

MBS Real Studio Controls Plugin Documentation

Christian Schmitz

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0.1 Introduction

This is the PDF version of the documentation for the Real Studio Plug-in from Monkeybread Software Germany. Plugin part: MBS Real Studio Controls Plugin

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Chapter 2

Controls

2.1 control OvalMBS

control OvalMBS

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** A control for REALbasic to draw an oval into a window.

Notes: Basicly the same as the original Oval control from REALbasic.

2.1.1 Properties

BorderColor as Color

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The color for drawing the border.

Notes:

There is a bug in REALbasic. If you enter the color as a hex value (e.g. "& c123456"), the control will get black as color. If you use the color panel using the "...” buttons, the control will get the correct color. (Read and Write property)

BorderWidth as Integer

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The width of the border line.

Notes:

Set to 0 to disabled the border.
(Read and Write property)

FillColor as Color

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The color for filling the oval.

Notes:

There is a bug in REALbasic. If you enter the color as a hex value (e.g. "& c123456"), the control will get black as color. If you use the color panel using the "... " buttons, the control will get the correct color.
(Read and Write property)

2.1.2 Events

MouseDown(x as integer, y as integer, Modifiers as integer) as boolean

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The event called when the user clicks with the mouse in the control area.

Notes:

Return true to handle the event and enable the MouseUp event.

This event exists because RB does not add a Mousedown event by default to the plugin control.

MouseDown(x as integer, y as integer)

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The mouse drag event.

MouseDown(x as integer, y as integer)

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The event called when the user releases the mouse button and you returned true on the MouseDown event.

2.2 control ImageMBS

control ImageMBS

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** A control for REALbasic to draw an image into a window.

Notes: The image is scaled to the size of the control.

2.2.1 Properties

Backdrop as Picture

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The image to display.
Notes:

This image is scaled to the needed size.
(Read and Write property)

2.2.2 Events

MouseDown(x as integer, y as integer, Modifiers as integer) as boolean

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The event called when the user clicks with the mouse in the control area.

Notes:

Return true to handle the event and enable the MouseUp event.

This event exists because RB does not add a Mousedown event by default to the plugin control.

MouseDown(x as integer, y as integer)

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The mouse drag event.

MouseUp(x as integer, y as integer)

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The event called when the user releases the mouse button and you returned true on the MouseDown event.

2.3 control LineMBS

control LineMBS

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** A control for REALbasic to draw a line into a window.

Notes: Basicly the same as the original Line control from REALbasic.

2.3.1 Properties

BorderWidth as Integer

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The width of the line.

Notes:

Set to 0 to disabled the border.
(Read and Write property)

LineColor as Color

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The color for drawing the line.

Notes:

There is a bug in REALbasic. If you enter the color as a hex value (e.g. "& c123456"), the control will get black as color. If you use the color panel using the "... " buttons, the control will get the correct color. (Read and Write property)

Mirror as Boolean

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Whether the line is mirrored.

Notes:

Normally the line is drawn from top left to bottom right.
If Mirror is true, the line is drawn from bottom left to top right.
(Read and Write property)

2.3.2 Events

MouseDown(x as integer, y as integer, Modifiers as integer) as boolean

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The event called when the user clicks with the mouse in the control area.

Notes:

Return true to handle the event and enable the MouseUp event.

This event exists because RB does not add a Mousedown event by default to the plugin control.

MouseDown(x as integer, y as integer)

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The mouse drag event.

MouseUp(x as integer, y as integer)

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The event called when the user releases the mouse button and you returned true on the MouseDown event.

2.4 control RectangleMBS

control RectangleMBS

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** A control for REALbasic to draw a rectangle into a window.

Notes: Basically the same as the original Rectangle control from REALbasic.

2.4.1 Properties

BorderWidth as Integer

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The width of the border line.

Notes:

Set to 0 to disabled the border.
(Read and Write property)

BottomRightColor as Color

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The color for drawing the bottom and right border lines.

