



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

ICONICS

100 Foxborough Blvd.
Foxborough, MA 02035

Tel: 508-543-8600

Fax: 508-543-1503

E-Mail: support@iconics.com

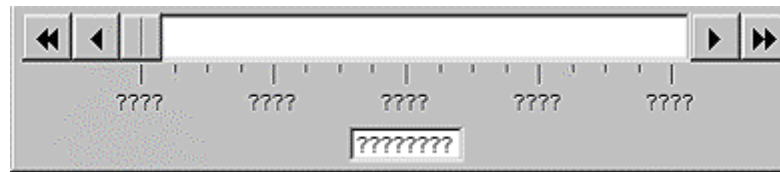
Web: www.iconics.com

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Introduction

The Slider 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 Slider ActiveX, choose **Insert Object** from the **Edit** menu in GraphWorX32, or click the **GWXSlider ActiveX** button on the ActiveX toolbar. The Slider will appear as shown below.



Slider

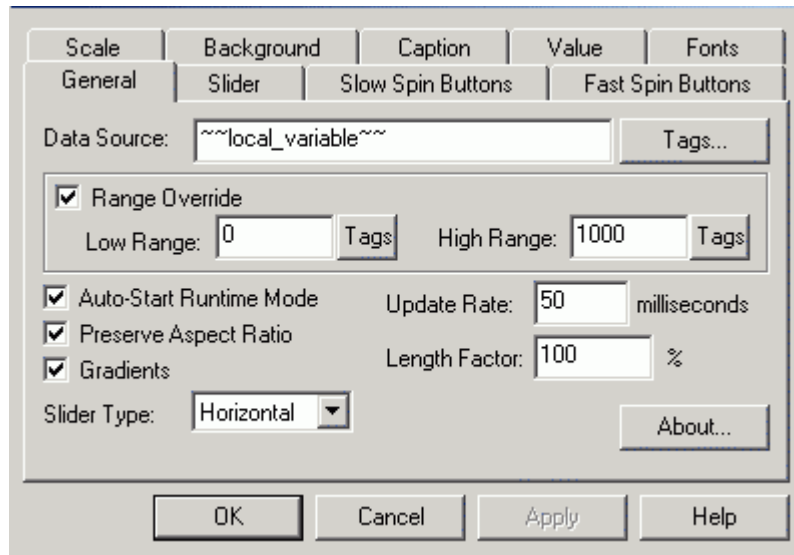
Property Pages

Double clicking on the Slider will open the **Slider ActiveX Properties** dialog box, which contains the following property pages:

- **General**
- **Slider**
- **Slow Spin Buttons**
- **Fast Spin Buttons**
- **Scale**
- **Background**
- **Caption**
- **Value**
- **Fonts**

General

The General tab in the **Slider ActiveX Properties** dialog box, shown below, allows you to select the tag that will be the data source for the slider. 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. The **Range Override** check box allows you to override the ranges associated with their selected tag.



