OPERATOR INTERFACE PRODUCTS APPLICATION NOTE

Subject: Touchscreen and the 946X Configuration   AN#1062
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Description: How to Configure the Touchscreen with your type of Operating System

This application note will guide you in the right direction for configuring the touchscreen on the 946X with the selected operating systems. The operating system that Microtouch(trade mark) touchscreens can work with are Windows 95, Windows NT, Windows 3.1X and DOS. The touchscreen is "Five Wire" technology, meaning that across the whole plane of the touchscreen there is voltage across it. You could cut the touchscreen and it will still function properly. The only way to cause it to malfunction is to cut out a circle of it and only that circle portion you cut out would not work, the rest of it would still be functional. Now on to the installation.

1. If you are standing behind the unit facing the back side and remove the top lid off the 946X, you would see a small circuit board in the upper left hand corner of the main board. This small circuit board is the touchscreen controller board. If you remove the board by pulling on the restraints the board will pop out and you can see that there are five (5) jumpers on the component side of the touchscreen board. The jumpers are labeled "J1 - J5" and the two positions are "A" and "B". For the touchscreen to be seen on the PS/2 mouse port the jumpers should be defaulted by Xycom factory to be on the "B" position. For the touchscreen to be seen on the COM2 serial port the jumpers should be on "A" position.

2. When a 946X ships out of Xycom to the customer the touchscreen controller board is set up to recognize touchscreen on the PS/2 Mouse port, that is why there is a sticker on the Mouse port letting you know that it is not functional when you first take the unit out of the box.

3. Both Windows 3.1X and DOS operating systems can utilize touchscreen on either PS/2 mouse port or COM2 serial port the choice is yours. Windows NT and Window 95 operating system can ONLY recognize touchscreen on the COM2 serial port. So if you are going to use either Windows NT or Windows 95 you will definetly have to change the jumpers J1 - J5 to "A" position on the touchscreen controller board. If you are using the COM2 serial port for touchscreen useage, the mouse port is now available to you to use. You can have both touchscreen and PS/2 mouse working together if you want to. DO NOT USE A SERIAL MOUSE WITH A PS/2 ADAPTER BECAUSE IT WILL NOT WORK IN THE PS/2 PORT. Touchscreen will not work if unit was setup for mouse and mouse is not connected.