

# EASERA GATEWAY

## AD/DA Converter – Preamp



### The EASERA GATEWAY Data Acquisition System

The EASERA GATEWAY is the perfect companion to modern laptop computers running SDA's EASERA or EASERA PRO powerful audio test and measurement software systems. Developed jointly by SDA and PreSonus, the EASERA GATEWAY has been optimized for Dual Channel-FFT and Time Delay Spectrometry (TDS) measurements that require extremely precise input data. It captures audio signals with precision that matches the capabilities of EASERA's advanced software, converts them into digital signals and transmits them to the

EASERA host computer via FireWire. The EASERA GATEWAY allows EASERA users to take full advantage of all the powerful evaluation and analysis tools offered by EASERA and EASERA PRO with complete confidence in the accuracy and repeatability of their measurements. Its precision performance, synchronous clocks and stable latency also make the EASERA GATEWAY an ideal AD/DA converter - preamp for other measurement systems and applications

#### Seamless Integration Into EASERA

SDA and PreSonus development teams worked closely together to adapt the PreSonus Firebox recording system to the specific requirements of audio test and measurement systems and integrate it into EASERA.

#### Stable Latency

Latency is stable for all supported sample rates; 44.1 kHz, 48 kHz, 88.2 kHz and 96 kHz, a requirement for measurement accuracy and repeatability.

#### Professional Performance

10 Hz to 50 kHz frequency response, <0.005% distortion, -125 dB EIN and 107 dB plus dynamic range.

#### Firewire (IEEE 1394) Audio Interface

Works with both four and six-pin FireWire (IEEE 1394) connectors; may be powered by either the FireWire bus or external power transformer.

#### 24-Bit / 44.1, 48, 88.2, 96 kHz Sample Rates

24-bit analog-to-digital and digital-to-analog converters assure wide-band precision conversion; choice of sample rates provides flexibility.

#### Two Microphone Inputs w/48 V Phantom Power, Two Line Inputs

Low distortion Class A microphone preamps with low noise and wide dynamic range provide recording studio quality audio amplification and phantom power for measurement microphones.

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