

Presonus Firepod



Features

- High-Speed FireWire Network Audio Interface
- Up to 96K Sampling Rate
- Analog bandwidths 48kHz
- 24 bit resolution.
- 8 Discrete Microphone Preamps (+60dB gain) w/ Trim Control
- 8 Analog Mic/Line Inputs, 2 Instrument Inputs
- 8 Analog Line Outputs
- S/PDIF Digital Input and Output, MIDI Input and Output
- Balanced Send / Return for Channels 1 and 2
- Zero Latency Monitoring
- Separate Main and Cue Mix Outputs

This unit has 8 microphone inputs with phantom power. It is therefore ideal for multi channel measurements. WinAudioMLS supports all channels via ASIO

Technical specification from the manufacturer

<http://www.presonus.com/>

Preamp Bandwidth	10Hz to 50kHz
Preamp Input Impedance	1.3k Ohms
Instrument Input Impedance	1M Ohms
Preamp THD	<0.005%
Preamp EIN	-125dB
Preamp Gain	54dB
Preamp Send Output Impedance	51 Ohms
Preamp Return Input Impedance	10K Ohms
Line Trim	+/-20dB
Headphone Output	150mW/Ch 20Hz-20kHz
Phantom Power	48V +/- 2V
Power Supply	Ext line Transformer, Internal Switching
Analog to Digital Converters (ADC)	24-Bit / (44.1, 48, 88.2, 96kHz)
ADC Dynamic Range	107db

Setup

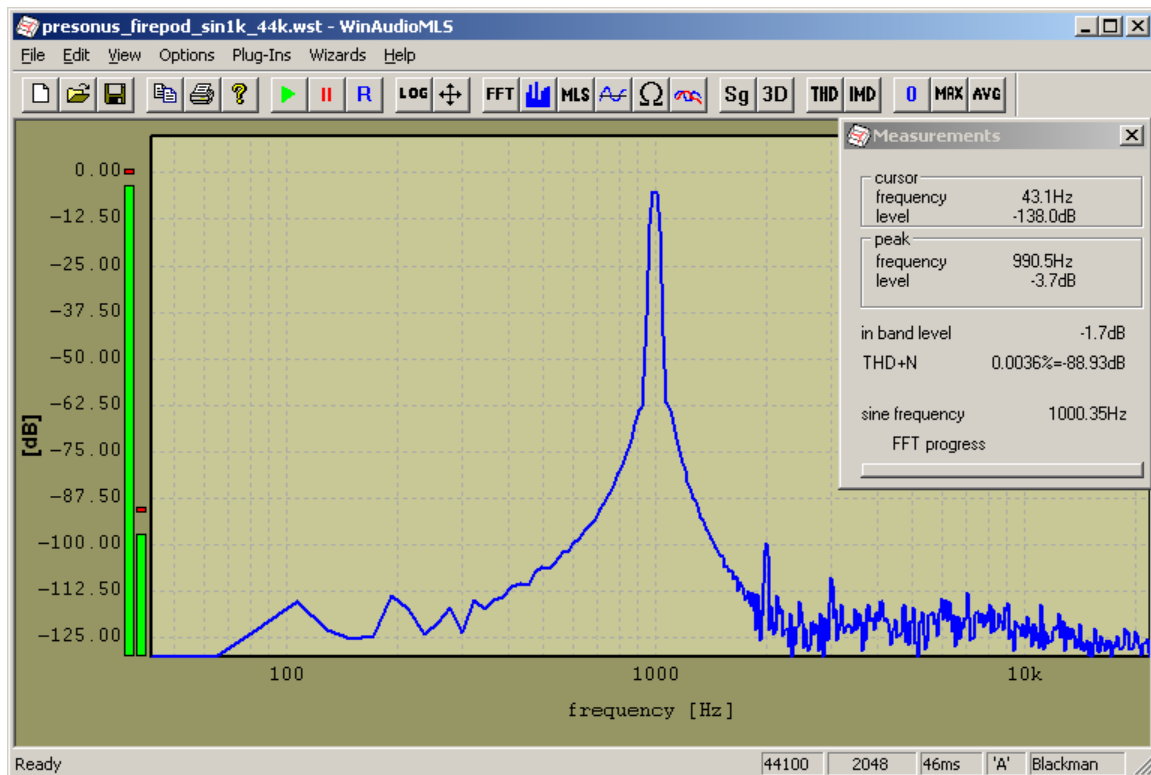
- WinAudioMLS PRO EX
- 8 channel extension
- ASIO 24bit/192kHz plug-in
- 64bit FFT plug-in
- Input and output of channel 1 connected with a balanced cable

Distortion and Noise Analysis

Input and output connected via line inputs.

Input frequency is 1kHz.

Sample rate is 44.1kHz



Multichannel test

8 Microphones connected to the inputs. WinAudioMLS processes all channels simultaneously and shows the live input spectrum of all channels.

