FUNCTION
Lencore’s Spectra Gold provides up to 12,000 square feet of coverage. This single, 1 RU rack mounted solution replaces the bulky headend equipment previously associated with sound masking systems and incorporates eight (8) channels that can be digitally controlled for zone management. This stand-alone system incorporates amplifiers, equalizers, zone modification and total control all in one unit. The system maintains the easy to use full one-third octave band equalizer that can be adjusted to either individual zones or all zones and provides exceptional fine-tuning capabilities.

Spectra Gold provides:
• Multiple, random sound masking sources that produce a high quality, exceptionally comfortable sound to create speech privacy
• Independent equalizers for unprecedented tuning where every channel of the system has a separate and independent 1/3rd octave band equalizer or parametric equalizer
• Sound frequencies and a sound contour that can be adjusted and set to any point on the acoustical curve, from 20 Hz to 20 kHz, allowing fine-tuning the entire spectrum of sound possible
• A single device for operation and maintenance
• Ability to play background music

FEATURES & CAPABILITIES
+ Front Panel push buttons for user input and setup.
+ Integrated LCD screen for displaying information.
+ Procoessor - Used to control the networked system (offers exceptional features, solid construction, plus the flexibility to monitor and control the sound masking from virtually anywhere).
+ The Operating Platform (OP) checks during a diagnostic test for system performance, including the operation of the network, program, memory, power, and characteristics of sound masking.
+ 8 channels on the OP function independently, and provide 8 non-coherent random sound sources.
SPECTRA GOLD
MODEL A1U

ENCLOSURE
+ Powder coated aluminum
+ Dimensions: 1RU height 17.25" L x 11.55" D x 1.75" H
+ Weight: 5lbs

ELECTRICAL SPECIFICATIONS
+ Input voltage – 100-240 VAC, 50-60Hz, IEC power cord included.

INPUTS
+ Power input
+ UPS power input
+ Network connection
+ Music via RCA Connector

WIRING AND CABLE CONNECTORS
+ Cat5e for speaker connections

SOUND GENERATOR
+ Octave bands – 25Hz to 20,000Hz
+ Parametric bands – 20Hz to 20,000Hz
+ Voltage – 100-240 VAC
+ Contour Adjustments
+ Spectrum Adjustment – Meets Acoustical Preferred Curve

SPECTRUM SHAPING
+ Units are able to be shaped with a full 1/3 band octave equalizer (30 bands)
+ Units are able to be shaped with a parametric equalizer
+ Equalizers cover the full spectrum to manipulate the entire spectrum from 20Hz to 20kHz

WIRE REQUIREMENTS
+ Power – IEC Cable (included)
+ Audio – Cat 5e cable or equivalent, 4 twisted pair, with standard RJ45 connectors

PROGRAM MEMORY
+ Non-volatile for one year minimum, without power

REMOTE INFRA-RED VOLUME/ CONTOUR CONTROL
+ Remote volume and contour control adjustments for masking. Point the remote to a wall mounted, infrared receiver panel to make immediate adjustments

OUTPUT ADJUSTMENTS
+ 1/3 octave band EQ for entire spectrum (25Hz-20kHz) Meets ANSI specification for bands
+ Parametric EQ for entire spectrum (20Hz-20kHz)
+ Volume control for individual channels or groups/zones
+ Contour control for individual channels or groups/zones
+ EQ control for individual OP’s
+ Programming of groups and zones

WIRE REQUIREMENTS
+ Power – IEC Cable (included)
+ Audio – Cat 5e cable or equivalent, 4 twisted pair, with standard RJ45 connectors