Overview

The Radio Box Control creates a radio box, which includes a group of labeled buttons from which users can make a single selection. Users can choose radio buttons by selecting either the button or its text label.

Radio buttons are always mutually exclusive; only one button can be selected at any time. A previously selected radio button is automatically deselected when another radio button is selected.

Radio boxes (and buttons) are helpful when a user must choose between two or more items.

Ancestors:

sashelp.fsp.Object.class
sashelp.fsp.Widget.class
sashelp.classes.Afcontrol.class

Class:

sashelp.classes.Radiobox_c.class
## Key properties to set

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>borderTitle</td>
<td>Specify the title for the radio box.</td>
</tr>
<tr>
<td></td>
<td>You can also query or set this attribute using SCL. For example, the</td>
</tr>
<tr>
<td></td>
<td>following line of SCL code sets the title of the radio box to 'Values':</td>
</tr>
<tr>
<td></td>
<td>radiobox1.borderTitle='Values';</td>
</tr>
<tr>
<td>selectedItem</td>
<td>Specify which item in the radio box will be selected by default.</td>
</tr>
<tr>
<td>(default</td>
<td>You can also query this attribute to find out what the user has selected.</td>
</tr>
<tr>
<td>attribute)</td>
<td>For example, the following line of SCL code queries the item currently</td>
</tr>
<tr>
<td></td>
<td>selected: choice = radiobox1.selectedItem;</td>
</tr>
<tr>
<td></td>
<td>Note  The following line of code is also valid since the</td>
</tr>
<tr>
<td></td>
<td>selectedItem attribute is the default attribute:</td>
</tr>
<tr>
<td></td>
<td>choice = radiobox1;</td>
</tr>
<tr>
<td></td>
<td>△</td>
</tr>
</tbody>
</table>

## Setting radio box items

You must tell every radio box control what items to display. Use one of the following ways to add items to a radio box control:

- You can set the items attribute in the Properties window. When you click the value cell for the items attribute, the Items window appears where you can enter each of the items you want.
- You can populate the radio box with items from a list model by setting the value of the model attribute in the Properties window to the name of the list model.
- You can also populate the radio box with items from a list model by dragging the model from the Components window onto the radio box in the frame.
- You can specify the value of the item attribute in the radio box at run time.

## Build-time attributes

The following attribute is a build-time attribute, meaning it can only be set at build-time if you choose to use it:

- borderStyle

## Using SCL to specify radio box items

You can specify radio box items using an SCL program.
For example, the following code creates a list and assigns the list to a radio box control:

```plaintext
petList = makelist();
rc = insertc(petList, 'Dog', -1); rc = insertc(petList, 'Cat', -1); rc = insertc(petList, 'Bird', -1); radiobox1.items = petList;
```

You could just as easily fill a radio box control with a list of items that already exists in a model that you have instantiated. The following code assigns color list model items to a radio box control:

```plaintext
radiobox1.items = colorlist1.items;
```

### Attributes

Public attributes specified for the Radio Box Control class are described here. See sashelp.classes.Afcontrol.class for inherited attributes.

### Dictionary

#### borderColor

Returns or sets the border style of a control

- **Type:** Character
- **Valid Values:** None, Native, Simple, Shadow, Button, Embossed

#### borderTitle

Returns or sets the title that appears in the border of a control

- **Type:** Character
- **Valid Values:**

#### conformSize

Returns or sets whether to size the height of the control based on the font used for the text
**defaultAttribute**

Returns or sets the attribute name used for the object’s default attribute

Type:  Character  
Valid Values:  Yes, No

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**description**

Radio Box Control

Type:  Character  
Valid Values:  

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**dragInfo**

Returns or sets the information that is transferred from the control when a drag operation occurs

Type:  List  
Valid Values:  
Editor:  SASHELP.FSP.DRAGDROPINFOEDITOR.FRAME

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**dropInfo**

Returns or sets the information that defines the data representations that can be dropped on the control
Radio Box Control

