



i.Net[®]

ENGINEERED SYSTEM SOLUTIONS FOR
SOUND MASKING, PAGING & AUDIO



The Intelligent Network

Lencore is committed to providing solutions, products and services that transform environments and change people's lives by creating more privacy, greater comfort and improved safety. The Lencore **i.Net** system is designed to promote collaboration and encourage creativity while delivering acoustical comfort and emergency communication solutions.

The leading choice of innovators and companies throughout the world, **i.Net's** intelligent network is the most sophisticated sound masking and paging system in the industry. Our superior sound quality, unmatched speaker design and built-in sound frequency controls is unrivaled by market competitors. **i.Net** also meets the UL 2572 Standard for mass notification systems. This standard allows the Lencore system to interface with a Fire Alarm Control Panel and conforms with the National Fire Protection Association Code 72: Fire Alarm and Signaling.

With the most advanced technology and by offering more choices with proven results, **i.Net®** is in the position to meet the challenges and demands that impact your facility.

About Our Engineered System Solutions

The i.Net Engineered System Solution uniquely addresses the proper requirements for sound masking, paging and audio for today's facilities. Each system successfully masks intrusive speech, creates privacy and delivers intelligible paging and audio solutions to ensure intended audiences are well informed and comfortable in their environments.

The system offers virtually limitless zoning capabilities, plug and play speaker options as well as a revolutionary intuitive Graphic User Interface (GUI) for central system controls. The i.Net System is also capable of local, remote and Infrared (IR) controls.

Floor-to-floor, building-to-building, across the campus or around the world, i.Net provides innovative and flexible solutions to enhance the workplace environment. Whether you are an established industry leader or an innovative organization poised for growth, we believe it is our responsibility to help you create a comfortable, productive and safe work environment.

i.Net® Features

- + Meets the UL2572 Standard for Mass Notification, mutes masking in the event of a non-fire emergency.
- + Superior sound quality and uniformity that provides speech privacy and comfort
- + Single point of control for complete system access, viewing and reporting
- + Control options via PC, touch pad, remote control and tablet applications
- + Infrared audio channel controls are used in-plenum, on the wall or with a keypad
- + Open platform system design that easily integrates with building systems
- + Adaptive equalization
- + Zone control with overlap capabilities

i.Net® Advantages

- + Unrivaled sound quality and speaker design
- + Meets UL 2572 Standard
- + Requires no proprietary software or cabling
- + Local, global and prioritized paging
- + Ease of use, installation and tuning
- + Simple integration with Crestron, AMX, BACnet, Cisco and other control systems
- + UL Listed for air-handling spaces and use in the plenum
- + Detailed diagnostics & reporting
- + 10 Year Full Warranty
- + Meets ACMU for comfort

About NFPA72 & UL2572

The National Fire Protection Association (NFPA) is the governing code body devoted to eliminating death, injury, property and economic loss due to fire, electrical and related hazards. One of the codes, NFPA 72: Fire Alarm and Signaling, specifically addresses mass notification systems. Highlights from NFPA 72 include the establishment of combination systems, equipment performance, supervision and interconnectivity of systems, shut down of ambient noise, and emergency communications requirements.

Underwriters Laboratories (UL) is a safety consulting and certification company focused on the establishment of safety standards for electrical devices and components. Since NFPA 72 Chapter 24 permits the interconnection of Life Safety equipment with other non-performance based systems, UL2572 provides requirements as well as guidance on how this can be achieved without impacting the integrity of a certified Life Safety system.

The i.Net Rack Unit is built to interface with a Fire Alarm Control Panel (FACP) in order to reinforce the fire alarm annunciation as well as shut down the sound masking as per the NFPA72 code requirement.

Scalable. Intuitive. Intelligent.

WITH LENCORE, IT'S ALL IN THE BOX

For ease of use and installation, Lencore's **i.Net** is offered as a completely packaged solution. Shipped in a rack mount version that meets the UL 2572 standard, the system's entire headend equipment is expertly assembled, pre-wired and ready for on-site installation.



Sound Masking Headend

- Achieves the UL 2572 standard for mass notification in order to connect to a fire alarm control panel and shut down in the event of an emergency.
- With 1 IP Address, the system's web server controls the masking and provides flexibility to access the system, monitor settings, manage zones and make other changes from virtually anywhere – on-site, off-site, or around the world.
- The standard for sound masking

Key Criteria: Privacy & Comfort

A quality sound masking system must simultaneously provide both privacy and comfort throughout any facility. For privacy, a system must meet a variety of industry tests, parameters and measurements to ensure speech unintelligibility. Measurements for comfort, previously considered subjective, are now defined and measured by the following five qualities: audio distribution range, uniformity of sound throughout a space, wrap-around of generated sound, target decibel (dB) level and the achieved privacy measurements. Not only does **i.Net** let you customize an environment like no other available system, it outperforms competitive systems on every point that matter for speech privacy and comfort.

