

# i.Net

# MUSIC PAGE INTERFACE RACK SHELF (MPI)

MODEL G623505



*\*Unit comes in a rack shelf*

## FUNCTION

Lencore's Music Page Interface (MPI) replaces all the bulky headend equipment that is associated with music and paging systems. With the MPI there is no need for additional cable homeruns, amplifiers, separate equalizers, special switching equipment or matching vendors for compatible product interfaces. The MPI's technology is so sophisticated that it can allow zone additions, modifications, deletions and other changes to the paging system on the fly, without rewiring. This eliminates the need for running multiple home runs back to the electrical closet or through building risers to create separate or additional zones. The MPI allows the ability to use up to 99 individual zones for paging using standard DTMF tones through a POTS telephone line. The system is also programmed for all-call and emergency broadcast paging. The system's easy to use full one octave band equalizer can be adjusted to either individual zones or all zones and provides exceptional fine tuning capabilities. When the MPI is connected to the i.Net's web appliance (i.LON<sup>®</sup>), programming can be set for up to 1.5 million square feet of space through a single device. The i.Net<sup>®</sup> MPI incorporates Point Z<sup>™</sup> technology allowing each individual speaker channel to carry up to 10 programmable zones. Paging has never been so versatile & clean. The creation, modification, addition and deletion of zones or groups for paging and masking can be easily controlled through the i.LON's web browser using the included Lencore Sound Manager. No proprietary software needs to be installed on the client's side, eliminating security and migration issues. i.Net is an open platform system. In addition, volume and equalizer settings for paging and music can be programmed through the System Manager or i.Net Reports offering tremendous adjustment and control capabilities with unprecedented flexibility.

**Adaptive Equalization:** The unmatched capabilities and superior paging quality of Lencore's system automatically compensates and readjusts for frequency line loss while ensuring a quality signal that is continuously and uniformly broadcast and distributed throughout the entire system. Essentially this means that throughout the miles of audio wire, line loss will be virtually negligible. This results in a crystal clear page whenever you need it, wherever you are in your facility.

The MPI unit typically installs in the Telephone or IT closet. The MPI accepts a POTS line for all-call and zoned telephone paging. In addition, there are left and right audio inputs for music, all-call page, microphone input and testing input.

## PRODUCT SHEET & SPECIFICATIONS

# i.Net MUSIC PAGE INTERFACE RACK SHELF (MPI)

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### PAGING VOLUME ADJUSTMENTS

- + Individual channels
- + Attenuation range – 48 dB, in 1 dB steps, plus a mute setting

### PAGING ZONES

- + Individual channel, groups or global paging zones
- Point Z™ Technology (Each channel can carry 10 programmable zones)

### PAGE TEST SETTINGS

- + Page On/Off Button - starts and stops all call page  
Used for sending continuous audio over inputs for testing
- + Service Button - sends test audio over page lines

### LED GUIDES FOR VOLTAGE INPUTS

On front of MPI unit there are two potentiometer to adjust audio inputs for both paging and music. The LED displays on the front of the unit provides visual confirmation that the audio signal is in range.

- + LED's 1 (Page) -
  - Yellow light: Audio input too low
  - Blue Light: Good
  - Red Light: Hot
- + LED's 2 (Music) -
  - Yellow light: Audio input too low
  - Blue Light: Good
  - Red Light: Input too high

### E.B./MUSIC VOLUME ADJUSTMENTS

- Independent channels
- Attenuation range – 48 dB, in 1 dB steps, plus a mute setting

### EMERGENCY BROADCAST/MUSIC ZONES

- + Individual channel, groups or global music zones

### PAGING/E.B./MUSIC OCTAVE EQUALIZER

- + One page/music equalizer for all channels
- + 10 bands, 31 Hz to 16 kHz, each user adjustable by  $\pm 5$  dB in 1 dB steps

### DIMENSIONS

- + 2RU
- + 19"L X 15"D

### ELECTRICAL SPECIFICATIONS

- + Input voltage – 100-240 VAC, 50/60 Hz
- + Power usage – 2.5 Watts
- + On/Off slide switch

### TELEPHONE PAGE USAGE

- + Lift telephone receiver
- + Dial extension of MPI
- + Wait for short dial tone
- + Dial two digit paging zone number and the # key or (Dial 00# for all call page\_)
- + Wait for short beep
- + Issue page
- + Hang up

### INPUTS

- + LonWorks® network. Connects to i.LON Internet Server. Screw terminals.
- + Page input - Page input allows stationary mic with mic pre-amp to be used for MPI input - Dry contact switch input Sends all call page to OP's when closed (overrides tel input). All call off when relay is open
- + Music - Line Level Audio
- + Phone - POTS appearance line

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### PAGE

POTS line telephone input. RJ11 connector

1. 2 wire (tip and ring) analog appearance
2. Configured to be loop start
3. Battery voltage is 48 volts
4. Loop current is 23 milli amps
5. Must have DTMF signaling capability
6. Must have hang-up (winking) supervision

### STEREO/MUSIC

- + Left channel, 10k ohm input impedance, unbalanced, single ended RCA jack (phono connector)
- + Right channel, 10k ohm input impedance, unbalanced, single ended RCA jack.

Note: Left and right channels are combined to form one music input. All music inputs using the RCA jacks are single ended inputs.



### OUTPUTS

- + Cat5e data cable, RJ45 connector. Connects to OP's
- + Page output, pins 4 and 5 of RJ45 is a balanced output
- + Music output, pins 7 and 8 of RJ45 is a balanced output
- + Two ground (common) screw terminal block. Connects to (-), ground, of first OP