

# Using Viewlogic's Workview Office

Workview Office is the latest design package from Viewlogic Systems, and runs under the Windows 95 operating system. Because it was released prior to Workview Office, XACTstep v6 was not designed to be fully-compatible with this new Viewlogic software. However, with a small amount of effort — as described below — the two development systems can be successfully used in concert to implement Xilinx FPGA and CPLD designs.

Here are the procedures to follow to use Workview Office with XACTstep v6:

## Installation Procedures

1. The Xilinx DS391 package (the libraries and netlist translators for use with Viewlogic tools) must be installed into the Workview Office directory. The default for the install program is to locate it in the C:\PROSER directory.
2. Workview.msg isn't installed by the Xilinx tools and is no longer included with Viewlogic tools. The following error message is displayed when this file is missing:



Figure 1

Couldn't find the message file workview.msg in the local or WDIR directories.

To resolve this problem, copy the workview.msg file from the PROSER\STANDARD directory on the XACTstep 5.2/6.0 CD-ROM to the WVOFFICE\STANDARD directory on your system. This will eliminate this error.

## Set-Up Procedures

1. The libraries used for schematic entry and simulation must be set up properly. In the Viewlogic Project Manager, under the **Library Search Order** dialog, is a button to add **FPGA Libs**. Using this button will produce a set of libraries like this:

```
dir [p] C:\temp
dir [r] c:\wvoffice;C:\XACT\unified\xc4000
(xc4000)
dir [r] c:\wvoffice;C:\XACT\unified\xblox
(xblox)
dir [r] c:\wvoffice;C:\XACT\unified\builtin
(builtin)
dir [r] c:\wvoffice;C:\XACT\unified\xbuiltin
(xbuiltin)
```

The path names to the libraries must be corrected. In order to avoid having to edit each line for every new project, use the following work-around:

- A. In the autoexec.bat, add this line:

```
set xactlibs=C:\wvoffice (or wherever the unified
directory is located)
```

- B. Edit the file libs.lst in the WVOFFICE\standard directory. Change the line,

```
#define Xilinx XACT
to
#define Xilinx XACTLIBS
```

Then restart Windows 95. This will point the FPGA Libs to the unified directory. The libraries then should appear as shown in Figure 1. Any new families can be added by editing the libs.lst file.

# with XACTstep™ version 6

The primary alias needs to be added. In the Library search order, add this library:  
dir [w] . (primary)

See **Figure 2** for an example of how this should appear.

After this step is done, the libraries in the viewdraw.ini file should look like this:

```
dir [p] C:\temp
dir [w] . (primary)
dir [rm] C:\wvoffice\unified\xc4000 (xc4000)
dir [rm] c:\wvoffice\unified\xblox (xblox)
dir [rm] c:\wvoffice\unified\builtin (builtin)
dir [rm] c:\wvoffice\unified\xbuiltin (xbuiltin)
```

Be sure to add components from the “. (primary)” library and not the “C:\temp” library to make sure that they have the primary alias.

- Invalid keywords in viewdraw.ini file can produce errors, such as:

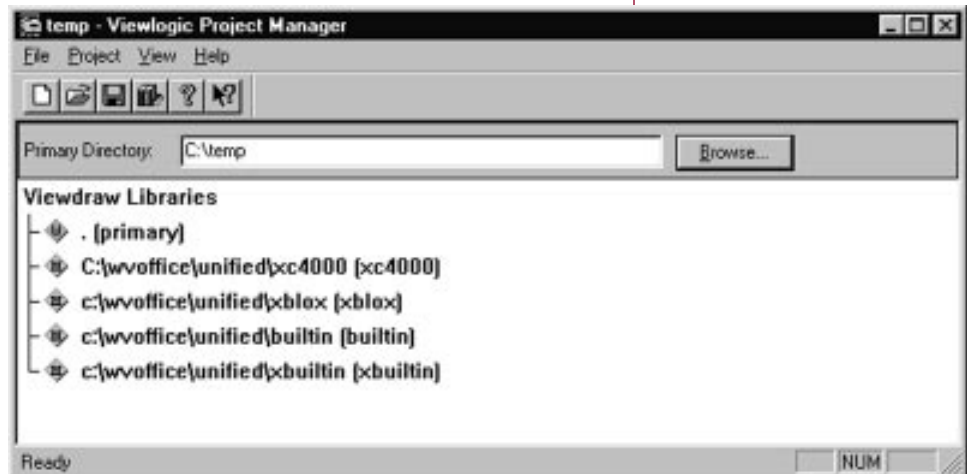
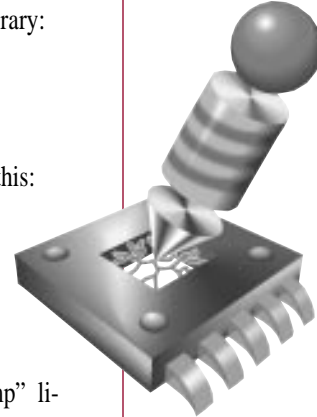
```
C:\temp\viewdraw.ini
Line 58: WINDOW_BACKGROUND 15 0 0
Invalid keyword 'WINDOW_BACKGROUND'
```

These errors can cause the tools, such as XSIMMAKE, to fail. Replace the viewdraw.ini file with the one from the XACTstep CD-ROM in PROSER\STANDARD, and update the libraries by resaving the project file.

- XSIMMAKE expects vsm.exe to be a DOS program. However, in Workview Office, the Windows GUI version of vsm has been named vsm.exe and the DOS version is vsm\_ngui.exe. XSIMMAKE will report that vsm failed. Change the names on these two executables so that the

DOS version of vsm is now named vsm.exe and the Windows version is called vsm\_gui.exe. In the Viewdraw Tools menu, select the customize item and then pick the **Common Menu Button**. Edit the **Create Digital Netlist** so the command now points to vsm\_gui.exe.

- If the license file is set to expire in 30 days or less, the warning issued in vsm will cause XSIMMAKE to fail. To solve this, contact Viewlogic Systems to have your license file updated. ♦



**Figure 2**