



Your comments and suggestions on the operation of this software are welcome. Please address them to:

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Introduction

The Switch ActiveX is included in the GENESIS32 installation, and it can be inserted into any container that has the capability to embed ActiveX objects, including GraphWorX32, VB Form, MS Word, and MS Excel.

To insert the Switch ActiveX, choose **Insert Object** from the **Edit** menu in GraphWorX32. You can also click the **GWXSwitch ActiveX** button on the **ActiveX** toolbar. The Switch will appear as shown below.



Switch

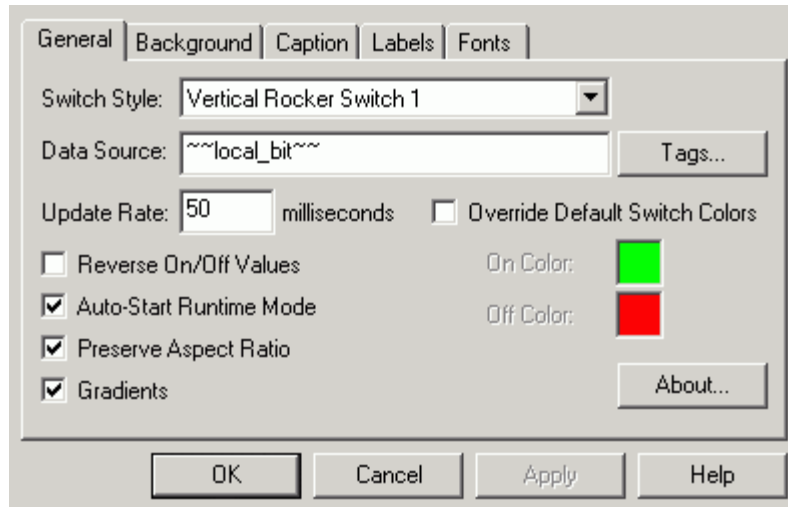
Property Pages

Double-clicking on the Switch opens the **Switch ActiveX Properties** dialog box, which contains the following property pages:

- **General**
- **Background**
- **Caption**
- **Labels**
- **Fonts**

General

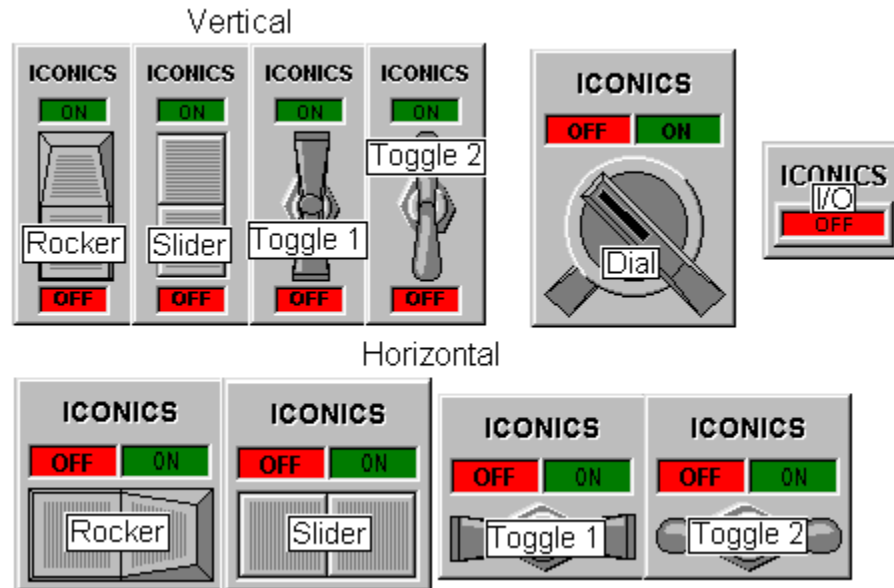
The **General** tab of the **Switch ActiveX Properties** dialog box, shown below, is where the most important configuration for the switch will take place. The **Switch Style** refers to which of the available 10 switches (Vertical Rocker, Vertical Slider, Vertical Toggle 1, Vertical Toggle 2, Horizontal Rocker, Horizontal Slider, Horizontal Toggle 1, Horizontal Toggle 2, Dial, and In/Out) will actually appear in your display.



Switch ActiveX Properties: General Tab

The **Data Source** field allows you to enter a data source that will be attached to the switch control. The default entry for this field is the local variable "~~local_bit~~". Clicking the **Tags** button allows you to browse through currently installed OPC servers and their associated tags as well as global aliases and language aliases. After you either type in the data source or select it from the Tag Browser, set the **Update Rate**. The default for this field is 50 milliseconds; this is also the minimum value for this field.

