







Currency Conversion Menu (CURRX)

The RLM-19BII has a convenient Currency Exchange menu to quickly do currency exchange calculations between two currencies using an exchange rate that can be stored, calculated or obtained on-line from Google Finance website.



The tool works with two selected currencies at a time and a rate of conversion between them.

Currency Exchange Buttons	
	Stores or calculates the the value of the first currency. $\text{Curr1} = \text{RATE} \cdot \text{Curr2}$
	Stores or calculates the the value of the second currency. $\text{Curr2} = \text{Curr1} \div \text{RATE}$
	Stores or calculates the current exchange rate value. $\text{RATE} = \text{Curr1} \div \text{Curr2}$
	Stores the current selected currencies and the rate for further use through the “LOAD” button.
	Shows a list of previously saved currency conversion to select one to load.
	Shows the “Currency Selection” view to select the “Curr1” and “Curr2” currencies.

Currency Selection View

The “Currency Selection” view is a scrollable list that contains all the available currencies.



Select the
“Curr1”
currency

Select the
“Curr2”
currency

Close the
view

Assign the
currencies
and close
the view

If an Internet connection is available,
Get the current exchange rate from Google Finance.

Stored Conversions List

The “Stored Conversions” view is a scrollable list that contains all the conversions stored using the “SAVE” button.

The screenshot shows a mobile application interface titled "Select a Conversion to Load". It features a scrollable list of three saved conversions. Each conversion entry includes a source currency flag, the conversion rate, the target currency, and the date and time of the conversion. The second entry, "1.0 USD = 6.192000 CNY", is highlighted in grey, indicating it is the selected conversion. At the bottom of the screen, there are four buttons: "Cancel", "Delete", "Reset", and "Load".

Source Currency	Conversion Rate	Target Currency	Date and Time
USD	1.0 USD = 0.765500 EUR	EUR	Apr 12, 2013, 7:06 AM
USD	1.0 USD = 6.192000 CNY	CNY	Apr 12, 2013, 7:06 AM
GBP	1.0 GBP = 1.175883 EUR	EUR	Apr 12, 2013, 7:06 AM








Callouts and their corresponding elements:

- List of saved conversions:** Points to the scrollable list of conversion entries.
- Selected conversion:** Points to the highlighted second conversion entry.
- Close the view:** Points to the "Cancel" button.
- Load the selected conversion:** Points to the "Load" button.
- Delete the selected conversion:** Points to the "Delete" button.
- Delete All conversions:** Points to the "Reset" button.

Example: On-line Rates (requires Internet connection)

How many european Euros (EUR) are 46,820 Chilean pesos (CLP)?.







Solution: Follow the next sequence:

Keystrokes	Description
	Shows the currency selection
 EUR	Select the EUR row in the left list to assign Euros to Curr1.
 CLP	Select the CLP row in the right list to assign Chilean pesos to Curr2.
	Touch the Get On-Line Rate to get the current rate from Google Finance (wait until the rates fetching ends).
	Close the Currency Selection view.
46820 	Type the CLP amount and touch the “CPL” button to enter it. CLP = 46,820.00
	Calculates the amount in Euros. EUR = 76.55 (assuming a rate of 611.66 CLP/ EUR)







Example: Manually input Rate & Currencies order

Convert 135.00 Hong Kong dollars (HKD) to U.S. dollars (USD) if 1.0 HKD are equal to 0.1282 USD.

Solution:

Keystrokes	Description
	Shows the currency selection
 USD	Select the USD row in the left list to assign American Dollars to Curr1.
 HKD	Select the HKD row in the right list to assign Hong Kong dollars to Curr2.
0.1282 	Stores the rate value. RATE = 0.1282
135 	Stores the HKD amount. HKD = 135.00
	Calculates the amount in US dollars. USD = 1,053.04 ***WRONG***

This result is **wrong** because the currencies were entered in inverse order in accordance to the Rate value. To resolve that do the following:

Keystrokes	Description
    	Recall the value of the RATE variable. Calculate the reciprocal and store the result in the RATE variable again. RATE = 7.80
	Calculates the amount in US dollars. USD = 17.31 and now it is correct !