

Documentation for PD Software Numeric Edit Control version 1

This document describes the conditions of use, together with the methods, properties and events associated with the Numeric Edit ActiveX control.

Description of Numeric Edit Control

The Numeric Edit control is an ActiveX control for Visual Basic. It comprises a text box which allows only numeric input, together with an optional integrated popup calculator, and an optional notification area for indicating estimated values.

The control supports standard named numeric data types, and data binding.

The appearance of both the control and popup calculator is fully customisable, allowing the user to simulate the standard Windows 95 appearance, and also the newer 'hot-tracking' controls which are found in applications targeted for the home market. See the Test project which accompanies this documentation for examples.

Control Reference

This section describes the custom properties, methods and events associated with the numeric edit control. The control also supports a number of standard properties, methods and events for which documentation may be found in Visual Basic Help.

Appearance Properties

BorderStyle

Integer

Specifies the type of border to be drawn around the control.

This can be one of the following:

Border3D	A 3D sunken border will be drawn.
FixedSingle	A single non-3D border will be drawn.
None	No border will be drawn.

ButtonBackColor

Long

Specifies the background color of the integral button.

ButtonForeColor

Long

Specifies the foreground color of the integral button.

ButtonHighlightColor**Long**

Specifies the foreground color of the integral button when the mouse cursor is over the control.

This property is provided to allow 'hot-tracking' such as that found in IE4 and some home-user applications. To disable this feature, set this to the same value as **ButtonForeColor**.

ButtonStyle**Integer**

Specifies the border appearance of the integrated button.

This can be one of:

pdsNone	No border
pdsStdButton	Standard Windows 95 command button
pdsFlatButton	Flat toolbar-style button - the border is only drawn when the mouse cursor is over the control.
pdsSoftButton	Single 3D border
pdsOutline	Single non-3D border

CalculatorBackColor**Long**

Specifies the background color of the popup calculator.

CalculatorBorderStyle**Integer**

Specifies the type of border to be drawn around the control.

This can be one of the following:

Border3D	A 3D sunken border will be drawn.
FixedSingle	A single non-3D border will be drawn.
None	No border will be drawn.

CalculatorButtonStyle**Integer**

Specifies the border appearance of the buttons drawn on the popup calculator.

This can be one of:

pdsNone	No border
pdsStdButton	Standard Windows 95 command button
pdsFlatButton	Flat toolbar-style button - the border is only drawn when the mouse cursor is over the control.
pdsSoftButton	Single 3D border
pdsOutline	Single non-3D border

CalculatorMaskColor**Long**

Specifies the color to be made invisible when the CalculatorPicture is drawn on the popup calculator.

CalculatorPicture**Picture**

Specifies the optional picture (Bitmap) to be used as the calculator's background in place of the default.

This must be of the dimensions 127 x 88 pixels, with button positions drawn as shown on the example Bitmaps provided with the Test project which accompanies this documentation.

EstimatedSymbol

String

Specifies the character to be used to indicate that the **Estimate** value is set to True.

EstimatedSymbolFont

Font

Specifies the Font used for displaying the **EstimatedSymbol**.

EstimatedSymbolForeColor

Long

Specifies the foreground color of the **EstimatedSymbol** optionally displayed at the left of the control.

NumberFormat

Integer

Specifies the appearance and formatting of the **Value** property as displayed in the edit portion of the control when the control does not have the input focus.

These map to the standard Visual Basic named number formats, and this value can be one of the following:

pdsGeneral	"General Number"	Display number with no thousand separator.
pdsCurrency	"Currency"	Display number with thousand separator, if appropriate; display two digits to the right of the decimal separator. Output is based on system locale settings.
pdsFixed	"Fixed"	Display at least one digit to the left and two digits to the right of the decimal separator.
pdsStandard	"Standard"	Display number with thousand separator, at least one digit to the left and two digits to the right of the decimal separator.
pdsPercent	"Percent"	Display number multiplied by 100 with a percent sign (%) appended to the right; always display two digits to the right of the decimal separator.
pdsScientific	"Scientific"	Use standard scientific notation.

ShowAsNegative

Boolean

Specifies whether the **Value** of the control should be displayed as a negative value. The appearance will be determined by the value specified for **NumberFormat**.

Behaviour Properties**AllowEstimates****Boolean**

Specifies whether the **Value** of the control may be flagged as **Estimated**.

EstimateShortCutKey**Boolean**

Specifies the key which, if pressed by the user, will toggle the **Estimate** flag.

SelectAllOnActivate**Boolean**

Specifies whether the text contained in the edit portion of the control should be selected (highlighted) when the control receives focus.

UseCalculator**Boolean**

Specifies whether the control should display the integral button to allow the popup calculator to be used.

Misc Properties**Estimated****Boolean**

Returns or sets the value used to specify whether the value of the control is estimated. This property only applies if the property **AllowEstimates** is True.

This property cannot be bound to a DataField, but see the Test application which accompanied this control for an example of how this value can be stored in and retrieved from a database when the **Value** property is data-bound. (See Data1_Reposition and Data1_Validate events)

Value**Double**

Returns/Sets the value of text contained in the edit portion of the control.

This property may be bound to a DataField.

Methods**HidePopupCalculator**

Allows the popup calculator to be displayed programmatically.

ShowPopupCalculator

Allows the popup calculator to be hidden programmatically. This has the effect of cancelling data entered using the calculator.

Events

ButtonClick

This event occurs when the user clicks the integral button to either show or hide the popup calculator.

Change

This event occurs when the controls **Value** or **Estimated** property changes.

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