

OwlCalc

User Guide

for Windows Mobile Pocket PC
www.hlcsoft.com



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OwlCalc for Windows Mobile Pocket PC

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Introduction

Welcome to OwlCalc

OwlCalc is an *equation based* calculator that allows you to see and easily modify the equation you enter. It's is easy to input equations into OwlCalc using the infix notation you grew up using all through life. Get results quickly with OwlCalc's dynamic result display which will automatically update the answer value as the input changes. Save effort with OwlCalc by inputting your formula just once and then changing the values to find any number of individual results.

How to Order OwlCalc

Visit our website at www.hlsoft.com to purchase and download OwlCalc.

System Requirements

- Windows Mobile Pocket PC 2002 or higher

- Approximately 177 KB of available RAM

Installation

Before installing OwlCalc 1.0, please make sure that your Pocket PC device meets the [System Requirements](#) mentioned above.

Installing OwlCalc Using a Windows Computer

1. Download the OwlCalc.zip file if necessary from <http://www.hlcsoft.com/> on to your computer and extract the contents of the .zip file.
2. Connect your Pocket PC device to your computer.
3. Open the OwlCalc folder created by extracting the contents of the OwlCalc.zip file from Step 1.
4. Double-click the OwlCalc_Setup.exe file to install the OwlCalc application to your PDA.
5. Follow the instructions in the wizard and on your Pocket PC to complete the installation.

Installing OwlCalc onto an External Memory Card

HLCSoft recommends that you install all files to their default locations on your device if the space is available. Otherwise, follow these directions to install the program onto an External Memory Card.

1. Download the OwlCalc.zip file if necessary from <http://www.hlcsoft.com/> on to your computer and extract the contents of the .zip file.
2. Connect your Pocket PC device to your computer.
3. Open the OwlCalc folder created by extracting the contents of the OwlCalc.zip file from Step 1.
4. Double-click the OwlCalc_Setup.exe file to install the OwlCalc application to your PDA.
5. Follow the instructions in the wizard and on your Pocket PC to complete the installation. When asked if you would like to install files to their default destination, choose "No".
6. In the pop-up window that appears, choose the memory device onto which you want the program to be installed.

Uninstalling OwlCalc

1. From your Pocket PC device, tap the **Start** menu, and then tap **Settings**.
2. Tap the **System** tab to open the system property sheet, and tap the **Memory** icon.
3. Tap the **Running Programs** tab, and if OwlCalc appears in the list, tap on it to select it then tap the **Stop** button.
4. Tap the **OK** button in the top-right corner of the screen to close the Memory window.
5. Tap the **Remove Programs** icon (also in the **System settings** page).

6. Tap HLCSOFT OwlCalc 1.0 from the list and then tap **Remove**.

Registration

Why Register?

Registering your OwlCalc is the only way of enabling the paid (unlimited) version of the software. It will also allow us to provide you with technical support.

How to Register

When you purchase OwlCalc, it should have come with a unique **Registration Code**. Please enter the **Registration Code** in your program's registration screen.

If you lose your Registration Code or have difficulties with the registration process, please contact us by using our support form at <http://www.hlcssoft.com/help/support-submit.asp>

The Registration Code - What, Where, and How

The Registration Code is a combination of letters and numbers. The Registration Code consists of the numbers 0-9 and letters A-F only (for example: 1D35FC67A1). To enter your Registration Code:

1. Start OwlCalc.
2. On the menu at the bottom of the screen, tap **Info**. From the pop-up menu, tap **Registration**.
3. Type your Registration Code into the OwlCalc registration screen
4. Tap **Register** to continue or **Not Yet** to quit the registration process. If you quit, you may return later to register the product. After the number of trial uses has expired, the calculator will only be available after you have entered the correct Registration Code and completed the registration process by tapping **Register** on the registration screen.