Slider ActiveX Properties: General Tab

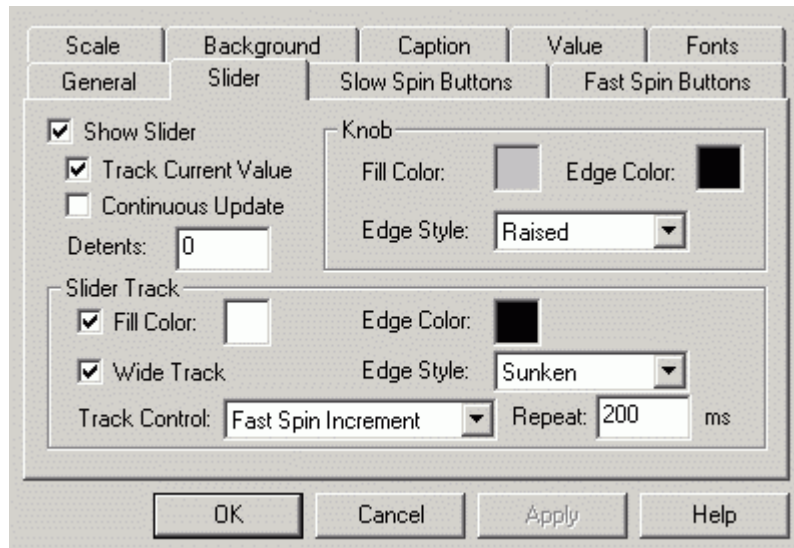
If the **Auto-Start Runtime Mode** check box is checked when the display enters runtime mode, it will automatically start to process data. Otherwise the slider will still appear as it does in configuration mode. The **Preserve Aspect Ratio** check box determines whether the slider will maintain its ratio when you change its dimensions by moving the edges of the object's frame. The **Slider Type** determines which type of slider the to use: vertical or horizontal.

The **Length Factor** field determines the relative length (vertical or horizontal) of the slider. The **Update Rate** field determines how fast the system will update the data being displayed through the slider. The fastest update rate is 50 milliseconds. The faster the update rate, the more fluid the motion of the slider will be.

The **Gradients** option determines whether the slider control will appear to be light-sourced. Using the **Gradients** option makes the slider appear to be more three-dimensional and realistic. You may want to turn this option off if you are using a computer that can only display 256 colors or less.

Slider

The **Slider** tab in the **Slider ActiveX Properties** dialog box, shown below, allows you to configure the appearance and behavior of the slider knob and track. The slider is used to change the data value during runtime mode. If the **Show Slider** box is not checked, then the rest of the tab is grayed out, and any changes that were made will not be applied. The **Track Current Value** option determines whether the slider knob moves automatically to reflect the current value of the process variable. The **Continuous Update** option determines the technique used to write new values (When on, values are continuously written as the slider knob is dragged; when off, values are written only when the slider knob is released at the end of a drag.) The **Detents** field allows you to set the increments at which the slider knob will move ("0" for no detents).



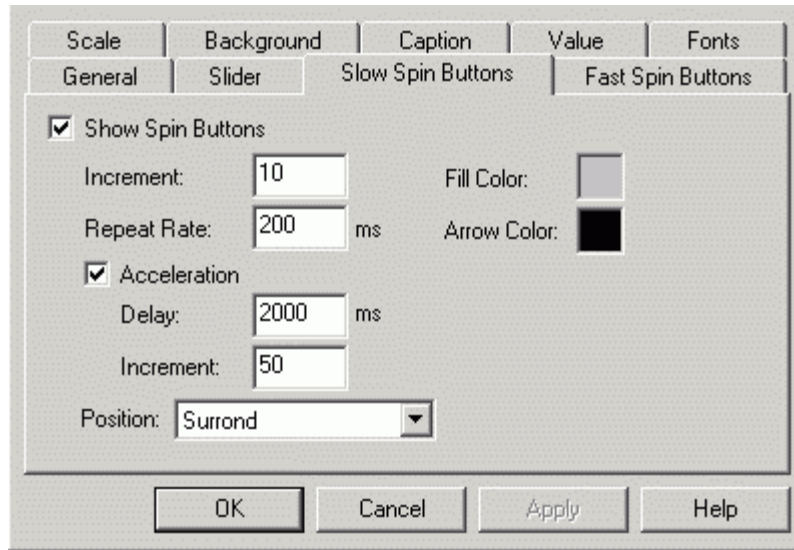
Slider ActiveX Properties: Slider Tab

The **Knob** section determines the color and style of the slider knob.

The **Slider Track** section determines the color and style of the track on which the slider moves. The **Track Control** option designates the behavior when you click on the slider track. Choices for track control are: move to next detent, move to detent nearest the mouse pointer, move to mouse pointer position, move by fast spin increment, move by slow spin increment, and no action. The **Repeat** option determines how frequently the track control action will be repeated when you hold down the mouse button.

