

Units Editor Tool

This tool adds a convenient editor to customize the “Unit Conversion” tool categories and units. To show it, press the **OPT** key, touch the “Utilities” menu button, and select the “Units Editor” option.

The screenshot shows the Units Editor Tool interface. At the top, there is a 'Category' dropdown menu set to 'Length Units'. Below this is a list of units: 'au', 'As', 'ch', 'Ch', 'cr', 'Ce', 'Fa', 'Faf', 'ft', 'Fe', 'fu', 'Fu', 'g.', 'Ge', 'hu', 'Hu', 'in', 'Inches', 'km', 'Kilometers', 'ld', 'Earth to Moon Distance', 'ldy', 'Light-Day', 'lhr', 'Light-Hour', 'lmin', 'Light-Minute', 'lsec', 'Light-Second', and 'lvr'. A modal window is open for editing the 'km' unit. It shows the symbol 'km', a conversion equation $S.I. = Kn \cdot (Unit - Co) / Kd + Cn / Cd$, and input fields for 'Kn' (1000), 'Kd' (1), 'Cn' (0), 'Cd' (1), and 'Co' (0). There are 'Cancel' and 'Save' buttons at the bottom of the modal. At the bottom of the main interface, there are 'Cancel', 'Action', and 'Done' buttons. Callout boxes point to various elements: 'Select a Unit category to edit' points to the 'Category' dropdown; 'Selected Unit input data view' points to the 'km' unit in the list; 'Insert a new Unit to the list' points to the green '+' button; 'Close the editor and discard all changes' points to the 'Cancel' button; 'Shows the Action Menu to create, rename, delete, reset, etc...' points to the 'Action' button; 'Close the editor and updates the Units Database' points to the 'Done' button; 'Shows unit input data view' points to the 'i' button; 'Remove unit from the list' points to the red '-' button; 'Ordering Control' points to the blue bars on the right of the unit list; 'Conversion Equation' points to the equation in the modal; 'Select Previous Unit in the list' points to the up arrow button; and 'Select Next Unit in the list' points to the down arrow button.

Select a Unit category to edit

Select Next Unit in the list

Select Previous Unit in the list

Conversion Equation

Remove unit from the list

Shows unit input data view

Ordering Control

Close the editor and updates the Units Database

Shows the Action Menu to create, rename, delete, reset, etc...

Close the editor and discard all changes

Selected Unit input data view

Insert a new Unit to the list

The editor has three areas: the data listing, the keypad to enter numbers and the actions buttons.

Unit Listing:

- Shows the units contained in the selected Category.
- Touch a Unit in the list to show the edition buttons to Insert, Delete or Edit.
- Touch the “Ordering Control” and drag up or down to re-order the unit in the list.

Input Data View:

- Touch any of the fields to edit it. The coefficients K_n , K_d , C_n , C_d and C_o correspond to the conversion equation to get a S.I. system value.
- A number in edition is actually entered in the list when the **[INPUT]** key is pressed

[Action ►] Button:

New Unit	Creates a new unit in the current Category at the end of the list and shows the Unit Input view.
New Category	Ask for the new category name and creates it.
Rename Category	Ask for a new name for the current Category.
Delete Category	Removes the current category from the unit database.
Reset Category	Reset the current category to the factory default. All reordering, deletion, addition or edition previously done will be lost. If the category is a custom one, not originally present in the DataBase
Reset All Units	Resets all units and categories to factory default. All custom edition will be lost.