

TitleBox

TitleBox

TitleBox [/z] ctrlName [keyword = value [, keyword = value ...]]

The TitleBox operation creates the named title box in the target window.

For information about the state or status of the control, use the **ControlInfo** operation.

Parameters

ctrlName is the name of the TitleBox control to be created or changed.

The following keyword=value parameters are supported:

anchor= <i>hv</i>	Specifies the anchor mode using a two letter code, <i>hv</i> . <i>h</i> may be L, M, or R for left, middle, and right. <i>v</i> may be T, C, or B for top, center and bottom. Default is LT. If fixedSize=1, the anchor code sets the positioning of text within the frame.
align= <i>alignment</i>	Sets the alignment mode of the control. The alignment mode controls the interpretation of the <i>leftOrRight</i> parameter to the pos keyword. The align keyword was added in Igor Pro 8.00. If <i>alignment</i> =0 (default), <i>leftOrRight</i> specifies the position of the left end of the control and the position of the control depends on the anchor keyword. If <i>alignment</i> =1, <i>leftOrRight</i> specifies the position of the right end of the control and the right end position remains fixed if the control size is changed. There is a conflict between the align keyword and the anchor keyword. See TitleBox Positioning on page V-1040.
appearance= { <i>kind</i> [, <i>platform</i>]}	Sets the appearance of the control. <i>platform</i> is optional. Both parameters are names, not strings. <i>kind</i> can be one of default, native, or os9. <i>platform</i> can be one of Mac, Win, or All. See Button and DefaultGUIControls for more appearance details.
disable= <i>d</i>	Sets user editability of the control. <i>d</i> =0: Normal. <i>d</i> =1: Hide. <i>d</i> =2: Draw in gray state.
fColor=(<i>r,g,b[,a]</i>)	Sets color of the titlebox. <i>r</i> , <i>g</i> , <i>b</i> , and <i>a</i> specify the color and optional opacity as RGBA Values .
fixedSize= <i>f</i>	Controls title box sizing: <i>f</i> =0: The titlebox automatically sizes itself to fit the title text (default). <i>f</i> =1: The size settings are honored, and the titlebox does not automatically size itself to fit the title text.
font=" <i>fontName</i> "	Sets the font used for the control, e.g., font="Helvetica".
frame= <i>f</i>	Sets frame style: <i>f</i> =0: No frame. <i>f</i> =1: Default (same as <i>f</i> =3). <i>f</i> =2: Simple box. <i>f</i> =3: 3D sunken frame. <i>f</i> =4: 3D raised frame. <i>f</i> =5: Text well.
fsize= <i>s</i>	Sets font size.

<code>fstyle=fs</code>	<code>fs</code> is a bitwise parameter with each bit controlling one aspect of the font style as follows:
	Bit 0: Bold
	Bit 1: Italic
	Bit 2: Underline
	Bit 4: Strikethrough
	See Setting Bit Parameters on page IV-12 for details about bit settings.
<code>help={helpStr}</code>	Sets the help for the control. <code>helpStr</code> is limited to 1970 bytes (255 in Igor Pro 8 and before). You can insert a line break by putting “\r” in a quoted string.
<code>labelBack=(r,g,b[,a]) or 0</code>	Sets background color for title box. <code>r</code> , <code>g</code> , <code>b</code> , and <code>a</code> specify the color and optional opacity as RGBA Values . If not set (or <code>labelBack=0</code>), then background is transparent (not erased).
<code>pos={leftOrRight,top}</code>	Sets the position in Control Panel Units of the top/left or top/right corner of the control at the time it is created. Unless <code>fixedSize=1</code> , a TitleBox control adjusts its size to fit the title text and the position can move in a way that depends on the anchor and align modes. See TitleBox Positioning on page V-1040.
<code>pos+={dx,dy}</code>	Offsets the position of the control in Control Panel Units .
<code>size={w,h}</code>	Sets the width and height of the control in pixels. If <code>fixedSize=1</code> , sets the width of the control in pixels. If <code>fixedSize=0</code> , a TitleBox control adjusts its size to the title text, resulting in confusion about what the size does. In this case, <code>size={0,0}</code> is recommended. See TitleBox Positioning on page V-1040.
<code>title=titleStr</code>	Sets the text of the title box to <code>titleStr</code> . <code>titleStr</code> is limited to 255 bytes. Using escape codes you can change the font, size, style, and color of the title. See Annotation Escape Codes on page III-53 for details.
<code>variable=svar</code>	Specifies an optional global string variable from which to get the TitleBox text.
<code>win=winName</code>	Specifies which window or subwindow contains the named control. If not given, then the top-most graph or panel window or subwindow is assumed. When identifying a subwindow with <code>winName</code> , see Subwindow Syntax on page III-92 for details on forming the window hierarchy.

Flags

<code>/Z</code>	No error reporting.
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Details

The text can come from either the `title=titleStr` or `variable=svar` method. Whichever is used last is the current method. The maximum length of text with the `title=titleStr` method is 255 bytes while the `variable=svar` method has no limit.

Using escape codes you can change the font, size, style and color of text, and apply other effects. See **Annotation Escape Codes** on page III-53 for details.

By default, the titlebox automatically resizes itself relative to the anchor point on the rectangle that encloses the text. Therefore you can specify a size of 0,0 along with a pos value in order to place the anchor point at the desired position. When `fixedSize=1` is used, the titlebox does not resize itself and instead honors the values specified via the size keyword.

TitleBoxes can be used not only for titles but also as status or results readout areas, especially in conjunction with the `variable=svar` mode. When using a titlebox like this, you may find it useful to use `fixedSize=1` so that the titlebox doesn't change size as the text changes.