

# Lencore

THE LEADING MANUFACTURER OF SOUND MASKING SYSTEMS.

A GREAT SOUND MAKES NO NOISE®

## LENCORE SPECTRA® SOUND MASKING SYSTEM

### Remote Central Volume Control Unit - Model LM6-RCVC



#### Typical Applications For This Series

For use when remote wall access to the system adjustments is required. All Lencore Sound Masking Systems are custom designed to meet local codes and to fit a variety of site conditions and applications in:

- Open Plan
- Closed Plan
- Retrofit
- New Construction

The Lencore Spectra® sound masking LM6-RCVC unit operates as a central volume control from which global volume adjustments can be made remotely for up to 150 masking units and covering up to 33,000 square feet system-wide. The unit consists of an individual self-contained noise generator, audio amplifier, and loudspeaker in a damped aluminum enclosure, powered by 16/18 volts AC and is capable of driving one secondary model in addition to the aforementioned.

The remote central volume control unit, LM6-RCVC, allows adjustment to the volume of masking sound remotely. This model uses a remote rotating switch accompanied by a wall-mountable plate and is adjusted by rotating the dial from 0 to 10. Performance characteristics of the unit remain identical to that of a standard main unit model LM6.

Each remote central volume control unit is a main unit, is solid state and consists of a CMOS/MSI digital random sequence noise generator, electronic amplifier and filter for active spectrum shaping and is equipped with a 10-step volume control, an additional continuous volume control, and the central volume remote adjustment control (as previously described above). Range of sound level: 41-86 dBA (measured at 1.5 feet from speaker). Additionally contained is a continuous and completely separate volume control for paging/music.

The masking system can be uniquely adjusted to suit a variety of standard and non-standard ceiling conditions by making adjustments to the amplitude and spectrum shapes. This adjustment can be made in increments of +/- ½ dB. In addition, the system has the adjustment capability to provide the most unobtrusive sound while obtaining the maximum speech privacy that meets ASTM E-1130 standards for speech privacy and sound uniformity. The spectrum shape adjustment ranges from 1 dB at 125 Hz to 20 dB at 8,000 Hz (typical).

Lencore's Spectra® system can incorporate a high-quality paging and music system to handle all call paging, zoned paging, voice over IP, paging through the phone system, security and life safety paging.

Lencore's Spectra® can work in conjunction with Lencore's SPEC™ software program which serves as a diagnostic and planning tool for sound masking and paging systems to qualify and analyze the acoustical performance levels of your space, enabling a fact-based approach to predicting spatial and temporal uniformity of sound for sound masking.

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## SPECIFICATIONS

#### Enclosure:

- Aluminum Housing
- Galvanized Perforated Grill
- Lightweight Mounting Chain
- Height: 6" LM6-RCVC
- Width: 6" LM6-RCVC
- Weight: 3 lbs. LM6-RCVC

#### Loudspeaker:

- 5-inch-wide dispersion
- Power Rating: 10 watts RMS
- Frequency Response: 50-12,000 Hz
- Impedance: 16 Ohms
- Resonance: 82 Hz
- Magnet Weight: 10 oz.
- Magnet Structure Weight: 26 oz.
- Cone: Formed Fiber
- Cone Suspension: High Compliance Foam
- Voice Coil: 1-inch diameter
- Voice Coil Form: Anodized Aluminum

#### General Specifications:

- Paging Input: 25v RMS at 12.5mW (50kOhms)
- Power Requirement: 16v/18v AC, 60 Hz at 50mA (typical no page)
- With Paging: Up to 200mA
- Output Adjustment: 15dB step-volume control
- Additional continuous control (56-86 dBA total), plus a central volume control that can control up to 50 masters for an additional attenuation of 15dB
- System can be tuned to +/- ½ dB

#### Wire Requirement:

- 18 gauge, plenum rated non-shielded 2, 4 or 6 conductor depending on application

#### Other Systems Also Available

Spectra i.Net™ (Networked) Spectra®, CrossNetOne™ (Networked), CrosswaysOne™

In-plenum and direct field  
all available with paging/music.