MxCalc 10bII

for Smartphone

Version 1.0
User Guide

Product of:-

3GR Technologies

For Installation information & Sales/Support contacts refer the Read Me file.

Contents

♦ Application Overview

Differences in operating MxCalc 10bII compared to HP 10bII.

1. In arithmetic, MxCalc 10bII shows the operands and operators.
2. You can store an initial cash flow plus additional 19 cash flow groups.
3. Results from TVM and statistics calculations are labeled.
4. MxCalc 10bII displays in fixed decimal format. The internal precision used in side the calculator is not affected by the Displayed format on the screen.
5. More descriptive error messages (See the list below)

♦ Install/Uninstall

Installation.

♦ You need to have MS ActiveSync Software on your device and make sure your device is connecting with Desktop PC.
♦ Run **setup** and follow instructions.
♦ When finished, go to Start Menu>>Program, here you will see the Icon of MxCalc 10bII

.Net Framework

Download & install the .Net framework from the following link in case the system prompts for missing runtime files.

- **PocketPC (.Net Compact Framework)**

http://www.microsoft.com/downloads/details.aspx?familyid=9655156b-356b-4a2c-857c-e62f50ae9a55&displaylang=en
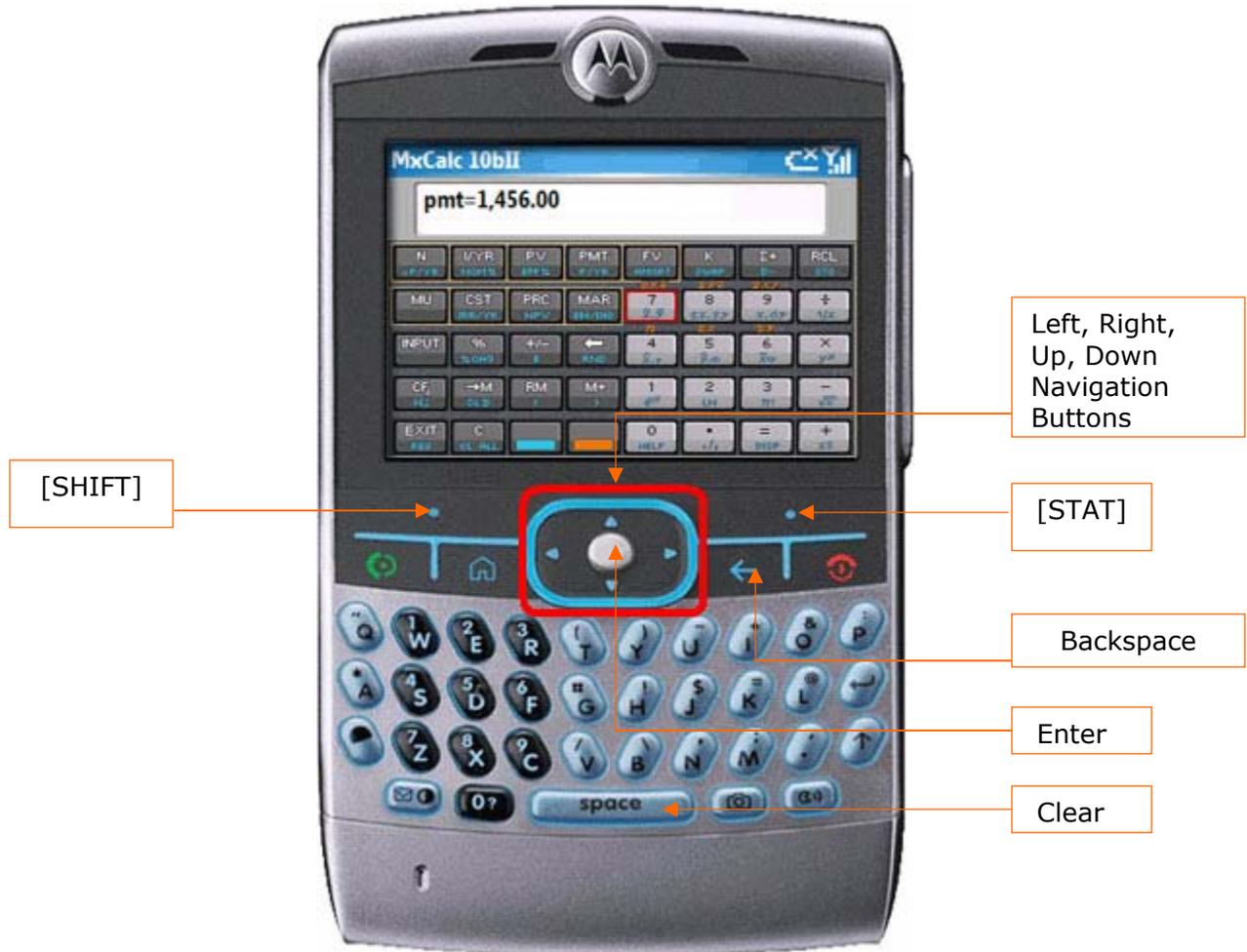
- **Desktop**

