

Description: Guide to using Multitouch in GENESIS64.

OS Requirement: Windows Server 2003 x64/Vista x64/ Server 2008 x64/Windows 7 x64/ Server 2008 R2 x64

General Requirement: GENESIS64 v10.7 installed.

Introduction

As touchscreen technology becomes more prevalent in control room it has becoming more important to be able to utilize this technology in SCADA systems. In the latest release of GENESIS64 we have integrated Multitouch support into our product. These concepts and controls are part of GraphWorX64 v10.7. The three types highlighted in this Application Note are:

- Simultaneous Control
- Safe Touch Zone
- Pivot Screens

In this Application Note, we will go over the basic functionality and some useful tips for these controls and concepts.

Simultaneous Control

The concept of simultaneous control provides the user with a capability, which he or she would not have with a mouse and keyboard. Now a user could for example open a close a fill valve while they are opening a dump valve.

Let us explore the concept of Simultaneous Control through an example:

1. Start GraphWorX64 from **Start Menu**.
2. Select or create 2 slider controls in your display.
3. In the Explorer expand the slider group and select the dynamic object.
4. Under the section **Dynamic Behavior** change **Slider** property from false to **true**. **Dynamics Behavior** section can be found under the **Dynamics** tab.

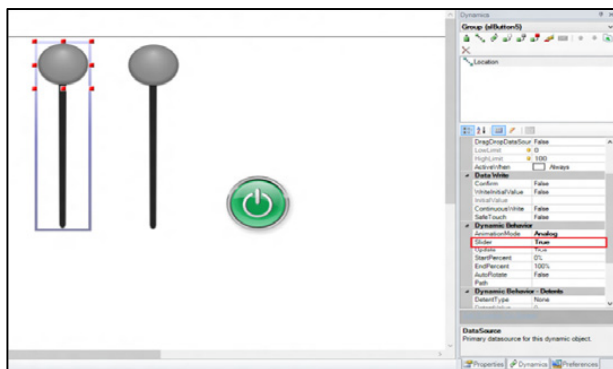


Figure 1 – Creating Sliders

5. Repeat steps 3 and 4 for the other slider.
6. Enter **Runtime** mode try moving both sliders at the same time.

Safe Touch Zone

One of the biggest concerns with touchscreen technology is accidental user input. A person could cause a lot of damage by carelessly running their hand across the screen. A Safe Zone removes this concern. The Safe Zone is a button in the display that must be touched in order to allow a user the ability to manipulate controls.

Let us explore the Safe Zone through an example:

1. Start GraphWorX64 from **Start menu**.
2. In the work area create an object you want to add **Safe Touch Zone** too.
3. With the object selected, navigate to the **Dynamics** tab in the **Ribbon Bar**.
4. Click on the more options arrow to the right of the **Pick Action** and select **Safe Touch Zone** option.

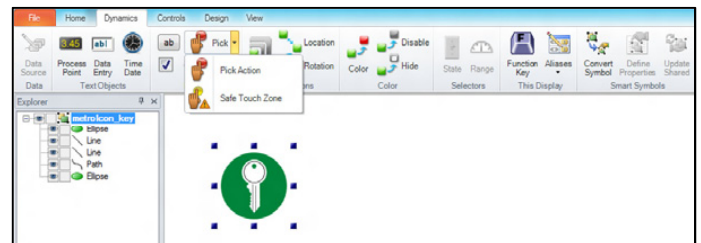


Figure 2 – Safe Zone Object

5. Create a button or slider that you would like to have locked.
6. Under the section **Data Write** change **SafeTouch** property from false to **true**. **Data Write** section can be found under the **Dynamics** tab.

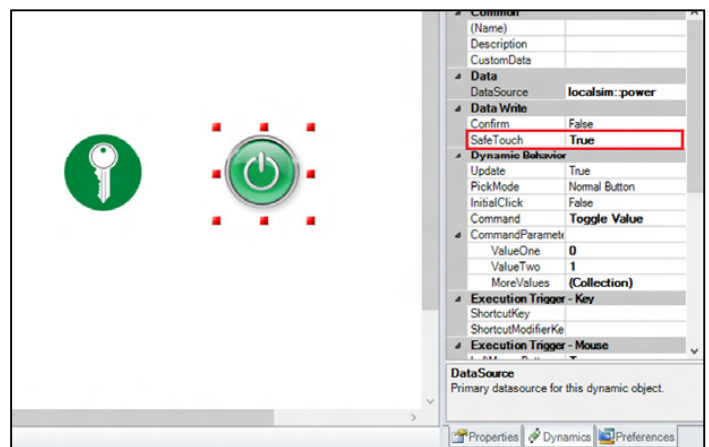


Figure 3 – Safe Zone Example

7. Enter **Runtime** mode try click your button or slider with and without touching your **Safe Touch Zone**.

Pivot Screens

Pivot Screens allows the user an intuitive way to control and navigate objects in the display. Using basic swipe gestures the user can move through information and effortlessly.

Let us explore the Pivot Screens through an example:

1. Start GraphWorX64 from **Start menu**.
2. Select **Controls** and then the **Pivot Control**.
3. **Click and drag** anywhere on the display to create a new Pivot control.
4. Under the Pivot Control tab Click on the **Add Page** button in the ribbon menu and add 2 pages.
5. Drill down the bottom pivot item's **Layer**. **PivotControl** → **Pivot Item** → **Layer**.

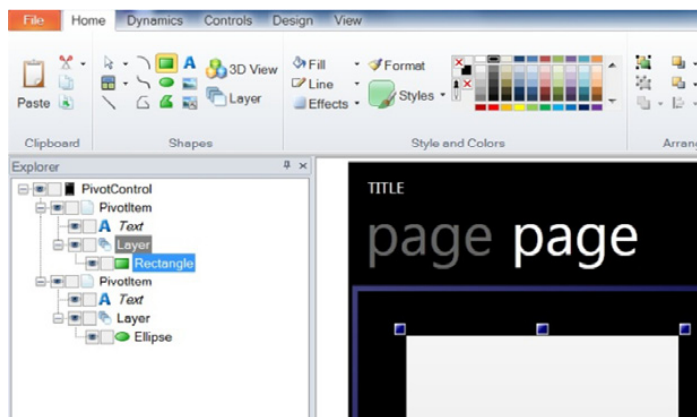


Figure 4 – Pivot screen example

6. Select a rectangle from the Home tab and create a rectangle in the pivot control.
7. Drill down the top pivot item's **Layer**. **PivotControl** → **Pivot Item** → **Layer**.
8. Select an ellipse shape from the Home tab and create an ellipse in the pivot control.
9. Enter **Runtime** mode and try to swipe between the pages.