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Intro:

This is the page you should read before installing **SpeedUI**, the modular and speedy user interface replacement for the HP-48 G series.

Quick Start:

For new users, it will be a good starting point to first install CF_lite.LIB , UFL3.LIB and UI_lite.LIB to port 0 or 1. This will take ~30KiB . Perform a warm start. Experienced users may install additional SpeedUI components at their choice.

Migrate SpeedUI settings from older versions to 15.01 and on:

If you have installed SpeedUI 12.04 or newer, you can skip this paragraph.

If you have installed a SpeedUI version older than version 12.04 , please follow the instructions below.

Before doing anything else, please exit the SpeedUI stack environment.

Then, download the ToSUIpar conversion tool provided in the SpeedUI package.

Run the ToSUIpar program. The program reads all SpeedUI settings from the various individual variables, and combines and stores them into a new single variable.

Afterwards you will be asked to delete the old SpeedUI variables, which you should answer with YES.

Then, uninstall all SpeedUI components, and install the new SpeedUI components, starting with CF.LIB.

More info on the ToSUIpar conversion tool can be found in MoreInfo.htm .

Installation:

The installation of the individual SpeedUI components works exactly as with other libraries.

CF.LIB and CF_lite.LIB have the same basic functionality. They only differ in the speedup rate of some functions, and the advanced features included, and therefore the program size. The same applies to UI.LIB and UI_lite.LIB . In this document the name CF.LIB stands for either CF.LIB or CF_lite.LIB, and the name UI.LIB stands for UI.LIB or UI_lite.LIB.

There are some things to notice:

- CF.LIB is the first lib to install
- CF.LIB must be stored in port 0 or 1
- CF.LIB is the only lib always needed
- Be sure to use the latest CF.LIB , typically included in the latest SpeedUI archive
- CF.LIB is the only lib which needs special treatment for uninstallation (see below)
- To use UI.LIB (recommended) you first have to install an UFL.LIB which contains UFL **FNT1** (UFL1.LIB , UFL3.LIB) or UFLF.LIB supplied with SpeedUI in port 0 or 1

Uninstallation:

The uninstallation of the individual SpeedUI components works similar as with other libraries,

with the following differences:

- Before doing anything else, exit SpeedUI stack using the keyword S4567 or clear user flag 56 (56 CF)
- For SpeedUI components with a library number < 700 , you have to add 2048 to the library number for the DETACH command.
- To remove CF.LIB (ID 4) , perform **:&:2052** DETACH then **:&:4** PURGE (where the ampersand stands for "any port")
- After that, you can uninstall any other SpeedUI components in any order using the same procedure.

The above uninstallation order (1st UI, 2nd CF) is needed only if you want to uninstall or replace the UI.LIB component or the CF.LIB base library. All other SpeedUI components can be replaced or uninstalled using the 2048+ trick , but without the need to deinstall UI.LIB first.

Configuration Options:

SpeedUI is very modular. This means the user can customize the system to his needs.

Common Configurations:

- Basic: SpeedUI stack environment. Needed: CF.LIB UFL3.LIB UI.LIB. ~55KiB
- Minimal: SpeedUI stack environment lite version. Needed: CF_lite.LIB UFL1.LIB UI_lite.LIB. ~28KiB
- GUI+: SpeedUI Choose + input form replacements. Needed: CF.LIB B0.LIB B3.LIB . Optional UFL3.LIB . ~48KiB - ~51KiB
- Advanced: SpeedUI stack environment + Choose. Needed: CF.LIB UFLF.LIB UI.LIB B3.LIB . ~75KiB
- Full: The full SpeedUI package. Needed: All SpeedUI components. ~139KiB

Startup:

During normal startup CF.LIB configures the installed SpeedUI components.

Startup can be interrupted by the user (see "Some more info about CF.LIB")

The user can also exclude libraries from being configured at startup.

This is done using an exclusion list, which will be stored in the "NoCfg" (w/o quotes) variable in the HOME directory.

The list can contain one or more real numbers, which represent the library number of the library to exclude from configuration.

Additionally, the user can define a variable named "STARTUP" in the HOME directory, which will be evaluated on every warm start.

This mechanism can be used to preset certain calculator settings to a predefined state after a warm start.