Slow Spin Buttons / Fast Spin Buttons

The **Spin Buttons** tabs in the **Slider ActiveX Properties** dialog box, shown below, allow you to configure the appearance and behavior of the slider control's spin buttons. Spin buttons are used to increase and decrease the value of the process variable. Property pages for slow and fast spin buttons are identical. In the slider control, slow spin buttons are designated by single arrow symbols (< and >), while fast spin buttons are designated by double arrow symbols (<< and >>).



Slider ActiveX Properties: Slow Spin Buttons Tab

If the **Show Spin Buttons** box is not marked, then the rest of the tab is grayed out; any changes that were made will not be applied.

The **Increment** field defines the amount by which the value of the process variable is increased or decreased when clicking on a spin button. The **Repeat Rate** option determines how frequently the increment action will be repeated when you hold down the mouse on a spin button.

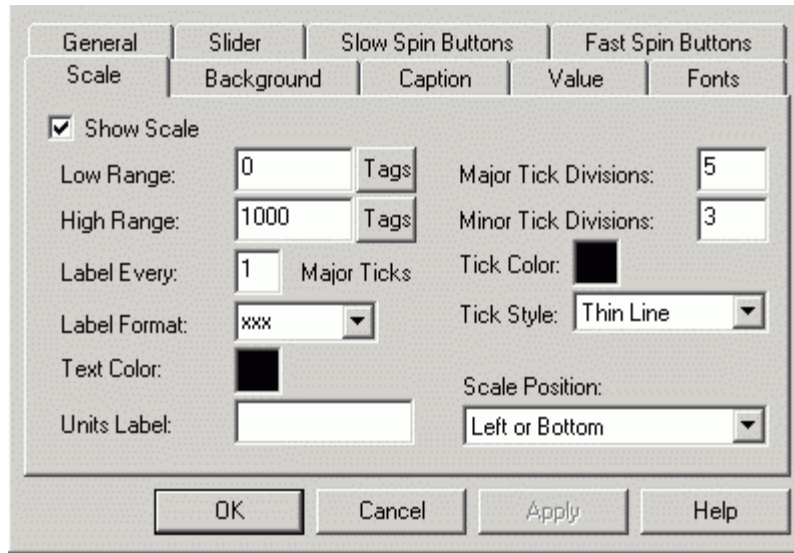
Check the **Acceleration** option to include acceleration capabilities for the spin buttons. Acceleration means that when you keep a spin button pressed, after the specified **Delay**, the process value will be increased or decreased by the acceleration **Increment**.

Fill Color and **Arrow Color** define the colors of the spin buttons.

Position determines the location of the spin buttons relative to the slider. Choices are: **Surround** (places one spin button at each end of the slider), **Group Left or Bottom** (places the pair of spin buttons at the left or bottom end of the slider depending upon the slider's orientation), and **Group Right or Top** (places the pair of spin buttons at the top or right end of the slider depending upon the slider's orientation).

