Free Evaluation copy of
The Timing Diagrammer 1.2b
by SynaptiCAD

The Timing Diagrammer is an easy-to-use CAD environment for drawing timing diagrams. Signals and clocks are drawn faster and more accurately than pencil and paper versions. Timing parameters like delays, setups, and holds actively move and monitor signal transitions. The parameter values can be quickly edited using a custom spreadsheet, and the timing diagram automatically adjusts to reflect any parameter changes. And documentation is virtually painless using the "copy to clipboard" and printing features.

This is a **free evaluation copy** of The Timing Diagrammer 1.2 (see Legal Stuff and Disclaimer of Warranty). It is a fully functional version except for a few limitations:
- limit of 5 signals or clocks
- limit of 5 delays, setups, holds, or free parameters
- disabled save, merge, print, and copy to clipboard.
There are no limitations in the professional version of the Timing Diagrammer package

Legal Stuff:
You should read the following terms and conditions carefully. By using this software you indicate your acceptance of these terms and conditions.

You may use the evaluation version of The Timing Diagrammer to evaluate the usefulness of the The Timing Diagrammer for up to 30 days. If after 30 days you find it useful, please purchase the professional version. You may copy and distribute the evaluation version of The Timing Diagrammer freely, provided that it is distributed in its complete, original and unmodified form, together with any copyright notices that appear in the software or documentation, and that you request or receive no payment or donation in exchange for distributed copies. No portion of **The Timing Diagrammer** may be distributed together with, or as part of, any other product without the express written consent of SynaptiCAD.

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The Timing Diagrammer highlights:
- Completely modeless drawing: the **left mouse button** always draws and edits waveforms. The **right mouse button** performs all the not-so-common drawing features like adding text or delays to your drawing.
- **Delays** that force relative transition times of signals.
- **Holds** and **Setups** that monitor the time between two signal transitions.
- **Custom spreadsheet** for editing timing parameter values. Parameters can be mathematical expressions containing variables.

- **Clocks** draw themselves.
- **Continuous digital measurements**.
- **Button Bar** with quick access to common functions.
- **Object-oriented drawing** enviroment.
- **Copy to clipboard** function is great for putting timing diagrams in documents(disabled in evaluation version).
- Signals and clocks can be **hidden**.
- **Status bar** gives tips and information without reducing the size of your workspace.
- **Extensive on-line help** with Quick and Ultra-Quick overviews to get you started.

System requirements:
- IBM compatible 386 or better
- Microsoft Windows 3.1

Installing the Evaluation Version
Before installing The Timing Diagrammer please read the Disclaimer of Warranty and the Legal Stuff sections of this file. To install the evaluation version of The Timing Diagrammer do the following:
- Insert the evaluation diskette in your drive. If you downloaded timing10.zip then unzip its contents into one directory.
- In Windows, from **Program Manager**, choose the **File/Run** menu option.
- Type:
                         A:\INSTALL
    where A: is the name of the drive with The Timing Diagrammer diskette. If you are working for the zip file then type:
   A:\nameWhereUnzippedFiles\INSTALL

File List
This is a list of files that should appear in your directory after a successful installation:

timeval.exe:	Executable for The Timing Diagrammer
helptim.hlp:	The Timing Diagrammer help file
bwcc.dll:	Support file for The Timing Diagrammer
sampparm.clp:	Sample clipboard file of parameters
samptim1.clp:	Sample clipboard file of timeline, signal names and waveforms
samptim2.clp:	Sample clipboard file of signal names and waveforms
samptim3.clp:	Sample clipboard file of waveforms only
orderme.wri:	Order form
tutorial.wri:	Tutorial File
read_me.wri:	This file

Tutorial information

A short tutorial has been included on the evaluation disk. The tutorial demonstrates how The Timing Diagrammer can help detect timing errors in digital designs. It teaches you how to draw timing diagrams using The Timing Diagrammer's delays, setups, clocks and signals. It also covers the waveform editing features, measurement and quick access buttons. To print the tutorial instructions do the following:
- Install The Timing Diagrammer.
- Double click on the "Tutorial" icon in The Timing Diagrammer program box.
- Choose the File/Print menu option to print the tutorial instructions.

New Features
 - Reconvergent Fanout (common delay path checking).
 - Edit parameters in the drawing window using the Parameter Properties Dialog Box.
    (Just double click on the parameter).
 - Exact placement of signal transitions with the Edge Placement Dialog box. (Just double
    click on a signal transition).
 - Locked edge option so that a signal transition cannot be dragged or shoved from its
    current position.
 - New "display time units" setting so that you can enter values at a convenient level and
    still have the   resolution of a smaller "base time unit".
 - New "constants" for entering formulas. Mark a numeric constant with a single quote.
    For example, 5+'2*F0 is intepreted as 5(display time units)+2(constant)*F0(a free
    parameter).
 - Improved scrolling speed.
 - Minor bug fixes.

Odering Information
Print the OrderMe.wri file. There should be an icon in The Timing Diagrammer program box that will help you do this. If you have any questions call or write to SynaptiCAD:

SynaptiCAD
P.O. Box 10608
Blacksburg, VA. 24062-0608
(703)953-3390