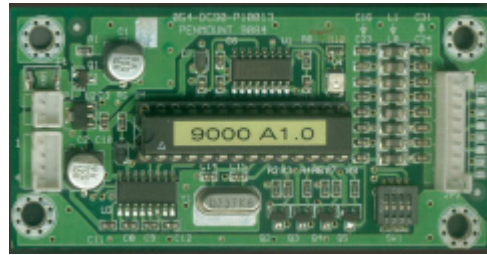


PenMount 9084 Control Board

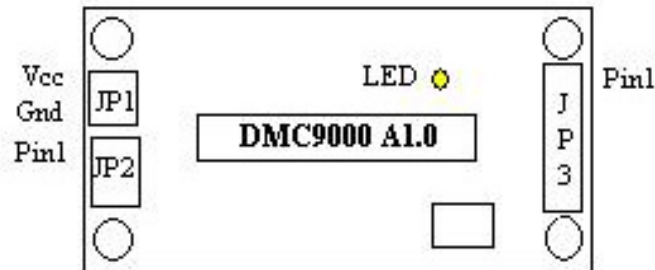


PenMount 9084 control board is a touch screen control board. The touch screen controller is DMC9000 that interfaces analog resistive touch screens to a personal computer through its COM port. PenMount 9084 control board is designed to have a small mechanical size in order to be located inside the system easily. Together with PenMount driver counterparts on various, PenMount9084 control board becomes the most popular touch screen solution worldwide. It's designed to have LED on board to show the touch status and also bundled with three interface cables, customer only needs to power in 5V to 12V DC power to the board, and via RS-232 interface to computer system, PenMount touch screen solution is in your hand.

PenMount 9084 Control Board Features:

- Resolution: 10 bit (1024*1024)
- Design for best touch performance and easy configuration
- Design for best cost arrangement
- Supporting 1024*1024 pen device resolution
- Built-in 10-bit A/D converter inside the DMC9000
- Fast conversion and transmission, 19200 baud rate fixed
- Upgraded noise handling mechanism (3 level scheme)
- Fixed and high-speed sampling rate
- 4-wire and 8-wire touch screen supported
- RS-232 interface supported
- 5V to 12V power input
- Power protection fuse to protect the circuit
- Touch activated indication LED on board

PenMount 9084 Control Board Description



JP1: Power cable: 5V to 12V DC power

JP2: RS-232 cable connector: PIN1: RTS

PIN2: TXD

PIN3: RXD

PIN4: GND

JP3: Touch Screen cable, for 4-wire or 8-wire touch screen

PenMount 9084 Control Board Hardware Installation

1. Connect the RS-232 cable to JP2 on the control board.
2. Connect the RS-232 cable's DB-9 female connector to a 9-pin serial COM port on the back of the computer.
3. Connect the touch screen to the controller using one of the controller interconnect cables (4-wire or 8-wire).
4. Connect the DC power cable to JP1. (5V to 12V)

PenMount Windows 3.1 Driver Users Manual

(PenMount Windows 3.1 driver V1.0)

PenMount DMC9000 For Windows 3.1 Software Installation

This driver supports Windows 3.1 . PenMount Windows 3.1 driver detail contents are list as below:

COMPRESS.EXE

CTRLPAL.EX\$

DETCMD.DL_

DIALOGUE

INSTALL.EXE -- Installation program for PenMount Windows 3.1 driver

MPEN.38\$

MPEN.DR\$

SHOWCUR.EX\$

STFSETUP.EX_

STFSETUP.IN_

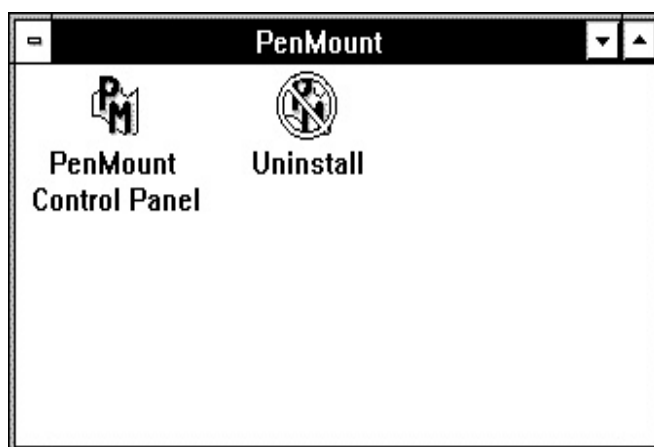
UNINSTPM.EXE

VER.DL_

This file is for installing PenMount Windows 3.1 driver to system. Use the following procedure to do the installation:

1. Have Windows 3.1 system Installed ready in system. PenMount Windows 3.1 driver can co-exist with mouse. If you like to use concurrent mouse and touch screen, plug mouse to one COM port and PenMount touch screen to another come port before installing PenMount Windows 3.1 driver.
2. Open FILE MANAGER under MAIN group and then run "Install.exe" software in PenMount "WIN31" directory. The first display will show "Welcome to install the PenMouse Driver", click "Continue" to start installation.
3. Then the screen will ask which COM port you plug PenMount touch screen to, select the correct one and click "Continue".
4. Next screen is "Set the PORT address for com<x>, select "...[default]" or choose "User define". Then, the display is "Set the IRQ Number", select "...[default]" or choose "User define". Key-in IRQ no if selecting "User define". For example, if PenMount Touch Screen is in COM3 port, choose "User define" and click "Continue", the screen now is "User define IRQ no", key-in the IRQ number by keyboard. Click "Continue".
5. The last screen will show "Setup succeeded ...". Click 'EXIT' to finish the setup. There is a new "PENMOUNT" group generated after installing PenMount Windows 3.1 driver. Now, please restart Windows 3.1 system.

