

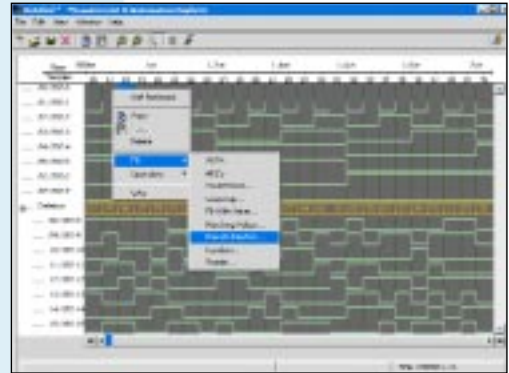
Digital Waveform Editor

NEW

NI Digital Waveform Editor

- Import existing waveforms into LabVIEW from VHDL simulation and spreadsheet tools in Value Change Dump (.VCD) or ASCII formats
- Create new waveforms using built-in fill patterns
- Edit waveforms interactively in the user interface
- Integrates seamlessly with NI digital waveform generator/analyzers (page 435)

Operating Systems
• Windows 2000/NT/XP



Overview

The Digital Waveform Editor is an interactive software tool for creating and editing digital waveforms. You can create new waveforms, or you can import existing test patterns from popular spreadsheet and VHDL simulation packages in ASCII or Value Change Dump (.VCD) formats. You can also view the waveforms graphically and edit them for new devices or new test conditions. The ASCII and VCD import wizards are shown in Figure 1.

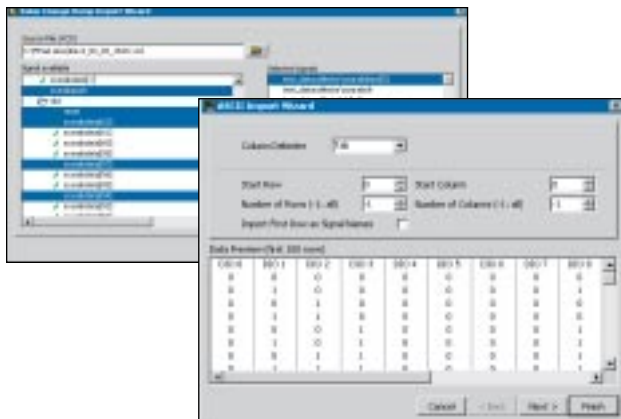


Figure 1. Import existing waveforms with ASCII and VCD import wizards.

Create and Edit Waveforms Interactively

The Digital Waveform Editor also includes several built-in fill patterns to help you easily create your own waveforms or to add additional signals to your existing test patterns.

Fill patterns

- Pseudorandom bit sequence (PRBS)
- Count up/down
- Marching values
- Toggle
- DC value

You can also edit the waveforms by toggling individual bits, setting bus values, and modifying entire selections of data with the rotate, shift, and invert data features.

Import Waveforms into LabVIEW

When you are ready to test your waveforms, you can save and import them into your ADE, such as LabVIEW or LabWindows/CVI. The Digital Waveform Editor integrates seamlessly with the NI PXI-655x digital waveform generator/analyzers (page 435) and is included with the 8 and 64 Mb/channel memory versions of those modules.

Ordering Information

NI Digital Waveform Editor778724-03