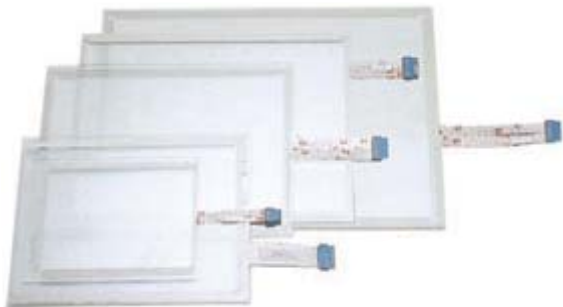# Quick Guidelines
Touchscreen Controller Calibration

e-Resistive
e-Capacitive

Safety Instructions

Please read all of these instructions carefully before you use the device.
Save this manual for future reference.

What the warranty does not cover

■ Any product, on which the serial number has been defaced, modified or removed.

■ Damage, deterioration or malfunction resulting from:

    ☐ Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.

    ☐ Repair or attempted repair by anyone not authorized by us.

    ☐ Any damage of the product due to shipment.

    ☐ Removal or installation of the product.

    ☐ Causes external to the product, such as electric power fluctuation or failure.

    ☐ Use of supplies or parts not meeting our specifications.

    ☐ Normal wear and tear.

    ☐ Any other causes which does not relate to a product defect.

■ Removal, installation, and set-up service charges.

Contents

< Part 1 >
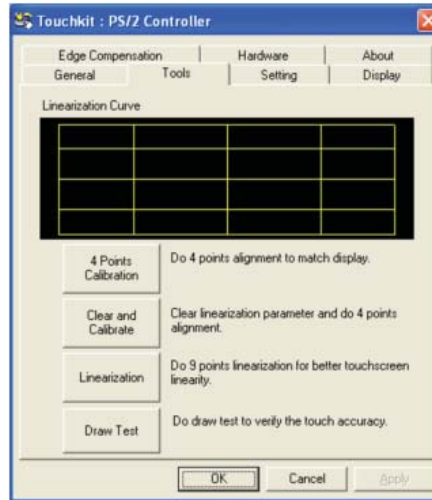# < 1.1 > Calibration

Tool Property Page

Calibration, draw test tools and the linearity curve of the touchscreen were list in this property page shown as below for user to do touchscreen calibration and touch position test.

User can do calibration or draw test by pressing the function push buttons.

1. Linearization Curve

Linearization curve of the touchscreen is list in this page for reference and trouble shooting purpose.
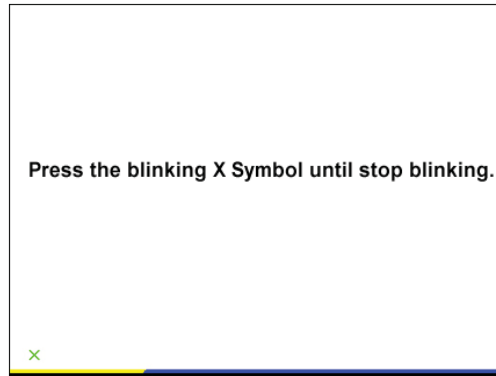
2. 4 points calibration

It needs calibration before the touchscreen can work accurately. Whenever the user feel the accuracy lost, user can do calibration again to get a more accuracy touch function.

Pressing this button, a new window will be popped-up at the location when the touchscreen was mapped to area for this touch system to guide the user do 4 points calibration.

User should follows the guide to touch and hold the blinking X symbol in the calibration window until it does not blink to make sure that the utility can gather enough data for computation. In addition, a time line bar is shown in the bottom of the window to indicate time elapsed. If the touchscreen was not touched before the time line bar going to right end, the calibration task will be terminated automatically.

< 1.1 > Calibration

Press the blinking X Symbol until stop blinking.

3.   Clear and Calibration

Press this button to erase the 25 points calibration/linearization parameters and force user to do 4 points calibration again. After 25 points calibration data was clear, the 4 points calibration data will be invalid. It needs to do 4 points calibration.
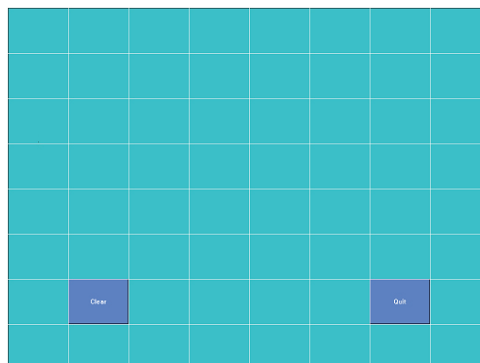
4.   Linearization

Linearization (25 or 9 points calibration) function is used to compensate the touchscreen linearity. After linearization completed, the linearity of the touchscreen will be shown in the Linearity curve window.

Pressing this button, a new window will be popped-up at the location when the touchscreen was mapped to area for this touch system to guide the user do 25 points calibration. User should follows the guide to touch and hold the blinking X symbol in the calibration window until it does not blink to make sure that the utility can gather enough data for computation. In addition, a time line bar is shown in the bottom of the window to indicate time elapsed. If the touchscreen was not touched before the time line bar going to right end, the calibration task will be terminated automatically.

5.   Draw Test

This function is used for accuracy and performance check. Press this button and a new pop up window will be popped up in the location where the touchscreen was mapped to the touch system as below,

User can press the Clear button to clear the window. Press Quit button to terminate this draw test.

⚠️ **Caution :**
- ■ At the first assembly of touch screen, we suggest applying 25 points calibration.
- ■ For a more accurate calibration of touch screen, please apply 25 points calibration.

< Part 2 >
< 2.1 > FAQ

1. Must calibration be down after installation completed?

After connecting your touch monitor and installing the software, you must calibrate the touchscreen. Calibration serves two purposes:

(A) Set the active area of the touchscreen.

(B) Align the touchscreen's active area to the underlying video.

2. The touchscreen is not accurate

Calibration should be required.

Make sure to touch the centre of each X once at a time.

3. The touchscreen is accurate in most areas, but off a lot in certain area

The touchscreen may have linearity problems. Please use touch screen and select more points calibration.

4. Why can the display not match to the touchscreen correctly after calibration?

The touchscreen will be aged after a certain period of consumption or under harsh environment. It is normal. The touchscreen driver has a utility to adjust the situation. The calibration point can be more on the touch screen.

The company reserves the right to modify product specifications without prior notice and assumes no responsibility for any error which may appear in this publication.

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