The primary sound source of the i.Net system is the Quad OP (Operating Platform) - a 1RU rack mount unit that offers 4 OP's in 1, that produces, equalizes and distributes the sound.



Quad OP

- 4 i.Net OP's in 1U rack.
- 128 speakers per unit.
- Capability to daisy chain multiple units.
- Front panel LCD and switches for adjusting the system and diagnostic information.

Speakers

Lencore offers the highest quality speakers in the sound masking industry with the widest dispersion that perfectly reproduces the finest masking sound. Our superior sound quality outperforms competitive systems to deliver more privacy, greater comfort and improved safety.

i.Net offers in-plenum and direct fired speakers to suit all ceiling applications and types. Ethernet-jack style connectors are integrated into each speaker and OP, eliminating the need to strip and connect wires, reducing installation time.

i.Net® Speaker options include:

	
Upward & Downward Firing	Ceiling Plate
	
Tangent	Decorative
	
Decorative Pendant	Solid Drive

It's All About Control

Digital, APP Based, Remote & IR System Access

i.Net can be controlled and adjusted in a variety of ways to offer clients multiple access, tuning and system configuration options. Real time system controls are made on-site or off-site and are also available digitally through a web interface. In addition, other building control systems can be integrated. The system also offers adjustable control settings at any IR port or wall plate location.

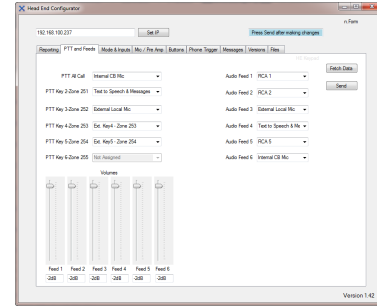
USER INTERFACE

The zoning and programming flexibility of the **i.Net** System is unprecedented. To simplify control, system setting adjustments, tuning and reporting can all be made through Lencore's user interface.

NO COSTLY REWIRING

Since each sound masking channel can be digitally controlled for sound and zone management, there is no need for rewiring. Zones can be reassigned without the need to go back into the ceiling.

On-site, off-site or around the world, i.Net® offers unprecedented system access, zoning and control while providing superior sound quality for sound masking, paging and audio systems.



i.Net Configurator

Designed with acoustical & audio consultants in mind, yet simple enough for end users to manage and control, the **i.Net** Configurator allows users to access system settings, information and reporting.

Use the Configurator to:

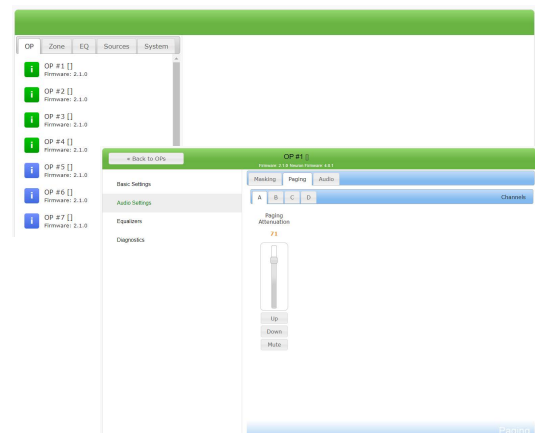
- + Provide an OP or zone centric view of the entire system
- + Drill down to a single device, channel, zone, group or setting
- + View and maintain global settings
- + Edit any setting manually or remotely
- + Create zones, zone overlaps and groups
- + Label, name and rename all configurations
- + Export information to a spreadsheet for reporting and diagnostics

Dashboard system access for real time adjustments through the System Manager

The System Manager is included with every **i.Net** System and is based on an open-architecture software platform. This program monitors and provides instant access to adjust all controls. Our user friendly interface is housed on the **i.Net's** web server and can be accessed remotely through a password protected portal or through a direct connection at the controller.

Use the System Manager to:

- + Change group settings for sound masking, paging and audio
- + Adjust a variety of volume, control and equalization settings within both channels and zones for masking, paging and audio
- + Reset system to factory set command or last saved
- + Run diagnostics that include critical features such as a self-check status and a tone to test and locate speakers
- + Control the system wirelessly





Features of the i.Net® System

i.Net® System Meets
UL 2572 / ULC S576 Standard

Lencore manufactures system solutions for Sound Masking, Paging and Audio with applications in a variety of industries, delivering speech privacy and productivity, with exceptional comfort.

Founded in 1990, Lencore has installed sound masking, paging and audio systems for thousands of companies in over hundreds of millions of square feet across the United States and around the world.

With the most advanced technology and by offering more choices with proven results, Lencore is in the position to meet the challenges and demands that affect your facility.

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COMFORT. PRIVACY. PRODUCTIVITY.