Subject: SoftScreen for Windows Toggle Push Button   AN# 1049B
Date: 3/7/97
Name: Steve Vargo
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Description: How to create a Toggle Push-button in SoftScreen for Windows.

This application note will take you through step by step for creating a toggle button. You will touch the button once and the graphic circle will change color, you touch it again and it will return to the original color that you set the foreground color for. Here we go...

Just a note before you begin. Do not type in the quotations into your tags, tag names or expressions. This is just for letting you know what to type in.

1. Create a graphic screen named "TEST"

2. Draw a Graphic Circle any where on the screen. The "Shape Properties" menu for the graphic circle will need to be set as follows. Set the Style Foreground color of the circle to be the color red. Press "Okay" when finished.

2a. If you are going to use a Touch Button, Place one on the screen and assign the Tag Name in the General Tab to be "TZ1". Press "Okay". If you are having trouble trying to choose the touchscreen icon then make sure that in the tool bar under "Visibility" that the "Show Touch Zones" is selected. It will be selected if there is a check mark next to that choice.

3. Set the "Shape Animation's" for the graphic circle as follows. In "Shape Animation's" choose "Foreground Color" set the Tag name to "REG30". Set the Color to "Green" now click on the "Add" button. After you have finished, close the screen.

4. In the Applications Navigator choose Data then Application and then Expressions. Set the Tag Name to "Toggle", Data Type to "Float", Scan Rate "ASAP" and finally the Expression to be "!REG30". Please note the exclamation point in front of the REG30, it must be there. Don't forget to "Add" your entry.

5. In the Applications Navigator choose Data then Drivers and finally Internal. Set the tagname to be "REG30" and the internal address "#30". Add your entry.

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6. This is the last part. In the Applications Navigator choose Data then Screens and then Toggle. Set the Event to be either "Touch Zone Press" if your using a Touch Button or "Keypress" if using a function key. If using a function key assign key "F1" to be the key. Assign The Tagname (if you are using a Touch Zone Press) to be "TZ1". The Action will be "Assignment", The Destination Tag Name will be "REG30", and the Tag Name for Source will be "Toggle". Add your entry. Make sure that The Start Up Screen name is set in Application Navigator to be "Toggle". Now you can generate and download this application to test it.