http://www.microsoft.com/downloads/details.aspx?FamilyID=0856eacb-4362-4b0d-8edd-aab15c5e04f5&displaylang=en

2.2 Uninstallation.
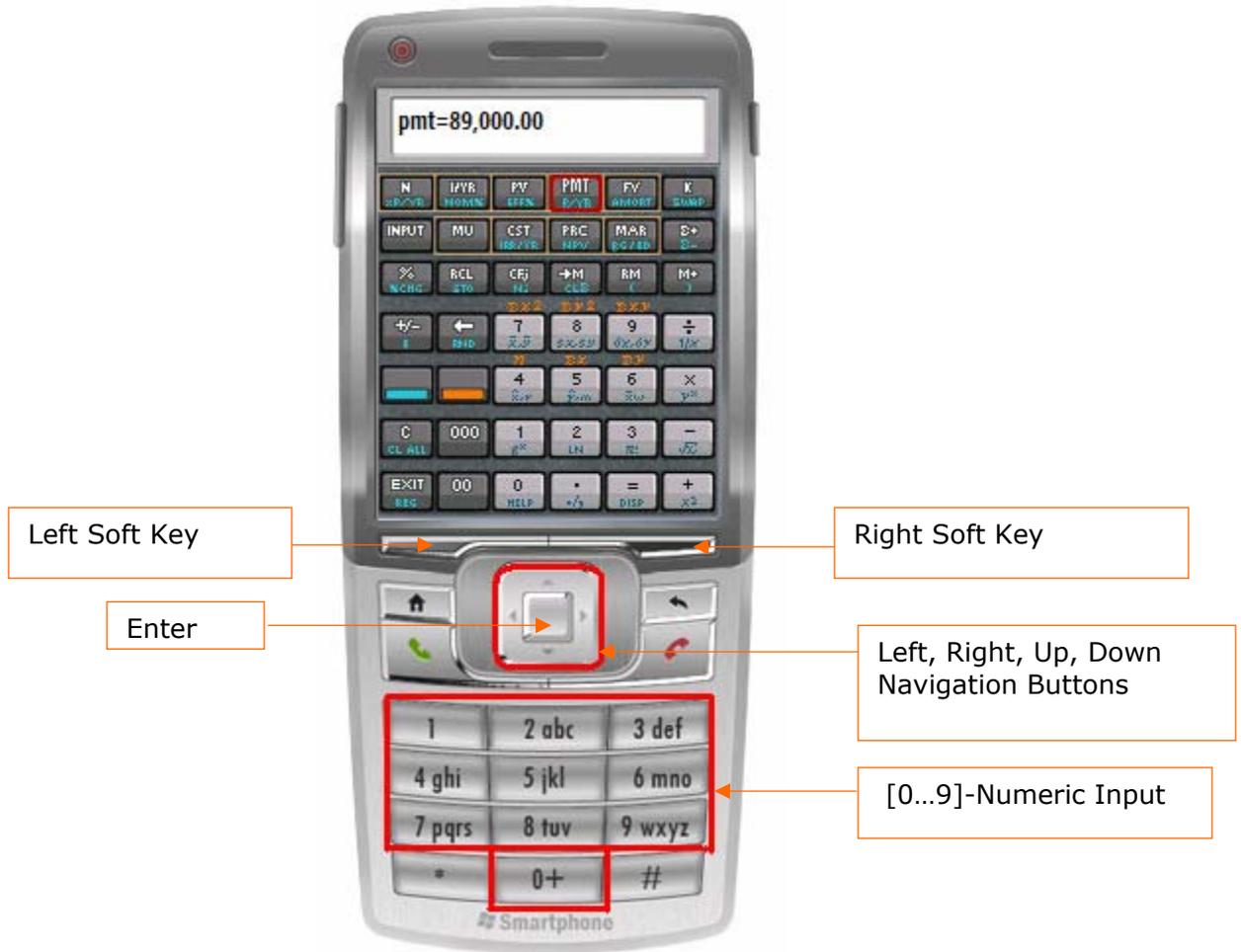
To remove the product from your Pocket PC:
♦ Go to **Start menu** >> **Settings**
♦ Select **System** Tab and tap on **Remove Programs**
♦ Select MxCalc 10bII from the list and tap on the Remove button
♦ Choose **"Yes"** to confirm removing

