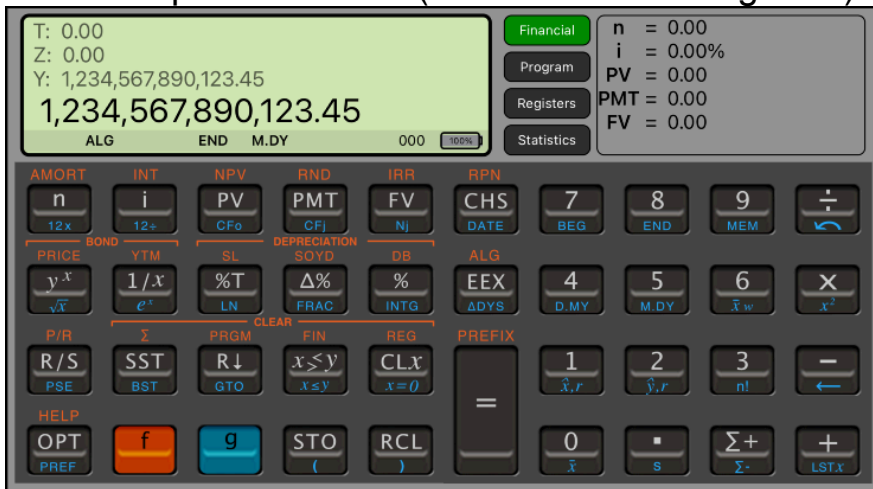


General Overview

The RLM-12PX calculator application is an extensive set of tools and enhancements inspired in the real HP-12C Platinum calculator. It works in the same way, but expanded with 15 digits precision, 100 store registers, 1000 program steps and a complete set of menus to handle almost any financial and business problem (toggle tapping the **[OPT]** key). Also, the Display was expanded to show all the Stack registers and, in landscape orientation, the content of the financial registers, storage registers and program memory. The “HP-12C Platinum” calculator is an updated version of the famous “HP-12C” designed and introduced by Hewlett Packard in 1981. It is faster and include “RPN” and “ALG” logic.

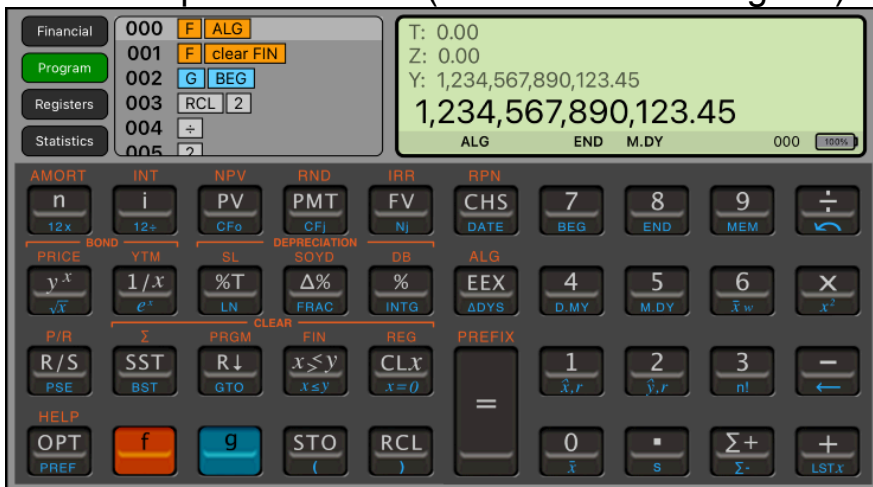
Landscape Orientation (Left Handed Setting OFF)



Portrait Orientation

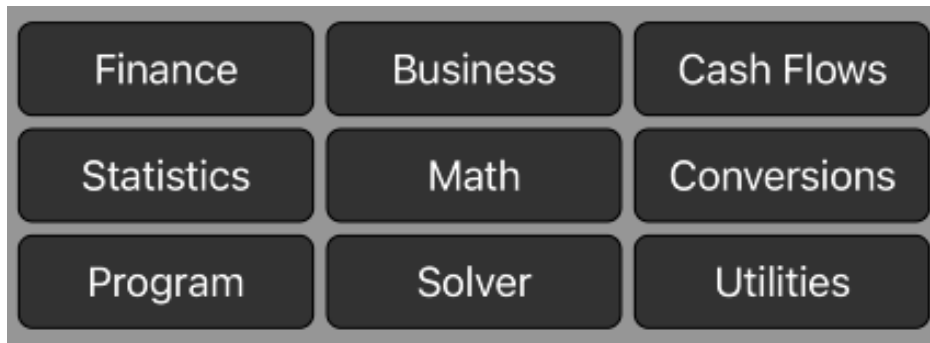


Landscape Orientation (Left Handed Setting ON)



The normal ON key present in the real calculator was changed by the **OPT** key to show or hide the **Main Menu** described next.