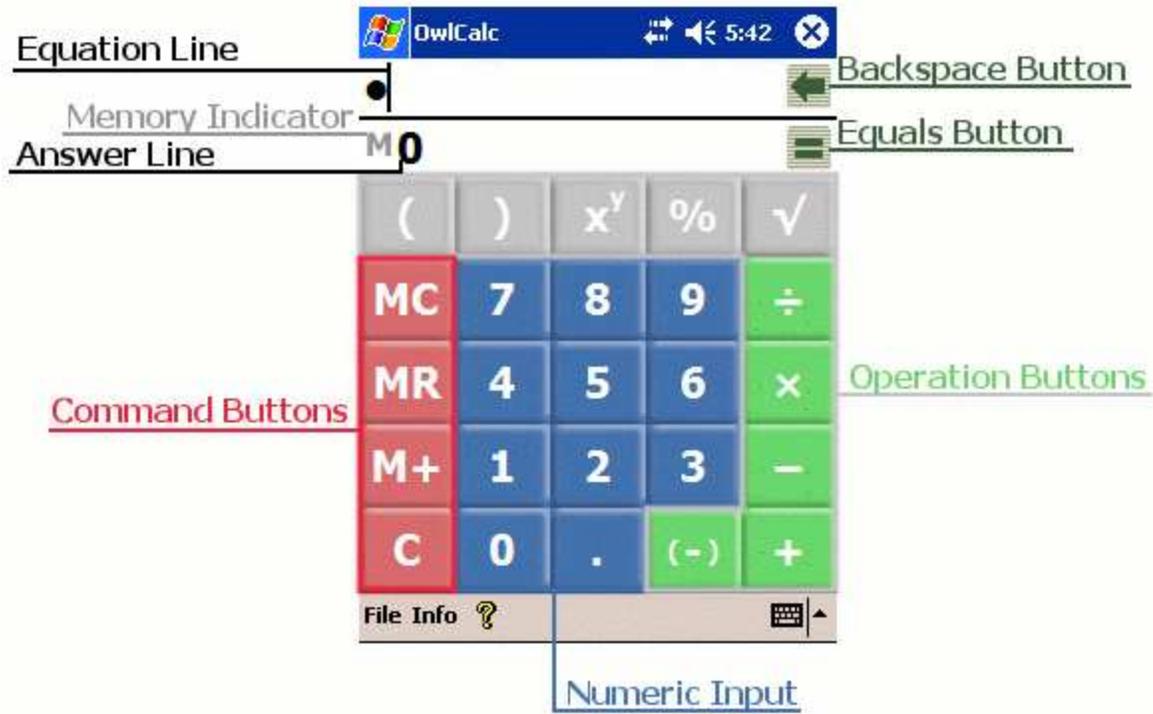
Using OwlCalc

Overview

OwlCalc's main view contains the following objects:

- equation line
- answer line
- backspace button
- equals button
- numeric input buttons (blue)

- command buttons (red)
- operation buttons (green & gray)



The **equation line** displays your input as you type, and allows you to edit the equation you have entered.

The **answer line** displays the result of your equation as you type. If the equation is in an *undetermined* state, meaning no result can be calculated, the answer line text turns to a gray color. This is a quick way to discover any errors that may have been input.

The **backspace button** will delete one character back from the position of the cursor, or a selection of text that has been made on the equation line.

Pressing the **equals button** will take the result on the **answer line** and place it on the equation line at the position of the cursor. If the current result is gray, pressing the equals button may provide more information about what is wrong, and the result will not be copied to the equation line.

The **numeric input buttons** allow you to easily input numeric values.

Commands

The following command buttons are provided by OwlCalc:

- MC (Memory Clear)
- MR (Memory Recall)
- M+ (Memory Plus)
- C (Clear)

MC The **MC** button clears the memory slot of any saved value. See [Using Memory Storage](#) for a complete description of the memory feature of the calculator.

MR The **MR** button places the result in the saved memory slot on the **equation line** at the current position of the cursor. See [Using Memory Storage](#) for a complete description of the memory feature of the calculator.

M+ The **M+** button adds the current result on the **answer line** to the special saved memory slot. See [Using Memory Storage](#) for a complete description of the memory feature of the calculator.

C The **C** button clears the **equation line** of all input.

Operations

The following operation buttons are provided by OwlCalc:

- [+ \(Add\)](#)
- [- \(Subtract\)](#)
- [× \(Multiply\)](#)
- [÷ \(Divide\)](#)
- [√ \(Square Root\)](#)
- [% \(Percent\)](#)
- [x^y \(Power\)](#)
- [- \(Negative/Invert\)](#)
- [\(, \) \(Parenthesis\)](#)

+ **(Add)**
The plus button inserts an addition sign into the equation. The addition sign operates on two *addends*. In the equation $10 + 5$, 10 and 5 are each *addends*. There must be one *addend* on each side of the addition sign to have a valid addition statement in an equation.