Key Mapping

[SHIFT]

Left, Right, Up, Down Navigation Buttons

[STAT]

Backspace

Enter

Clear

Key Mapping for Other Smartphones

Left Soft Key

Right Soft Key

Enter

Left, Right, Up, Down Navigation Buttons

[0…9]-Numeric Input

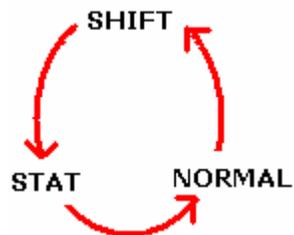Screen1 (Left Screen)   Screen2 (Right Screen)

Selected
Button

Selected
Button

Change
Screens.

Change
Screens

- Dual screen is available by tapping [SHIFT] [INPUT] buttons. This mode is available for devices with smaller screen size (SP 2002 & 2003) so that the buttons are clearly visible. Here the buttons are divided into two screens.
- In the dual screen you can use **Right Soft Key** to navigate screen1 and screen2 as shown in the above figure.
- You can use **Left Soft Key** to change key pad mode shown in the figure.

SHIFT

STAT   NORMAL

♦ **Tips and Tricks**

1. Input Statistical Data: Set focus on [sigma +] then input numbers using numeric key on the keyboard and press 'Enter' button. Enter all the subsequent Data by entering the numbers & pressing 'Enter' button.

2. Input Cash flow: Set focus on [CFj] then input numbers using numeric key on keypad and press 'Enter' button. Enter all the subsequent Cash Flows by entering the numbers & pressing 'Enter' button.

3. To Calculate Financial and other values using keypad (QWERTY Keyboard only)

   a. Release Number Lock (in case locked for numeric input).
   b. Press the first characters of the Functions as displayed on the screen. You will see an annunciator displaying the most matching function like the Auto Complete function. When annunciator displays the function name, press 'Enter' button. This method of command reduces the Navigation time required to set focus on a particular function (Button).

   Example:

   To perform [PMT] function by using keypad button :-

   1. Input numeric value and then Release Number Lock.
   2. Press {p/P} button. Annunciator (right corner of the display area) will display 'PV'.
   3. Press {m/M}. Annunciator will now display 'PMT'.
   4. Press {Enter} button to set or get PMT.

Function Shortcuts –

The following shortcuts are not case sensitive & the shortcut(s) characters for the functions not mentioned in the list below remain same as seen on the calculator buttons. E.g. For Amort function the shortcut is 'AMORT'.

	Function	**Shortcut(s)**
1.	%	PER
2.	%CHG	CHG
3.	P/YR	PYR or P/YR
4.	$\Sigma+$	SIGMA+ or S+
5.	$\Sigma-$	SIGMA- or S-
6.	->M	SMR
7.	CLΣ	CLS
8.	I/YR	IYR or I/YR
9.	IIR/YR	IIRYR or IIR/YR
10.	BEG/END	BEGEND
11.	xP/yR	XPYR

♦ Error messages

Cash Flows > 20	Attempted to enter more than 20 cash flow groups (initial cash flow plus additional 19 cash flow groups.
empty list	Attempted to perform a calculation with no data.
inputs caused ÷0	Calculation has caused a division by zero.
invalid input	Attempted to store a value outside the valid range; or on some cases the expression entered was incomplete.
error: 0	On some cases the expression entered was caused unknown error.
error: 0^x ; x<0	Attempted to raise zero to a negative power.
All Clear	Memory has been erased.
error: log(x) ; x < 0	Attempted to take log of a negative number.
error: log(x) ; x = 0	Attempted to take log of zero.
error:y^x;y<0,x non int	Attempted to raise a negative number to a noninteger power.
error:sqrt(x) ; x<0	Attempted to take square root of a negative number
input caused math error	On some cases the expression entered was caused arithmetical error.
error: over flow	Attempted to do a TVM calculation where the periodic interest is less than -100%.
many or no solutions	Solution to Financial Value may or may not exist.
n!; n < 0 or n noninteger	Attempted to calculate a factorial of a noninteger or negative number.

