

TCalculatorBox

(Version 2.0 01/22/1996)



Overview

Features of Version 2.0 Upgrade

Trial Run Version

- How to Register
- Benefits of Registration

Installation

Properties

- New Properties
- Standard Properties

Methods and Events

Technical help

Warranty

Overview

TCalculatorBox is a native VCL component for Delphi. It is a descendant of Custom Memo and provides Quicken-like functionality to data entry screens.

When the user clicks on the combo - style button the popup calculator is displayed. This is what the calculator itself looks like:



The buttons on the calculator are automatically enabled and disabled as the user enters his calculation. You will find that when the calculator opens with the value of 0 in its display all buttons are enabled. When the calculator opens with a value $\neq 0$ the number buttons are disabled.

Features of Version 2.0 Upgrade

1. TCalculatorBox now supports keypresses as well as mouse clicks.
2. Four memory function buttons have been added : - Add to Memory, Subtract from Memory, Read Memory, Clear Memory.
3. Button to change sign of display has been added.
4. Display shows which operator button has been pressed / clicked.
5. Display shows when a value is stored in memory.

6. Automatic support for international decimal separator is provided. Decimal button displays separator as defined in Win.INI. Display automatically uses the separator defined in Win.INI.
7. Functions to handle string to float conversion with international support have been added to supplement those supplied by Borland.

Trial Run Version

This is a *free* Trial-Run component. This free component has the full functionality of the registered version, but can run only while Delphi is running. To deliver an application using this component, you must purchase a registered version of my component.

Two registered versions of TCalculatorBox are available:

TCalculatorBox v1.0c without source code:	£30.00	\$45.00
TCalculatorBox v1.0c with source code:	£45.00	\$69.00

You can save on postage by electing to have TCalculatorBox sent to you by EMail.

How to register

There are two ways to purchase TCalculatorBox:

A) SoftWareREGistration via CompuServe

If you have a CompuServe account, this is the easiest -and probably the fastest - way to obtain a registered component. Simply GO SWREG. Look for SWREG No. 9050 (for the version without source code) or 9051 (for the version with source code). CompuServe will debit your account accordingly and notify us of your registration. On receipt of this notice from Compuserve we will mail you the latest version of the component.

B) Direct Mail

You can purchase TCalculatorBox directly from me. Please refer to the enclosed ORDER.TXT file for details. Do note: I can accept payment only in pounds Sterling.

Benefits of Registration

Registered users will receive the following benefits:

- an unlimited copy of TCalculatorBox
- the newest version of TCalculatorBox
- technical support by Mail or E-Mail
- information about further upgrades
- source code is available as part of the more expensive version.

Installation

Use the Install Components dialog box to add TCalculatorBox to or remove it from the Component palette. Doing so modifies the contents of the Delphi library (.DCL) file. You add and remove components by adding the unit file associated with the component or components.

To add components to the component library,

1. Choose Options|Install Components. (The Install Components dialog box appears.)
2. Choose Add to open the Add Module dialog box.

3. In the Add Module dialog box, type the name of the unit you want to add i.e. **CVGCALC**
4. Choose OK to close the Add Module dialog box.
5. Choose OK to close the Install Components dialog box and rebuild the library.
(*Please note:* all files in our subdirectory \COMPONEN should be placed in Delphi's path. If you do not do this Delphi will not be able to access resources necessary to compile the component.)

To remove components from the component library,

1. Choose Options|Install Components to open the Install Components dialog box.
2. In the Installed Units list box, select the unit you want to remove.
3. Choose Remove to remove the items from the list box.
4. Choose OK to close the Install Components dialog box.

Properties

TCalculatorBox combines the properties of TMemo and TEdit. It also adds new properties of its own to enable you to customize the control.

New properties
Standard properties

New Properties

About
Decimal Places
Display Text

Standard Properties

Align
Alignment
BorderStyle
Color
Ctl3D
DragCursor
DragMode
Enabled
Font
HideSelection;
MaxLength
OEMConvert
ParentColor
ParentCtl3D;
ParentFont;
ParentShowHint;
PopupMenu;
ReadOnly;
ShowHint;
TabOrder;
TabStop;
Visible;

About

Description

Click on the 'Click me' button to reveal details of the author.

Decimal Places

Declaration

property DecimalPlaces: Integer

Description

You can set the initial precision of the calculator's display by setting the property at design time. In addition, users can increase or decrease the precision by clicking on the Precision spin button at run time.

This button is enabled at the beginning of a calculation just after the Clear button has been clicked. Once a calculation is in train the precision cannot be altered.

When the user pastes to the control, the current Decimal Places setting will determine the format of the figure passed to the control. If you wish to over-ride the user's setting, reformat the text representation of the number in the control using standard Pascal syntax.

Display Text

Declaration

property DisplayText: String;

Description

The DisplayText property determines the text that appears within the control. The default text is 0.00. When the calculator is displayed the value in the control is automatically reflected in the calculator.

The format of the DisplayText is affected by the setting of DecimalPlaces and Alignment. If the calculator opens with a Display Text value = 0 then the number buttons on the calculator will be enabled. If opening Display Text value <> 0 then the number buttons on the calculator will be disabled.

Methods and Events

The standard methods and events for a TMemo have been published in TCalculatorBox.

- OnChange
- OnClick
- OnDblClick
- OnDragDrop
- OnDragOver
- OnEndDrag
- OnEnter
- OnExit
- OnKeyDown
- OnKeyPress
- OnKeyUp
- OnMouseDown
- OnMouseMove
- OnMouseUp

(Our enclosed demo program illustrates how to use drag and drop with TCalculatorBox).

Technical Help

Technical help is available via E-mail at the following addresses:

cgamsu@taynet.co.uk
100556.1107@compuserve.com

Charlotte's Web

We are currently setting up our web page. You will be able to leave messages for me here and download new components as I publish them.

Warranty

TCalculatorBox is supplied as is. The author disclaims all warranties, expressed or implied, including, without limitation, the warranties of merchantability and of fitness for any purpose.

The author assumes no liability for damages, direct or consequential, which may result from the use of TCalculatorBox.