



Full Timbral Control, Total Signal Integrity

- Two paths to perfection with Twin Topology™
- Fully parametric stereo EQ with unprecedented sonic purity & integrity
- All triode 300 V vacuum tube signal path or...
- All discrete J-FET solid state signal path
- Both topologies are entirely transformerless, high voltage, pure Class A
- Minimalist design: only one active stage in the audio path
- Four EQ bands: 20 Hz to 20 kHz center frequency, 0.4 to 4.0 Q
- Extremely low noise: -106 dBu
- Constructed for demanding professional applications
- Ultra-Premium components throughout
- Gold relays, connectors, switches, tube sockets
- Silver Teflon power wiring
- Mogami Neglex OFC audio wiring

Options

- Detented, loggable controls
- Musically rich vintage vacuum tubes

Not Quite What You Need?

- STT-1 Origin Twin Topology Recording Channel

Minimalist Signal Path

The minimalist design of NSEQ-2 puts just one single active gain stage in the entire audio signal path. Through a painstaking process that has included hundreds of hours of critical listening, NSEQ-2's active stage has been optimized as input buffer, EQ amplifier, and output driver. Millennia's minimal circuit topology preserves the integrity of the input signal to a degree that's impossible using multiple active stages (up to seven in some designs).

Transformerless Topologies

In Millennia's Twin Topology™ designs, both solid state and tube circuit paths are entirely transformerless. Every transformer has a distinctly audible sonic personality, and occasionally will complement a particular track. But our design goal for NSEQ-2 is to preserve sonic purity while correcting frequency imbalance. Absolute neutrality is a prerequisite, and our unique balanced circuit design is the most direct route to sonic transparency. With no audio transformers, NSEQ-2 realizes the musicality of pure Class A gain and

optical compression without imposing coloration, character or "vibe."

Creative Control

Whether you choose the euphonic space created by triode tubes, or the absolute accuracy delivered by discrete solid state circuitry, NSEQ-2 is designed for precise sonic adjustments along with limitless "shades of clean." Four bands of mastering-grade fully parametric equalization make it easy to add the correct amount of air or punch, or clean up any "mud" in a track or mix. By the way, NSEQ-2 truly is the principal EQ in many top mastering studios.

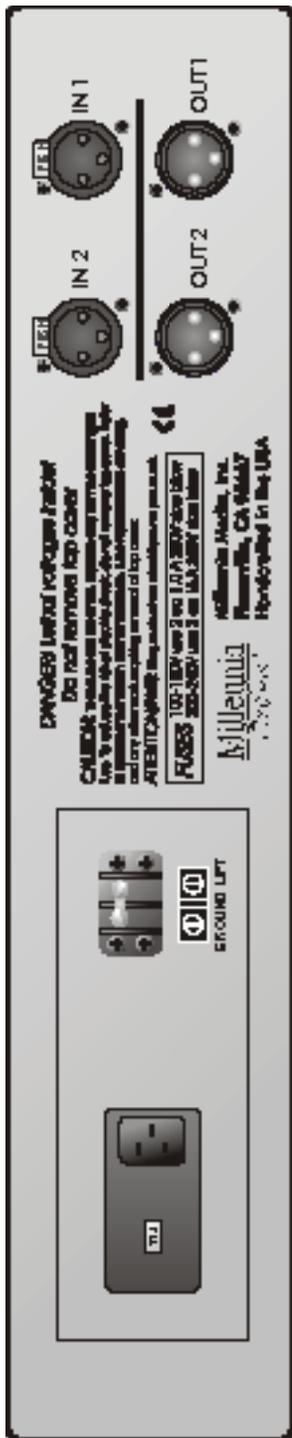
Digital Delivery Demands Total Clarity

Data compression algorithms (MPG, AC3, DTS etc.) are unable to distinguish signal from noise, so preserving absolute signal integrity through the recording and production process is critical to communicating the artist's intention and individuality. The recording and mastering process entails amplifying the original source by as much as 1000:1. Coloration or distortion

become part of the signal: once lost, sonic information can never be recovered. Millennia's unique circuit designs amplify and adjust the original input signal with an absolute minimum of alteration, applying tonal colors so natural and free of artifacts that they seem to become part of the source itself.

You Can Pay More, You Can't Spend Less

Initial purchase price is never a design target at Millennia Media. We aim to maximize return on investment and minimize lifetime cost. Developed in a rigorously empirical process whose goal is absolute accuracy and sonic realism, NSEQ-2 is accurate enough for the most critical recordings – the choice of recording and mastering engineers at the top of the profession. This is a tool you can build a career around, one that will remain essential no matter how far your sonic explorations take you. Acquiring a NSEQ-2 is a step off the upgrade treadmill: a step that will ultimately save you much more than your initial investment.