Main Menu (OPT key)

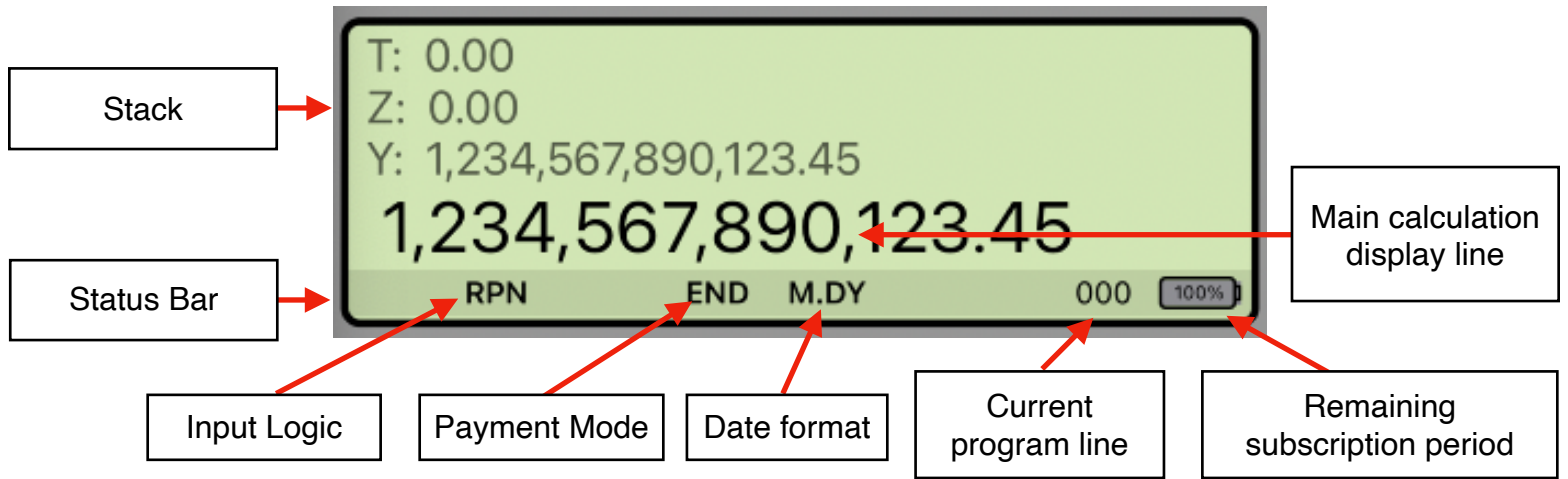


Finance Menu	
Account Balance	Calculates the balance of a credit line type account at any date based on cash transactions and interest rates applied.
Amortization	Calculates a loan Amortization Schedule from a single loan payment or from several payments at once.
Bond Price & Yield	Calculates annual or semi-annual coupons bonds with actual calendar or 360 days year in an easy way with all options and values at sight.
Black-Scholes Options	Calculates the prices of a CALL option, PUT option and the Greeks values using the Black-Scholes European option valuation model.
Depreciation	Calculates the Depreciation Schedule of an asset with all the values at sight, using SL, SOYD, DB or ACRS methods.
Interest Rates	Calculates nominal and effective interest rates using either periodic or continuous compounding.
Time Value of Money	Calculates compound Interest problems involving money earning interest over a period of time.
Business Menu	
Bill-Tip-Split	Calculates the total and the amount to pay per person based on a bill amount, a number of persons and a tip percent or amount.
Break-Even	Calculates break-even based on the following equation: Profit = (Price - Variable Cost) • Units - Fixed Cost
Date / Time	Calculates Date and Time intervals with all values at sight.
Margins	Calculates the business margin, mark-up, price or cost.
Percents	Calculates percent change and percent total in a single menu.

