:COM<n> IRQ<n> (<n> is the number after PMDETECT done)
PenMount communication settings: COM<N> IRQ<n> Baud Rate: <xxxx>

5.5 Demonstration

To demonstrate or test touch screen operation, select “3” DRAWING TEST in PM.BAT file of Utility Directory. Drawing on screen.

The other demonstration program called “ICECREAM.EXE” in the “PENMOUNT” directory can also be applied.

Now, the PenMount DOS driver is installed.

5.6 PenMount DOS driver functions

There are several functions in the PenMount DOS driver. The user is able to change the settings of the following utilities:

1) Show Current Setting

A. The current setting data could be found from PM.BAT file.
B. The procedure to get the status is C:\PENMOUNT\PM
C. Choose “2” to SHOW CURRENT SETTINGS

2) Beep Sound On or Off

A. Beep sound is able to set ON or OFF with parameter.
B. Enable Beep Sound command is
C:\PENMOUNT\PMOUSE /S
C. Disable Beep Sound (Default) command is
C:\PENMOUNT\PMOUSE

3) Getting current touch's data

A. To get the touching data, use "PMGET.EXE" utility. This utility is only available for COM 1 or COM 2 port.
C:\PENMOUNT\PMGET <COM port> <baud rate>
B. User will see the touching point address in the pop-up window.