

# SPECTRA GOLD

MODEL A1U

## 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.
- + Processor - 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.

# PRODUCT SHEET & SPECIFICATIONS

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### 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

### 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

### 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