**font**

Returns or sets the font applied to the text

Type: List
Valid Values:
Editor: SASHELP.FSP.DRAGDROPINFOEDITOR.FRAME

**items**

Returns or sets the items to display

Type: List
Valid Values:
Editor: SASHELP.CLASSES.STRINGLISTEDITOR.FRAME

**labelColor**

Returns or sets the foreground color applied to the text

Type: Character
Valid Values: (All SAS-supported color values)
Editor: SASHELP.CLASSES.COOLOREDITOR.FRAME

**orientation**

Returns or sets the orientation of the radio box stations
selectedIndex

Returns or sets the index of the selected item

Type: Numeric
Valid Values:

selectedItem

Returns or sets the selected item

Type: Character
Valid Values: \sashelp.classes.itemsValues.scl

textOrientation

Returns or sets how the text is written

Type: Character
Valid Values: Yes, No

Methods

Methods specified for the Radio Box Control class are described here. See sashelp.classes.Afcontrol.class for inherited methods.
_getItem

Returns the text displayed as the label for a specified item

Syntax

objectName_getItem(index, text);

<table>
<thead>
<tr>
<th>Argument</th>
<th>Type</th>
<th>Use</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>index</td>
<td>Numeric</td>
<td>Input</td>
<td>specifies the index number of the item you want to retrieve</td>
</tr>
<tr>
<td>text</td>
<td>Character</td>
<td>Output</td>
<td>returns the text for the specified item</td>
</tr>
</tbody>
</table>

_onClick

Invoked when the click event occurs

Syntax

objectName_onClick(selectedRow);

<table>
<thead>
<tr>
<th>Argument</th>
<th>Type</th>
<th>Use</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>selectedRow</td>
<td>Numeric</td>
<td>Input</td>
<td>contains the index of the selected row</td>
</tr>
</tbody>
</table>

_onConformSize

Invoked when the conformSize event occurs

Syntax

objectName_onConformSize();
_onPopup

Invoked when the popup event occurs

Syntax

objectName__onPopup( );

_showPopup

Displays a pop-up menu containing items in a list

Syntax

objectName__showPopup( popupItemList, selectedIndex );

<table>
<thead>
<tr>
<th>Argument</th>
<th>Type</th>
<th>Use</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>popupItemList</td>
<td>List</td>
<td>Input</td>
<td>specifies the items to display in the popup</td>
</tr>
<tr>
<td>selectedIndex</td>
<td>Numeric</td>
<td>Update</td>
<td>specifies the index of the item selected from the menu</td>
</tr>
</tbody>
</table>

Events

Events specified for the Radio Box Control class are described here. See sashelp.classes.Afcontrol.class for inherited events.

- click
  - Occurs on a click
conformSize
  Occurs when the control is resized due to conformSize

conformSize changed
  Occurs when the conformSize attribute is changed

font changed
  Occurs when the font attribute is changed

items changed
  Occurs when the items attribute is changed

labelColor changed
  Occurs when the labelColor attribute is changed

orientation changed
  Occurs when the orientation attribute is changed

popup
  Occurs on a popup request

selectedIndex changed
  Occurs when the selectedIndex attribute is changed

selectedItem changed
  Occurs when the selectedItem attribute is changed

textOrientation changed
  Occurs when the textOrientation attribute is changed

### Event Handlers

Event handlers specified for the Radio Box Control class are described here. See sashelp.classes.Afcontrol.class for inherited event handlers.

<table>
<thead>
<tr>
<th>Event</th>
<th>Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>.click</td>
<td>_onClick</td>
<td>Executes when the click event occurs</td>
</tr>
<tr>
<td>.conformSize</td>
<td>_onConformSize</td>
<td>Executes when the conformSize event occurs</td>
</tr>
<tr>
<td>.popup</td>
<td>_onPopup</td>
<td>Executes when the popup event occurs</td>
</tr>
</tbody>
</table>

### Interfaces

Interfaces specified for the Radio Box Control class are described here. See sashelp.classes.Afcontrol.class for inherited interfaces.

- **Required Interfaces**
  - sashelp.classes.staticstringlist.intrface