

PRODUCT SHEET & SPECIFICATIONS

GOLD

MODEL A1U



FUNCTION

Lencore's 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.

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.
- + System Manager - pre-installed on the unit. Used to control the networked system with exceptional features plus the flexibility to monitor and control the system from virtually anywhere.
- + 8 channels on the OP function independently and provide 8 non-coherent random sound sources.
- + Quiet operation - fanless design.

PRODUCT SHEET & SPECIFICATIONS

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.
- + 40W max
- + 136 BTU max

INPUTS

- + Power input
- + Network connection RJ45
- + Audio via RCA Connectors
- + IR keypad
- + Masking mute

OUTPUTS

- + 8 speaker outputs with RJ45 connectors

SOUND GENERATOR

- + Octave bands – 25Hz to 20,000Hz
- + 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
- + 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)
- + Equalizers cover the full spectrum to manipulate the entire spectrum from 25Hz to 20kHz

WIRE REQUIREMENTS

- + Power – IEC Cable (included)
- + Audio - standard RCA
- + Speakers – Cat 5e cable or equivalent, 4 twisted pair, with standard RJ45 connectors
- + 16 AWG, 2-conductor for masking mute

PROGRAM MEMORY

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

REMOTE INFRA-RED VOLUME/ CONTOUR CONTROL (Optional)

- + Remote volume and contour control adjustments for sound masking.
- + Remote volume control for audio.
- + Wall mounted IR receiver.
- + Wall mounted IR and keypad receiver.

SYSTEM MANAGER SPECS

- + 255 masking zones capable
- + 255 audio zones capable
- + 30 band EQ for sound masking (25 - 20kHz)
- + 10 band EQ for audio (31 - 16 kHz)
- + Can EQ individual channels for sound masking
- + Can EQ individual OPs for audio

COMPLIANCE

- + UL 62368-1 (USA and Canada)