♦ Features of MxCalc 10bII

- Algebraic Entry System Logic
- Quickly identify cash flows and amortization values.
- Statistical analysis
- Standard deviation, mean & weighted mean
- Linear regression and linear estimation
- Forecasting, correlation & co-efficient
- Total, Sx, Sx², Sy, Sy², Sxy
- +, -, *, ÷, 1/x, In x, ex, yx, n!, x²
- Margin as a percent of price.
- Mark-up as a percent of cost price
- Variable compounding
- Cash flow analysis
- Time Value of Money (TVM)
- Net Present Value (NPV)
- Internal Rate of Return (IRR)
- Automatic constant
- 3 Key memory
- 19 Storage registers

♦ Other Reference Manuals

"HP-10B Business Calculator Owner's Manual" (1994). Hewlett-Packard Company, Corvallis, Oregon, USA.

"HP 10BII Business Calculator Owner's Manual" (2000). Hewlett-Packard Company, ACO, Victoria, Australia.

* HP-10B and HP-10BII are trademarks of the Hewlett-Packard Company.

♦ How to Register

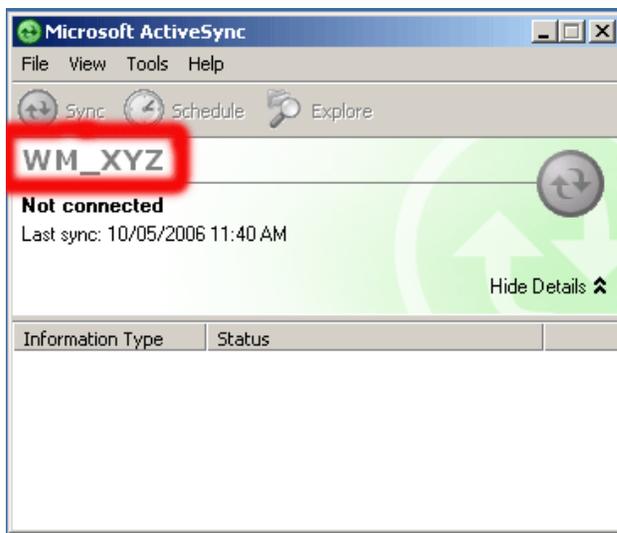Evaluation version will expire after 15 uses. Please register.

Serial ————— **Serial #**

Key

Enter Key

Developed by 3GR Technologies.

————— **InputPanel**

- ➢ To register you will need the **ActiveSync ID** or **Owner Name** or **Serial #**.
- ➢ You can locate the ActiveSync ID as shown below. In the example given below **'WM_XYZ'** is the ActiveSync ID.
- ➢ The Serial # is a 19 digit # located in the registration form as seen in the example.
- ➢ Owner Name is the name in the Owner Information found in the Today Screen.

Microsoft ActiveSync

File   View   Tools   Help

Sync   Schedule   Explore

WM_XYZ

Not connected

Last sync: 10/05/2006 11:40 AM

Hide Details ☆

Information Type	Status

To find the Owner Name Today's Screen or by clicking on **Settings-->Personal-->Owner Information -->Name** If you have not set the owner name, please set it
& supply when requested

If you do not have the Microsoft ActiveSync software (Usually a CD is packaged in the PocketPC box) installed, please install it. To download visit the following page http://www.microsoft.com/windowsmobile/activesync/default.mspx
If you purchase MxCalc 10bII, you will receive a personal registration code to unlock the 15 uses limitation in the trial version. Please enter this registration code into the calculator as follows.
1. Press [SHIFT] [EXIT] which is the [SHIFT] button, [EXIT] button. This will open a registration window.
2. To Register MxCalc 10bII please follows the following Steps:

- ♦ Open the registration form.
- ♦ Enter the registration code in the key input area.
- ♦ Select 'Enter key' to complete your registration.