# *X-Ray/WINSOCK*

Version 1.10 (August 1994)

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## Compatibility

X-Ray/WINSOCK has been tested with Novell Winsock version 1.1, IBM TCP/IP for OS/2, and the shareware Trumpet Winsock version 1.0 Rev A. However, X-Ray/WINSOCK is fully compliant with the Windows Sockets Specification version 1.1, and should therefore work with Winsock libraries from any vendor that adheres to the specification.

## Product Modifications

**Drag and Drop**: Single files can be dragged from the Windows File Manager and dropped on ***X-Ray*** window or the ***X-Ray*** icon. The specified .EXE file will be launched when the trace is started.

The public domain **WINSOCK.HLP** is included with ***X-Ray***/Winsock and has hypertext links to the API functions that appear in the trace log. By pressing SHIFT+F1 in the main window, or pressing the CALL button in the Details dialog box, you can get detailed help on that Winsock function.

Send and receive buffer display options can be specified by pressing the *Buffers...* button in the Filters dialog box.

The Hide/show title bar option has been removed from **X-Ray**. Any references to it in the manual or help file should be ignored.

# Application notes

**Tracing Borland Turbo Pascal for Windows applications**: When an API error is detected, the Stack Trace listbox will only have one entry. This is due to the way that Borland manipulates the stack in a nonstandard way. Borland C/C++ programs do not exhibit this behavior, however.

**Tracing applications with large send and receive buffers**: ***X-Ray*** will consume much more memory if you are tracing applications that send and receive data in large packet sizes (2048, 4096, etc.). To minimize memory usage, press the *Advanced...* button in the **Filters** dialog box. Set a limit for buffer sizes, or turn off the buffer display altogether. Alternatively, you can set the trace buffer size to a smaller value, typically one half of the

current buffer size.

**Level of detail settings (Options dialog box)**: Remember that this option does not change the format of the ***X-Ray*** main window. This options affects either the **File** or **Printer** output options.

**OS/2 Users:** If you want to debug a Windows application running on the OS/2 desktop, the application must be launched by ***X-Ray*** itself, so that ***X-Ray*** and the Windows application share the same memory space. OS/2 creates a separate instance of Windows for each application that is launched from the OS/2 desktop.