

# RedCrab the scientific calculator with full screen formula editor

## History

### Version 3.30.00 Upgrades

27.03.2011

A Virtual Keyboard can switch on/off in menu View. This make easy input of special symbols like Greek character.

Error fixed in editor

### Version 3.21.00 Upgrades

10.04.2011

Settings can either be stored in a file in the programs root directory, instead in the PC' s Windows registry. The settings are always available to the Program, also if RedCrab runs from USB stick on different computers.

Upgrade of the user interface.

Casually flickering of the menu bar / tool box by actions eliminated.

### Version 3.20.00 Upgrades

27.03.2011

#### Result Boxes

With Result boxes you can display formatted result of calculations on any worksheet position. So you can insert results directly on technical drawings. Result boxes can displayed results with SI-Prefixes and units.

#### Error fixed

'Text to Image' does not work correctly,  
double click on Image box produce an error message  
buttons in message boxes vanished if ALT key pressed.

### Version 3.10.00 Upgrades

13.02.2011

Several expressions are written in a row.

Formulas can be written without space rows between themselves.

Import of Jpeg (\*.jpg) files.

Error messages upgrade.

### Version 3.00.00 Upgrades

10.01.2011

New user interface

New panels for numbers, operators an functions. Now you can use the mouse for

most inputs.

Images are saved at compressed bitmap. This reduce file size up to 94% .

AC – Clears the mathematical expression at cursor position.

Programmer Functions:

AND - bitwise AND

OR - bitwise OR

XOR - bitwise XOR

SHL - bitwise shift left

SHR - bitwise shift right

NOT - bitwise negation

INCL - adds a bit to the integer operands

EXCL - exclude a bit from the integer operands

TRUNC – operands value are rounded toward zero

Function names will not distinguish between upper and lower case. Valid now e.g. SIN, sin or Sin.

Error fixed in TextToImage.

### **Version 2.10.00 Upgrades**

30.10.2010

User interface upgraded, undocked function panel.

In- and output of hexadecimal numbers.

Handling of fraction lines upgraded.

### **Version 2.00.00 Upgrades**

26.06.2010

New user interface

New Undo / Redo module with extended functions. Undo stores all changes of text / image boxes, grid on / off , font size, etc.

No limit by size of text boxes

Previous editing error of multiple roots now fixed.

### **Version 1.40.00 Upgrades**

11.06.2010

The format of mathematical expressions is now more flexible. You can write your formula with any format at any editor position. Example:  $17+4$ , or  $17+4=$ , or  $x=17+4$ , or  $x=17+4=$ . Toggle between single and extended mode exist no longer. Read more about this on user manual part 1.1

Several improvements for better handling of text and image boxes :

Text and Images boxes are now deleted with **Delete** on a pop up menu (click on right mouse button). The area to draw the text boxes is now displayed with a NW- mouse pointer. The pop up menu selections are saved to the data files.

Delete box is disabled if **Page Lock** is enabled.

Select text boxes font with pop up menu.

New: Clear selection with **Ctrl + Delete** key.

The **Clear** function are now confirmed with a message box, instead the **Enter** button.

The handling of Insert and Delete with Undo / Redo are improved.

Error fixed:

Problems with Paste of space signs from external files are fixed.

Previous Insert and Delete move multiple rows simultaneously is now fixed.

### **Version 1.33.40 Upgrades**

30.05.2010

**Superscript / Subscript** mode disabled if you enter a non alpha numeric sign. Same thing if you select cells.

<F3> key enable / disable **Superscript** mode

<F4> key enable / disable **Subscript** mode

If **Superscript / Subscript** is activated when the cursor is on a character, the character under the cursor changed from normal letters in **superscript / subscript**.

As described above you can change selected cells to **superscript / subscript** or reset.

It's now possible to select **Unlock Cell**, if **Page Lock** disabled.

The underscore of selected unlocked field is displayed as well, if **Page Lock** is disabled

#### **Error fixed**

**Insert Row** was blocked, if cells selected by **Unlock Cell**

The file name in the headline was cut, if the file name includes non alpha numeric symbols.

### **Version 1.33.30 Upgrades**

22.05.2010

Insert, Delete and Paste function upgraded and previous problems solved.

Fixed cell size if the grid on/off function is switched

RedCrab saves the setting of Grid on/off current worksheet and reset it if the file is reloaded.

### **Version 1.33**

03.05.2010

#### **Upgrades**

Upgrade the compatibility of older Windows\* XP Systems (SP2 or older).

Previous problems with access to Windows registry (program end) and display of space sign now solved.

**Version 1.31**  
07.04.2010

**New Features**

Menu to search online for updates.

**Upgrades**

Save user preferences in windows registry

**Version 1.30**  
14.03.2010

**New Features**

You can now print a whole page or a certain selected area.

**Upgrades**

Previous problems with save of textboxes now solved. Previously it could happened that the textboxes lost their format settings when the page saved.

**Version 1.23**  
04.03.2010

**Upgrades**

Error fixed regarding roots. It could happen that the root calculation was aborted without an error message.

**Version 1.22**  
26.02.2010

**Upgrades**

Display revised: problems with the display of the grid, especially on Windows 7 have been corrected.

Format of the cells was changed to improve the compatibility and representation on printers. (printer functions are available from version 1.3).

**Version 1.21**  
14.02.2010

**Upgrades**

Extension of front size up to 256.

Display of symbols upgraded.

Previous problem with Copy and Paste of Integral symbol solved.

**Version 1.20**  
18.01.2010

**New Features**

Integral Calculate the area of a curvilinear region

**Version 1.10**  
22.12.2009

**New Features**

**Copy / Paste :** Copy and insert data within RedCrab or from/to external programs.

**Paste To Box :** *Paste To Box* imports images or formatted text from external programs into a freely positioned box.

**Cut :** *Cut* and *Paste* selected data.

**Delete :** *Deletes* selected data.

Load text files into freely positioned boxes.

## More Upgrades

New display unit for results

### Version 1.01

30.11.2009

#### New Features

**Page Lock** : With *Page Lock* on the menu Extras, the editors page will be blocked for additional entries. This function protects unintentional changes made. For data input the cells can be unlocked with *Unlock Cell*.

**Unlock Cell** : With *Unlock Cell* on menu Extras marked cells in a locked page (selected by mouse), are unlocked for data entry . The unlocked fields are marked with an underscore.

**DIV** : The *DIV* operator returns the result of a integer number division without remainder. If there are floating point numbers are entered, the **DIV** operator cuts the digits after the decimal point before executing the division **DIV**.

Example :

$$11 \quad \mathbf{DIV} \ 3 \ = 3$$

$$11 \quad \mathbf{DIV} \ 3.9 = 3$$

**MOD** : The *MOD* operator returns the remainder of the division of two integer numbers. If there are floating point numbers are entered, the **MOD** operator cuts the digits after the decimal point before executing the division **MOD**

Example :

$$11 \quad \mathbf{MOD} \ 3 \ = 2$$

$$11 \quad \mathbf{MOD} \ 3.9 = 2$$

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