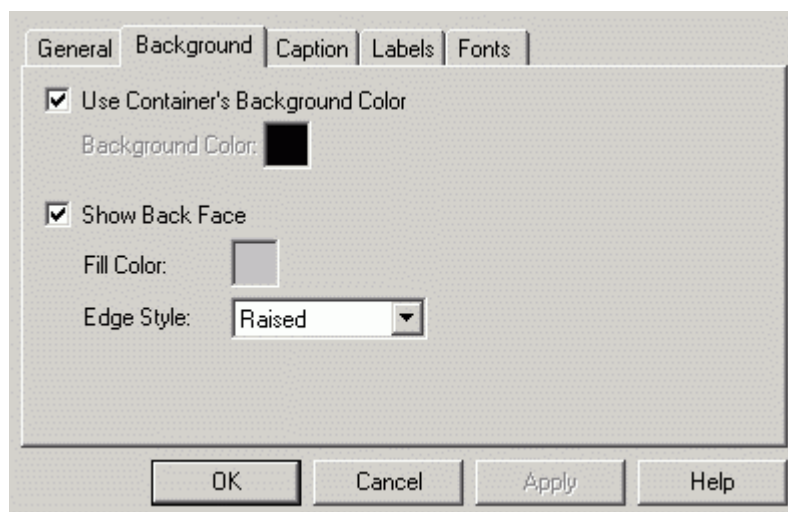
It is also possible to reverse the on/off value, to auto-start the switch in runtime mode, and to preserve the aspect ratios using the three check boxes on this tab. The first of these three options is somewhat self-explanatory. Checking this box will switch the defined values for On and Off. If the **Auto-Start Runtime Mode** box is selected, the switch will automatically start in runtime mode. The last of the check boxes defines whether the switch's dimensions will be maintained when it is resized. You can also choose to enable or disable the color gradients. In addition, you can override the default switch color and select the On and Off colors from the Color Palette.



Switch Styles

Background

This **Background Tab** of the **Switch ActiveX Properties** dialog box, shown below, allows you to set how the background of the switch control will appear in the display. The default options for the Switch control are set to using the container's background color for the background of the switch, and to show the Back Face as raised gray. It is possible to switch both of these defaults by adjusting the check boxes and/or by clicking the color boxes and choosing a different color. You can change the edge style by clicking the drop- down list and selecting a different type of style.



Switch ActiveX Properties: Background Tab

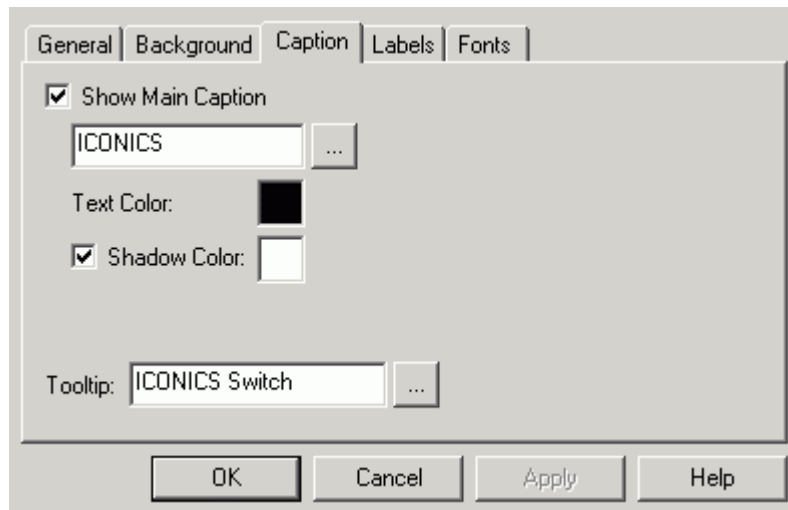
Caption

The **Caption** tab of the **Switch ActiveX Properties** dialog box, shown below, allows you to enter the text that will be displayed on the switch control.

To alter the main caption, simply type the desired text in the appropriate text box and make sure that the **Show Main Caption** check box is checked. To change the text color, click the corresponding color box; the Color Palette will appear. Select the desired color and click **OK**. Use the same technique to change the shadow color. If you do not want a shadow effect on the text, you can uncheck the **Shadow Color** check box.

The text entered in the **ToolTip** text box will be displayed when the mouse is moved over the switch control. This feature is useful because it can be used to describe the control in a more detailed fashion than the main caption.

Note: It is possible to not have any text appear. Simply uncheck the **Show Main Caption** check box, or leave the text box for the main caption blank.