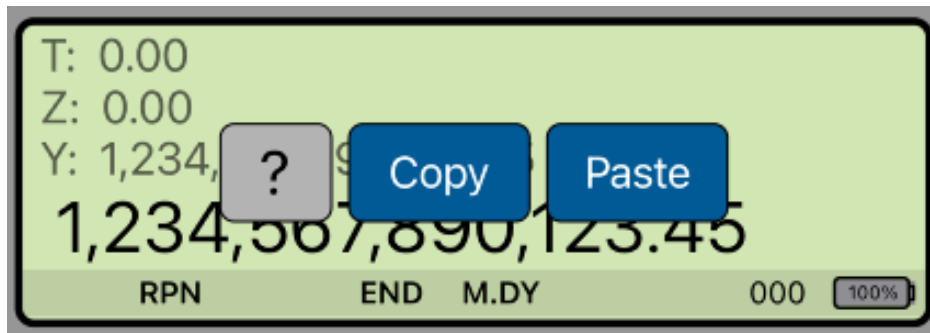
Cash Flows Menu	
> Load (CF_j, N_j) List	Load a previously created “(CF _j , N _j) List” of equal period cash flows to the calculator’s storage registers.
Equal Periods	Shows a view to perform calculations over a “(CF _j , N _j) List” of equal periods cash flows.
Unequal Periods	Shows a view to perform calculations over a “(Date, CF) List” of unequal periods cash flows.
Statistics Menu	
> Load (X,Y) List	Load the statistics summary (R ₁ to R ₆) calculated from a previously created “(X,Y) List” of data samples.
X,Y Statistics	Shows the Statistic Calculation view to perform calculations over a previously created “(X,Y) List” of data samples.
Curve Fitting	Shows the Curve Fitting view to apply different regression models to an “(X,Y) List” data samples.
Probability	Shows a view to perform Combinations, Permutations and calculations over common probably distributions.
Math Menu	
Hyperbolic	Shows a view to apply Hyperbolic functions to the displayed number.
Logarithm	Shows a view to apply Logarithmic functions to the displayed number.
Number Alteration	Shows a view to apply Number Alteration functions to the displayed number.
Trigonometry	Shows a view to apply Trigonometric functions to the displayed number.
Conversions Menu	
Angles	Calculates angle conversion between decimal degrees, radians, gradians, degree-minute-second and slope percent.
Currencies	Calculates a currency exchange between two selected world currencies and common crypto currencies.
Polar-Rectangular	Performs conversion between rectangular (X,Y) coordinates and polar (R,Ø) coordinates.
Units	Calculates physical units conversions whiting a selected units category.

Program Menu	
New	Clears the program memory and set Program Mode to start creating a program.
> Load Program	Load a previously saved program in the Program Editor.
Program Editor	Opens the Program Editor view to create or edit programs.
Solver Menu	
Solver	Solve arbitrary algebraic equations entered and saved in the equation editor and creates a menu with all the equation variables to solve any of them.
Utilities Menu	
General Settings	Shows a view to customize the calculator to your preference.
Memory Content	Shows a view to see all memory content and backup or restore it.
Help Documents	Shows the help view to learn by example about all the calculator's menus.
> Editors	Shows a submenu to select one of the different data editors.
(Date, Transaction) List	Opens an editor to create a "(Date, Transaction) List".
(Date, CF) List	Opens an editor to create a "(Date, CF) List".
(CFj, Nj) List	Opens an editor to create a "(CFj, Nj) List".
(X,Y) List	Opens an editor to create a "(X,Y) List".
Program	Opens the program editor to create or edit a program.
Solver Equation	Opens an editor to create or edit equation used by the Solver.
Units Conversion	Opens an editor to create or edit physical units.

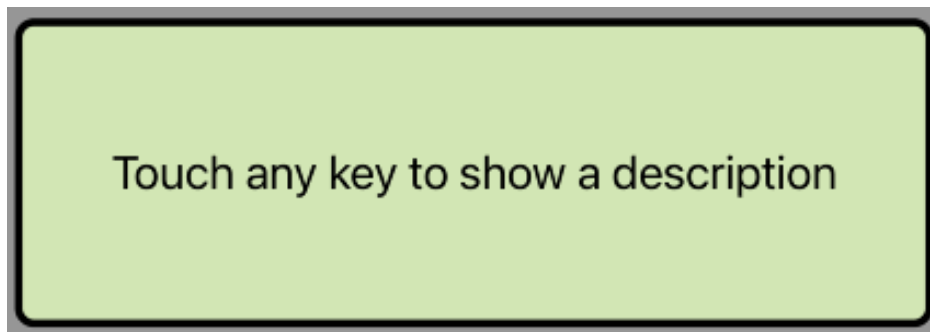
Normal Calculator Display



Touching the display at any time brings up the Help-Copy-Paste buttons to the front. There you can “Copy” the displayed number or “Paste” previously copied one.



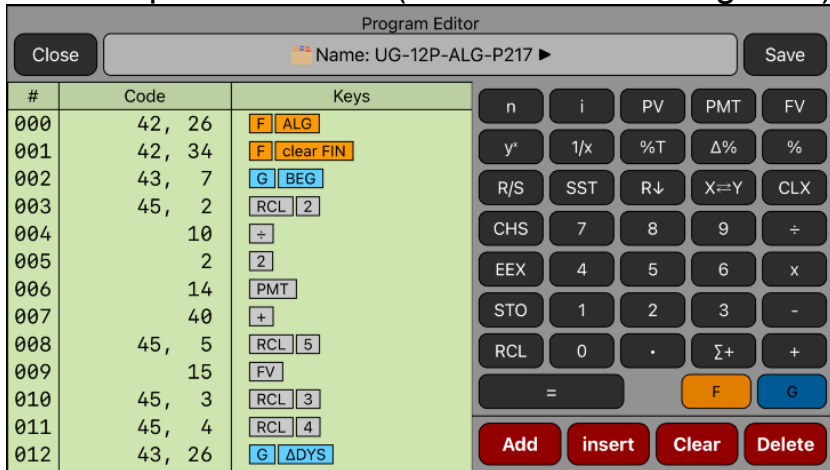
The “?” button turn on the quick help for a short description of any keyboard or menu button.



