

# Lencore

THE LEADING MANUFACTURER OF SOUND MASKING SYSTEMS.

A GREAT SOUND MAKES NO NOISE®

## CROSSNET-ONE™ SOUND MASKING SYSTEM

### i.LON® 100 Internet Server (by Echelon) Specifications – Model #CN-BP13

When a networked direct field speaker or system is required, the Lencore CrossNetOne™ system provides the highest level of sound quality and adjustability and offers the ability for network control. Through the system's managing software, zones can be created and modified for masking and paging. On-going changes and additions to zones can all be handled through the network interface without the need to rewire the system.

Random sound masking source, coupled with Lencore's E-Sound™ technology provide capabilities for:

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

Volume and contour adjustments can be made via the network simply and easily and uploaded to the system for immediate results. The system is also tunable by hand-held remote. Lencore is the only sound masking company that can offer both 3.5" and 6" speakers that offer the widest dispersion and best sound quality for direct field systems.

The Lencore CrossNetOne™ Sound Masking System uses the i.LON® 100 server as its head end equipment to control the system. The i.LON® 100 offers exceptional features, solid construction, plus the flexibility to monitor and control the sound masking from anywhere.

Through the i.LON® 100 you can access the sound masking system from a local network, a virtual private network, through the internet. Also i.LON® 100 can be hooked up with a notebook and accessed directly.

With its authentication features it ensures that only authorized users can access the network.

The i.LON® 100 can serve as a gateway for a variety of device types, including LonWorks®. It provides universal connectivity for the devices attached to it, making their data available to corporate IP networks and the Internet, and providing local device monitoring and control via built-in scheduling, alarming, and data-logging applications. With it, the sound masking system can be connected, remotely configured, monitored, and controlled from across the room, or across the globe.

### **Diagnostics & Reporting:**

The system is capable of performing a complete diagnostics of its entire functions including diagnostics of the network, nodes, dsp's, memory, circuitry, amplifiers and power.

The system is also capable of reporting entire settings for each zone for masking, paging and music indicating volume, contour (1/3<sup>rd</sup> band octave equalization, parametric equalization), diagnostics, and groupings.

### **Security:**

The central control is able to be accessed via an authorized computer access point with the use of a password.

The following are trademarks of Echelon Corporation: i.Lon 100®, LonTalk®, LonWorks®



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i.LON® 100 Internet Server (by Echelon®) Specifications – Model #CN-BP13 (page 2)

### Programmable Audio-Level Control Unit (Timer):

Standard applications include scheduling, and analog functions. The scheduling application permits events and exceptions to be initiated based on time and date schedules configured by the user.

## TECHNICAL SPECIFICATIONS

- Programmable attenuation range: -24 to +24dB (48dB)
- Slide control attenuation range: -24 to +24dB (48dB)
- Minutes per dB change: User programmable
- Acclimation attenuation range: -24 to +24dB
- Acclimate days per dB change: 1 to 7 days
- Programmable events: 24 events per day for each zone.
- 2 opto-isolated digital inputs.
- 2 high-voltage, high-current relay outputs.
- Auto-polarity 10/100Base T Ethernet interface.
- Supports connection to an external wireless GSM or GPRS modem.
- Supports LonWorks® twisted pair (TP/FT-10) and power line (PL-20) channels.

Masking/Paging Units are UL Listed  
for use in air handling spaces

### Other Systems Also Available

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

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