Scale

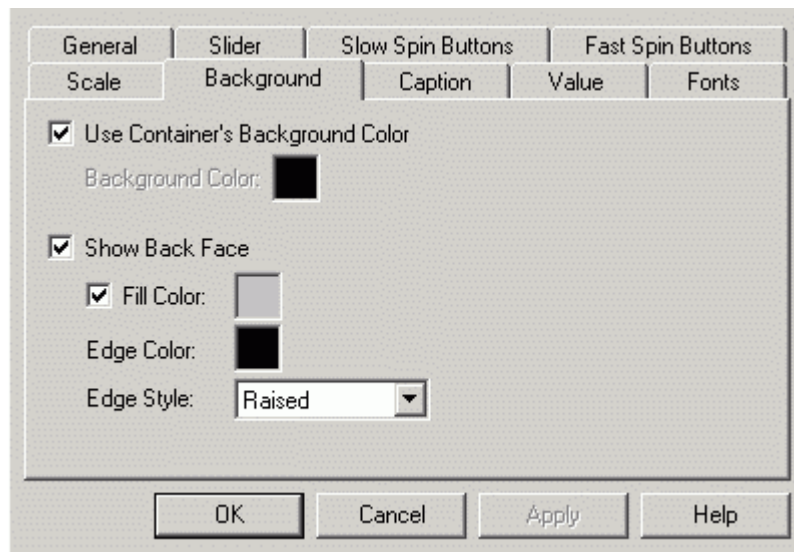
The **Scale** tab in the **Slider ActiveX Properties** dialog box, shown below, configures the appearance of the slider's scale. You can define a **Low** and **High** range for the slider scale by either typing in numbers or selecting a tag. This tab also allows you to determine the number of ticks on the scale, as well as the color and format of the ticks. The **Units Label** field defines how the units will be distinguishable on the slider. **Scale Position** defines the location of the scale relative to the slider track.



Slider ActiveX Properties: Scale Tab

Background

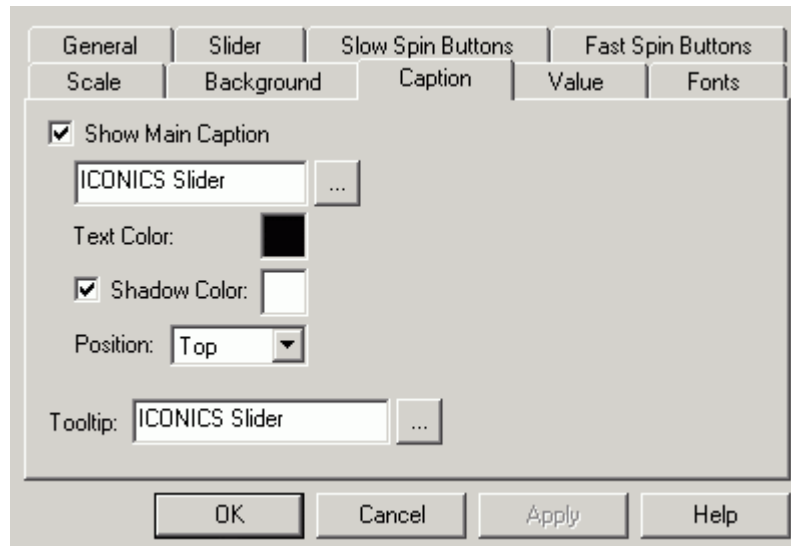
The **Background** tab in the **Slider ActiveX Properties** dialog box, shown below, is used to configure the appearance of the slider within the container. If the **Use Container's Background Color** box is checked, the background color of the slider will automatically be set to match the background color of the container. By unchecking this check box, you can select a color for the background and the slider. The **Show Back Face** check box determines whether the slider will have a background faceplate. Attributes of the background faceplate that can be modified include **Fill Color**, **Edge Color**, and **Edge Style**.



