

**IntCalc**

**COLLABORATORS**

|               |                           |                |                  |
|---------------|---------------------------|----------------|------------------|
|               | <i>TITLE :</i><br>IntCalc |                |                  |
| <i>ACTION</i> | <i>NAME</i>               | <i>DATE</i>    | <i>SIGNATURE</i> |
| WRITTEN BY    |                           | March 26, 2025 |                  |

**REVISION HISTORY**

| NUMBER | DATE | DESCRIPTION | NAME |
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# Chapter 1

## IntCalc

### 1.1 IntCalc documentation

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IntCalc 1.1

by Luca Carminati  
Copyright © 1996,1997

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Introduction  
System requirements  
Installation  
Usage  
Guarantee  
Copyright  
Author  
History

### 1.2 introduction

Introduction:

IntCalc is an integer numbers calculator. It is useful for converting among decimal, hexadecimal and binary systems in the range of a signed long word.

### 1.3 system requirements

System requirements:

IntCalc requires Kickstart 2.04+ and the diskfont.library in the LIBS:

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directory.

## 1.4 installation

Installation:

Just drag the IntCalc icon anywhere you want.

## 1.5 usage

Usage:

IntCalc can be started from Workbench or a Shell window. Moreover it can run on any public screen, so you may use tools such as the FKey commodity to call it at any time.

Use the program as a normal calculator. The following are brief descriptions of the key functions:

"0\$\\div\$9/A\$\\div\$F" - Numerical keys.

"+" - Addition.

"-" - Subtraction.

"x" - Multiplication.

"/" - Division.

"=" - Perform the operation.

"OR" - Logical OR.

"XOR" - Logical XOR.

"AND" - Logical AND.

"NOT" - Logical NOT.

"NEG" - Negation.

"<<" - Arithmetically shift one bit to left.

">>" - Arithmetically shift one bit to right.

"CE" - Clear the last entry.

"CA" - Clear all.

"MR" - Memory recall (to clear the memory content, click on "MR" first, then on "M-").

"M+" - Memory addition.

"M-" - Memory subtraction.

"DEC" - Decimal mode.

"HEX" - Hexadecimal mode.

"BIN" - Binary mode.

"LSW" - Display the least significant word in binary mode.

"MSW" - Display the most significant word in binary mode.

"OFF" - Quit the program.

When the result of an operation overflows the long word range, the 32 low order bits of the result itself will be kept.

Note: IntCalc does not care about the operators priority but it performs the operations sequentially. So the calculus

$2+3*4$

will be processed as

$(2+3)*4=20$

and not

$2+(3*4)=14$

## 1.6 guarantee

Guarantee:

The program has been tested several times, but its reliability is not guaranteed at 100%. I (the author) do not consider myself responsible for loss or damage of data as consequence of the use of the program. Use IntCalc at your own risk.

## 1.7 copyright

Copyright:

The program is CARDWARE, therefore it is freely distributable on condition that it is always accompanied by all the files in this archive. The whole archive must not be modified in any way. If you think IntCalc is useful, let me know by sending me a postcard (preferred) or an E-mail message.

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## 1.8 author

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If you have some suggestions or if you find some bugs in the program, contact me.

## 1.9 history

History:

- 1.0 - First release.
  - 1.01 - Changed the window title from "Calc" to "IntCalc".
    - Added a screen title.
    - The multiplication did not work correctly when the result overflowed the long word range.
    - The shifting operations did not work correctly in certain cases.
    - Now the keys not available depending on the current base are disabled.
    - There were problems when two or more IntCalc's were running at the same time.
    - Some other minor changes.
  - 1.1 - Added memory functions.
    - Now the buttons size fit the screen font with more accuracy.
    - Another minor change.
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