

ReadMe

Companion Disk ReadMe for Semiconductor Modeling

README CONTENTS

- WHAT'S ON THIS CD?
- HOW TO USE THE CD
- SUPPORT INFORMATION

WHAT'S ON THIS CD?

=====

This CD includes the following items:

- Sonnet Lite from Sonnet Software, Inc.
- Visual IBIS Editor from Mentor Graphics Corp.
- Appendixes

HOW TO USE THE CD

=====

Sonnet Lite from Sonnet Software, Inc.

=====

Sonnet Lite is a free introductory version of Sonnet's Professional Suite for high frequency 3D Planar electro-magnetic (EM) analysis. Sonnet provides EM analysis to hundreds of companies across the world. Sonnet Lite can be used to analyze planar structures such as transmission lines, matching networks, microstrip or stripline filters, vias, crosstalk, package resonances, and much more.

This software runs on windows platforms. The installed program requires a minimum of 75 Meg of storage. The memory requirements needed for the creation and analysis of design problems increase memory storage requirements.

To Install Sonnet Lite:

1. With the CD in the CD-ROM drive, browse to the SonnetSoftware directory.
2. Double-click setup.exe and follow the setup instructions.
3. After installation, go to Start>Programs>Sonnet 10.51>Register and follow the registration instructions that appear.

You will receive two emails in response to registering. One email will contain a set of license keys. A second email will contain information on where to get updated software and how to join a Sonnet web-based Community Forum.

4. Open the email titled 'Sonnet Lite Key Codes from Sonnet Software' and follow the instructions for license installation.

As of this writing, the license installation instructions ask you to save the email as a text file on your C: drive and to start the Sonnet program.

5. From the task bar, select Admin>Make License. Follow the program's instructions.
6. When done, you are ready to start learning the program. Nothing happens until you select a task from the task bar. The authors strongly recommend that you follow the Tutorials and User Manuals as you begin your learning journey.
7. If you have further questions, contact Sonnet at:

Sonnet Software, Inc.
100 Elwood Davis Rd.
North Syracuse, NY 13212 USA
Voice: 315-453-3096
Toll Free: 877-776-6638 (USA & Canada only)
FAX: 315-451-1694
Web: <http://www.sonnetsoftware.com>
Email: info@sonnetsoftware.com

Visual IBIS Editor from Mentor Graphics Corp.

Visual IBIS Editor is a free tool from Mentor Graphics for creating IBIS (I/O Buffer Information Specification) model files. This tool validates syntax, creates model templates, graphically displays V/I and V-t (waveform) tables, edits model text, and provides a hierarchical view of IBIS models. Anyone who uses or creates IBIS models will benefit from using this editor, regardless of whether or not they own any of Mentor Graphics' other products.

This software runs on windows platforms. The installed program requires 4.3 MB on your hard drive.

To install Visual IBIS Editor:

1. With the CD in the CD-ROM drive, browse to the MentorSoftware directory, and double-click visibis32.exe.
2. To complete installation, follow the on-screen instructions.
3. When complete, you are ready to start learning the program. You may want to read or scan the Visual IBIS Editor documentation (Help menu>Help) as you begin your learning journey.

A more-advanced version of the Visual IBIS Editor is included with Mentor Graphics HyperLynx, ICX, and ICX Pro products. These products offer technical support as well.

To make sure that you have the latest version of the Visual IBIS Editor, go to <http://www.mentor.com/hyperlynx>.

Appendixes

The Appendix directories include example data sheets, sample model files, IBIS syntax guides, presentations with practical model-building exercises (including input, intermediate, and output files), and other documentation.

For a description of the various files, go to the Appendix directories and open the readme files.

SUPPORT INFORMATION

=====

The authors hope this CD helps the user simulate and design high-speed digital circuits and would greatly appreciate the user's feedback. Please send suggestions and comments by email to:

Roy Leventhal
Training and Support in Signal Integrity, EMI, and Semiconductor
Modeling
Leventhal Design & Communications
Roy.Leventhal@ieee.org