NSEQ-2 Specifications	
"Q" Range	Q = 0.4 to 4.0 Adjustable on middle ranges Q = 1.0 Fixed on low & high ranges
Maximum Output Level	> + 28 dBu (VT)
Maximum Input Level (EQ Flat)	+ 28 dBu (VT)
Maximum Input Level (EQ Full Boost)	+ 17 dBu (VT)
Frequency Response +0 / -3 dB	sub 2 Hz to beyond 300 kHz
Frequency Response, Stereo Deviation	< .15 dB
Noise (All EQ Stages In, Controls Flat)	-106 dBu (SS), -94 dBu (VT)
Maximum Boost (21 Step Detented)	+20 dB (+10 dB with range switch in)
Maximum Cut (21 Step Detented)	-20 dB (-10 dB with range switch in)
EQ Frequencies	
Low Range Switch (Centers - Peak/Shelf Selectable):	20, 34, 56, 100, 180, 270
Low Mid Sweep:	20 Hz - 220 Hz or 200 Hz - 2.2 kHz. 10X Range switch selectable.
Hi Mid Sweep:	250 Hz - 2.5 kHz or 2.5 kHz - 25 kHz. 10X Range switch selectable.
High Range Switch (Centers - Peak/Shelf Selectable)	4.8 k, 5.8 k, 8.0 k, 10 k, 16 k, 21 k
THD + Noise, 20 Hz - 30 kHz, All EQ Bands Switched In	< .009%, typ < .003 % (VT or SS)
Common Mode Rejection Ratio (With Balanced Option)	> 60 dB, Typ > 80 dB
Slew Rate, +27 dBu Out	> 50 volts per microsecond
Main Hard-wire Bypass Switch For Each Channel?	Yes
Peak/Shelf Selection On High & Low Range?	Yes
Hard-wire Bypass Switching On Individual EQ Bands?	Yes
Input Impedance	25 kilohms
Minimum Output Load Impedance	1 kilohm (VT), 150 ohms (SS)
Recommended Load	> 3 kilohms (VT)
Output Impedance	< 300 ohms (VT), < 5 ohms (SS)
Twin Topology EQ Amplifiers	Switch In: Pure Class-A Discrete J-FETs Switch Out: Pure Class-A Triode Tubes
Power Consumption,	40 watts maximum
Power Requirements	Selectable: 100-120, 200-240 V ac, 50/60 Hz
Dimensions/Shipping Weight	19"W x 3.5"H x 12.5", 26 lbs.



Millennia Music & Media Systems
 Placerville California USA
 T 530-647-0750 F 530-647-9921
<http://www.mil-media.com>
 sales@mil-media.com

Hand made in the USA.
 One year limited warranty.
 Specifications and delivery subject to
 change without notice. Trademarks are
 property of their respective holders.
 ©2006 Millennium Media, Inc.

"Since adding the NSEQ-2 to our mastering rack, about 90% of our customers have preferred it against all other parametric equalizers in our mastering chain."

Denny Purcell, Georgetown Masters, Nashville

"The NSEQ-2 joins the ranks of the world's premiere equalizers."

Bob Ludwig, Gateway Mastering

"IT'S SIMPLY FANTASTIC! We in studio are astonished about the transparency of the sound comes out! We have a xxxx in one room with xxxx and in the other room we have xxxx xxx, your EQ is second to none!"

Fabrizio De Carolis, Reference Mastering Studios, Rome, Italy

"Using the Millennia NSEQ-2 has made me completely re-think how I use EQ. Where I used to avoid using EQ at all, the NSEQ-2 has been employed to put just the right touch in a recording. The NSEQ-2's transparency and musicality is stunning! I don't know of an EQ, digital or analog, that could approach its qualities."

Michael Bishop, Telarc International

"The most transparent equalizer I've heard to date."

Tom Jung, DMP Records

"...the transparency of the signal path is remarkable, and the smooth musicality of the EQ bands as they are adjusted is something special... both [vacuum tube and solid state topologies] are astonishingly clean."

Richard Foister, Studio Sound Magazine, UK

"...this is an excellent machine capable of very fine results irrespective of the of the technology in the amplification. Although, like most sane people, I would normally find it difficult to enthuse about a simple equalizer, this really is something very special and I have only come across one other similar device which I found as audibly exciting. I would expect [the NSEQ-2] to become a very common entry in the equipment inventory of most mastering houses and top-end studios over here once the word gets out."

Hugh Robjohns, Sound On Sound Magazine, UK

"I believe the NSEQ is, audibly, the most perfect analog equalizer I have ever had the pleasure to use."

Dr. Fred Bashour, Pro Audio Review

"The bottom line: For mission critical EQ applications where transparency is a paramount necessity, the NSEQ-2 is king. Prepare to be thrilled."

Michael Cooper, Mix Magazine, Feature Review