

HP 82000

Software Revision 5.0

Dear HP 82000 User,

we are pleased to release revision 5.0 of the HP 82000 System Software. Please find enclosed your copy of the materials required to migrate to this new version.

Revision 5.0 of the HP 82000 System Software adds the following capabilities to your Test System. They are based on inputs from you, our customers. We hope you will find them to be of benefit to your daily use of the system. They are meant to ease your tasks, and to extend the applications spectrum you can address. We count on your continuing feedback to further develop the HP 82000's capabilities.

- **Support of HP-UX rev 9.0**
Revision 5.0 of the HP 82000 system software builds on the most recent revision of HP-UX as the operating system platform, its associated ANSI-C Compiler and Symbolic Debugger. For a description of their enhanced performance and functions, please refer to the release documentation provided with the HP-UX update.
- **Softscope**
Like an oscilloscope, the Softscope lets you view one or more output signals of your device at high resolution. This way, you can measure signal performance, see reflections and distortions, and consequently remedy any undesired effects.
- **Multiple Format Files**
You now have the ability to generate and save multiple display formats of your setup and result screens, and switch easily between them. This allows you to focus on the interaction of selected sets of pins and pin groups.
- **Golden Device with Don't Care**
The Golden Device test function now permits the use of 'Don't Care' data, to mask out incoming data which is known to be unstable.
- **Show Errors in High Resolution Timing Diagram**
As previously available for State List and standard Timing Diagram, a Show Errors function now also can highlight differences between expected data and acquired data in the High Resolution Timing Diagram and in the Softscope.
- **Shmoo over Termination Level**
You can now evaluate output pins of your DUTs for their performance against variation of the termination level. Termination voltage is now an additional parameter to sweep in the Shmoo Plot and Global Search Test Functions.
- **Order of Pin and Group Names**
Pins are now displayed in browsers, setup windows etc. in 'numerical' order, if their names contain any numerical elements: e.g. d1, d2, d3, d4, d5, d6, d7, d8, d9, d10, d11 ... (instead of d1, d10, d11, d2, d3, d4, d5, d6, d7, d8, d9 as before).
- **Tabular Link with wildcard characters**
When converting EDA files with the Tabular Link, you can command the translation process to skip a fixed number of characters at the beginning, or a variable number of characters at the end of each line, that may be irrelevant for vector extraction, such as comments.

- Vector Binary to ASCII conversion
Upload Expected Data or Acquired Data from the Data Manager in ASCII tabular format. In this way you can easily edit the data with a standard ASCII editor (e.g. vi), and use the Tabular Link to convert it back to HP 82000 binary vector format.

The following functions were introduced with software revision 4.5. This software revision has not been distributed as an update, and therefore these functions may also be new for you:

- Snapshot of any Window
With a snapshot you freeze the present state of any window, and view changes in a new, active window of the same type.
- Firmware Command Execution via Test Function
A new Firmware Escape test function allows you direct control of your HP 82000 Test System with HP-IB commands from the interactive Test Function Control Window.
- HP-UX Command Execution via Test Function
This test function lets you execute an HP-UX command from the interactive Test Function Control Window
- Additional Command Line Options
When executing *hp82000* from HP-UX, you have additional command line options available to customize the setup.
- Configurable Main Menu
You now can set up a new button on the main menu, and have it execute any task, for example starting the Visual Engineering Environment (HP-VEE). Similarly, you can permanently disable any button from the main menu (e.g. Change Device, BASIC etc.).

Errors in previous versions you have reported have been corrected. For a detailed list of Known Problems, their status and possibly for suggested work-arounds, please refer to the attached Software Status Bulletin.

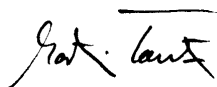
As indicated above, the HP 82000 System Software rev. 5.0 is based on, and actually requires HP-UX revision 9.0. If your software support agreement covers HP 82000, HP-UX and BASIC-UX jointly (E1288A+UAH or E1288A+UAC), this update also provides the required software media and the documentation updates for the HP-UX Run-Time / ANSI-C Programming Bundle (p/n B1863A) and for BASIC-UX (p/n E2040A).

If your support agreement provides split coverage for these three core products, we assume that you have already taken delivery of the required media for HP-UX and BASIC-UX. In this case, you now only get the HP 82000 rev 5.0 software and documentation updates.

For installation of the fully comprehensive update, please refer to the attached update instructions. Please note that HP-UX 9.0 no longer supports the workstation models 319, 320 and 330. These 68020 based workstations were available as a choice with HP 82000 Systems before 1990. Please consult with your local HP Sales Representative for alternatives the Workstation Trade-Up Program offers, if you use any such workstation.

We wish you a successful installation of this updated system software for your HP 82000 IC Test System, and hope you will find it of good value for your IC test applications.

Yours sincerely



Martin Tautz
Customer Support Manager