

# USER MANUAL

## SHORT GUIDE TO CALCULATHOR



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# 1 Introduction

CALCULATHOR is a simple calculator app designed for calculating simple mathematical problems. CALCULATHOR also contains some more complex mathematical operations, like functions and units convertor. Available functions are sin, cos, abs and factorial. Unit convertor support conversion between degrees and radians, kilowatts and horsepower, newton-metres and pound-feet. To use this calculator as efficiently as possible, please read this manual carefully.

## 2 Installation and launch

### 2.1 Installation

CALCULATHOR, as most of apps, must be installed prior to usage. Follow carefully following steps to ensure that your copy of CALCULATHOR is installed correctly:

- Download CALCULATHOR
- Install CALCULATHOR
- Use CALCULATHOR

**Visual guide will be added in version 2.0**

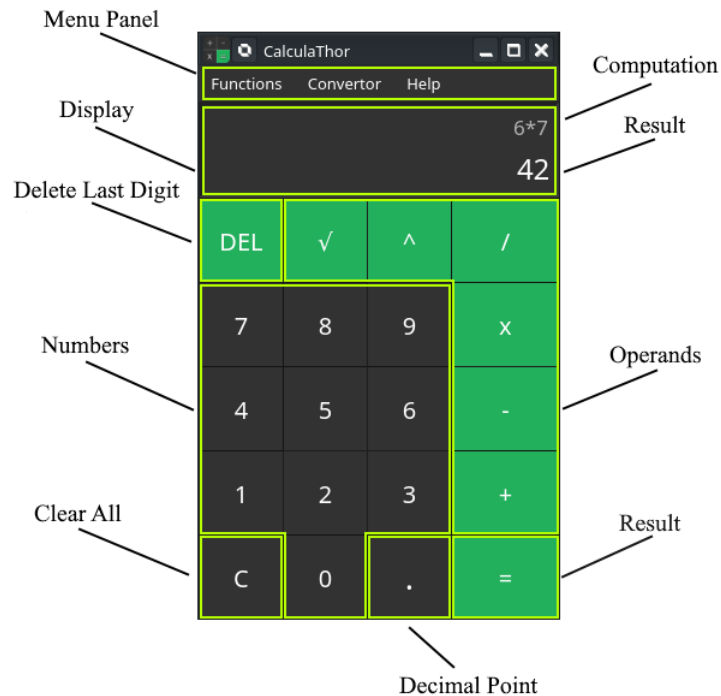
### 2.2 Launch

- Open the app
- Use the app

**Visual guide will be added in version 2.0**

## 3 Graphical interface of CALCULATHOR

### 3.1 Overview



## 3.2 Basic Operations

### 3.2.1 Addition and Subtraction

Format of their input is  $a(+,-)b$ , where 'a','b' are numbers. These operations support calculating with negative numbers. Missing number after operand will result in Error message on display..

### 3.2.2 Multiplication and Division

Multiplication (\*) and division (/) do not have precedence from addition and subtraction. Format of their input is  $a(*,/)b$ , where 'a','b' are numbers. These operations support calculating with negative numbers. Missing number after operand will result in Error message on display.

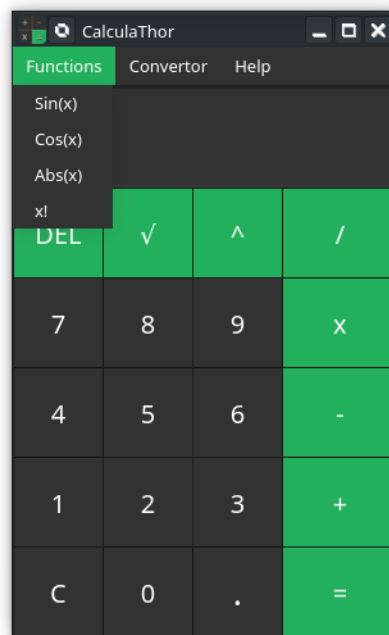
### 3.2.3 Power

Format of power is  $a^b$ . This format represents  $a^b$  calculation, where 'a','b' are numbers. This operation support negative numbers, on both positions. Missing number before/after operand will result in Error message on display.

### 3.2.4 Root

Format of root is  $a\sqrt{b}$ . This format represent  $\sqrt[a]{b}$  calculation, where 'a','b' are numbers. This operation does not support negative numbers at 'b' position, but supports negative numbers on 'a' position. Missing number before/after operand will result in Error message on display.

## 3.3 Functions



### 3.3.1 Sin and Cos

Format of these functions is  $\sin a / \cos a$ , where 'a' is a number in degrees. These functions do not support calculating with radians. Negative numbers are supported. Missing number after function will result in Error message on display.

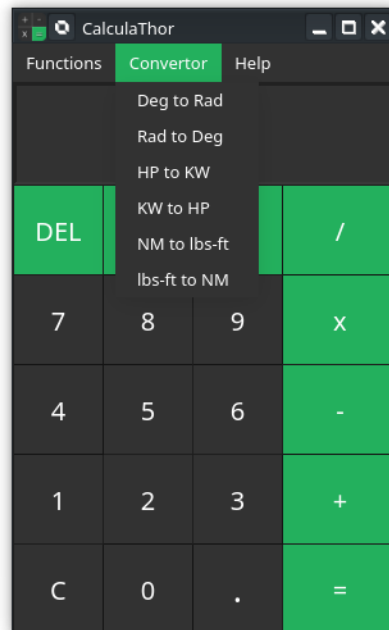
### 3.3.2 Abs

Format of this function is  $\text{abs } a$ , where 'a' is a number. This function supports calculating with negative numbers. Missing number after function will result in Error message on display.

### 3.3.3 Factorial

Format of this function is  $a!$ , where 'a' is a number. Factorial is a function, which returns multiplications of all numbers in range  $\langle 1, a \rangle$ . In case of 'a' being equal to 0, this functions return 1. This function does not support negative numbers. Missing number before function will result in Error message on display.

### 3.4 Unit Convertor



To use the unit convertor, number must be written onto the display before pressing one of the options. Failure to write number will result in unexpected behaviour. These convertors also support negative numbers, but in case of using negative numbers, units must be manually removed from display before further calculations. This is a known problem, which will be addressed in near future. While using positive numbers, units will be removed automatically. Failure to remove units will result in unexpected behaviour.

## 4 Uninstallation

To uninstall CALCULATHOR follow these steps:

- Turn off the calculator
- Select all files, that belong to this app
- Press Control+Alt+Delete
- Accept our sincere apology for this underwhelming app