

Lencore

THE LEADING MANUFACTURER OF SOUND MASKING AND ACOUSTICAL PANEL SOLUTIONS.

A GREAT SOUND MAKES NO NOISE®

LENCORE CROSSWAYS™ SOUND MASKING SYSTEM

**Direct Field Speaker – Small Speaker Specifications – Overall diameter 4.5”
Model BP2 – Plug and Play**



In certain applications and site conditions, a direct field speaker may be necessary. Lencore provides this option with all of its sound masking systems. Crossways™ is a great option for small installations, retail applications, doctor offices, waiting rooms, pharmacy counters, or when site conditions call for this type of system.

When a direct field speaker or system is required due to site conditions or application need, the Lencore Crossways™ system provides the highest level of sound quality and adjustability. Crossways™ offers a refreshing commercial grade direct field system using a higher quality construction and sound quality than competitive systems.

Tunable by hand-held remote and available in small and larger speaker sizes. Crossways™ offers wider sound dispersion, and better sound uniformity and greater sound quality.

Multiple random sound masking sources, coupled with Lencore's E-Sound™ technology provide capabilities for:

- Masking Adjustments: 96 in ½ dB steps
- Contour Adjustments: 29 steps

Installation is simplified using plug and play Cat 5e cable with standard RJ12 connections. The Crossways™ speaker is equipped with dog ear screw adjustments and a locator pin to insure a smooth installation in ceiling tile or gypsum board.

TECHNICAL SPECIFICATIONS

Speaker Enclosure:

Speaker Body: ABS Plastic
Grill: Metal screen, white with perforated 3.5" grill
Overall diameter - 4.5"

Speaker Coverage: 100 sq. ft. (assuming a 10' speaker separation)

Loudspeaker:

2-inch wide dispersion
Power Rating: 3 watts
Frequency Response: 250 Hz to 20 kHz
SPL for Masking Output: 30-78dBA
Impedance: 32 Ohms
Resonant Frequency in Enclosure: 247 Hz
Resonant Frequency out of Enclosure: 250 Hz ± 20%
Weight: 112g (4 oz)
Cone: Paper Cone w/Foam Edge

General Specifications:

Paging Input: via BP
Power Requirement: Powered by BP
Output Adjustment: N/A

Speaker Wire Requirements:

All wire must be plenum rated and UL listed.
Speakers use Cat 5e, 3 twisted pair and RJ12 connectors.
Crossover wire: Pin 1 to Pin 6, Pin 2 to Pin 5, etc.

Other System Wire Requirements:

16 gauge, plenum rated, stranded, 2-conductor wire (for power supply to BP).

System Power Supply: 48VDC, 150W for 192 speakers.

Installation:

Assembly to fit into a round hole, cut into ceiling tile or gypsum.
Three mounting locks spaced equidistant apart have secure screws for mounting.

Other Systems Also Available

Spectra i.Net™ (Networked) Spectra® CrossNet™ (Networked),
Crossways™

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