Switch ActiveX Properties: Caption Tab

Labels

Use the **Labels** tab of the **Switch ActiveX Properties** dialog box, shown below, to describe the two states of the switch. Each switch will have an **On** and an **Off** state, but you can choose to label these states in any manner that you deem appropriate for the function of the switch.

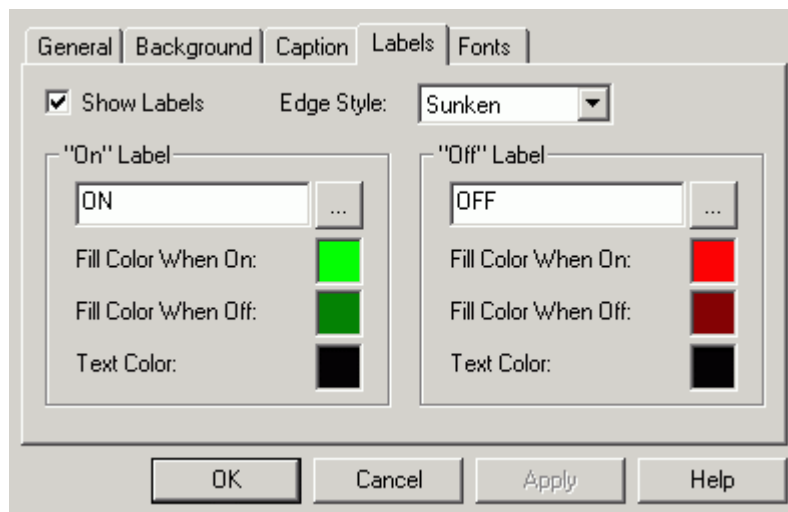
If the **Show Labels** check box is not checked, then all fields on this tab will be grayed out. Otherwise you can configure the labels according to your preferences.

For each state of the switch, there are four elements that can be configured according to your preferences:

- **Text for the label.** This is the text that will appear on the label indicating the state of the switch.

- **Fill color when on.** This allows you to select the color of the label when the switch is in this state. To change the color, click the color box and choose the desired color from the Color Palette.
- **Fill color when off.** This allows you to select the color of the label when the switch is not in this state. To change the color, click the color box and choose the desired color from the Color Palette.
- **Text color.** This allows you to select the color that will be used for the text of the label. To change the color, click the color box and choose the desired color from the Color Palette.

Note: As is shown through the defaults, it is a good idea to choose an **On** color that is a brighter shade of the **Off** color, and a text color that will be visible on both. It is currently possible to select the same color for all three fields, but this practice is not recommended.

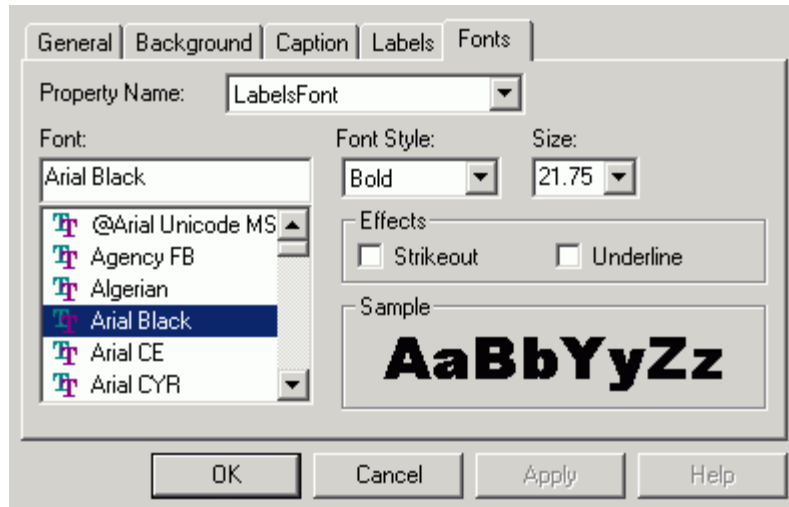


Switch ActiveX Properties: Labels Tab

Fonts

The **Fonts** tab of the **Switch ActiveX Properties** dialog box, shown below, allows you to select which font will be used for the labels and for the main caption. Using the **Property Name** drop-down menu, you can toggle between the two text types.

The rest of the **Fonts** tab is very similar to most font format dialogs. You can select the proper font type, style, and size, and you can choose to have the strikeout (where a line is placed through the text) or underline (where a line is placed under the text) features activated.



Switch ActiveX Properties: Fonts Tab

Security

Security for the Switch ActiveX is enabled/disabled by the following registry setting:

HKEY_LOCAL_MACHINE\Software\Iconics\GWXSwitch\Security\UseSecurity = 0 or 1 (false or true)