- **(Subtract)**
The subtract button inserts a subtraction sign into the equation. The subtraction sign operates on a *minuend* and a *subtrahend*. In the equation $10 - 5$, 10 is the *minuend* and 5 is the *subtrahend*. Both a *minuend* and a *subtrahend* must exist to have a valid subtraction statement in an equation.

× **(Multiply)**
The multiply button inserts a multiplication sign into the equation. The multiplication sign operates on a *multiplicand* and a *multiplier*. In the equation 10×5 , 10 is the *multiplicand* and 5 is the *multiplier*. Both a *multiplicand* and a *multiplier* must exist to have a valid multiplication statement in an equation.

÷ **(Divide)**
The divide button inserts a division sign into the equation. The division sign operates on a *dividend* and a *divisor*. In the equation $10 \div 5$, 10 is the *dividend* and 5 is the *divisor*. Both a *dividend* and a *divisor* must exist to have a valid division statement in an equation.



√ (Square Root)

The square root button inserts a square root sign into the equation. The square root sign operates on a *square*. In the equation $\sqrt{25}$, 25 is the *square*. The result of 5 is a *square root* (-5 being the other possible *square root* of 25). OwlCalc does not perform square root operations on negative numbers, and only returns the positive root as an answer to square root calculations.



% (Percent)

The percent button inserts a percentage sign into the equation. The percentage operation takes the specified percent of the *preceding* operand and performs the desired operation with it. For example:

$$100 + 10\% (= 110)$$

In this example, the calculator will take 10% of 100, which is 10, and add that value to 100. The **answer line** will display 110.

A percentage **cannot** begin an equation. "10%" by itself is an invalid equation and is meaningless in the context of this calculator.



x^y (Power)

The power button inserts a power sign (^) into the equation. The power operation takes an *exponent* value and applies it to an operand. In the equation 5^2 , 2 is the *exponent* and is applied to 5.



- (Negative/Invert)

The negative button inserts a negation sign into the equation. The negation sign negates or inverts the resulting value of the *following* operand or grouped statement. In the equation $10 + -5$, the result is 5. In the equation $-\sqrt{25}$, the result is -5, and in the equation $10 \times -(2 + 3)$, the result is -50.



(,) (Parenthesis)

The parenthesis buttons insert opening/left and closing/right parenthesis symbols into the equation. Parenthesis *group* statements in an expression and cause them to be executed before other parts of the equation. The equations:



- $10 \times -(2 + 3) ^ 2$
- $10 \times (- (2 + 3)) ^ 2$
- $(10 \times -(2 + 3)) ^ 2$

all have different results due to the grouping caused by the parenthesis. For every opening/left parenthesis in an equation, there must be a matching closing/right parenthesis for the equation to be valid.

Using Memory Storage

OwlCalc provides a single *saved memory slot* for use in performing calculations and accumulating results over time. The M+, MR, and MC buttons are all that are needed to use this feature.

Any time the **answer line** displays a result you wish to store in the *saved memory slot*, press **M+**.

IMPORTANT:

If there is already a value stored, the new value will be added to the current value and the sum will be stored. If you instead just wish for the current result on the **answer line** to be stored, first press **MC** to remove the previous value.

It is easy to see if there is a value stored in the *saved memory slot*. Anytime a value is stored, a gray colored "M" will appear to the left of the **answer line**.

When you want to use the accumulated value in the *saved memory slot*, press the **MR** button and the value that is stored will appear on the **equation line** at the current position of the cursor.

Troubleshooting

Error Messages

The following error messages may appear when pressing the **equals** button:

Too many opening parenthesis

The equation entered on the **equation line** contains *unbalanced* parenthesis symbols, and in particular has too many opening parenthesis symbols.

Too many closing parenthesis

The equation entered on the **equation line** contains *unbalanced* parenthesis symbols, and in particular has too many closing parenthesis symbols.

Invalid Formula

The equation entered on the **equation line** has an error that prevents a calculation from being properly performed. The **answer line** display will appear in a gray color anytime the equation is incomplete or has an error.

If you are unable to spot the error in an equation, try deleting input from the right-hand side, one character at a time. The **answer line** will appear in a black color with a correct result once the equation no longer contains an error.

If you are able to spot the error, tap on the **equation line** near the error and correct it. The **answer line** will appear in a black color with a correct result once the equation no longer contains an error.

Contacting Us

If you have questions or comments, please contact us:

Website: <http://www.hlcsoft.com/help/support-submit.asp>