In the PenMount group, there are two icons appearing, 'PenMount Control Panel' and 'UNINSTALL', PenMount Windows 3.1 driver is working concurrent with mouse



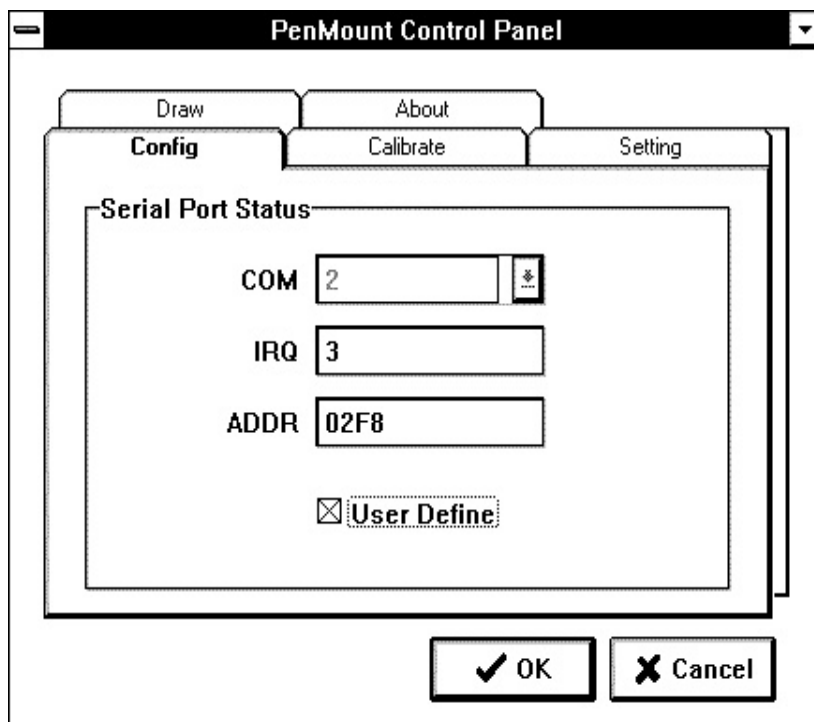
PenMount Windows 3.1 Driver Functions

After installing PenMount Windows driver, the system will generate a GROUP named "PenMount" with two icons in the Group.

*** *PenMount Control Panel***

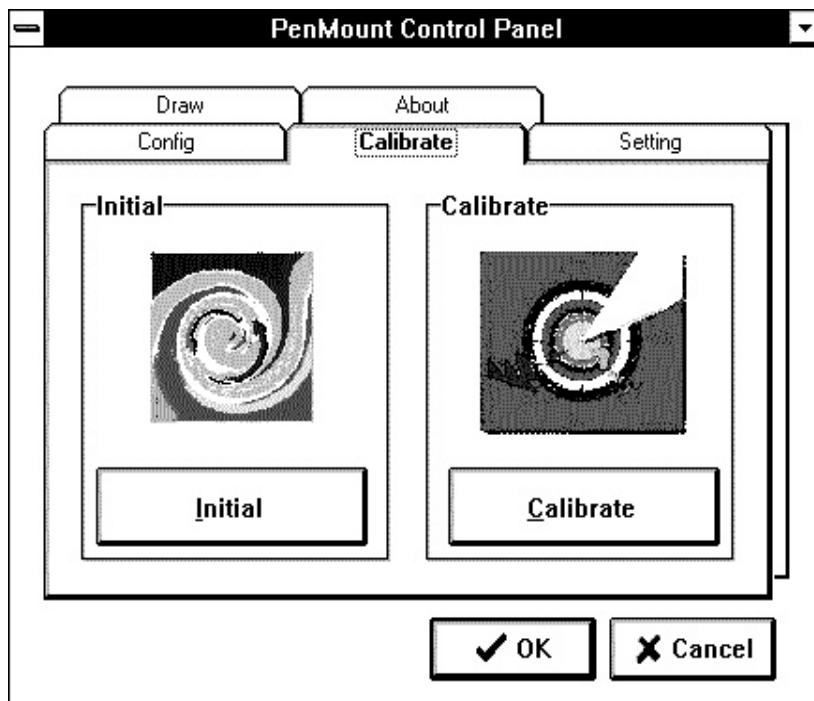
CONFIG:

It is for setting the com port, IRQ number and base address. First of all, selecting com port first, we have set some IRQ number as default. If it is not your need, select "USER DEFINE" button and key-in IRQ number and base address.



CALIBRATE:

Do calibration to adjust the screen mapped. Click 'CALIBRATE' icon, the display will show a circle in the upper-center place, touch it. Then the display will show the circle in the right-center, bottom-center and left-center, touch those places to adjust the touch screen mapped to display. There is an icon 'INITIAL' that is to initialize PenMount controller if clicks it..



SETTING:

To set the performance of mouse, double click area, speed and testing area.

DRAW:

For test or demonstrate the touch screen. There is a menu icon for CLEAR or EXIT this drawing function.

ABOUT:

Showing PenMount controller information.

**** Uninstall***

Click this Uninstall icon, system will remove all the utilities and this PENMOUNT group automatically.