Slider ActiveX Properties: Background Tab

Caption

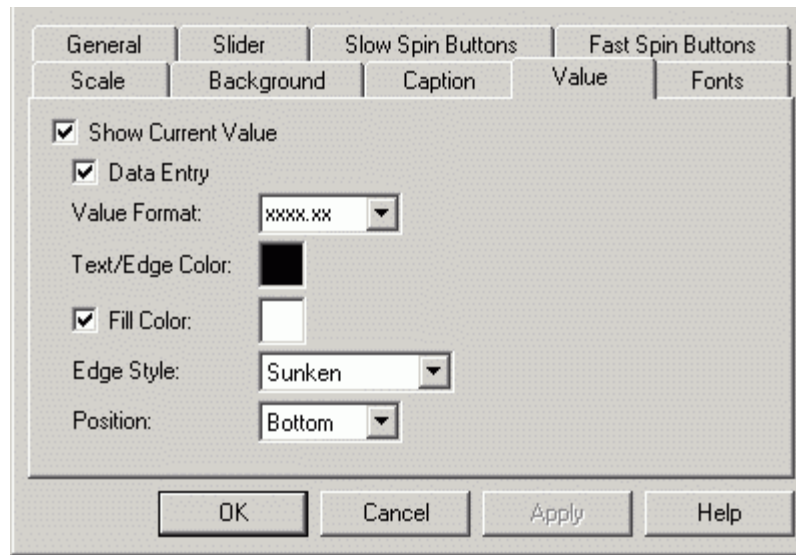
The **Caption** in the **Slider ActiveX Properties** dialog box, shown below, tab allows you to configure the caption that appears on the slider, as well as enter text for the slider's ToolTip that appears when the mouse pointer is over the object. If the **Show Main Caption** box is checked, the text entered underneath will appear as the title of the slider. Controls are also included for modifying the caption's text color and optional text shadow color. The ToolTip field allows the user to enter a word, phrase, or message to appear as a ToolTip to the user.



Slider ActiveX Properties: Caption Tab

Value

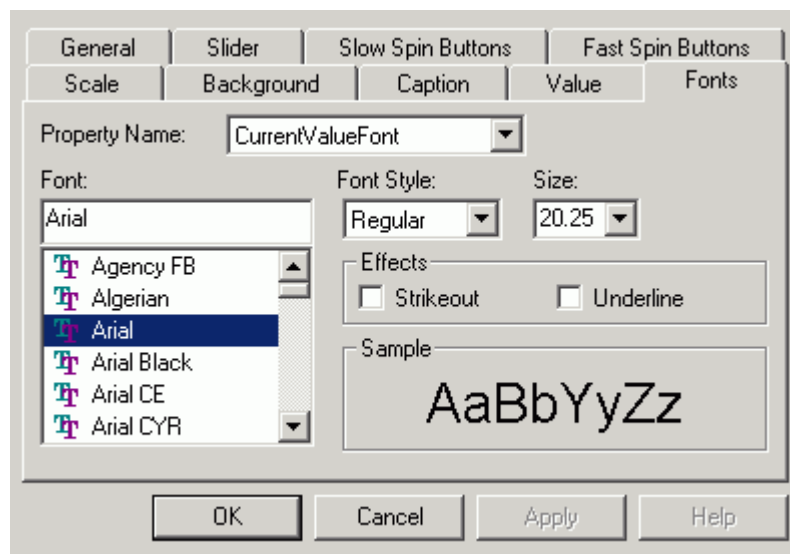
The **Value** tab in the **Slider ActiveX Properties** dialog box, shown below, refers to the text box in the slider control, where the value of the process variable is displayed. If the **Show Current Value** box is not checked, then the value is not displayed in the slider. The **Value Format** field allows the user to choose from a variety of numeric forms in which the data can be displayed, and the **Text/Edge Color** field determines the color of the text in this box. The **Fill Color** and **Edge Style** fields determine the appearance of the value in the slider. Selecting the **Data Entry** check box will allow you to type new data values into this field during runtime mode. The **Position** option determines the location of the value field in the ActiveX relative to the slider track.



Slider ActiveX Properties: Value Tab

Fonts

The **Fonts** tab of the **Slider ActiveX Properties** dialog box, shown below, is similar to many fonts property screens, with one exception: the **Property Name** field. The drop-down menu allows you to choose which text font to change: **CurrentValueFont**, **MainCaptionFont**, or **ScaleLabelFont**. The **Font** field determines the font style, and the **Font Style** determines **Regular**, **Bold**, **Italic**, or **Bold Italic**. The **Effects** section allows for **strikeout** or **underlining**, and the **Sample** section shows a real-size example of the font, style, and size that you have chosen.



Slider ActiveX Properties: Fonts Tab

Security

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

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