Notes:

There is a bug in REALbasic. If you enter the color as a hex value (e.g. "& c123456"), the control will get black as color. If you use the color panel using the "... " buttons, the control will get the correct color. (Read and Write property)

FillColor as Color

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The color for filling the rectangle.

Notes:

There is a bug in REALbasic. If you enter the color as a hex value (e.g. "& c123456"), the control will get black as color. If you use the color panel using the "... " buttons, the control will get the correct color. (Read and Write property)

TopLeftColor as Color

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The color for drawing the top and left border lines.

Notes:

There is a bug in REALbasic. If you enter the color as a hex value (e.g. "& c123456"), the control will get black as color. If you use the color panel using the "... " buttons, the control will get the correct color. (Read and Write property)

2.4.2 Events

MouseDown(x as integer, y as integer, Modifiers as integer) as boolean

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The event called when the user clicks with the mouse in the control area.

Notes:

Return true to handle the event and enable the MouseUp event.

This event exists because RB does not add a Mousedown event by default to the plugin control.

MouseDown(x as integer, y as integer)

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The mouse drag event.

MouseUp(x as integer, y as integer)

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The event called when the user releases the mouse button and you returned true on the MouseDown event.

2.5 control RoundedRectangleMBS

control RoundedRectangleMBS

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** A control for REALbasic to draw a round rectangle into a window.

Notes:

Basically the same as the original round rectangle control from REALbasic.
For composite windows there is a non zero chance that you see redraw problems.

2.5.1 Properties

BorderColor as Color

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The color for drawing the border lines.

Notes:

There is a bug in REALbasic. If you enter the color as a hex value (e.g. "&c123456"), the control will get black as color. If you use the color panel using the "..." buttons, the control will get the correct color.

(Read and Write property)

BorderWidth as Integer

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The width of the border line.

Notes:

Set to 0 to disabled the border.

(Read and Write property)

FillColor as Color

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The color for filling the rectangle.

Notes:

There is a bug in REALbasic. If you enter the color as a hex value (e.g. "& c123456"), the control will get black as color. If you use the color panel using the "..." buttons, the control will get the correct color.

(Read and Write property)

OvalHeight as Integer

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The height of the rounded corners in pixels.

Notes: (Read and Write property)

OvalWidth as Integer

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The width of the rounded corners in pixels.

Notes: (Read and Write property)

2.5.2 Events

MouseDown(x as integer, y as integer, Modifiers as integer) as boolean

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The event called when the user clicks with the mouse in the control area.

Notes:

Return true to handle the event and enable the MouseUp event.

This event exists because RB does not add a Mousedown event by default to the plugin control.

MouseDown(x as integer, y as integer)

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The mouse drag event.

MouseUp(x as integer, y as integer)

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The event called when the user releases the mouse button and you returned true on the MouseDown event.

2.6 control CustomControlMBS

control CustomControlMBS

Plugin Version: 8.5 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** A control where you can in the IDE define the paint event and see in the IDE what you see in the compiled application.

2.6.1 Properties

Code as String

Plugin Version: 8.5 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The code for the paint event.

Notes:

Commands:

PenWidth n

PenHeight n

ForeColor n

FillRect x,y,w,h

DrawRect x,y,w,h

FillRoundRect x,y,w,h,X,Y

DrawRoundRect x,y,w,h,X,Y

FillOval x,y,w,h

DrawOval x,y,w,h

DrawPicture X,x,y,w,h - draws picture number X into the given rectangle

DrawLine x1,y1,x1,y1 - draws line

Variables:

width: width of control

height: height of control

left: left position of control

top: top position of control

ValueX: Value of the ValueX property (X from 1 to 4)

ColorX: Value of the Color1 property (X from 1 to 4)

(Read and Write property)

Color1 as Color

Plugin Version: 8.5 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color properties.

Notes: (Read and Write property)

Color2 as Color

Plugin Version: 8.5 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color properties.

Notes: (Read and Write property)

Color3 as Color

Plugin Version: 8.5 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color properties.

Notes: (Read and Write property)

Color4 as Color

Plugin Version: 8.5 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color properties.