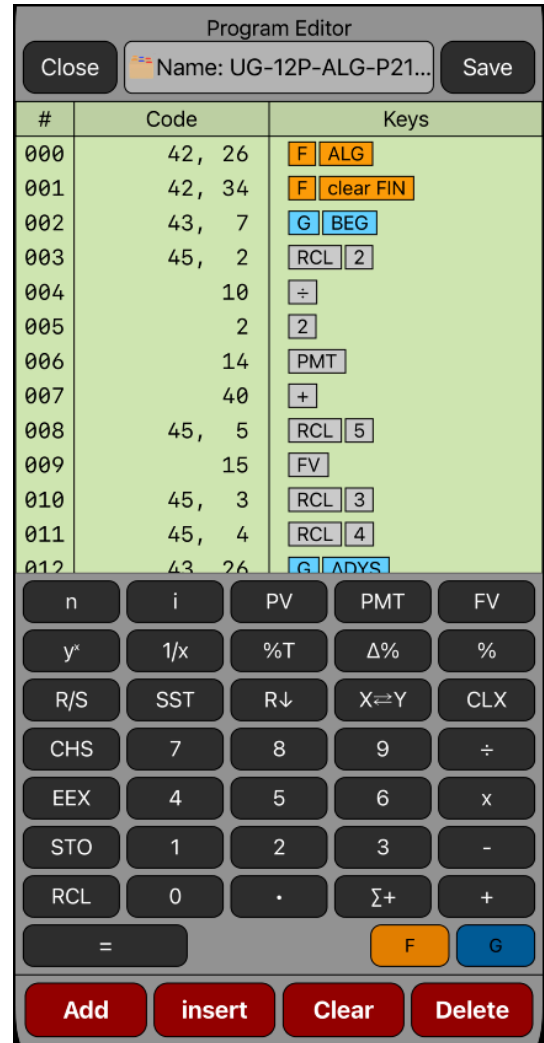
Program Mode Display

When the Program Mode is set (**F P/R**) the display changes to show the Program Editor view (see the Program item of the Utilities / Editors menu):

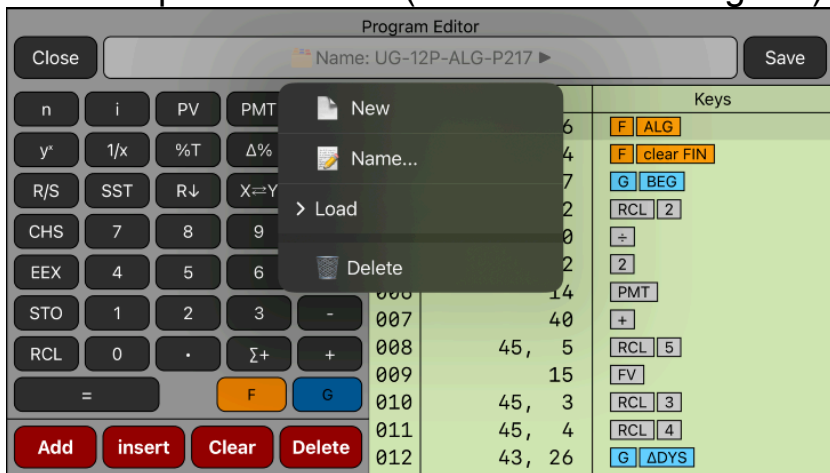
Landscape Orientation (Left Handed Setting OFF)



Portrait Orientation



Landscape Orientation (Left Handed Setting ON)



You can swipe over the display to scroll the program listing to the desired location, and tap in any line to select it and edit as necessary.

Since the calculator is inspired in the real **HP-12C Platinum**, we strongly recommend that you obtain the real calculator [Owner's Manual](#) available in internet and review all the help topics selecting them from the top buttons in the **HELP** view (tap **[f] [HELP]**).

For further information and support go to www.rlmtools.com or send an email to support@rlmtools.com

DISCLAIMER: THIS IS NOT A HEWLETT-PACKARD CALCULATOR, AND IS NOT SPONSORED, SUPPORTED OR UNDERWRITTEN IN ANYWAY BY HEWLETT-PACKARD OR ANY OF ITS SUBSIDIARIES.