

# n.FORM™ OPERATING PLATFORM

MODEL G638



## FUNCTION

The n.FORM Operating Platform delivers superior intelligible messaging, doubles the number of speakers from one operating platform and has four times the number of channels, compared to the i.Net OP – creating coverage up to 6 million square feet per system.

n.FORM is built on a low voltage platform (24V - 48V) to help reduce energy consumption. The n.FORM OP monitors its own internal temperature and can report the status of individual speakers.

Each OP includes:

- Multiple sound masking sources produce a sound quality that is random, making it exceptionally comfortable.
- Independent equalizers provide unprecedented tuning where every channel of the system has a separate 1/3rd octave band equalizer or parametric equalizer.

The multi-drop system and network is intelligent enough to bypass any failure to keep communicating throughout the entire network. Point-to-Point networks can not achieve this level of connectivity and diagnostic control.

Groupings of sound sources and channels let you customize an almost limitless number of zones for masking, paging and music, while maintaining the advantages of complete networked operation and control.

## FEATURES AND CAPABILITIES

The remote control or i.LON sends information and directions up to each OP within the network for system tuning and modifications. The OP displays information on its integrated LCD screen, including the specific address of the respective enclosure. This address aids in locating the correct OP in the ceiling plenum, when checking or modifying the system. The OP checks during a diagnostic test for system performance, including the operation of the network, program, memory, power, and characteristics of sound masking.

- + Each channel on the OP functions independently, and provides eight non-coherent random sound sources per OP. Each OP exactly incoherent from all other OPs. Up to eight speakers can be programmed per channel.

## INTEGRATION OF SEPARATE PAGING AND MUSIC CHANNELS

Each channel can be digitally controlled for zone management and changed on the fly without any change in wiring

- + Main board has 8 speaker channels with RJ45 connectors
- + 6 audio inputs on the main board can be routed to any channel
- + Temperature monitoring for amplifier
- + Two separate enclosures for ceiling and rack mount
- + LED indicators for:
  - + 5V power
  - + DSP Status
  - + Neuron Activity & Service

## PRODUCT SHEET & SPECIFICATIONS

# n.FORM™ OPERATING PLATFORM

## MODEL G638

### ENCLOSURE

- + Brushed Aluminum
- + Dimensions – 12 3/8" x 8 3/8" x 3 3/8"
- + Weight – 4lbs

### SOUND GENERATOR

- + Octave bands – 25Hz to 20,000Hz
- + Parametric bands – 20Hz to 20,000Hz
- + Voltage – 24-48VDC
- + Contour Adjustments
- + Spectrum Adjustment – Meets Acoustical Preferred Curve

### OUTPUT ADJUSTMENTS

- + 1/3 octave band EQ for entire spectrum (25Hz-20KHz).  
*Meets ANSI specification for bands*
- + Parametric EQ for entire spectrum (20Hz-20KHz)
- + Volume control for individual channels, groups/zones, or global for sound masking, paging and music
- + Contour control for individual channels, groups/zones or global for sound masking
- + EQ control for individual OP's or global for paging/music
- + EQ control for individual channels, groups/zones or global for sound masking
- + Programming of groups and zones

### SPECTRUM SHAPING

- + Units are able to be shaped with a full 1/3 band octave equalizer (30 bands)
- + Units are able to be shaped with a parametric equalizer
- + Equalizers cover the full spectrum to manipulate the entire spectrum from 20Hz to 20KHz

### WIRE REQUIREMENTS

- + Power – 16 gauge, plenum rated, stranded, 2-conductor wire (for power supply to OP)
- + Audio & Data – Cat 5e cable or equivalent, 4 twisted pair, with standard RJ45 connectors
- 4 twisted pair (audio cable and speaker cable) - 4 twisted pair (data cable)

### PROGRAM MEMORY

- + Non-volatile for one year minimum, without power

### REMOTE INFRA-RED VOLUME/ CONTOUR CONTROL

- + Remote volume and contour control adjustments for masking, paging and music. Point the remote to a wall mounted, infrared receiver panel to make immediate adjustments

### PAGING EQUIPMENT

- + If paging option is required, see product sheet for Lencore's Music Page Interface 6 (MPI-6)

### AGENCY LISTINGS

- + UL 2043: Approved for use in air-handling spaces. US and Canada.
- + UL 6500 or ANSI/UL 60065: Approved for use as audio/video equipment. US and Canada.