Notes: (Read and Write property)

Picture1 as Picture

Plugin Version: 8.5 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the picture properties you can use for the drawpicture command.

Notes: (Read and Write property)

Picture2 as Picture

Plugin Version: 8.5 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the picture properties you can use for the drawpicture command.

Notes: (Read and Write property)

Picture3 as Picture

Plugin Version: 8.5 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the picture properties you can use for the drawpicture command.

Notes: (Read and Write property)

Picture4 as Picture

Plugin Version: 8.5 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the picture properties you can use for the drawpicture command.

Notes: (Read and Write property)

Value1 as String

Plugin Version: 8.5 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the value properties.

Notes: (Read and Write property)

Value2 as String

Plugin Version: 8.5 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the value properties.

Notes: (Read and Write property)

Value3 as String

Plugin Version: 8.5 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the value properties.

Notes: (Read and Write property)

Value4 as String

Plugin Version: 8.5 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the value properties.

Notes: (Read and Write property)

2.6.2 Events

MouseDown(x as integer, y as integer, Modifiers as integer) as boolean

Plugin Version: 8.5 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The event called when the user clicks with the mouse in the control area.

Notes:

Return true to handle the event and enable the MouseUp event.

This event exists because RB does not add a Mousedown event by default to the plugin control.

MouseDown(x as integer, y as integer)

Plugin Version: 8.5 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The mouse drag event.

MouseUp(x as integer, y as integer)

Plugin Version: 8.5 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The event called when the user releases the mouse button and you returned true on the MouseDown event.

2.7 control ButtonMBS

control ButtonMBS

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** A control to have a custom button in REALbasic.

Notes:

You provide the images for the button and the control will do the rest.

There are possibilities that this control shows thru pagepanels from a hidden panel.

2.7.1 Properties

ImageDisabled as Picture

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The image used if the button is disabled.

Notes: (Read and Write property)

ImageMouseOver as Picture

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The image used for the unpressed button if the mouse is over the button.

Notes: (Read and Write property)

ImageNormal as Picture

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The image for the normal state.

Notes: (Read and Write property)

ImagePressed as Picture

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The image used for the pressed button.

Notes: (Read and Write property)

ImagePressedDisabled as Picture

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The image used when the button is pressed and the button is disabled.

Notes:

If this image is nil, the ImagePressed picture is used.

(Read and Write property)

ImagePressedMouseOver as Picture

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The image used when the button is pressed and the mouse is over the button.

Notes:

If this image is nil, the ImagePressed picture is used.

(Read and Write property)

Sticky as Boolean

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Whether the button is sticky.

Notes:

Normally the value is set to false when you release the mouse button.

If Sticky is true, the button is not unpressed.

(Read and Write property)

TestEnabled as Boolean

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** This property can be used to see in the window editor how the button looks like when the button is enabled.

Notes:

This property is only for designing, not for runtime.
(Read and Write property)

TestMouseOver as Boolean

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** This property can be used to see in the window editor how the button looks like if the mouse is over the button.

Notes:

This property is only for designing, not for runtime.
(Read and Write property)

TestPressed as Boolean

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** This property can be used to see in the window editor how the button looks like when the button is pressed.

Notes:

This property is only for designing, not for runtime.
(Read and Write property)

Toggle as Boolean

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Whether the button should toggle.

Notes:

If pressed the button switches the value property.

Set Sticky to true if use set Toggle to true.

(Read and Write property)

Value as Boolean

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Whether the button is currently pressed.

Notes:

True if the button is pressed.
(Read and Write property)

2.7.2 Events

Action(x as integer, y as integer)

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The event called when the mouse button is clicked in the control.

Notes: Currently called after each MouseUp event.

MouseDown(x as integer, y as integer)

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The event called when the mouse button is clicked in the control.

MouseDown(x as integer, y as integer)

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The mouse drag event.

MouseUp(x as integer, y as integer)

Plugin Version: 8.4 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The event called when the mouse button is released.

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