

- Easy to use
- Windows™ Based
- 21 Standard Waveforms
- 12 Math Transfer Functions
- 6 Math Operations
- Sequence Programming
- Digital Patterns
- FFT and IFFT Analysis Tools
- Supports .CSV & .PRN, ASCII Data Formats
- Free with purchase of TEGAM 2711A or 2714A
- GPIB or RS-232C Compatible

## Basic Waveform Creation Software for 2711A and 2714A AWGs

### Versatile Waveform Solution

WaveWorks™ Jr. is a fundamental software tool used to create, edit, upload, and download arbitrary waveforms to and from your 2711A or 2714A. It turns your computer screen into a virtual waveform palette. WaveWorks™ Jr., with its basic waveform library and complete set of design and editing tools, provides a wide selection of waveforms and waveform sequences. WaveWorks™ Jr. is a basic version of WaveWorks™ Pro+ and is included with the TEGAM 2711A and 2714A arbitrary waveform generators at no additional cost.

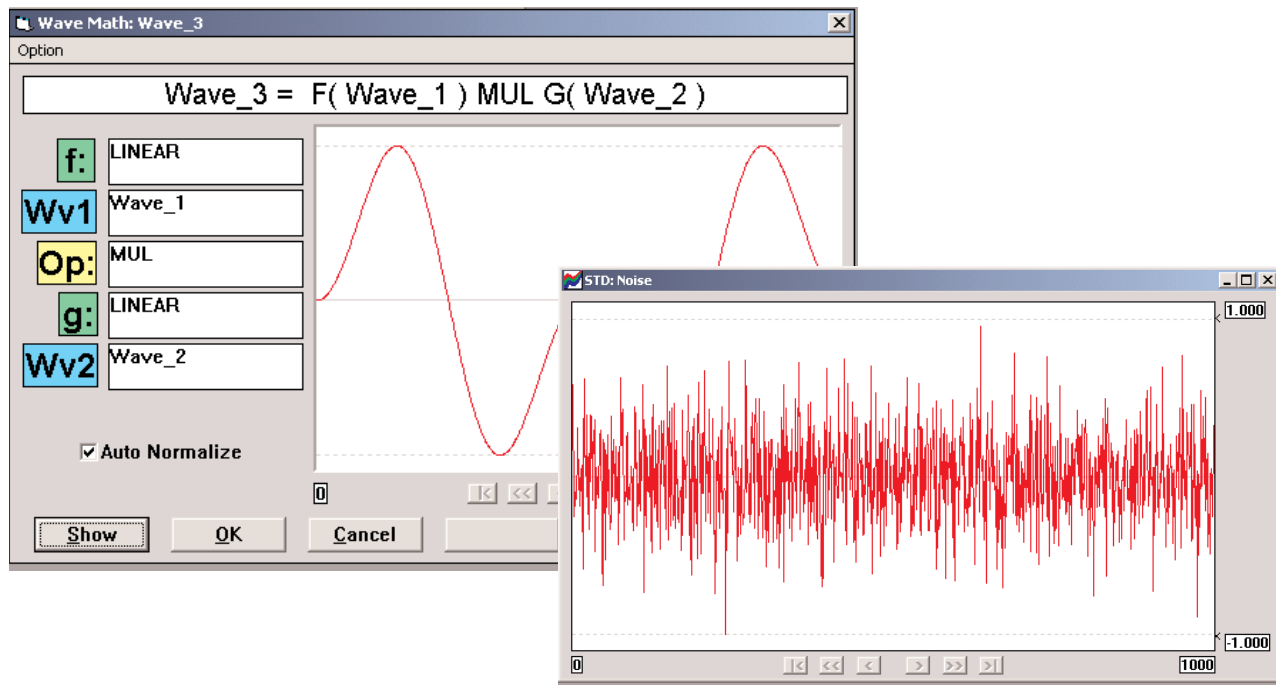
### Comprehensive Waveform Design Tools

In addition to standard waveforms, WaveWorks™ Jr. comes with an array of math operations and transfer functions

designed to meet your basic wave shape requirements. Synthesis in both the time and frequency domain is available by using WaveWorks™ Jr.'s FFT and IFFT routines. A graphical interface is provided for remote operation of your TEGAM 2711A or 2714A arbitrary waveform generator's controls.

### Sequence Programming Capability

One of the features that distinguishes TEGAM arbitrary waveform generators from competitors' models is the programmable sequencer. Sequencing expands an arbitrary waveform generator's memory by linking and looping various waveform segments to produce a continuous waveform output. WaveWorks™ Jr. is used to easily create custom waveform sequences.



## Standard Waveforms

WaveWorks™ Jr. offers 21 standard waveforms with parameter templates to create custom waveforms for your application. The following standard waveform templates are available:

- Sine
- Ramp
- Digital Noise
- AM
- Comb
- BPSK
- Squine
- Exponential
- FM
- Square
- Gaussian
- SinX/X
- PWM
- Triangle
- Pulse 1
- Continuous Sweep
- Analog Noise
- DC
- Pulse 2
- Steps
- BFSK

## Math Transfer Function

12 transfer functions, including integration and differentiation, are available to process waveform data:

- Null
- Square
- Square Root
- Linear
- Absolute
- Log
- Section
- Polynomial
- Mirror
- Rotate
- DC Cut
- Normalize

## Math Operator

Complex waveforms are readily created by use any of the six different math operators:

- Addition
- Subtraction
- Multiplication
- Into
- Add Into
- Cascade

## Waveform Analysis/Synthesis

Frequency Domain: FFT and IFFT

Harmonics: up to 500th harmonic  
Displays: graphic and tabulation  
Entry: tabulation  
Units: Sin-Cos (Ampl), Sin (Ampl-Phase),  
Cos (Ampl-Phase), Sin (dB-Phase),  
Cos (dB-Phase)

Other features: random phase entry

Time Domain: Digital Pattern

Display: graphic  
Edit: mouse

## Computer Requirements:

Operating Systems: Windows 95, 98, XP, and 2000 Operating Systems  
PC Requirements: 486DX or better processor with 4 MB RAM  
Interfaces: Serial - COM Port: RS-232C up to 19.2 kBaud  
GPIB: National Instruments' AT-GPIB card IEEE standard 488.2-1987

## Compatible Waveform Generators:

2711A, 2714A

## Ordering Information P/N 200018



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